LIBRARY OF THE
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

016.6124
En25
v.6
no.5-6



VETERINARY MEDICINE

LIBRARY OF THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

16.6124
.25
Vet Med
VETERINARY MEDICINE
LIBRARY

ENDOCRINOLOGY INDEX

DD
THE LIBRARY OF THE
JUL 26 1974
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

National Institute of Arthritis, Metabolism, and Digestive Diseases

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

SEPTEMBER-OCTOBER 1973
VOLUME 6, NO. 5

LIBRARY OF U. OF I., URBANA-CHAMPAIGN

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then use in the Author and Subject Indexes to enable the reade to identify references with ease. The complete citatio (including index terms) are found but only the fir three authors are listed. Foreign titles appear in th original language; these titles have been translate into English in the Subject Section. Following eac citation are index terms which have been assigned t describe the contents of the article. Index terms appea in capital letters; some of these are accompanied b subheadings which appear in lower case letters. Aste isks (*) identify the index terms under which article appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appea ing in the bibliography are listed, followed by citatio numbers which correspond to the numbers in the Autho Section. The Subject Index is included for the con venience of the reader who wishes to select article falling in categories of his own conception. For ex ample, one who is interested in protein binding of particular hormone could quickly find whether ther were any articles dealing with this subject by determin ing if there were any citation numbers common to th two headings "protein binding" and the name of th specific hormone.

Author Index

The names of all authors are listed, followed by citatio numbers which correspond to the numbers in the Autho Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Office
Endocrinology Index
National Institute of Arthritis and Metabolic Diseases
National Institutes of Health
Bethesda, Maryland 20014

Other individuals and libraries may receive this publication by subscribing *directly* to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes 6 bimonthly issues. Subscription price per year in the United States, Canada, and Mexico, $38.00; foreign, $9.50 additional; and $6.40 for a single copy. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

Edited by

Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

LIBRARY UL OF L. URBANA-CHAMPAIGN

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

DHEW Publication No. (NIH) 74-273

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

Table of Contents

CATEGORY 1: PITUITARY

		Page
I.	Physical and Functional Aspects	
	Pituitary Gland	1
	Pituitary Gland Function Tests*	8
	Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	8
	Pituitary Gland Irradiation	8
	Pituitary Gland, Posterior	10
II.	Disorders of the Pituitary Gland	
	Acromegaly	11
	Adenoma, Basophilic	11
	Adenoma, Chromophobe	11
	Adenoma, Eosinophilic	11
	Chiari-Frommel Syndrome	11
	Craniopharyngioma	12
	Diabetes Insipidus	13
	Dwarfism*	13
	Dwarfism, Pituitary	14
	Froehlich's Syndrome	14
	Gigantism	14
	Hyperpituitarism*	14
	Hypopituitarism*	--
	Hypothalamo-Hypophyseal System, Abnormalities and Injuries	15
	Infantilism	15
	Pituitary Diseases*	15
	Pituitary Gland, Abnormalities and Injuries	15
	Pituitary Gland, Posterior, Abnormalities and Injuries	15
	Pituitary Neoplasms*	17
	Sheehan's Syndrome	18
III.	Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
	Corticotropin (ACTH)	22
	Follicle Stimulating Hormone (FSH)	25
	Gonadotropins*	26
	Gonadotropins, Pituitary*	26
	Luteinizing Hormone (LH), (ICSH)	31
	Lipotropins	31
	Menotropins	31
	Melanocyte Stimulating Hormone (MSH)	32
	Neurophysins	

*See also more specific terms

LIBRARY U OF I. URBANA-CHAMPAIGN

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Page

Oxytocics 32
Oxytocin. 32
Phelypressin. 33
Pituitary Hormones. 33
Pituitary Hormones, Anterior* 33
Pituitary Hormones, Posterior*. 34
Prolactin 34
Somatotropin (GH) 36
Thyrotropin (TSH) 40
Vasopressin (ADH) 43
Vasotocin 45

IV. Related Topics

Cyclofenil (F-6066) . . . . . --
Hypophysectomy. 46
Lactation 46
Somatomedin (Sulfation Factor). 48

CATEGORY 2: THYROID

I. Physical and Functional Aspects

Thyroid Gland 49
Thyroid Gland Function Tests* 54
Basal Metabolism
(See SUBJECT INDEX)
Protein Bound Iodine Test
(See V. Related Topics)
Thyroidectomy 55

II. Disorders of the Thyroid Gland

Cretinism 57
Goiter* 58
Goiter, Endemic 59
Goiter, Exophthalmic. 59
Goiter, Nodular 61
Goiter, Substernal. 61
Hyperthyroidism*. 61
Hypothyroidism* 64
Myxedema. 66
Thyroid Crisis. 67
Thyroid Diseases* 67
Thyroid Gland, Abnormalities and Injuries 68
Thyroid Neoplasms 68
Thyroiditis 70
Thyroiditis, Lymphomatous 71

*See also more specific terms

Page

II. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Dextrothyroxine 73
Diiodotyrosine 73
Iodotyrosine 73
Thyrocalcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Thyroglobulin. 73
Thyroid Hormones*. 74
Thyronine. 75
Thyroxine. 75
Triiodothyronine 77

IV. Thyroid Antagonists and Inhibitors
Carbimazole. 80
Methimazole. 80
Methylthiouracil 80
Propylthiouracil 80
Thiouracil 81
Thyroid Antagonists* 81

V. Related Topics
Exophthalmos 83
Exophthalmos Producing Substance (EPS) 84
Iodides 84
Iodine 84
Iodoproteins 87
Long-Acting Thyroid Stimulator (LATS). 87
Protein-Bound Iodine Test. 87
Thyroxine-Binding Protein. 88

CATEGORY 3: ADRENAL

I. Physical and Functional Aspects
Adrenal Glands 89
Adrenalectomy. 95
Pituitary-Adrenal Function Tests 96

II. Disorders of the Adrenal Glands
Addison's Disease. 98
Adenoma, Virilizing. 98
Adrenal Cortical Rest Tumor. 98

*See also more specific terms

LIBRARY U. OF I. URBANA-CHAMPAIGN

Pa

II. Disorders of the Adrenal Glands (Continued)
Adrenal Gland Diseases* 9
Adrenal Gland Hyperfunction*. 9
Adrenal Gland Hypofunction* 9
Adrenal Gland Neoplasms*. 10
Adrenal Glands, Abnormalities and Injuries. 10
Adrenogenital Syndrome. 10
Cushing's Syndrome. 10
Hyperaldosteronism. 10
Waterhouse-Friderichsen Syndrome. 10

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
Adrenal Cortex Hormones*. 10
Aldosterone 10
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androsterone. 10
Betamethasone 10
Corticosterone. 10
Cortisone 11
Dehydroepiandrosterone. 11
Desoxycorticosterone. 11
Dexamethasone 11
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Etiocholanolone 116
Fludrocortisone 116
Flumethasone. . . . . ---
Fluocinolone Acetonide. 116
Fluorometholone 116
Fluprednisolone 116
Flurandrenolone . . . . . ---
Glucocorticoids*. 116
Hydrocortisone. 118
Hydrocortisone, Topical 122
17-Hydroxycorticosteroids 123
Hydroxycorticosteroids. 123
Hydroxypregnenolone (See CATEGORY 4: GONADS)
Hydroxyprogesterone (See CATEGORY 4: GONADS)
17-Ketosteroids 124
Ketosteroids. 125

*See also more specific terms

Page

II. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Methylprednisolone 126
Mineralocorticoids* 126
Paramethasone . . . . . ---
Prednisolone 126
Prednisolone, Topical 128
Prednisone 128
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol 130
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Triamcinolone 131
Triamcinolone Acetonide 131

IV. Related Topics 132
Aminoglutethimide 132
DDD 132
Metyrapone 133
Pituitary-Adrenal System 133
Renin 135
Spironolactone 136
Transcortin 136

V. Adrenal Medulla 137
Adrenal Medulla 138
Adrenochrome 138
Catecholamines* 139
Chromaffin System 139
Dopa 139
Dopamine 139
Epinephrine . . . . . ---
Hydroxydopamine 140
Isoproterenol 140
Methyldopa 140
Norepinephrine 141
Normetanephrine 141
Pheochromocytoma 142
Vanilmandelic Adic 142

*See also more specific terms

LIBRARY U. OF I., URBANA-CHAMPAIGN

CATEGORY 4: GONADS

Page

I. Physical and Functional Aspects
- Gonads* . . . 144
  - Ovary
    - Corpus Luteum . . . 146
    - Graafian Follicle . . . 147
    - Ovary*. . . . 148
  - Testis
    - Leydig Cells. . . . 153
    - Sertoli Cells . . . 153
    - Testis* . . . 154

II. Disorders of the Gonads
- Arrhenoblastoma . . . 160
- Bonnevie-Ullrich Syndrome . . . 160
- Brenner Tumor . . . 160
- Corpus Luteum, Abnormalities and Injuries . . . ---
- Corpus Luteum Cyst. . . . 160
- Cryptorchism. . . . 160
- Disgerminoma. . . . 161
- Eunuchism . . . 161
- Gonads, Abnormalities and Injuries. . . . 161
- Graafian Follicle, Abnormalities and Injuries . . . ---
- Granulosa Cell Tumor. . . . 161
- Gynandroblastoma. . . . ---
- Hermaphroditism . . . 161
- Hypogonadism* . . . 162
- Infantilism (See CATEGORY 1: PITUITARY)
- Klinefelter's Syndrome. . . . 162
- Leydig Cells, Abnormalities and Injuries. . . . ---
- Leydig Cell Tumor . . . 163
- Meig's Syndrome . . . ---
- Ovarian Cysts . . . 163
- Ovarian Diseases* . . . 163
- Ovarian Neoplasms*. . . . 164
- Ovary, Abnormalities and Injuries . . . 166
- Pseudohermaphroditism . . . 166
- Puberty, Precocious . . . 166
- Sertoli Cell Tumor. . . . 167
- Sertoli Cells, Abnormalities and Injuries . . . ---
- Sex Chromosome Abnormalities. . . . 167

*See also more specific terms

Page

II. Disorders of the Gonads (Continued)
Sex Differentiation Disorders 167
Stein-Leventhal Syndrome. 168
Struma Ovarii . . . . . ---
Testicular Diseases*. 168
Testicular Feminization 168
Testicular Neoplasms* 169
Testis, Abnormalities and Injuries. 170
Theca Cell Tumor. 170
Turner's Syndrome 170

II. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs
Anabolic Steroids*. 172
Androgens*. 172
Androstanes*. 174
Androstenes*. 175
Androstenol . . . . . ---
Androsterone (See CATEGORY 3: ANDRENAL)
Chlormadinone 175
Chlorotrianisene. 176
Clomiphene. 176
Contraceptives, Oral* 176
Contraceptives, Postcoital. 179
Corpus Luteum Hormones. 179
Cronolone . . . . . ---
Cyproterone 179
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol. 179
Dihydroxyprogesterone . . . . . ---
Dimethisterone. . . . . ---
Dromostanolone. . . . . ---
Dydrogesterone. . . . . ---
Estradiol 180
Estranes. 184
Estriol 184
Estrogenic Substances, Conjugated 185
Estrogens*. 185
Estrone 188
Ethinyl Estradiol 190
Ethisterone 190
Ethylestrenol 190

*See also more specific terms

LIBRARY U. OF I., URBANA-CHAMPAIGN

Page

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Ethynodiol Diacetate. 19
Etiocholanolone (See CATEGORY 3: ADRENAL)
Fertility Agents. . . . . ---
Fluorometholone 19
Fluoxymesterone 19
Gonanes*. . . . . ---
Hexestrol 19
Hydroxymethyltestosterone 19
Hydroxypregnenolone 19
Hydroxyprogesterone 19
17-Ketosteroids (See CATEGORY 3: ADRENAL)
Lynestrenol 19
Medroxyprogesterone 19
Megestrol 19
Menotropins (See CATEGORY 3: ADRENAL)
Mestranol 19
Methandrostenolone. 19
Methenolone 19
Methyltestosterone. . . . . ---
Nandrolone. 19
Norethandrolone 19
Norethindrone 19
Norethynodrel 19
Norgestrel. 19
Normethandrolone. 19
Oxandrolone . . . . . ---
Oxymetholone. 19
Pregnanediol. 19
Pregnanes*. 19
Pregnanetriol (See CATEGORY 3: ADRENAL)
Pregnenes*. 19
Pregnenolone. 19
Progestational Hormones 19
Progesterone. 19
Relaxin . . . . . ---
Sex Hormones* 20
Stanolone 20
Stanozolol. 20
Testolactone. 20
Testosterone. 20

*See also more specific terms

Page

V. Related Topics
Castration 207
Estrus 207
Feminization 208
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 208
Puberty 208
Sex Chromatin 209
Sex Chromosomes 210
Sex Determination 211
Sex Reversal, Gonadal 211

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects 212

II. Disorders of the Placenta
Chorioadenoma . . . . . ---
Choriocarcinoma 214
Hydatidiform Mole 214
Placenta, Abnormalities and Injuries 215
Placenta Disorders 215
Trophoblastic Tumor 215

II. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
Gonadotropins, Chorionic 217
Gonadotropins, Equine 219
Placental Extracts 219
Placental Hormones* . . . . . ---
Placental Lactogen 219
Somatomammotropin 220

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects 221

II. Disorders of the Parathyroid Glands
Hyperparathyroidism 223
Hyperparathyroidism, Secondary 224
Hypoparathyroidism 225
Parathyroid Diseases* 226
Parathyroid Glands, Abnormalities and Injuries 226
Parathyroid Neoplasms 226

*See also more specific terms

LIBRARY UL OF L. URBANA-CHAMPAIGN

Page

III. Parathyroid Hormone. 228

IV. Bone Metabolism and Related Topics
Bone and Bones. 230
Calcification, Physiologic. 233
Calcium Metabolism. 234
Cholecalciferol 236
Dihydrotachysterol. 237
Ergocalciferol. 237
Ergosterol. . . . . ---
Hydroxycholecalciferol. 237
Hypercalemia. 238
Osteogenesis Imperfecta 239
Osteomalacia. 239
Osteopetrosis 240
Osteoporosis. 241
Pseudohypoparathyroidism. 242
Pseudopseudohypoparathyroidism. 242
Renal Osteodystrophy. 242
Rickets 243
Rickets, Vitamin D Resistant. 244
Tetany. 244
Thyrocalcitonin (Calcitonin). 244
Vitamin A 246
Vitamin D 246
Vitamin D Deficiency. 247

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
Amygdaloid Body 248
Hypothalamo-Hypophyseal System. 249
Hypothalamus. 250
Neurosecretory Systems. 257
Pineal Body 258

II. Disorders of the Amygdaloid Body
Amygdaloid Body, Abnormalities and Injuries . . . . . ---
Hypothalamus, Abnormalities and Injuries. . . . . ---
Pineal Body, Abnormalities and Injuries . . . . . ---
Pinealoma 260

Page

Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Factor (CRF) 261
Melatonin 261
Pituitary Hormone Releasing Factors * 261
Thyrotropin Releasing Factor (TRF) 263

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic 3', 5' Monophosphate 266
Guanosine Cyclic 3', 5' Monophosphate 271

CATEGORY 9: APPENDIX

Adenyl Cyclase 273
Guanyl Cyclase 274
Hormones, Ectopic 274
Neoplastic Endocrine-like Syndromes 275
Nerve Growth Factor 275
Prostaglandins 275
Receptors, Hormone 279
Toxohormones 280

EVIEW SECTION 281

ETHOD SECTION 285

UTHOR SECTION A-1

UBJECT INDEX A-353

UTHOR INDEX A-395

*See also more specific terms

LIBRARY U. OF I., URBANA-CHAMPAIGN

PITUITARY

I. Physical and Functional Aspects

PITUITARY GLAND

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)

Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. **Biol Reprod** 8:515-22, Jun 73

Induction of spermiation in anurans by mammalian pituitary gonadotropins and their subunits. Licht P.
Gen Comp Endocrinol 20:522-9, Jun 73

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al.
C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 **(Fre)**

[Evaluation of hormonal activity in culture of thyroid explants of Gobius niger L] Bonnin JP, et al.
C R Soc Biol (Paris) 166:347-50, 9 Nov 72 **(Fre)**

ABNORMALITIES

An instance of abnormal disposition of pituitary components in the teleost Puntius sophore (Ham.). Haider S, et al. **Anat Anz** 133:68-72, 1973

Primary pituitary dysgenesis. Willard D.
Pediatrics 57:586, Mar 73

ANALYSIS

Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. **Biol Reprod** 8:515-22, Jun 73

Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Lloyd RV, et al.
Endocrinology 92:1639-51, Jun 73

Gonadal function and the biological and physicochemical properties of follicle stimulating hormone. Peckham WD, et al.
Endocrinology 92:1660-6, Jun 73

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al.
Endocrinology 92:1652-9, Jun 73

Thyrotropin--a lipolytic hormone? Stevenson PM, et al.
Eur J Biochem 35:318-25, Jun 73

Effect of light and darkness on the hypothalamo-neurohypophyseal system of the garden lizard, Calotes versicolor. Banerjee SK.
Experientia 29:713-4, 15 Jun 73

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73

Pituitary prolactin levels in larval, neotenic and metamorphosed salamanders (Ambystomia tigrinum). Norris DO, et al.
Gen Comp Endocrinol 20:427-42, Jun 73

Demonstration by immunofluorescence of the lipotropic hormone-LPH in bovine, ovine and procine adenohypophysis. Dubois MP, et al.
Horm Metab Res 5:229, May 73

Antifertility activity of an indigenous plant preparation (ROC-101). II. Effect on the male reproductive system. Hunshi SR, et al.
Indian J Med Res 60:1213-9, Aug 72

Sexual dimorphism in the primary immune response of the Syrian hamster. Blazkovec AA, et al.
Int Arch Allergy Appl Immunol 44:274-93, 1973

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 22:1756-69, Jul 73

The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins. Baker BI. **J Endocrinol** 57:393-404, Jun 73

Lability of human pituitary follicle-stimulating hormone to mild acid treatment. Kennedy JF, et al.
J Endocrinol 57:501-7, Jun 73

Prolactin content of canine pituitary gland. Saluja PG, et al. **J Endocrinol** 57:495-500, Jun 73

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. **J Endocrinol** 57:431-6, Jun 73

Porlactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al.
J Endocrinol 57:425-9, Jun 73

Sound-withdrawal hypertension in rats--a new form of experimental hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:42-8, Jan 73

The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al.
J Reprod Fertil 33:441-50, Jun 73

Polyprenols of beef and human pituitary glands. Carroll KK, et al. **Lipids** 8:246-8, May 73

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al.
Physiol Behav 10:369-72, Feb 73

Role of selenium in neural physiology of avian species. 2. The distribution of 75 Se from injected selenomethionine- 75 Se in the tissues and its fate in livers of chickens. Vohra P, et al.
Poult Sci 52:644-7, Mar 73

Amount of fibrin in different organs after intravenous, intraportal and intraaortal injection of thrombin in the rat. Busch C, et al.
Thromb Diath Haemorrh 29:87-93, 28 Feb 73

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN.
Probl Endokrinol (Mosk) 19:54-7, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al.
Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

ANATOMY & HISTOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73

Changes in the uptake of tritiated estradiol in the

LIBRARY U. OF I., URBANA-CHAMPAIGN

hypothalamus and adenohypophysis of old female rats. Peng MT, et al. **Fertil Steril 24:534-9, Jul 73**

An evaluation of the criterion "organ weight" under conditions of growth retardation. Feron VJ, et al. **Food Cosmet Toxicol 11:85-94, Feb 73**

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol 20:490-7, Jun 73**

Antifertility activity of an indigenous plant preparation (ROC-101). I. Effect on reproduction. Munshi SR, et al. **Indian J Med Res 60:1054-60, Jul 72**

Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. **J Anim Sci 36:1164-9, Jun 73**

In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al. **J Nutr 103:1012-7, Jul 73**

BLOOD SUPPLY

The trans-sphenoidal vascular route in relation to the human pharyngeal hypophysis. McGrath P. **J Anat 113:383-90, Dec 72**

[Changes in the pituitary gland in death by hanging] László H, et al. **Morphol Igazsagugyi Orv Sz 13:137-41, Apr 73 (Eng. Abstr.) (Hun)**

Pituitary necrosis in diabetes mellitus. Kovács K. **Acta Diabetol Lat 9:958-71, Nov-Dec 72 (Eng. Abstr.) (Mul)**

CYTOLOGY

Cyclic changes in the pituitary gland of Glyptothorax pectinopterus (McClelland) in correlation with its male reproductive cycle. Pant MC, et al. **Anat Anz 133:51-8, 1973**

Hypothalamic neurosecretory system of the teleost Puntius sophore (Ham.). Sathyanesan AG, et al. **Anat Anz 133:59-67, 1973**

Identification of the cells in the adenohypophysis of the puffer, Fugu niphobles (Jordan et Snyder). Chiba A, et al. **Arch Histol Jap 35:195-208, Mar 73**

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al. **Clin Endocrinol (Oxf) 1:293-314, Jul 72**

Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Lloyd RV, et al. **Endocrinology 92:1639-51, Jun 73**

Effect of light and darkness on the hypothalamo-neurohypophyseal system of the garden lizard, Calotes versicolor. Banerjee SK. **Experientia 29:713-4, 15 Jun 73**

Dispersed cell culture of bovine pars intermedia. Piezzi RS. **Experientia 29:697-8, 15 Jun 73**

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia 29:695-6, 15 Jun 73**

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol 20:490-7, Jun 73**

Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al. **Horm Metab Res 5:62, Jan 73**

Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis. Phifer RF, et al. **J Clin Endocrinol Metab 36:1210-21, Jun 73**

The prolactin cell of the white-crowned sparrow, Zonotrichia leucophrys pugetensis. Mikami S, et al. **Z Zellforsch Mikrosk Anat 138:455-74, 1973**

Cytodifferentiation of the adenohypophysis of the domestic fowl. Mikami S, et al. **Z Zellforsch Mikrosk Anat 138:299-314, 17 Apr 73**

[Detection of lipotropin-synthesizing cells by the fluorescent antibody technic] Dessy C, et al. **C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73 (Fre)**

[Polarized exocytosis of lysosomal residues of prolactin-producing cells in adenohypophysis of postlactating rats] Vila-Porcile E, et al. **C R Acad Sci [D] (Paris) 276:355-7, 15 Jan 73 (Fre)**

[Number and topographic distribution of mitoses in perfusion fixed anterior pituitary gland in rats] Nouët JC, et al. **C R Soc Biol (Paris) 166:1245-9, 1972 (Fre)**

[Demonstration of cortisotropic cells in the pituitary gland of the green frog, Rana esculenta L., by the immunofluorescent technic] Vaudry H, et al. **C R Soc Biol (Paris) 166:1362-5, 1972 (Fre)**

[Ultrastructural study of anterior pituitary secretion] Pelletier G. **Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)**

[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al. **Acta Med Okayama 26:89-97, Aug 72 (Ger)**

[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al. **Histochemie 33:121-7, 1973 (Eng. Abstr.) (Ger)**

DRUG EFFECTS

Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy 31:337-43, Jul 73**

THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al. **Arch Gen Psychiatry 29:28-32, Jul 73**

Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al. **Australas Radiol 22:1718-21, Oct 72**

CRF-stimulated biosynthesis of ACTH in a cell-free system from rat anterior pituitaries. Ishikawa H, et al. **Biochem Biophys Res Commun 52:884-9, 8 Jun 73**

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al. **Biochem Biophys Res Commun 52:786-91, 8 Jun 73**

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al. **Biochem Biophys Res Commun 52:1314-9, 19 Jun 73**

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al. **Biochem Pharmacol 22:1241-5, 15 May 73**

Pituitary-adrenal function after prolonged use of topical corticosteroids. Munro DD, et al. **Br J Dermatol 88:381-5, Apr 73**

Translational control of protein synthesis in rat anterior pituitary by N 6 -2'-O-dibutyryl adenosine 3',5'-monophosphate. Boucher R, et al. **Can J Biochem 51:913-9, Jun 73**

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf) 1:127-40, Apr 72**

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf) 1:91-7, Jan 72**

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf) 1:173-80, Apr 72**

The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Kiesch WL, et al. **Comp Biochem Physiol [A] 45:961-7, 1 Aug 73**

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al. **Endocrinology 92:1714-24, Jun 73**

Preparation and properties of 125-I-LHRH. Miyachi Y, et al. **Endocrinology 92:1725-30, Jun 73**

Thyromimetic activity of 3,5,3',5'-tetramethylthyronine. Pittman JA, et al. **Endocrinology 93:201-4, Jul 73**

TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al. **Endocrinology 93:26-33, Jul 73**

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia 29:695-6, 15 Jun 73**

In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages. Spona J, et al. **FEBS Lett 32:52-4, 15 May 73**

In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. **FEBS Lett 32:49-51, 15 May 73**

Organosiloxanes and reproduction. **Food Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)**

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. **Horm Metab Res 5:29-33, Jan 73**

Blockade of serotonin induced GH secretion in rats by melatonin and cyproheptadine. Smythe GA, et al. **Horm Metab Res 5:227, May 73**

L-dopa suppression of TRH-stimulated prolactin

release in man. Noel GL, et al.
J Clin Endocrinol Metab 36:1255-8, Jun 73
Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73
Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al.
J Med Chem 16:369-73, Apr 73
Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al.
J Med Chem 16:545-9, May 73
Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73
Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)
Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al.
J Physiol (Lond) 231:32P-34P, May 73
The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al.
J Reprod Fertil 33:441-50, Jun 73
Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al.
Metabolism 22:859-65, Jul 73
Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73
Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al.
Neuroendocrinology 10:309-15, 1972
Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al.
Neuroendocrinology 12:98-109, 1973
Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE.
Neuroendocrinology 10:273-81, 1972
Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al.
Neuroendocrinology 12:17-29, 1973
Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. **Neuroendocrinology** 10:261-72, 1972
Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73
Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone. Burgus R, et al.
Proc Natl Acad Sci USA 70:684-8, Mar 73
Use of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al.
Proc R Soc Med 66:187, Feb 73
Pharmacology of the central nervous system. Shellenberger MK, et al.
Prog Neurol Psychiatry 27:67-86, 1972 (171 ref.)
Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73
Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. **Science** 179:484-6, 2 Feb 73
Thyroidectomy cells and their response to thyrotrophin releasing hormone (TRH) in the rat. Shiino M, et al.
Z Zellforsch Mikrosk Anat 138:327-32, 17 Apr 73
[Effects of synthetic TRH in normal subjects] Jaquet P, et al.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Liberation of TSH by the anterior pituitary gland of the rat under the influence of diethylamino-2-ethyl diphenylacetate] Mornex R, et al.
C R Acad Sci [D] (Paris) 276:2289-92, 9 Apr 73 (Fre)
[Effect of L-Dopa on the secretion of prolactin in eels] Olivereau M, et al.
C R Acad Sci [D] (Paris) 276:1325-7, 19 Feb 73 (Fre)
[Reduction of neurohypophyseal secretion by cobalt, manganese and D600] Nordmann JJ, et al.
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)
[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)
[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al.
Acta Med Okayama 26:89-97, Aug 72 (Ger)
[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)
[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al.
Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA.
J Embryol Exp Morphol 29:431-7, Apr 73
Cytodifferentiation of the adenohypophysis of the domestic fowl. Mikami S, et al.
Z Zellforsch Mikrosk Anat 138:299-314, 17 Apr 73
[Hypophyseal-ovarian relations in the chick embryo] Maraud R, et al.
C R Soc Biol (Paris) 166:350-3, 9 Nov 72 (Fre)

ENZYMOLOGY

Evidence for a methylated protein intermediate in pituitary methanol formation. Morin AM, et al.
Biochem Biophys Res Commun 52:373-8, 15 May 73
Characteristics of the nuclear RNA polymerase from rat anterior pituitary tissue. Augustine EC, et al.
Endocrinology 92:1790-4, Jun 73
Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73
The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. McWhinnie DJ, et al.
J Embryol Exp Morphol 29:515-27, Jun 73
[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al.
C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 (Fre)
[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)

GROWTH & DEVELOPMENT

Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Hoffmann JC. **Biol Reprod** 8:473-80, May 73
In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages. Spona J, et al.
FEBS Lett 32:52-4, 15 May 73
In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. **FEBS Lett** 32:49-51, 15 May 73

IMMUNOLOGY

Pulmonary hypersensitivity diseases. Schlueter DP.
Adv Intern Med 18:153-75, 1972 (100 ref.)
Effects of reproductive tissue-specific antisera on rabbit eggs. Sacco AG, et al.
Biol Reprod 8:481-90, May 73
Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis. Phifer RF, et al.
J Clin Endocrinol Metab 36:1210-21, Jun 73
[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al.
C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

INNERVATION

[Selective incorporation of GABA H3 into the neurohypophysis of the teleostean fish Gasterosteus aculeatus L. Autoradiographic study] Follénius E. **C R Acad Sci [D] (Paris)** 275:1435-8, 25 Sep 72 **(Fre)**

METABOLISM

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al. **Acta Physiol Acad Sci Hung** 42:61-5, 1972

Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al. **Australas Radiol** 22:1718-21, Oct 72

CRF-stimulated biosynthesis of ACTH in a cell-free system from rat anterior pituitaries. Ishikawa H, et al. **Biochem Biophys Res Commun** 52:884-9, 8 Jun 73

Evidence for a methylated protein intermediate in pituitary methanol formation. Morin AM, et al. **Biochem Biophys Res Commun** 52:373-8, 15 May 73

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al. **Biochim Biophys Acta** 297:540-8, 28 Feb 73

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. **Biol Reprod** 8:395-9, May 73

Translational control of protein synthesis in rat anterior pituitary by N 6 -2'-O-dibutyryl adenosine 3',5'-monophosphate. Boucher R, et al. **Can J Biochem** 51:913-9, Jun 73

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. **Endocrinol Exp (Bratisl)** 7:19-36, 1973 (98 ref.)

Characteristics of the nuclear RNA polymerase from rat anterior pituitary tissue. Augustine EC, et al. **Endocrinology** 92:1790-4, Jun 73

Incorporation of orthophosphate 32Pi into the phospholipids of slices of gonads, anterior pituitary and liver of calf. Basinska J, et al. **Endocrinology** 92:1786-9, Jun 73

Characteristics of the pituitary binding sites for thyrotropin releasing factor. Grant G, et al. **Endocrinology** 92:1629-33, Jun 73

Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Lloyd RV, et al. **Endocrinology** 92:1639-51, Jun 73

Preparation and properties of 125-I-LHRH. Miyachi Y, et al. **Endocrinology** 92:1725-30, Jun 73

Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. O'Reilly PJ, et al. **Endocrinology** 92:1575-8, Jun 73

Pituitary and serum growth hormone during undernutrition and catch-up growth in young rats. Sinha YN, et al. **Endocrinology** 92:1768-71, Jun 73

Large growth hormone: evidence for the association of growth hormone with another protein moiety in the rat pituitary. Stachura ME, et al. **Endocrinology** 92:1708-13, Jun 73

The distribution and exchange of brain calcium in vivo in the rat. Faragalla FF. **Exp Brain Res** 17:206-15, 30 Apr 73

Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells. Dencker L, et al. **Experientia** 29:719-22, 15 Jun 73

Dispersed cell culture of bovine pars intermedia. Piezzi RS. **Experientia** 29:697-8, 15 Jun 73

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia** 29:695-6, 15 Jun 73

In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. **FEBS Lett** 32:49-51, 15 May 73

Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Peng MT, et al. **Fertil Steril** 24:534-9, Jul 73

Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al. **Horm Metab Res** 5:62, Jan 73

Metabolism of 125 I-luteinizing hormone-releasing hormone. Miyachi Y, et al. **J Clin Endocrinol Metab** 37:63-7, Jul 73

The influence of "hypophysectomy" by means of surgical decapitation on skeletal growth in the developing chick embryo. Thommes RC, et al. **J Embryol Exp Morphol** 29:503-13, Jun 73

Steroid hormones and their receptors. Thomas PJ. **J Endocrinol** 57:333-59, May 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. **J Med Chem** 16:373-7, Apr 73

In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al. **J Nutr** 103:1012-7, Jul 73

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al. **J Pharm Sci** 62:699-715, May 73 (200 ref.)

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet** 1:854-7, 21 Apr 73

Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. **Life Sci [II]** 12:513-9, 8 Jun 73

Brain cholesterol. XVI. Incorporation of different precursors into baboon tissue sterol. Kabara JJ. **Lipids** 8:56-60, Feb 73

Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al. **Metabolism** 22:859-65, Jul 73

Neurophysin binding of vasopressin analogues altered at the NH 2 - and COOH-terminal positions. Kluh I, et al. **Mol Pharmacol** 9:414-20, May 73

Evidence for possible precursors in the synthesis of growth hormone by rat and human fetal anterior pituitary in vitro. Frohman LA, et al. **Mt Sinai J Med NY** 40:414-21, May-Jun 73

MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Carrillo AJ, et al. **Neuroendocrinology** 12:120-8, 1973

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med** 143:460-4, Jun 73

Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al. **Tohoku J Exp Med** 108:199-206, Nov 72

[Selective incorporation of GABA H3 into the neurohypophysis of the teleostean fish Gasterosteus aculeatus L. Autoradiographic study] Follénius E. **C R Acad Sci [D] (Paris)** 275:1435-8, 25 Sep 72 **(Fre)**

[Hypophyseal thyreostimulin and thyroid iodinated amino acids as a function of lighting in adult rabbits] Dale A, et al. **C R Soc Biol (Paris)** 166:1296-301, 1972 **(Fre)**

[35 SO 4 Na 2 incorporation in thyreotropic cells after thyroidectomy in mice] Deminatti M. **C R Soc Biol (Paris)** 166:1316-8, 1972 **(Fre)**

[Biochemical study of radioactive sulfate compounds in the antehypophysis of the cyprinid (Carassius auratus L.) after 35 SO 4 Na 2 injection] Deminatti M, et al. **C R Soc Biol (Paris)** 166:1319-23, 1972 **(Fre)**

[Ultrastructural study of anterior pituitary secretion] Pelletier G. **Union Med Can** 102:546-50, Mar 73 (Eng. Abstr.) **(Fre)**

[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al. **Histochemie** 33:121-7, 1973 (Eng. Abstr.) **(Ger)**

[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al. **Klin Wochenschr** 51:412-4, 15 Apr 73 (Eng. Abstr.) **(Ger)**

[Study of the bone system with Ga67] Mechev DS, et al. **Med Radiol (Mosk)** 18:8-12, Mar 73 **(Rus)**

PATHOLOGY

Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al. **Acta Radiol [Ther] (Stockh)** 11:545-55, Dec 72

Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Nakayama I, et al. **Am J Pathol** 71:279-94, May 73

Peripituitary gland involvement in acute leukemia in adults. Masse SR, et al. **Arch Pathol** 96:141-2, Aug 73

Histology and ultrastructure of an oncocytic adenoma of the human pituitary. Landolt AM, et al. **Cancer** 31:1099-105, May 73

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al. **Endocrinology** 93:1-11, Jul 73

Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis.

Phifer RF, et al.
J Clin Endocrinol Metab 36:1210-21, Jun 73
Regeneration of the human pituitary. Landolt AM.
J Neurosurg 39:35-41, Jul 73
Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al.
S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)
Thyroidectomy cells and their response to thyrotrophin releasing hormone (TRH) in the rat. Shiino M, et al.
Z Zellforsch Mikrosk Anat 138:327-32, 17 Apr 73
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al.
Ann Endocrinol (Paris) 33:353-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Changes in the pituitary gland in death by hanging] László H, et al.
Morphol Igazsagugyi Orv Sz 13:137-41, Apr 73 (Eng. Abstr.) (Hun)
[Ultrastructure of the anterior lobe of the hypophysis in hypothermia] Konstantinov MV, et al.
Patol Fiziol Eksp Ter 17:32-40, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al.
Acta Physiol Acad Sci Hung 42:61-5, 1972
Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al.
Am J Physiol 225:1-6, Jul 73
Cyclic changes in the pituitary gland of Glyptothorax pectinopterus (McClelland) in correlation with its male reproductive cycle. Pant MC, et al.
Anat Anz 133:51-8, 1973
Modification by bovine growth hormone of liver plasma membrane enzymes, phospholipids, and circular dichroism. Rubin MS, et al.
Arch Biochem Biophys 157:243-51, Jul 73
Alteration of liver plasma membrane protein conformation by bovine growth hormone in vitro. Rubin MS, et al.
Arch Biochem Biophys 157:252-9, Jul 73
Endocrine control of fetal lung development in the rabbit. Chiswick ML, et al.
Arch Dis Child 48:327, Apr 73
The effect of hypophysectomy on testicular hydrolases, lactate dehydrogenase, and spermatogenesis in the rat. Elkington JS, et al.
Aust J Biol Sci 26:491-503, Apr 73
Cyclical wheel-running behavior in pregnant rats. Chiszar D, et al. **Behav Biol** 8:399-405, Mar 73
Site of intestinal absorption of ascorbic acid in guinea pigs and rats. Hornig D, et al.
Biochem Biophys Res Commun 52:168-72, 1 May 73
Comparative rates of protein synthesis of rat kidney medulla and cortex in vitro. Kline ES, et al.
Biochem Biophys Res Commun 52:1271-7, 19 Jun 73
Interaction of liver plasma membranes and GTP with GTP hydrolysis. Swislocki NI, et al.
Biochem Biophys Res Commun 52:313-9, 1 May 73
Kinetics of uptake and subcellular distribution of human growth hormone in liver slices. Rezvani I, et al.
Biochem Med 7:432-40, Jun 73
Control of adrenal medullary protein synthesis by corticosteroids. Baliga BS, et al.
Biochim Biophys Acta 299:337-43, 19 Mar 73
Effect of thioamide derivatives on induction of ornithine decarboxylase in rat liver. Ono M, et al.
Biochim Biophys Acta 304:495-504, 28 Apr 73
Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al.
Biochim Biophys Acta 297:527-39, 28 Feb 73
The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. **Br J Exp Pathol** 54:306-11, Jun 73
Stimulation of brain serotonin turnover by paradoxical sleep deprivation in intact and hypophysectomized rats. Cramer H, et al. **Brain Res** 54:372-5, 17 May 73
Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72
The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al.
Comp Biochem Physiol [A] 44:825-9, 1 Feb 73
Effects of hypophysectomy, pituitary autografts, prolactin, temperature and salinity of the medium on survival and natremia in the bullhead, Ictalurus melas. Chidambaram S, et al.
Comp Biochem Physiol [A] 43:443-57, 1 Oct 72
Studies on the possible regulation of plasma sodium by prolactin in amphibia. Crim JW.
Comp Biochem Physiol [A] 43:349-57, 1 Oct 72
Hyperlipemia and atherosclerosis: a preliminary note on the mechanism of action. Gass GH, et al.
Comp Biochem Physiol [A] 45:25-30, 1 May 73
The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Kiesch WL, et al.
Comp Biochem Physiol [A] 45:961-7, 1 Aug 73
The effect of prolactin on water influx in isolated gills of the goldfish, Carassius auratus L. Ogawa M, et al.
Comp Biochem Physiol [A] 44:1177-83, 1 Apr 73
Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
Hypophysis and function of pancreatic islets. II. The effect of substitution with growth hormone and corticotrophin on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of hypophysectomized rats. Schatz H, et al.
Diabetologia 9:140-4, Apr 73
Hypophysis and function of pancreatic islets. I. The influence of hypophysectomy on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of rats. Schatz H, et al.
Diabetologia 9:135-9, Apr 73
Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al.
Endocrinol Exp (Bratisl) 7:85-8, 1973
Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)
Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. **Endocrinology** 93:188-92, Jul 73
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al.
Endocrinology 93:1-11, Jul 73
Elevation of plasma prolactin after hypophysial stalk section in the rat. Kanematsu S, et al.
Endocrinology 93:238-41, Jul 73
Effects of serotonin precursors and melatonin on serum prolactin release in rats. Lu KH, et al.
Endocrinology 93:152-5, Jul 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W.
Ergeb Physiol 67:69-168, 1972 (344 ref.)
Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al.
Exp Eye Res 16:61-8, Jun 73
Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance. Peña C, et al. **FEBS Lett** 27:338-40, 1 Nov 72
Prolactin and osmoregulation in fishes. Ensor DM, et al.
Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)
Organosiloxanes and reproduction.
Food Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)
Effects of pharmacological agents on the in vivo release of melanophore-stimulating hormone in the dogfish, Scyliorhinus canicula. Wilson JF, et al.
Gen Comp Endocrinol 20:556-66, Jun 73
A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding. Bieler EU, et al. **Horm Metab Res** 5:231, May 73
Influence of calcium and somatotropin on D-xylose uptake by the isolated diaphragm of hypophysectomized rats. Buneaux JJ, et al.
Horm Metab Res 5:113-8, Mar 73

LIBRARY U. OF I. URBANA-CHAMPAIGN

Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Kostyo JL, et al. **Horm Metab Res** 5:167-72, May 73

The role played by adrenal hormones in the increase of liver tyrosine aminotransferase activity of rats subjected to trauma. Németh S, et al. **Horm Metab Res** 5:204-7, May 73

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. **Horm Metab Res** 5:29-33, Jan 73

Effect of hypophysectomy and cyproterone acetate on the liver ultrastructure as well as on hexobarbital anesthesia and zoxazolamine paralysis in rats. Szabo S, et al. **Horm Metab Res** 5:109-13, Mar 73

Effects of hypophysectomy on lactate metabolism in the perfused rat liver. Jefferson LS, et al. **J Biol Chem** 248:4561-7, 10 Jul 73

Effect of growth hormone on mitochondrial protein synthesis. Maddaiah VT, et al. **J Biol Chem** 248:4263-8, 25 Jun 73

Effects of hypophysectomy on amino acid metabolism and gluconeogenesis in the perfused rat liver. Tolman EL, et al. **J Biol Chem** 248:4552-60, 10 Jul 73

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al. **J Comp Physiol Psychol** 83:168-72, Apr 73

The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. McWhinnie DJ, et al. **J Embryol Exp Morphol** 29:515-27, Jun 73

The milk-ejection reflex of the rat: a 20- to 40-fold acceleration in the firing of paraventricular neurones during oxytocin release. Wakerley JB, et al. **J Endocrinol** 57:477-93, Jun 73

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al. **J Pharm Sci** 62:699-715, May 73 (200 ref.)

Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al. **J Pharmacol Exp Ther** 185:667-75, Jun 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem** 4:217-26, Mar 73

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al. **Metabolism** 22:769-72, Jun 73

Observations on the control and release of growth hormone in plasma. Kato Y, et al. **Mt Sinai J Med NY** 40:382-401, May-Jun 73 (101 ref.)

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al. **Mt Sinai J Med NY** 40:502-10, May-Jun 73

Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Feldman S, et al. **Neuroendocrinology** 10:316-23, 1972

Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone. Bronson FH. **Physiol Behav** 10:947-51, May 73

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav** 10:345-50, Feb 73

General activity in intact and hypophysectomized rats after administration of melanocyte-stimulating hormone (MSH), melatonin, and PRO-LEU-GLY-NH 2 . Kastin AJ, et al. **Physiol Behav** 10:399-401, Feb 73

Physiological and behavioral effects of prior aversive stimulation (preshock) in the rat. Levine S, et al. **Physiol Behav** 10:467-71, Mar 73

Stability of intracranial self-stimulation following hypophysectomy. Phillips AG, et al. **Physiol Behav** 10:351-3, Feb 73

The effects of drugs which modify catecholamine synthesis on serum prolactin in rats with median eminence lesions. Donoso AO, et al. **Proc Soc Exp Biol Med** 143:360-3, Jun 73

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al. **Schweiz Med Wochenschr** 103:847-8, 9 Jun 73

The hormones of the hypothalamus. Guillemin R, et al. **Sci Am** 227:24-33, Nov 72

Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. **Science** 179:484-6, 2 Feb 73

Pituitary ablation in the treatment of diabetic retinopathy. (A randomized trial). Kohner EM, et al. **Trans Ophthalmol Soc UK** 92:79-90, 1972

The pars distalis of the pituitary as a source of liver growth stimulating factors during liver regeneration. Badran AF, et al. **Virchows Arch [Zellpathol]** 13:79-85, 15 May 73

[Estrogen biosynthesis in ovary of hypophysectomized chick embryos: quantitative aspect] Akram H, et al. **C R Acad Sci [D] (Paris)** 276:359-61, 15 Jan 73 **(Fre)**

[Polarized exocytosis of lysosomal residues of prolactin-producing cells in adenohypophysis of postlactating rats] Vila-Porcile E, et al. **C R Acad Sci [D] (Paris)** 276:355-7, 15 Jan 73 **(Fre)**

[Hypophyseal-ovarian relations in the chick embryo] Maraud R, et al. **C R Soc Biol (Paris)** 166:350-3, 9 Nov 72 **(Fre)**

[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al. **Histochemie** 33:121-7, 1973 (Eng. Abstr.) **(Ger)**

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. **Schweiz Med Wochenschr** 103:840-2, 9 Jun 73 (Eng. Abstr.) **(Ger)**

[Pituitary hormones] Matsukura S, et al. **Clin Endocrinol (Tokyo)** 21:1-6, Jan 73 (36 ref.) **(Jap)**

[Female gonadal gland] Nakayama T. **Clin Endocrinol (Tokyo)** 21:35-40, Jan 73 (15 ref.) **(Jap)**

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN. **Probl Endokrinol (Mosk)** 19:54-7, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN. **Probl Endokrinol (Mosk)** 19:114-20, Mar-Apr 73 (98 ref.) **(Rus)**

[Changes in the oxidation-reduction processes in certain rat organs and tissues under the effect of oxytocin] Siver PIa. **Probl Endokrinol (Mosk)** 19:93-5, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al. **Usp Fiziol Nauk** 3:52-68, Jan-Mar 72 (72 ref.) **(Rus)**

[Hemato-testicular barrier] Raĭtsina SS, et al. **Usp Sovrem Biol** 75:104-24, Jan-Feb 73 (113 ref.) **(Rus)**

[Effect of cervical sympathectomy on thyroid functional activity under conditions of weakened hypophyseal thyrotropic function] Aivazian LK. **Zh Eksp Klin Med** 12:13-8, 1972 **(Rus)**

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol** 30:429-40, 1972 (49 ref.)

The clinical pattern of cretinism as seen in northern Italy. Costa A. **Adv Exp Med Biol** 30:31-47, 1972

Adrenocortical activation in alcoholics during chronic drinking. Stokes PE. **Ann NY Acad Sci** 215:77-83, 30 Apr 73

The effect of hypophysectomy on the cortisol secretion in 4 patients with advanced metastatic breast cancer. Lewis AA, et al. **Br J Surg** 60:493-4, Jun 73

FSH, LH and testosterone blood level in patients with psychogenic impotence. Legros JJ, et al. **Endocrinol Exp (Bratisl)** 7:59-64, 1973

Endocrine function in acute head injury. Varma MP, et al. **J Ir Med Assoc** 66:98-100, 24 Feb 73

The empty-sella syndrome. Faglia G, et al. **Lancet** 2:149, 21 Jul 73

Defective growth-hormone secretion after maize diets. Merimee TJ, et al. **Lancet** 2:120-2, 21 Jul 73

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. **Obstet Gynecol** 41:803-8, Jun 73

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med** 143:460-4, Jun 73

The development of TSH producing pituitary tumours in the mouse. Dingemans KP. **Virchows Arch [Zellpathol]** 12:338-59, 30 Mar 73

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-8, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Growth and growth hormone in "cerebral gigantism"] Butenandt O, et al.
Munch Med Wochenschr 115:577-80, 6 Apr 73 (Eng. Abstr.) (Ger)

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

[Endocrine-metabolic response to post-insulin hypoglycemia in obese patients] Durán S, et al.
Rev Clin Esp 129:27-32, 1 Apr 73 (Eng. Abstr.) (Spa)

[Experimental modifications in the gluco-lipidic and growth hormone behavior after arginine infusion in human obesity] Durán S, et al.
Rev Clin Esp 129:129-34, 30 Apr 73 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

[Dynamics of changes in the ovaries, hypophysis and adrenals in the latent period of radiation carcinogenesis] Pavlenko-Mikhailov IuN.
Vopr Onkol 18:87, 1972 (Rus)

SECRETION

Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol** 30:417-28, 1972

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing hormone (TRH). Breneman WR, et al.
Biochem Biophys Res Commun 52:189-94, 1 May 73

CRF-stimulated biosynthesis of ACTH in a cell-free system from rat anterior pituitaries. Ishikawa H, et al.
Biochem Biophys Res Commun 52:884-9, 8 Jun 73

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al.
Biochem Biophys Res Commun 52:1314-9, 19 Jun 73

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al.
Biochem Pharmacol 22:1241-5, 15 May 73

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res** 54:1-29, 17 May 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf)** 1:91-7, Jan 72

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. **Endocrinol Exp (Bratisl)** 7:69-74, 1973

TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al.
Endocrinology 93:26-33, Jul 73

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. **FEBS Lett** 32:49-51, 15 May 73

In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages. Spona J, et al.
FEBS Lett 32:52-4, 15 May 73

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol** 20:490-7, Jun 73

Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al.
Horm Metab Res 5:62, Jan 73

Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. **J Endocrinol** 57:539-48, Jun 73

Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al.
J Med Chem 16:369-73, Apr 73

In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al.
J Nutr 103:1012-7, Jul 73

Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al.
J Physiol (Lond) 231:32P-34P, May 73

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73

Neural regulation of growth hormone secretion. Martin JB. **N Engl J Med** 288:1384-93, 28 Jun 73 (83 ref.)

Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al.
Neuroendocrinology 12:1-16, 1973

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE.
Neuroendocrinology 10:273-81, 1972

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al.
Physiol Behav 10:369-72, Feb 73

Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone. Burgus R, et al.
Proc Natl Acad Sci USA 70:684-8, Mar 73

[Liberation of TSH by the anterior pituitary gland of the rat under the influence of diethylamino-2-ethyl diphenylacetate] Mornex R, et al.
C R Acad Sci [D] (Paris) 276:2289-92, 9 Apr 73 (Fre)

[Effect of L-Dopa on the secretion of prolactin in eels] Olivereau M, et al.
C R Acad Sci [D] (Paris) 276:1325-7, 19 Feb 73 (Fre)

[35 SO 4 Na 2 incorporation in thyreotropic cells after thyroidectomy in mice] Deminatti M.
C R Soc Biol (Paris) 166:1316-8, 1972 (Fre)

[Demonstration of corticotropic cells in the pituitary gland of the green frog, Rana esculenta L., by the immunofluorescent technic] Vaudry H, et al.
C R Soc Biol (Paris) 166:1362-5, 1972 (Fre)

[Reduction of neurohypophyseal secretion by cobalt, manganese and D600] Nordmann JJ, et al.
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)

[Hippocampus] Gambarian LS, et al.
Usp Fiziol Nauk 3:21-51, Jan-Mar 72 (271 ref.) (Rus)

SURGERY

Diabetic retinopathy: hope or despair. Cullen JF.
Trans Ophthalmol Soc UK 92:59-68, 1972 (25 ref.)

Pituitary ablation in the treatment of diabetic retinopathy. (A randomized trial). Kohner EM, et al.
Trans Ophthalmol Soc UK 92:79-90, 1972

TRANSPLANTATION

Effects of hypophysectomy, pituitary autografts, prolactin, temperature and salinity of the medium on survival and natremia in the bullhead, Ictalurus melas. Chidambaram S, et al.
Comp Biochem Physiol [A] 43:443-57, 1 Oct 72

Effects of serotonin precursors and melatonin on serum prolactin release in rats. Lu KH, et al.
Endocrinology 93:152-5, Jul 73

The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. McWhinnie DJ, et al.
J Embryol Exp Morphol 29:515-27, Jun 73

Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. **J Endocrinol** 57:539-48, Jun 73

Serial transplantation of carcinogen-treated mammary nodule outgrowths. 3. Dissociation of carcinogen-induced cell variants by dose and chemical structure of carcinogen. Medina D.
J Natl Cancer Inst 50:1555-9, Jun 73

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE.
Neuroendocrinology 10:273-81, 1972

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

PITUITARY GLAND FUNCTION TESTS

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-8, 1972

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med 18:363-87, 1972 (97 ref.)**

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

Endocrine disorders of growth in stature. Raiti S.
Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73

[STH blood level after metopirone in 12 patients with acromegaly] Chiodini PG, et al.
Ann Endocrinol (Paris) 33:431-5, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al.
Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Role of medroxyprogesterone acetate (MPA) on the blood level of STH in 12 patients with acromegaly] Liuzzi A, et al.
Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al.
Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)

[Behavior of corticotropinemia and cortisolemia in insulin-induced hypoglycemia. Evaluation of plasma ACTH with a radioimmunological method] Cicognani A, et al.
Minerva Pediatr 25:683-7, 28 Apr 73 (Eng. Abstr.) (Ita)

PITUITARY GLAND IRRADIATION

Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al.
Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72

A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. **Clin Endocrinol (Oxf) 1:181-7, Apr 72**

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. **Int Surg 58:482-4, Jul 73**

Pituitary and parathyroid tumours: an example of the pluriglandular syndrome. Axon AT, et al.
Proc R Soc Med 66:444-5, May 73

Diabetic retinopathy managed through a pregnancy. Kohner EM, et al. **Proc R Soc Med 66:442-4, May 73**

[Cushing's disease with pituitary tumor] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

PITUITARY GLAND, POSTERIOR

Ultrastructure of the proximal convoluted tubules during repair following hormonally induced necrosis in rat kidney. Ormos J, et al.
Virchows Arch [Zellpathol] 13:1-13, 15 May 73

ABNORMALITIES

An instance of abnormal disposition of pituitary components in the teleost Puntius sophore (Ham.). Haider S, et al. **Anat Anz 133:68-72, 1973**

ANALYSIS

The vasopressin-sensitive adenylate cyclase of the rat renal medulla. Neer EJ.
J Biol Chem 248:4775-81, 10 Jul 73

BLOOD SUPPLY

[Ultrastructure of capillaries of the external zone of the median eminence of Rana temporaria in the process of metamorphosis] Belen'kiĭ MA, et al.
Dokl Akad Nauk SSSR 209:1232-4, 11 Apr 73 (Rus)

CYTOLOGY

Hypothalamic neurosecretory system of the teleost Puntius sophore (Ham.). Sathyanesan AG, et al.
Anat Anz 133:59-67, 1973

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73

Changes in the appearance of hypothalamo-neurohypophysial neurosecretory granules associated with their maturation. Cannata MA, et al. **J Endocrinol 57:531-8, Jun 73**

Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. Morris JF, et al.
J Endocrinol 57:517-29, Jun 73

In situ demonstration of changes in the preoptico-neurohypophysial complex after electrical stimulation of the olfactory tract in the catfish Clarias batrachus (Linn.). Rao PD, et al.
Z Zellforsch Mikrosk Anat 139:95-9, 11 May 73

GROWTH & DEVELOPMENT

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73

PHYSIOLOGY

[Unit indentification of the guinea pig supraoptic nucleus by stimulation of the median eminence] Poulain P. **C R Soc Biol (Paris) 166:1328-31, 1972 (Fre)**

PHYSIOPATHOLOGY

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) (Bul)

SECRETION

Electron microscopic studies of the development of

new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G. Brain Res 55:245-61, 15 Jun 73

[New data in favor of neurohypophyseal hormone secretion by exocytosis] Grau JD, et al. J Physiol (Paris) 65:Suppl 3:417A, 1972 (Fre)

PITUITARY GLAND, POSTERIOR Cont.

(Reduction of neurohypophyseal secretion by cobalt, manganese and D600) Nordmann JJ, et al. J Physiol (Paris) 65: Suppl 3:426A 1972 (Fre)

(Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination) Srebro Z et al. Acta Med Okayama 26: 89-97, Aug 72. (Ger)

Neurophysin binding of vasopressin analogues altered at the NH 2- and COOH-terminal positions. Kluh I et al. Mol Pharmacol 9:414-20, May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

II. Disorders of the Pituitary Gland

ACROMEGALY

Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

BLOOD

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al. Clin Endocrinol (Oxf) 1:293-314, Jul 72

Chlorpromazine treatment and growth hormone secretory responses in acromegaly. Dimond RC, et al. J Clin Endocrinol Metab 36:1189-95, Jun 73

Plasma growth hormone response to thyrotropin-releasing hormone in patients with active acromegaly. Faglia G, et al. J Clin Endocrinol Metab 36:1259-62, Jun 73

The effect of a single dose of L-dopa on pituitary hormones in acromegaly, obesity, and in normal subjects. Mims RB, et al. J Clin Endocrinol Metab 37:34-9, Jul 73

Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al. J Clin Endocrinol Metab 37:160-2, Jul 73

Metabolic behaviour of human growth hormone. Watanabe T, et al. J Nucl Biol Med 16:81-9, Apr-Jun 72

[Transcortin in health and disease] Vakov L. Vutr Boles 12:1-8, 1973 (Bul)

[Acromegaly. I. Diagnostic use of radioimmunological determination of the somatotropic hormone] Marek J, et al. Cas Lek Cesk 112:745-50, 1973 (Eng. Abstr.) (Cze)

[STH blood level after metopirone in 12 patients with acromegaly] Chiodini PG, et al. Ann Endocrinol (Paris) 33:431-5, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Role of medroxyprogesterone acetate (MPA) on the blood level of STH in 12 patients with acromegaly] Liuzzi A, et al. Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Renin-angiotensin-aldosterone system and arterial hypertension in acromegaly] Vallotton MB, et al. Ann Endocrinol (Paris) 33:447-8, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Short-term muscular work as a stimulation test for STH secretion] Schröder KE, et al. Munch Med Wochenschr 115:454-5, 16 Mar 73 (Eng. Abstr.) (Ger)

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al. Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

A case of acromegaly and gigantism with depression. Avery TL. Br J Psychiatry 122:599-600, May 73

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al. Mt Sinai J Med NY 40:402-13, May-Jun 73

Peripheral neuropathies in diseases of internal organs. II. A survey. Jennekens FG. Neth J Med 16:38-50, 1973 (105 ref.)

Clinical demonstrations. Goodwin JF. Postgrad Med J 48:722-31, Dec 72

DIAGNOSIS

[Acromegaly. I. Diagnostic use of radioimmunological determination of the somatotropic hormone] Marek J, et al. Cas Lek Cesk 112:745-50, 1973 (Eng. Abstr.) (Cze)

DRUG THERAPY

A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. Clin Endocrinol (Oxf) 1:181-7, Apr 72

Chlorpromazine treatment and growth hormone secretory responses in acromegaly. Dimond RC, et al. J Clin Endocrinol Metab 36:1189-95, Jun 73

[Role of medroxyprogesterone acetate (MPA) on the blood level of STH in 12 patients with acromegaly] Liuzzi A, et al. Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

ENZYMOLOGY

[Acromegaly. I. Diagnostic use of radioimmunological determination of the somatotropic hormone] Marek J, et al. Cas Lek Cesk 112:745-50, 1973 (Eng. Abstr.) (Cze)

ETIOLOGY

Pituitary and parathyroid tumours: an example of the pluriglandular syndrome. Axon AT, et al. Proc R Soc Med 66:444-5, May 73

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al. Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

Polymeric collagen of skin in normal sunjects and in patients with inherited connective tissue disorders. Francis MJ, et al. Clin Sci 44:429-38, May 73

Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al. Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K. Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Immunofluorescence studies on the G cells in normal and abnormal gastric mucosa. Pearse AG, et al. Acta Hepatogastroenterol (Stuttg) 19:291-5, Jul-Aug 72

Skin collagen and thickness in acromegaly and hypopituitarism. Black MM, et al. Clin Endocrinol (Oxf) 1:259-63, Jul 72

PHYSIOPATHOLOGY

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al. Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Mid-course development of metabolic and endocrinologic parameters after acromegaly treatment] Strauch G, et al. Ann Endocrinol (Paris) 33:397-8, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Acromegaly and cardiac function. Hemodynamic study] Passa P, et al. Nouv Presse Med 2:1455, 26 May 73 (Fre)

RADIOTHERAPY

A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. Clin Endocrinol (Oxf) 1:181-7, Apr 72

THERAPY

[Mid-course development of metabolic and endocrinologic parameters after acromegaly treatment] Strauch G, et al.
Ann Endocrinol (Paris) 33:397-8, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADENOMA, BASOPHILIC

COMPLICATIONS

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

ADENOMA, CHROMOPHOBE

Neoplasms of the sella turcica region in Ibadan, Nigeria. Odeku EL, et al. Afr J Med Sci 4:127-36, Apr 73

COMPLICATIONS

Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73
Long-time observations of the Blalock-Taussig operation. V. Neoplasms in Tetralogy of Fallot. Mulvihill JJ, et al. Johns Hopkins Med J 133:16-8, Jul 73
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK.
Can J Ophthalmol 8:164-6, Jan 73
Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Intracranial dissemination of pituitary adenomas. Ogilvy KM, et al.
J Neurol Neurosurg Psychiatry 36:199-205, Apr 73

PHYSIOPATHOLOGY

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK.
Can J Ophthalmol 8:164-6, Jan 73
Neuroradiology of juxtasellar mass lesions. Lee KF, et al. CRC Crit Rev Radiol Sci 3:105-69, Jan 72
Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)

RADIOTHERAPY

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

SURGERY

Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK.
Can J Ophthalmol 8:164-6, Jan 73
Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADENOMA, EOSINOPHILIC

Neoplasms of the sella turcica region in Ibadan, Nigeria. Odeku EL, et al. Afr J Med Sci 4:127-36, Apr 73

COMPLICATIONS

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al.
Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)

PATHOLOGY

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

RADIOGRAPHY

Tomography of the cavernous sinuses. Morris L, et al.
Br J Radiol 46:424-6, Jun 73

CHIARI-FROMMEL SYNDROME

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

BLOOD

[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al.
Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

THERAPY

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

CRANIOPHARYNGIOMA

Pituitary tumours in Kampala, Uganda. Bailey IC.
Afr J Med Sci 4:171-8, Apr 73
Histopathology of brain tumours in the African in Kenya. Kasili EG, et al. Afr J Med Sci 4:99-106, Apr 73
Neoplasms of the sella turcica region in Ibadan, Nigeria. Odeku EL, et al. Afr J Med Sci 4:127-36, Apr 73

COMPLICATIONS

Thromboembolism and brain tumors. Brisman R, et al.
J Neurosurg 38:337-8, Mar 73
Analysis of some unusual and difficult visual field defects. Harrington DO.
Trans Ophthalmol Soc UK 92:15-30, 1972
[Body asymmetry associated with craniopharyngioma. Report of a case] Finizio FS, et al.
Riv Neurol 43:85-92, Mar-Apr 73 (Eng. Abstr.) (Ita)
[Eye manifestations in tumors of the optic chiasm] Bromowicz J, et al.
Klin Oczna 43:257-60, Mar 73 (Eng. Abstr.) (Pol)

LIBRARY U. OF I., URBANA-CHAMPAIGN

DIAGNOSIS

[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[The EMI-scanner] Fischgold H.
J Radiol Electrol Med Nucl 54:1-5, Jan 73 (Fre)
[REG and EEG findings in children with tumors of the chiasmatic-diencephalic region] Filina TF, et al.
Vopr Neirokhir 37:45-9, Jan-Feb 73 (Eng. Abstr.) (Rus)

OCCURRENCE

The relative frequency of brain tumours in Egypt. Sorour O, et al. **Afr J Med Sci 4:178-86, Apr 73**

PATHOLOGY

Growth characteristics of experimental intracerebrally transplanted oral epithelium. VanGilder JC, et al.
J Neurosurg 38:608-15, May 73
[Morphologic changes in the afferent pathways of the heart in brain tumors affecting the hypothalamic area] Taiushev KG.
Kardiologiia 13:125-31, Mar 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Studies on craniopharyngiomas. IV. Stereotaxic treatment with radiosurgery. Backlund EO.
Acta Chir Scand 139:344-51, 1973
Thromboembolism and brain tumors. Brisman R, et al.
J Neurosurg 38:337-8, Mar 73

RADIOGRAPHY

Roentgen diagnosis vs visual field. Huber A.
Arch Ophthalmol 90:1-12, Jul 73
Neuroradiology of juxtasellar mass lesions. Lee KF, et al. **CRC Crit Rev Radiol Sci 3:105-69, Jan 72**
[Body asymmetry associated with craniopharyngioma. Report of a case] Finizio FS, et al.
Riv Neurol 43:85-92, Mar-Apr 73 (Eng. Abstr.) (Ita)

RADIOTHERAPY

Studies on craniopharyngiomas. IV. Stereotaxic treatment with radiosurgery. Backlund EO.
Acta Chir Scand 139:344-51, 1973

SURGERY

[Functional state of the brain, heart and kidneys during removal of brain tumors under general anesthesia with autonomic nerve block] Borshchagovskii ML, et al.
Vopr Neirokhir 37:54-9, Mar-Apr 73 (Eng. Abstr.) (Rus)

DIABETES INSIPIDUS

Single unit activity in the supraoptic nucleus of Brattleboro rats. Dyball RE.
J Physiol (Lond) 231:39P-40P, May 73

BLOOD

[Renal diabetes insipidus with hypokalemia, hyperaldosteronism, and increased plasma-renin activity (Bartter syndrome)] Rosenkranz A, et al.
Paediatr Paedol 8:297-303, 1973 (Eng. Abstr.) (Ger)

COMPLICATIONS

Granulomatous sarcoid nephritis. Bourke E, et al.
Ir J Med Sci 142:127-31, May 73
Some endocrinological studies on a child with obesity and diabetes insipidus. Girotti F, et al.
Monatsschr Kinderheilkd 121:160-2, Apr 73
[Unusual forms of juvenile diabetes] Jean R, et al.
Arch Fr Pediatr 29:957-64, Nov 72 (Eng. Abstr.) (Fre)
[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Diabetes insipidus as a complication of pneumococcal meningitis. Abramsky O, et al.
J Am Geriatr Soc 21:232-4, May 73
[Case of retroperitoneal fibrosis simulating diabetes insipidus] Fabrizi GC.
Minerva Urol 25:33-9, Jan-Feb 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Diuretics in nonedematous states. Physiological basis for the clinical use. Martinez-Maldonado M, et al.
Arch Intern Med 131:797-808, Jun 73 (111 ref.)
Diabetes insipidus as a complication of pneumococcal meningitis. Abramsky O, et al.
J Am Geriatr Soc 21:232-4, May 73
[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) (Bul)
[Use of DDAVP in children's diabetes insipidus] Raška B, et al.
Cesk Pediatr 28:262-4, 1973 (Eng. Abstr.) (Cze)
[Cutaneous overload due to polyvinylpyrrolidone] Géniaux M, et al.
Bull Soc Fr Dermatol Syphiligr 79:532-5, 1972 (Fre)
[Changes in water metabolism of rats with diabetes insipidus under treatment with clofibrate, with or without ADH] Dumas JC, et al.
C R Soc Biol (Paris) 166:460-4, 9 Nov 72 (Fre)
[Case of pulmonary fibrosis following inhalation of posterior pituitary powder] Germouty J, et al.
Rev Tuberc Pneumol (Paris) 36:867-80, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Current therapy of diabetes insupidus] Guihard J.
Therapie 27:1053-9, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Chlorpropamide in diabetes insipidus] Uhlich E, et al.
Minerva Med 64:1702-4, 5 May 73 (Ita)

ETIOLOGY

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med 23:1-18, 1972 (83 ref.)**
Diabetes insipidus as a complication of pneumococcal meningitis. Abramsky O, et al.
J Am Geriatr Soc 21:232-4, May 73
[Chlorpropamide in diabetes insipidus] Uhlich E, et al.
Minerva Med 64:1702-4, 5 May 73 (Ita)
[Hypothalamic lesions and its functions in 2 autopsy cases] Miyasaki K, et al.
Folia Endocrinol Jap 49:681-90, 20 Apr 73 (Eng. Abstr.) (Jap)

FAMILIAL & GENETIC

Histochemistry and electron microscopy of the renal papilla in a genetic strain of rats with diabetes insipidus. Sun CN, et al. **Nephron 9:308-17, 1972**
[Use of DDAVP in children's diabetes insipidus] Raška B, et al.
Cesk Pediatr 28:262-4, 1973 (Eng. Abstr.) (Cze)

METABOLISM

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP.
Horm Metab Res 5:63, Jan 73
The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins. Baker BI. **J Endocrinol 57:393-404, Jun 73**
Mechanisms of lithium action. Singer I, et al.
N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)
Sodium handling by the kidney in health and disease. A review. First MR.
S Afr Med J 47:839-43, 19 May 73 (59 ref.)
[Chlorpropamide in diabetes insipidus] Uhlich E, et al.
Minerva Med 64:1702-4, 5 May 73 (Ita)

PATHOLOGY

Histochemistry and electron microscopy of the renal papilla in a genetic strain of rats with diabetes insipidus. Sun CN, et al. **Nephron 9:308-17, 1972**

PHYSIOPATHOLOGY

Effect of cervical sympathectomy on water balance in

pituitary stalk-sectioned rats. Fendler K, et al.
Acta Physiol Acad Sci Hung 42:61-5, 1972
Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)
[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) **(Bul)**

RADIOGRAPHY

[Case of retroperitoneal fibrosis simulating diabetes insipidus] Fabrizi GC.
Minerva Urol 25:33-9, Jan-Feb 73 (Eng. Abstr.) **(Ita)**

THERAPY

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) **(Fre)**

URINE

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al.
Acta Physiol Acad Sci Hung 42:61-5, 1972
Diuretics in nonedematous states. Physiological basis for the clinical use. Martinez-Maldonado M, et al.
Arch Intern Med 131:797-808, Jun 73 (111 ref.)

DWARFISM

Xeroderma pigmentosum. Der Kaloustian VM, et al.
Br J Dermatol 88:513-5, May 73 (13 ref.)

BLOOD

Animal model of human disease. Congenital hemolytic anemia. Fletch SM, et al. **Am J Pathol** 71:477-80, Jun 73

COMPLICATIONS

Mild renal tubular acidosis in a patient with short stature. Matsuda I, et al.
Tohoku J Exp Med 109:49-55, Jan 73
[Familial asphyxiating thoracic dystrophy (maladie de Jeune). A contribution on the differential diagnosis of disproportionate dwarfism] Kotte W, et al.
Kinderaerztl Prax 40:83-92, Feb 72 **(Ger)**

CONGENITAL

Congenital heart disease associated with the Russell-silver syndrome. Cole RB, et al.
S Afr Med J 47:989-90, 16 Jun 73

DIAGNOSIS

Endocrine disorders of growth in stature. Raiti S.
Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al.
Br Med J 1:153-4, 20 Jan 73
[Familial asphyxiating thoracic dystrophy (maladie de Jeune). A contribution on the differential diagnosis of disproportionate dwarfism] Kotte W, et al.
Kinderaerztl Prax 40:83-92, Feb 72 **(Ger)**

DRUG THERAPY

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf)** 1:91-7, Jan 72
Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. **J Pediatr** 83:253-63, Aug 73

ETIOLOGY

Growth and development of children with Legg-Calvé-Perthes syndrome in Israel. Laron Z, et al.
Isr J Med Sci 9:612-6, May 73
Zinc deficiency in man. Halsted JA.
Lancet 1:1447-8, 23 Jun 73

FAMILIAL & GENETIC

Dwarfism amongst the Buang of Papua New Guinea. Malcolm LA, et al. **Hum Biol** 45:181-93, May 73
Familial bird-headed dwarfism (Seckel's syndrome). Sauk JJ, et al. **J Med Genet** 10:196-8, Jun 73
A Spanish family with sarcosinemia. Hariga J, et al.
Monogr Hum Genet 6:156, 1972
[3 cases of spondylometaphyseal dysplasia in one family] Van de Velde E, et al.
J Belge Radiol 55:623-30, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Familial asphyxiating thoracic dystrophy (maladie de Jeune). A contribution on the differential diagnosis of disproportionate dwarfism] Kotte W, et al.
Kinderaerztl Prax 40:83-92, Feb 72 **(Ger)**

IMMUNOLOGY

[Primary immunodeficient syndromes] Stoppoloni G.
Pediatria (Napoli) 81:147-200, 31 Mar 73 (231 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. **J Pediatr** 83:253-63, Aug 73
[Secretion of STH and insulin-glycide metabolism in subjects with Turner's syndrome or malformative small stature] Marrama P, et al.
Recent Prog Med (Roma) 54:197-212, Mar 73 (Eng. Abstr.) **(Ita)**

NURSING

[Clinical description and keypoints in nursing of patients with dwarfism] Okada Y.
Jap J Nurs Art 19:71-81, May 73 **(Jap)**

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol** 30:429-40, 1972 (49 ref.)

RADIOGRAPHY

[Hereditary systemic diseases of the skeleton] Spranger J. **Radiologe** 13:141-6, Apr 73 **(Ger)**

VETERINARY

Animal model of human disease. Congenital hemolytic anemia. Fletch SM, et al. **Am J Pathol** 71:477-80, Jun 73

DWARFISM, PITUITARY

[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 **(Fre)**

BLOOD

[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 **(Fre)**
[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18. Leisti J, et al. **Arch Dis Child** 48:320-2, Apr 73
Some endocrinological studies on a child with obesity and diabetes insipidus. Girotti F, et al.
Monatsschr Kinderheilkd 121:160-2, Apr 73

DIAGNOSIS

Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al.
Br Med J 1:153-4, 20 Jan 73
[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 **(Fre)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

DRUG THERAPY

When Johnny doesn't grow. Sprung E.
Nurs Care 6:27-9, Jul 73
[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 (Fre)

FAMILIAL & GENETIC

Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18. Leisti J, et al. Arch Dis Child 48:320-2, Apr 73
[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 (Fre)

IMMUNOLOGY

Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18. Leisti J, et al. Arch Dis Child 48:320-2, Apr 73

METABOLISM

Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)

FROEHLICH'S SYNDROME

ETIOLOGY

[92 cases of post-traumatic sex disorders] Morsier G de, et al. Ann Med Psychol (Paris) 2:653-70, Dec 72 (Fre)

GIGANTISM

Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

COMPLICATIONS

A case of acromegaly and gigantism with depression. Avery TL. Br J Psychiatry 122:599-600, May 73

ETIOLOGY

[Growth and growth hormone in "cerebral gigantism"] Butenandt O, et al.
Munch Med Wochenschr 115:577-80, 6 Apr 73 (Eng. Abstr.) (Ger)

HYPERPITUITARISM

METABOLISM

Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)

HYPOPITUITARISM

BLOOD

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73
Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72
[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) (Bul)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

The small lung of hypopituitarism. Jain BP, et al.
Am Rev Respir Dis 108:49-55, Jul 73
Hypothalamic control of secretion of gonadotrophins. Sheehan HL. Endocrinol Exp (Bratisl) 7:49-51, 1973
Pseudo-pseudohypoparathyroidism with hypopituitarism. Jacobs S.
J La State Med Soc 125:205-11, Jun 73
[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. Am J Med 54:777-81, Jun 73
Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

ETIOLOGY

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. Am J Med 54:777-81, Jun 73
Hypopituitarism after extracranial irradiation: evidence for hypothalamic origin. Larkins RG, et al.
Br Med J 1:152-3, 20 Jan 73
Experimental induction heating hypophysectomy. Zervas NT, et al. Confin Neurol 35:129-37, 1973
Growth and development of children with Legg-Calvé-Perthes syndrome in Israel. Laron Z, et al.
Isr J Med Sci 9:612-6, May 73
Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al.
Neth J Med 16:111-5, 1973
[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

IMMUNOLOGY

[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)

PATHOLOGY

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. Am J Med 54:777-81, Jun 73
Skin collagen and thickness in acromegaly and hypopituitarism. Black MM, et al.
Clin Endocrinol (Oxf) 1:259-63, Jul 72

PHYSIOPATHOLOGY

The small lung of hypopituitarism. Jain BP, et al.
Am Rev Respir Dis 108:49-55, Jul 73
Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72
The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73
[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al.
Rev Clin Esp 129:33-8, 1 Apr 73 (Eng. Abstr.) (Spa)

URINE

Effect of hypopituitarism and ACTH on the urinary excretion of norepinephrine in man. Moyano MB, et al. J Clin Endocrinol Metab 37:1-5, Jul 73

INFANTILISM

Hysteria. Verbeek E. Psychiatr Clin (Basel) 6:104-20, 1973

ETIOLOGY

[Characteristics of the disorders of mental development in children and adolescents with congenital cyanotic heart defects] Kremneva LF. Zh Nevropatol Psikhiatr 73:579-82, 1973 (Eng. Abstr.) (Rus)

PITUITARY DISEASES

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

BLOOD

Metabolic behaviour of human growth hormone. Watanabe T, et al. J Nucl Biol Med 16:81-9, Apr-Jun 72

[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC. Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)

CEREBROSPINAL FLUID

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

CHEMICALLY INDUCED

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

COMPLICATIONS

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. Am J Med 54:777-81, Jun 73

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

Multiple endocrine adenomatosis and peptic ulcer. Tomlinson S. Proc R Soc Med 66:445-6, May 73

[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al. Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)

[1st results of the study on the psychological, gynecological and endocrinologic relationships in secondary amenorrhea] Frick V, et al. Med Welt 23:1934-6, 16 Dec 72 (Ger)

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al. Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

The empty sella. Lancet 1:925-6, 28 Apr 73

Use of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al. Proc R Soc Med 66:187, Feb 73

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)

[Behavior of corticotropinemia and cortisolemia in insulin-induced hypoglycemia. Evaluation of plasma ACTH with a radioimmunological method] Cicognani A, et al. Minerva Pediatr 25:683-7, 28 Apr 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. Neuroendocrinology 11:328-37, 1973

ETIOLOGY

[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al. Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)

Pituitary necrosis in diabetes mellitus. Kovács K. Acta Diabetol Lat 9:958-71, Nov-Dec 72 (Eng. Abstr.) (Mul)

IMMUNOLOGY

[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al. Minerva Med 64:1281-97, 18 Apr 73 (Ita)

METABOLISM

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

MICROBIOLOGY

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

PATHOLOGY

Pituitary necrosis in diabetes mellitus. Kovács K. Acta Diabetol Lat 9:958-71, Nov-Dec 72 (Eng. Abstr.) (Mul)

PHYSIOPATHOLOGY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. Neuroendocrinology 11:328-37, 1973

[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR. Rev Clin Esp 129:119-22, 30 Apr 73 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

[Empty sella turcica] García Gutiérrez D, et al. Rev Clin Esp 129:299-302, 15 May 73 (Spa)

SURGERY

Intrasellar or pituitary abscess. Lindholm J, et al. J Neurosurg 38:616-9, May 73

PITUITARY GLAND

ABNORMALITIES

An instance of abnormal disposition of pituitary components in the teleost Puntius sophore (Ham.). Haider S, et al. Anat Anz 133:68-72, 1973

Primary pituitary dysgenesis. Willard D. Pediatrics 57:586, Mar 73

PITUITARY GLAND, POSTERIOR

ABNORMALITIES

An instance of abnormal disposition of pituitary components in the teleost Puntius sophore (Ham.). Haider S, et al. Anat Anz 133:68-72, 1973

PITUITARY NEOPLASMS

Histopathology of brain tumours in the African in Kenya. Kasili EG, et al. Afr J Med Sci 4:99-106, Apr 73

Neoplasms of the sella turcica region in Ibadan, Nigeria. Odeku EL, et al. Afr J Med Sci 4:127-36, Apr 73

Malignant thymoma with central nervous system metastases. Butterworth ST, et al. Br J Dis Chest 67:141-5, Apr 73

[Hypothalamic lesions and its functions in 2 autopsy cases] Miyasaki K, et al. Folia Endocrinol Jap 49:681-90, 20 Apr 73 (Eng. Abstr.) (Jap)

[Spontaneous and induced neoplasms in aquarium fish] Khudolei VV. Usp Sovrem Biol 74:473-81, Nov-Dec 72 (91 ref.) (Rus)

LIBRARY U. OF I., URBANA-CHAMPAIGN

BLOOD

Human neurophysine blood levels under normal, experimental and pathological conditions. Legros JJ, et al. **Clin Endocrinol (Oxf)** 1:99-113, Jan 72

[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) **(Bul)**

[Permanant erythroblastemia in Wistar-Furth rats] Rivenzon A.
C R Soc Biol (Paris) 166:257-8, 9 Nov 72 **(Fre)**

COMPLICATIONS

Pituitary tumours in Kampala, Uganda. Bailey IC.
Afr J Med Sci 4:171-8, Apr 73

Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73

Thromboembolism and brain tumors. Brisman R, et al.
J Neurosurg 38:337-8, Mar 73

Long-time observations of the Blalock-Taussig operation. V. Neoplasms in Tetralogy of Fallot. Mulvihill JJ, et al. **Johns Hopkins Med J** 133:16-8, Jul 73

Pituitary and parathyroid tumours: an example of the plurigiandular syndrome. Axon AT, et al.
Proc R Soc Med 66:444-5, May 73

[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al.
Ann Endocrinol (Paris) 33:353-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Cushing's disease with pituitary tumor] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) **(Ger)**

[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) **(Ger)**

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al.
Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Pituitary tumours in Kampala, Uganda. Bailey IC.
Afr J Med Sci 4:171-8, Apr 73

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. **Am J Med** 54:777-81, Jun 73

Smear biopsy in neurosurgical diagnosis. Marshall LF, et al. **Arch Neurol** 29:124-6, Aug 73

Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK.
Can J Ophthalmol 8:164-6, Jan 73

Intracranial dissemination of pituitary adenomas. Ogilvy KM, et al.
J Neurol Neurosurg Psychiatry 36:199-205, Apr 73

Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al.
J Neurol Sci 19:341-9, Jul 73

The empty sella. **Lancet** 1:925-6, 28 Apr 73

Use of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al.
Proc R Soc Med 66:187, Feb 73

[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Diagnostic significance of some functional reactions of the facial skin in brain tumors] Buletsa BA, et al.
Vopr Neirokhir 37:59-61, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Mechanoelectrography in the diagnosis of brain tumors] Shefer DG, et al.
Zh Nevropatol Psikhiatr 73:663-8, 1973 **(Rus)**

DRUG THERAPY

[Treatment of pituitary adenomas with chlorpromazine] Martín Zurro A, et al.
Rev Clin Esp 129:269-72, 15 May 73 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72

METABOLISM

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73

The development of TSH producing pituitary tumours in the mouse. Dingemans KP.
Virchows Arch [Zellpathol] 12:338-59, 30 Mar 73

OCCURRENCE

Pituitary tumours in Kampala, Uganda. Bailey IC.
Afr J Med Sci 4:171-8, Apr 73

Intracranial tumour pattern in Ibadan, Nigeria. Odeku EL, et al. **Afr J Med Sci** 4:137-41, Apr 73

The relative frequency of brain tumours in Egypt. Sorour O, et al. **Afr J Med Sci** 4:178-86, Apr 73

[Intracranial expansive processes in Senegal] Collomb H, et al.
Afr J Med Sci 4:143-59, Apr 73 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72

Peripituitary gland involvement in acute leukemia in adults. Masse SR, et al. **Arch Pathol** 96:141-2, Aug 73

Histology and ultrastructure of an oncocytic adenoma of the human pituitary. Landolt AM, et al.
Cancer 31:1099-105, May 73

Intracranial dissemination of pituitary adenomas. Ogilvy KM, et al.
J Neurol Neurosurg Psychiatry 36:199-205, Apr 73

[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al.
Ann Endocrinol (Paris) 33:353-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73

PHYSIOPATHOLOGY

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)
Thromboembolism and brain tumors. Brisman R, et al. **J Neurosurg** 38:337-8, Mar 73
Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med** 66:441-2, May 73
The development of TSH producing pituitary tumours in the mouse. Dingemans KP. **Virchows Arch [Zellpathol]** 12:338-59, 30 Mar 73
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al. **Ann Endocrinol (Paris)** 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al. **Ann Endocrinol (Paris)** 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris)** 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR. **Rev Clin Esp** 129:119-22, 30 Apr 73 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Tomography of the cavernous sinuses. Morris L, et al. **Br J Radiol** 46:424-6, Jun 73
Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK. **Can J Ophthalmol** 8:164-6, Jan 73
Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al. **J Neurol Sci** 19:341-9, Jul 73
[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al. **Ann Endocrinol (Paris)** 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. **Ann Endocrinol (Paris)** 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Approach to hypophyseal neoplasms by nasosphenoidal section (report on 72 cases)] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 22:209-14, Mar 73 (Fre)
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al. **Geburtshilfe Frauenheilkd** 33:288-93, Apr 73 (Eng. Abstr.) (Ger)
[Empty sella turcica] García Gutiérrez D, et al. **Rev Clin Esp** 129:299-302, 15 May 73 (Spa)

RADIOTHERAPY

[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al. **Ann Endocrinol (Paris)** 33:353-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. **Ann Endocrinol (Paris)** 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris)** 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

SURGERY

Would you fly with these pilots? A panel discussion. **Aerosp Med** 44:786-93, Jul 73
Chromophobe adenoma of pituitary--the silent lesion. A case report. Murray DK. **Can J Ophthalmol** 8:164-6, Jan 73
Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma. Aleksic SN, et al. **J Neurol Sci** 19:341-9, Jul 73
Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med** 66:441-2, May 73
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al. **Ann Endocrinol (Paris)** 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al. **Ann Endocrinol (Paris)** 33:353-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. **Ann Endocrinol (Paris)** 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris)** 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Approach to hypophyseal neoplasms by nasosphenoidal section (report on 72 cases)] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 22:209-14, Mar 73 (Fre)
[Trans-sphenoidal hypophyseal surgery] Pecker J, et al. **Rev Otoneuroophtalmol** 44:275-9, May-Jun 72 (Fre)

SHEEHAN'S SYNDROME

COMPLICATIONS

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al. **Rev Fr Endocrinol Clin** 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. **Neuroendocrinology** 11:328-37, 1973

METABOLISM

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K. **Z Haut Geschlechtskr** 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al. **Rev Fr Endocrinol Clin** 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al. **Rev Clin Esp** 129:33-8, 1 Apr 73 (Eng. Abstr.) (Spa)

THERAPY

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al. **Rev Fr Endocrinol Clin** 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN

Radioimmunoassay. Practices and pitfalls. Yalow RS. **Circ Res 32:Suppl 1:116-28, 5 May 73 (46 ref.)**

Preparation and specificity of antiserum to synthetic secretin and its use in a radioimmunoassay (RIA). Boden G, et al. **Endocrinology 92:1617-24, Jun 73**

Specificity of aeromonas aminopeptidase toward oligopeptides and polypeptides. Wilkes SH, et al. **Eur J Biochem 34:459-66, 2 May 73**

Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation. (Berson SA), (Yalow RS), Schwartz IL. **Mt Sinai J Med NY 40:284-94, May-Jun 73**

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med 143:460-4, Jun 73**

Patterns of incorporation of 75 Se-methionine into fibrinogen and other plasma proteins in rabbits stimulated by different test conditions. Seligsohn U, et al. **Thromb Diath Haemorrh 29:76-86, 28 Feb 73**

The prolactin cell of the white-crowned sparrow, Zonotrichia leucophrys pugetensis. Mikami S, et al. **Z Zellforsch Mikrosk Anat 138:455-74, 1973**

ADMINISTRATION & DOSAGE

Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats. Szabo S, et al. **Can J Physiol Pharmacol 51:169-74, Mar 73**

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem 19:731-6, Jul 73**

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al. **J Comp Physiol Psychol 83:168-72, Apr 73**

Leukocytic response to adrenocorticotrophic hormone as influenced by the infectious history of the mammary gland. Paape MJ, et al. **J Dairy Sci 56:733-7, Jun 73**

Stress relaxation in rat skin after treatment with hormones. Vogel HG. **J Med (Basel) 4:19-27, 1973**

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al. **Lancet 1:1417-9, 23 Jun 73**

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav 10:345-50, Feb 73**

[Studies on the amount of plasma antidiuretic activity and of Porter-Silver chromogens in alcoholic delirium and in acute phenothiazine poisoning] Dobrzański T, et al. **Psychiatr Neurol Med Psychol (Leipz) 25:153-60, May 73 (Eng. Abstr.) (Ger)**

[Effects of continuous administration of ACTH on the function of the adrenal cortex and pituitary body] Sugimoto T, et al. **Clin Endocrinol (Tokyo) 20:989-94, Nov 72 (Jap)**

ADVERSE EFFECTS

Psychiatric complications of everyday drugs. Pare CM. **Practitioner 210:120-6, Jan 73**

[Does ACTH have a place in rheumatology?] Six B, et al. **Rev Rhum Mal Osteoartic 39:327-30, Apr 72 (Fre)**

[Present status of drug-induced asthma] Charpin J, et al. **Rev Tuberc Pneumol (Paris) 36:841-52, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Drug-induced pulmonary vascular accidents] Touraine R, et al. **Rev Tuberc Pneumol (Paris) 36:821-39, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Pathology of Cushing's syndrome] Saeger W, et al. **Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)**

[Experimental induction of obesity in animals] Voss C, et al. **Nahrung 16:551-8, 1972 (37 ref.) (Eng. Abstr.) (Ger)**

ANALYSIS

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al. **Clin Endocrinol (Oxf) 1:157-71, Apr 72**

The influence of deamidation on the biological activity of porcine adrenocorticotropic hormone (ACTH). Gráf L, et al. **Horm Metab Res 5:142-3, Mar 73**

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al. **J Clin Invest 22:1756-69, Jul 73**

Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al. **J Pharmacol Exp Ther 185:667-75, Jun 73**

Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. **Science 180:968-71, 1 Jun 73**

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al. **Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals. Kahri AI. **Anat Rec 176:253-71, Jul 73**

Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase. Harwood JP, et al. **J Biol Chem 248:4901-4, 25 Jul 73**

[Pulmonary neoplasms and adrenal gland insufficiency: study of a case and hypothesis on an ACTH-inhibiting factor (ACTH-IF) or an abnormal ACTH secreted by the tumor] Lelièvre M, et al. **Union Med Can 102:1071-6, May 73 (Eng. Abstr.) (Fre)**

[Medical therapy of hyperadrenalism] Raith L. **Minerva Med 64:682-4, 14 Mar 73 (Ita)**

BIOSYNTHESIS

CRF-stimulated biosynthesis of ACTH in a cell-free system from rat anterior pituitaries. Ishikawa H, et al. **Biochem Biophys Res Commun 52:884-9, 8 Jun 73**

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. **J Endocrinol 57:431-6, Jun 73**

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med 143:460-4, Jun 73**

[Detection of lipotropin-synthesizing cells by the fluorescent antibody technic] Dessy C, et al. **C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73 (Fre)**

BLOOD

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. **Acta Pathol Jap 22:779-802, Nov 72**

The changes of noradrenaline in sympathetic ganglia and in the brain under reflex and humoral influences. Bulygin IA, et al. **Acta Physiol Pol 24:149-55, Jan-Feb 73**

Endocrine disorders of growth in stature. Raiti S. **Aust Paediatr J 8:297-305, Dec 72 (20 ref.)**

Stimulation of corticotropin release. Allen JP, et al. **Br Med J 2:553, 2 Jun 73**

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al. **Clin Endocrinol (Oxf) 1:219-33, Jul 72**

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al. **Clin Endocrinol (Oxf) 1:157-71, Apr 72**

ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf) 1:3-25, Jan 72**

Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al. **Clin Endocrinol (Oxf) 1:27-44, Jan 72**

Alterations in lipid metabolism following trauma in

rabbits. Chansouria JP, et al.
Experientia 29:393-5, 15 Apr 73
Increased metabolic clearance of cortisol by stress-susceptible swine. Marple DN, et al.
J Anim Sci 36:1139-42, Jun 73
ACTH and cortisol secretory patterns in man. Gallagher TF, et al. **J Clin Endocrinol Metab 36:1058-68, Jun 73**
Radioimmunoassay of human plasma ACTH and the pathogenesis of Cushing's disease. Christy NP.
Mt Sinai J Med NY 40:298-301, May-Jun 73
The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73
Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD.
Proc Soc Exp Biol Med 143:460-4, Jun 73
Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr.
Surgery 74:204-13, Aug 73
[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) (Bul)
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Effects of synthetic TRH in normal subjects] Jaquet P, et al.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al.
C R Acad Sci [D] (Paris) 276:589-92, 22 Jan 73 (Fre)
[Circadian variations of the hypophyso-adrenal response to metopirone] Pennequin P, et al.
J Physiol (Paris) 65:Suppl 3:468A, 1972 (Fre)
[Effect of oral administration of L-dopa on plasma levels of TSH, ACTH and GH in normal subjects] Simonin R, et al.
Sem Hop Paris 49:617-21, 20 Feb 73 (Eng. Abstr.) (Fre)
[Effects of metopirone on growth hormone, glycemia, and plasma insulin] Szöts F, et al.
Union Med Can 102:591-5, Mar 73 (Eng. Abstr.) (Fre)
[Behavior of corticotropinemia and cortisolemia in insulin-induced hypoglycemia. Evaluation of plasma ACTH with a radioimmunological method] Cicognani A, et al.
Minerva Pediatr 25:683-7, 28 Apr 73 (Eng. Abstr.) (Ita)
[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)
[Experimental studies on the mechanism of ACTH secretion following acute stimulation] Sakamoto N.
Folia Endocrinol Jap 49:671-80, 20 Apr 73 (Eng. Abstr.) (Jap)

CHEMICAL SYNTHESIS

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al.
Lancet 1:1417-9, 23 Jun 73

DIAGNOSTIC USE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73
Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72
Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72
Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73
Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab 37:93-100, Jul 73**
The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73
Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. **Obstet Gynecol 41:833-6, Jun 73**

ISOLATION & PURIFICATION

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 22:1756-69, Jul 73

METABOLISM

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73
Chemical mediation of hormone action. Bitensky MW, et al. **Annu Rev Med 23:263-84, 1972 (180 ref.)**
Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73
Physiological receptors as physicochemical entities. Lefkowitz RJ, et al.
Circ Res 32:Suppl 1:46-52, 5 May 73 (57 ref.)
Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 1:27-44, Jan 72
Effect of collagenase on human growth hormone and ACTH. Baumann JB, et al.
Horm Metab Res 5:228, May 73
The influence of deamidation on the biological activity of porcine adrenocorticotropic hormone (ACTH). Gráf L, et al. **Horm Metab Res 5:142-3, Mar 73**
[Does ACTH have a place in rheumatology?] Six B, et al.
Rev Rhum Mal Osteoartic 39:327-30, Apr 72 (Fre)
[Uptake and inactivation of ACTH in isolated fat cells] Baumann JB, et al.
Schweiz Med Wochenschr 103:845-7, 9 Jun 73 (Eng. Abstr.) (Ger)
[Metabolism during physical exertion] Karoń H.
Acta Physiol Pol [Suppl] 24:17-28, 1973 (Pol)
[Distribution of I-131 labeled somatotropic and adrenocorticotropic hormones and their conjugates with alkylating compounds in rats] Patokin SV, et al.
Med Radiol (Mosk) 17:53-7, Oct 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73
The influence of ACTH treatment on spinal fluid gamma globulins in multiple sclerosis. Tobergsen T.
Acta Neurol Scand [Suppl] 51:411-2, 1972
Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972
Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al.
Am J Physiol 225:1-6, Jul 73
Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73
Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy 31:337-43, Jul 73**
Effect of some adrenal steroid hormones on skin fibroblast replication in vitro. Harvey W, et al.
Ann Rheum Dis 32:272, May 73
A polymeric form of haemoglobin-binding protein in sheep following metabolic and hormonal disturbance. Jarrett IG. **Aust J Biol Sci 25:941-8, Oct 72**
Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73
Comparison of the Ca ++ requirement for the steroidogenic effect of ACTH acid dibutyryl cyclic AMP in rat adrenal cell suspension. Haksar A, et al.
Biochem Biophys Res Commun 47:445-50, 28 Apr 72
Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate

LIBRARY U. OF I., URBANA-CHAMPAIGN

levels in isolated rat adrenal cells. Mackie C, et al. **Biochem Biophys Res Commun** 53:545-51, 17 Jul 73

The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. **Br J Exp Pathol** 54:306-11, Jun 73

Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats. Szabo S, et al. **Can J Physiol Pharmacol** 51:169-74, Mar 73

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al. **Cancer** 31:1240-3, May 73

Importance of potassium in the regulation of aldosterone production. Boyd J, et al. **Circ Res** 32:Suppl 1:39-45, 5 May 73

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Human growth hormone: a comparison of the results of plasma and serum assays using double-antibody techniques. Crowley MF, et al. **Clin Chim Acta** 45:19-24, 19 Apr 73

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al. **Clin Endocrinol (Oxf)** 1:219-33, Jul 72

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf)** 1:173-80, Apr 72

Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. **Endocrinology** 93:188-92, Jul 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. **Endocrinology** 93:119-26, Jul 73

Hippocampal epilepsy produced by ouabain. Studies of cerebral circulation and ionic metabolism. Baldy-Moulinier M, et al. **Eur Neurol** 9:333-48, 1973

The primary tissue culture of rat adult decapsulated adrenal glands: radioautographic studies on the metabolic effects of 1-24 -ACTH. Armato U, et al. **Experientia** 29:322-4, 15 Mar 73

A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine. Flint G, et al. **Experientia** 29:297-9, 15 Mar 73

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia** 29:695-6, 15 Jun 73

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. **Horm Metab Res** 5:29-33, Jan 73

Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase. Harwood JP, et al. **J Biol Chem** 248:4901-4, 25 Jul 73

Perifused fat cells. Effect of lipolytic agents. Katocs AS Jr, et al. **J Biol Chem** 248:5089-94, 25 Jul 73

Effect of hydrocortisone and corticotropin on glucose-induced insulin and proinsulin secretion in man. Kitabchi AE, et al. **J Clin Endocrinol Metab** 37:79-84, Jul 73

Effect of hypopituitarism and ACTH on the urinary excretion of norepinephrine in man. Moyano MB, et al. **J Clin Endocrinol Metab** 37:1-5, Jul 73

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al. **J Comp Physiol Psychol** 83:168-72, Apr 73

Leukocytic response to adrenocorticotrophic hormone as influenced by the infectious history of the mammary gland. Paape MJ, et al. **J Dairy Sci** 56:733-7, Jun 73

Effects of stress on serum zinc and plasma corticoids in dairy cattle. Wegner TN, et al. **J Dairy Sci** 56:748-52, Jun 73

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al. **J Endocrinol** 57:385-91, Jun 73

Neuromuscular block after intra-arterially injected acetylcholine. 2. Effects of ACTH treatments as possible detectors of desensitization level in the receptor site. Pinelli P, et al. **J Neurol Neurosurg Psychiatry** 36:271-4, Apr 73

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem** 4:129-37, Mar 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem** 4:217-26, Mar 73

Hormone therapy in malignant melanoma. Flax H, et al. **Lancet** 2:147, 21 Jul 73

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al. **Lancet** 1:1417-9, 23 Jun 73

Induction of steroidogenesis in tissue culture by cholera enterotoxin. Donta ST, et al. **Nature [New Biol]** 243:246-7, 20 Jun 73

The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs. Baldwin BA, et al. **Physiol Behav** 10:267-74, Feb 73

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav** 10:345-50, Feb 73

Open-field behavior, habituation and passive avoidance learning: effect of ACTH and hydrocortisone on normal and adrenalectomized rats. Tamásy V, et al. **Physiol Behav** 10:995-1000, Jun 73

Modification of high temperature and ACTH induced immunodepression by metyrapone. Thaxton P, et al. **Poult Sci** 52:618-24, Mar 73

[Transcortin in health and disease] Vakov L. **Vutr Boles** 12:1-8, 1973 **(Bul)**

[Effects of porcine ACTH on arterial hypertension due to norepinephrine in rats] Mathieu F. **C R Soc Biol (Paris)** 166:1394-6, 1972 **(Fre)**

[Does ACTH have a place in rheumatology?] Six B, et al. **Rev Rhum Mal Osteoartic** 39:327-30, Apr 72 **(Fre)**

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G. **Rev Roum Physiol** 10:139-47, 1973 **(Fre)**

[Adrenocorticotropic effect of beta-1-23-corticotropin compared with beta-1-24-corticotropin] Geisthövel W, et al. **Arzneim Forsch** 23:619-21, Apr 73 (Eng. Abstr.) **(Ger)**

[Effects of continuous administration of ACTH on the function of the adrenal cortex and pituitary body] Sugimoto T, et al. **Clin Endocrinol (Tokyo)** 20:989-94, Nov 72 **(Jap)**

[Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"] Hashimoto K, et al. **Folia Endocrinol Jap** 49:659-70, 20 Apr 73 (Eng. Abstr.) **(Jap)**

[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al. **J Pharm Soc Jap** 92:871-3, Jul 72 (Eng. Abstr.) **(Jap)**

[Cytotoxic stimulation of steroid hormone formation in blockade of various types of RNA] Zaichik ASh. **Patol Fiziol Eksp Ter** 17:40-4, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Effect of some hormones on the "drumstick" nuclei of the neutrophils of female and male guinea pigs] Kotova SA. **Probl Endokrinol (Mosk)** 19:95-9, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN. **Probl Endokrinol (Mosk)** 19:22-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Change in brain alkaline and acid phosphatase activity under the action of adrenocorticotrophic hormone and hydrocortisone in experimental transplanted cancer of the rat mammary gland] Blagorodov SG, et al. **Ukr Biokhim Zh** 45:166-9, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Effect of group or isolated maintenance of mice on the development of transplantable tumors] Dechambre RP, et al. **Vopr Onkol** 18:51-5, 1972 (Eng. Abstr.) **(Rus)**

[Effect of lipolytic hormones on release of FFA from adipose tissue of thyroidectomized rats and treated with thyroxine in vitro] Kovačev VP, et al. **God Zb Med Fak Skopje** 18:105-11, 1972 (Eng. Abstr.) **(Ser)**

PHYSIOLOGY

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al. **Am J Physiol** 224:1358-62, Jun 73

Hypophysis and function of pancreatic islets. II. The

effect of substitution with growth hormone and corticotrophin on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of hypophysectomized rats. Schatz H, et al.
Diabetologia 9:140-4, Apr 73

Prolactin and osmoregulation in fishes. Ensor DM, et al.
Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)

Regulation of electrolyte balance in marine birds with special reference to the role of the pituitary-adrenal axis in the duck (Anas platyrhynchos). Holmes WN.
Fed Proc 31:1587-98, Nov-Dec 72

[Membrane adenyl cyclase activity in adipose tissue of obese hyperglycemic Bar-Harbor mice] Laudat MH, et al. **C R Acad Sci [D] (Paris) 276:407-9, 15 Jan 73 (Fre)**

[Articular cartilage. 1. Physiology in the adult] Peyron JG.
Nouv Presse Med 2:1667-70, 16 Jun 73 (Eng. Abstr.) (Fre)

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G.
Rev Roum Physiol 10:139-47, 1973 (Fre)

[Occurrence of blue sclera during mental diseases and its causes] Gebel L.
Wiad Lek 26:945-9, 15 May 73 (36 ref.) (Pol)

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN.
Probl Endokrinol (Mosk) 19:114-20, Mar-Apr 73 (98 ref.) (Rus)

SECRETION

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al.
Biochem Pharmacol 22:1241-5, 15 May 73

Stimulation of corticotropin release. Allen JP, et al.
Br Med J 2:553, 2 Jun 73

Oat cell carcinoma of the pancreas with ectopic ACTH secretion. Corrin B, et al. **Cancer 31:1523-7, Jun 73**

Electron microscopy of an ACTH-secreting islet cell carcinoma. Rawlinson DG. **Cancer 31:1015-9, Apr 73**

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72

ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf) 1:3-25, Jan 72**

Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 1:27-44, Jan 72

ACTH and cortisol secretory patterns in man. Gallagher TF, et al. **J Clin Endocrinol Metab 36:1058-68, Jun 73**

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al.
J Comp Physiol Psychol 83:168-72, Apr 73

Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. Feldman S, et al.
J Neural Transm 34:1-9, 1973

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al.
Lancet 1:1417-9, 23 Jun 73

Radioimmunoassay of human plasma ACTH and the pathogenesis of Cushing's disease. Christy NP.
Mt Sinai J Med NY 40:298-301, May-Jun 73

Neurotransmitter regulation of ACTH release. Krieger DT. **Mt Sinai J Med NY 40:302-14, May-Jun 73**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al.
Neuroendocrinology 10:309-15, 1972

Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Feldman S, et al.
Neuroendocrinology 10:316-23, 1972

Alterations produced by cortisol in the spontaneous activity and responsiveness to sensory stimuli of single cells in the tuberal hypothalamus of the rat. Nagler J, et al. **Neuroendocrinology 12:52-66, 1973**

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) (Cze)

[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al.
C R Acad Sci [D] (Paris) 276:589-92, 22 Jan 73 (Fre)

[Demonstration of corticotropic cells in the pituitary gland of the green frog, Rana esculenta L., by the immunofluorescent technic] Vaudry H, et al.
C R Soc Biol (Paris) 166:1362-5, 1972 (Fre)

[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 (Fre)

[Pulmonary neoplasms and adrenal gland insufficiency: study of a case and hypothesis on an ACTH-inhibiting factor (ACTH-IF) or an abnormal ACTH secreted by the tumor] Lelièvre M, et al.
Union Med Can 102:1071-6, May 73 (Eng. Abstr.) (Fre)

[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)

[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

[Experimental studies on the mechanism of ACTH secretion following acute stimulation] Sakamoto N.
Folia Endocrinol Jap 49:671-80, 20 Apr 73 (Eng. Abstr.) (Jap)

STANDARDS

The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73

THERAPEUTIC USE

The influence of ACTH treatment on spinal fluid gamma globulins in multiple sclerosis. Tobergsen T.
Acta Neurol Scand [Suppl] 51:411-2, 1972

Hereditary recurrent brachial neuropathy. Guillozet N, et al. **Am J Dis Child 125:884-7, Jun 73**

Crohn's disease: a clinical study of 75 patients. Arvanitakis C, et al.
Am J Gastroenterol 59:532-40, Jun 73

Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73

ACTH inhibition of dehydration-induced changes in the hypothalamic neurosecretory system of the musk shrew, suncus murinus L. Kulshreshtha A, et al.
Indian J Med Res 60:1032-7, Jul 72

Neuromuscular block after intra-arterially injected acetylcholine. 2. Effects of ACTH treatments as possible detectors of desensitization level in the receptor site. Pinelli P, et al.
J Neurol Neurosurg Psychiatry 36:271-4, Apr 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Hormone therapy in malignant melanoma. Flax H, et al. Lancet 2:147, 21 Jul 73

[Lipoatrophic diabetes. A case description] Bozhadzhieva E, et al. Vutr Boles 12:130-3, 1973 (Bul)

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Use of a synthetic corticostimuline in patients with severe respiratory insufficiency treated by assisted ventilation] Giroud M, et al. Lyon Med 228:735-41, 10 Dec 72 (Fre)

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Hypsarrhythmia and synthetic ACTH] Waltregny A. Rev Med Liege 27:869-71, 15 Dec 72 (Fre)

[Epilepsy and perinatal injury] Tchicaloff M. Rev Med Suisse Romande 93:51-8, Jan 73 (Fre)

[Does ACTH have a place in rheumatology?] Six B, et al. Rev Rhum Mal Osteoartic 39:327-30, Apr 72 (Fre)

[Pseudotumor cerebri. Benign intracranial pressure] Benini A. Schweiz Med Wochenschr 103:970-4 concl, 7 Jul 73 (Ger)

[Clinical and neurological aspects of 2 cases of leucine-sensitive idiopathic hypoglycemia in the evolutional age] Spina A. Acta Neurol (Napoli) 28:128-32, Mar-Apr 73 (Eng. Abstr.) (Ita)

[Body height increase and secretion of somatotropin in children with variously treated hephrotic syndromes] Cicognani A, et al. Minerva Pediatr 25:583-92, 14 Apr 73 (Eng. Abstr.) (Ita)

[Effectiveness of intermittent corticoid therapy in tuberculosis in children and adolescents] Bazaciiu E, et al. Ftiziologia 22:289-94, May-Jun 73 (Eng. Abstr.) (Rum)

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA. Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

[General and local hormone therapy in otorhinolaryngology] Mlechin BM. Vestn Otorinolaringol 34:109-14, Jul-May 73 (Rus)

[Hormonal preparation of rheumatic fever and chronic tonsillitis patients, treated with corticosteroids, for tonsillectomy] Mishina KI. Zh Ushn Nos Gorl Bolezn 32:39-41, Mar-Apr 72 (Eng. Abstr.) (Rus)

[Treatment of peripheral facial paralysis and post-parotidectomy with ACTH-GEL. Report of 17 cases] Banquer de Borello E. Rev Asoc Odontol Argent 61:5-6, Jan-Feb 73 (Spa)

URINE

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. Acta Pathol Jap 22:779-802, Nov 72

FSH

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. Am J Obstet Gynecol 116:706-10, 1 Jul 73

Polymorphism of protein and polypeptide hormones. Franchimont P, et al. Clin Endocrinol (Oxf) 1:315-36, Oct 72

The relationship of the activity of gonadotrophins to their structures. Kennedy JF. Endocrinol Exp (Bratisl) 7:5-17, 1973

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

Preparation and specificity of antiserum to synthetic secretin and its use in a radioimmunoassay (RIA). Boden G, et al. Endocrinology 92:1617-24, Jun 73

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. J Biol Chem 248:5042-9, 25 Jul 73

Lability of human pituitary follicle-stimulating hormone to mild acid treatment. Kennedy JF, et al. J Endocrinol 57:501-7, Jun 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. J Med Chem 16:373-7, Apr 73

ADMINISTRATION & DOSAGE

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. Am J Obstet Gynecol 116:706-10, 1 Jul 73

ANALYSIS

Bioassay and immunoassay of gonadotrophins: routine procedures. Butt WR, et al. Endocrinol Exp (Bratisl) 7:43-8, 1973

Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Lloyd RV, et al. Endocrinology 92:1639-51, Jun 73

Gonadal function and the biological and physicochemical properties of follicle stimulating hormone. Peckham WD, et al. Endocrinology 92:1660-6, Jun 73

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al. Endocrinology 92:1652-9, Jun 73

Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. J Endocrinol 57:199-206, May 73

The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al. J Reprod Fertil 33:441-50, Jun 73

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. Physiol Behav 10:369-72, Feb 73

Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73

[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H. Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al. Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. Endocrinol Exp (Bratisl) 7:69-74, 1973

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. Steroids 21:703-22, May 73

BLOOD

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al. Acta Endocrinol (Kbh) 73:11-21, May 73

Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al. Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al. Am J Obstet Gynecol 116:661-5, 1 Jul 73

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al. Am J Obstet Gynecol 116:616-21, 1 Jul 73

Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate women with and without ovarian follicles. Goldenberg RL, et al. Am J Obstet Gynecol 116:1003-12, 1 Aug 73

Effect of quinestrol administered with clomiphene citrate on serum follicle-stimulating hormone and luteinizing hormone and on other clinical findings. Seki M, et al. Am J Obstet Gynecol 116:388-96, 1 Jun 73

Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al. Annu Rev Med 24:295-302, 1973

Recent studies on the mode of action of human FSH. Butt WR, et al. Endocrinol Exp (Bratisl) 7:37-41, 1973

FSH, LH and testosterone blood level in patients with psychogenic impotence. Legros JJ, et al. Endocrinol Exp (Bratisl) 7:59-64, 1973

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al. **Endocrinol Exp (Bratisl) 7:80-4, 1973**

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al. **Endocrinology 92:1714-24, Jun 73**

Effect of synthetic LRF infused into a hypophysial portal vessel on gonadotropin release. Ondo JG, et al. **Endocrinology 93:205-9, Jul 73**

Gonadal function and the biological and physicochemical properties of follicle stimulating hormone. Peckham WD, et al. **Endocrinology 92:1660-6, Jun 73**

Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al. **Endocrinology 93:96-106, Jul 73**

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al. **Endocrinology 92:1652-9, Jun 73**

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al. **Folia Primatol (Basel) 19:24-7, 1973**

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL. **J Am Geriatr Soc 21:271-4, Jun 73**

Evidence for circulating alpha subunits of pituitary gonadotropins in plasma. Laburthe MC, et al. **J Clin Endocrinol Metab 37:156-9, Jul 73**

The effect of a single dose of L-dopa on pituitary hormones in acromegaly, obesity, and in normal subjects. Mims RB, et al. **J Clin Endocrinol Metab 37:34-9, Jul 73**

Nocturnal patterns of serum gonadotropins during the menstrual cycle. Naftolin F, et al. **J Clin Endocrinol Metab 37:6-10, Jul 73**

Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al. **J Clin Endocrinol Metab 36:1097-9, Jun 73**

Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al. **J Clin Endocrinol Metab 37:160-2, Jul 73**

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab 37:68-73, Jul 73**

Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al. **J Clin Endocrinol Metab 37:152-5, Jul 73**

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. **J Med Chem 16:373-7, Apr 73**

Heterologous radioimmunoassay of circulating ovine FSH in normal ewes. Hopkinson C, et al. **J Physiol (Lond) 231:52P-53P, May 73**

Intranasal application of luteinising-hormone releasing hormone. Solbach HG, et al. **Lancet 1:1259, 2 Jun 73**

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. **N Engl J Med 289:282-6, 9 Aug 73**

Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al. **Neuroendocrinology 12:86-97, 1973**

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology 12:73-85, 1973**

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. **Neuroendocrinology 11:328-37, 1973**

Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S. **Obstet Gynecol 41:809-17, Jun 73**

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. **Obstet Gynecol 41:803-8, Jun 73**

Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone. Bronson FH. **Physiol Behav 10:947-51, May 73**

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. **Physiol Behav 10:369-72, Feb 73**

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids 21:703-22, May 73**

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. **C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)**

[Influence of coitus on blood levels of FSH and LH in the female rabbit] Dufy-Barbe L, et al. **J Physiol (Paris) 65:Suppl 3:394A+, 1972 (Fre)**

[Age and endocrine function of the testes in adult man] Nieschlag E, et al. **Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)**

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. **Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)**

[Pituitary hormones] Matsukura S, et al. **Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)**

ISOLATION & PURIFICATION

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. **Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)**

[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H. **Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)**

METABOLISM

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al. **Biochim Biophys Acta 297:540-8, 28 Feb 73**

Preparation and properties of 125-I-LHRH. Miyachi Y, et al. **Endocrinology 92:1725-30, Jun 73**

Hormone fragments, subunits and polymers: are they biologically significant or chemical artifacts? Franchimont P. **Proc R Soc Med 66:446-7, May 73**

Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al. **Tohoku J Exp Med 108:199-206, Nov 72**

[Accumulation of radioactivity in the oocyte following 125 I-FSH administration] Presl J, et al. **Cesk Gynekol 38:368-70, Jun 73 (Eng. Abstr.) (Cze)**

[Hemato-testicular barrier] Raftsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

PHARMACODYNAMICS

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. **Am J Obstet Gynecol 116:706-10, 1 Jul 73**

Reproductive failure after clomiphene induced ovulation. Correy JF, et al. **Aust NZ J Obstet Gynaecol 13:29-34, Feb 73**

Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al. **Biol Reprod 8:550-9, Jun 73**

Effects of gonadotropic hormones on rat ovarian lysosomes. Dimino MJ, et al. **Biol Reprod 8:523-30, Jun 73**

Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al. **Biol Reprod 8:400-10, May 73**

Recent studies on the mode of action of human FSH. Butt WR, et al. **Endocrinol Exp (Bratisl) 7:37-41, 1973**

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al. **Endocrinology 93:34-41, Jul 73**

Effect of LH on steroidogenesis and cyclic AMP

LIBRARY UL OF L. URBANA-CHAMPAIGN

accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al. **Endocrinology** 93:127-34, Jul 73

Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale. Jones RE. **Gen Comp Endocrinol** 20:567-71, Jun 73

Relative potencies of purified mammalian gonadotropins on the uptake of radiophosphorus by chick testes. Licht P. **Gen Comp Endocrinol** 20:592-4, Jun 73

Induction of spermiation in anurans by mammalian pituitary gonadotropins and their subunits. Licht P. **Gen Comp Endocrinol** 20:522-9, Jun 73

Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. **Gen Comp Endocrinol** 20:467-73, Jun 73

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. **J Endocrinol** 57:277-84, May 73

Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al. **J Exp Zool** 184:369-82, Jun 73

The effects of aging on in vitro fertilization of rabbit eggs and subsequent embryonic development. Fraser LR, et al. **J Exp Zool** 184:303-12, Jun 73

Ovulation, fertility and prenatal mortality in heifers treated with PMSG or porcine FSH. Laster DB. **J Reprod Fertil** 33:275-82, May 73

Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al. **Proc Natl Acad Sci USA** 70:792-6, Mar 73

Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al. **Science** 181:177-9, 13 Jul 73

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. **C R Acad Sci [D] (Paris)** 275:1449-52, 25 Sep 72 **(Fre)**

PHYSIOLOGY

Subunits of human chorionic gonadotrophin: an immunochemical study. Donini S, et al. **Acta Endocrinol (Kbh)** 73:133-45, May 73

Cyclical wheel-running behavior in pregnant rats. Chiszar D, et al. **Behav Biol** 8:399-405, Mar 73

Recent studies on the mode of action of human FSH. Butt WR, et al. **Endocrinol Exp (Bratisl)** 7:37-41, 1973

Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al. **Endocrinol Exp (Bratisl)** 7:85-8, 1973

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. **Endocrinol Exp (Bratisl)** 7:19-36, 1973 (98 ref.)

Gonadal function and the biological and physicochemical properties of follicle stimulating hormone. Peckham WD, et al. **Endocrinology** 92:1660-6, Jun 73

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab** 37:68-73, Jul 73

[New findings on hypothalamic hormones] Presl J. **Cesk Gynekol** 38:373-4, Jun 73 **(Cze)**

[LH releasing factor] Friedrich F. **Hippokrates** 44:115-6, Mar 73 **(Ger)**

[Physiologic menstruation cycle. Opinion of Prof. Mainaldo Maneschi] Salvati A. **Minerva Med** 64:529-31, 3 Mar 73 **(Ita)**

SECRETION

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)

Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Nakayama I, et al. **Am J Pathol** 71:279-94, May 73

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol** 35:357-90, 1973 (175 ref.)

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol** 35:305-28, 1973 (108 ref.)

Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al. **Biochem Biophys Res Commun** 52:967-73, 8 Jun 73

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. **Endocrinol Exp (Bratisl)** 7:69-74, 1973

Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al. **Endocrinology** 93:96-106, Jul 73

Nocturnal patterns of serum gonadotropins during the menstrual cycle. Naftolin F, et al. **J Clin Endocrinol Metab** 37:6-10, Jul 73

Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al. **J Med Chem** 16:369-73, Apr 73

Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al. **J Med Chem** 16:545-9, May 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. **J Med Chem** 16:373-7, Apr 73

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al. **J Neural Transm** 34:11-22, 1973

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr** 83:187-200, Aug 73

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. **N Engl J Med** 289:282-6, 9 Aug 73

Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al. **Neuroendocrinology** 12:1-16, 1973

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. **Obstet Gynecol** 41:803-8, Jun 73

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. **Physiol Behav** 10:369-72, Feb 73

The hormones of the hypothalamus. Guillemin R, et al. **Sci Am** 227:24-33, Nov 72

Reproductive function in the human male. Report of a WHO scientific group. **WHO Tech Rep Ser** 520:1-34, 1973

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 276:593-6, 22 Jan 73 **(Fre)**

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. **Schweiz Med Wochenschr** 103:840-2, 9 Jun 73 **(Eng. Abstr.)**

[Sexual cycle in women] Fijalkowski W. **Pielęg Położna** 5:6-7 passim, May 73 **(Pol)**

THERAPEUTIC USE

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. **Am J Obstet Gynecol** 116:706-10, 1 Jul 73

A nursing care study; primary amenorrhoea. Flynn M. **Aust Nurses J** 2:21-3, Apr 73

Reproductive failure after clomiphene induced ovulation. Correy JF, et al. **Aust NZ J Obstet Gynaecol** 13:29-34, Feb 73

About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Klačanský T. **Endocrinol Exp (Bratisl)** 7:75-9, 1973

[Treatment of secretory male sterility. Gonadotropins? Mesterolone? Arginine? Quid agendum?] Giarola A, et al. **Gynecol Prat** 23:173-5, 1972 **(Fre)**

URINE

Recent studies on the mode of action of human FSH. Butt WR, et al. **Endocrinol Exp (Bratisl)** 7:37-41, 1973

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. **Endocrinol Exp (Bratisl)** 7:19-36, 1973 (98 ref.)

Effect of oral cyproterone acetate on urinary FSH and LH levels in adult males being treated for hypersexuality. Brotherton J, et al. **J Reprod Fertil** 33:256-7, May 73

Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al. **Tohoku J Exp Med** 109:29-39, Jan 73

[Changes in STH and LH blood level in the galactorrhea

syndrome] Harell A, et al.
Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Urinary elimination of gonadotropins in children during the prepubertal period] Moussier P, et al.
J Physiol (Paris) 65:Suppl 3:457A+, 1972 (Fre)
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
[Urinary estrogen excretion in preneoplastic breast diseases] Kozhnazarova IuS, et al.
Vopr Onkol 18:23-6, 1972 (Eng. Abstr.) (Rus)
[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al.
Vopr Onkol 18:19-22, 1972 (Rus)

GONADOTROPINS

The relationship of the activity of gonadotrophins to their structures. Kennedy JF.
Endocrinol Exp (Bratisl) 7:5-17, 1973
Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al.
Endocrinology 93:96-106, Jul 73
Quantitation of endogenous and exogenous gonadotropin releasing hormone by radioimmunoassay. Keye WR Jr, et al.
J Clin Endocrinol Metab 36:1263-7, Jun 73
[Exploration of the gonadotropic competence of the hypothalamus by recording optic evoked potentials in the quail] Oliver J, et al.
J Physiol (Paris) 65:Suppl 3:463A, 1972 (Fre)
[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H.
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

ANALYSIS

Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al.
Annu Rev Med 24:295-302, 1973

ANTAGONISTS & INHIBITORS

[Influence of an antigonadotropic principle on nidation in rabbits] Berthelay S, et al.
J Physiol (Paris) 65:Suppl 3:351A, 1972 (Fre)

BIOSYNTHESIS

[Case of hepatoblastoma in an infant with ectopic gonadotropin production] Kusunoki T, et al.
Clin Endocrinol (Tokyo) 20:977-83, Nov 72 (Jap)

BLOOD

Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al.
Annu Rev Med 24:295-302, 1973

ISOLATION & PURIFICATION

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73
Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al.
Annu Rev Med 24:295-302, 1973
Further evidence for the presence of an endogenous gonadotrophin-like plant factor, "phytotrophin": isolation and mechanism of action of the active principle. Shomer-Ilan A, et al.
Aust J Biol Sci 26:105-12, Feb 73

METABOLISM

Quantitation of endogenous and exogenous gonadotropin releasing hormone by radioimmunoassay. Keye WR Jr, et al.
J Clin Endocrinol Metab 36:1263-7, Jun 73

PHARMACODYNAMICS

Further evidence for the presence of an endogenous gonadotrophin-like plant factor, "phytotrophin": isolation and mechanism of action of the active principle. Shomer-Ilan A, et al.
Aust J Biol Sci 26:105-12, Feb 73
Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al.
J Endocrinol 57:277-84, May 73
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

PHYSIOLOGY

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. Anat Rec 176:331-44, Jul 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W.
Ergeb Physiol 67:69-168, 1972 (344 ref.)

SECRETION

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73
Hypothalamic control of secretion of gonadotrophins. Sheehan HL. Endocrinol Exp (Bratisl) 7:49-51, 1973
Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation in rats. Labhsetwar AP.
J Reprod Fertil 33:545-8, Jun 73
Opposite effects of platinum and stainless-steel lesions of the amygdala on gonadotropin secretion. Velasco ME. Neuroendocrinology 10:301-8, 1972
Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

THERAPEUTIC USE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73
About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Kľačanský T.
Endocrinol Exp (Bratisl) 7:75-9, 1973
[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

URINE

Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al.
Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72
46,XX Turner's syndrome. Ansari AH, et al.
Am J Obstet Gynecol 116:415-22, 1 Jun 73
Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73
Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate women with and without ovarian follicles. Goldenberg RL, et al. Am J Obstet Gynecol 116:1003-12, 1 Aug 73
Mid-trimester pre-eclampsia associated with fetal triploidy: report of a case. Hashimoto JS, et al.
Am J Obstet Gynecol 116:882-3, 15 Jul 73
Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Short-loop ("internal") pituitary-hypothalamus gonadotropin feedback in the human. Szontágh FE.
Endocrinol Exp (Bratisl) 7:65-7, 1973
Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al.
Endocrinol Exp (Bratisl) 7:80-4, 1973
Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al.
Fertil Steril 24:485-6, Jun 73
Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al.
Tohoku J Exp Med 109:29-39, Jan 73
[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)

LIBRARY U. OF I. URBANA-CHAMPAIGN

GONADOTROPINS, PITUITARY

The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al. **J Reprod Fertil** 33:441-50, Jun 73

The prolactin cell of the white-crowned sparrow, Zonotrichia leucophrys pugetensis. Mikami S, et al. **Z Zellforsch Mikrosk Anat** 138:455-74, 1973

ANALYSIS

Antifertility activity of an indigenous plant preparation (ROC-101). II. Effect on the male reproductive system. Hunshi SR, et al. **Indian J Med Res** 60:1213-9, Aug 72

BLOOD

Endocrine disorders of growth in stature. Raiti S. **Aust Paediatr J** 8:297-305, Dec 72 (20 ref.)

Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al. **Neuroendocrinology** 12:86-97, 1973

METABOLISM

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al. **Biochim Biophys Acta** 297:540-8, 28 Feb 73

PHARMACODYNAMICS

Effects of gonadotropic hormones on rat ovarian lysosomes. Dimino MJ, et al. **Biol Reprod** 8:523-30, Jun 73

Induction of precocious sexual development in female pink salmon (Oncorhynchus gorbuscha). Funk JD, et al. **Can J Zool** 51:493-500, May 73

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris)** 275:1139-42, 11 Sep 72 **(Fre)**

PHYSIOLOGY

[New findings on hypothalamic hormones] Presl J. **Cesk Gynekol** 38:373-4, Jun 73 **(Cze)**

SECRETION

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol** 35:305-28, 1973 (108 ref.)

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res** 54:1-29, 17 May 73

Short-loop ("internal") pituitary-hypothalamus gonadotropin feedback in the human. Szontágh FE. **Endocrinol Exp (Bratisl)** 7:65-7, 1973

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr** 83:187-200, Aug 73

Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit. Foxcroft GR, et al. **J Reprod Fertil** 33:367-77, Jun 73

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology** 12:73-85, 1973

Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al. **Neuroendocrinology** 11:370-4, 1973

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology** 12:41-51, 1973

[Gonadotropic effect of Sulpiride: initiation to a new contraceptive method] Gasnault JP, et al. **Lille Med** 18:76-80, Jun 73 **(Fre)**

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al. **Rev Prat** 23:865-76, 21 Feb 73 **(Fre)**

[Pituitary hormones] Matsukura S, et al. **Clin Endocrinol (Tokyo)** 21:1-6, Jan 73 (36 ref.) **(Jap)**

[Female gonadal gland] Nakayama T. **Clin Endocrinol (Tokyo)** 21:35-40, Jan 73 (15 ref.) **(Jap)**

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN. **Probl Endokrinol (Mosk)** 19:54-7, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. **Probl Endokrinol (Mosk)** 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) **(Rus)**

[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al. **Probl Endokrinol (Mosk)** 19:87-93, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. **Am J Obstet Gynecol** 116:706-10, 1 Jul 73

A nursing care study; primary amenorrhoea. Flynn M. **Aust Nurses J** 2:21-3, Apr 73

URINE

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al. **Am J Obstet Gynecol** 116:706-10, 1 Jul 73

Intraseliar or pituitary abscess. Lindholm J, et al. **J Neurosurg** 38:616-9, May 73

Response of pituitary gonadotrophin excretion to audiostimulation of normal male subjects. Beardwood CJ. **S Afr Med J** 47:938, 9 Jun 73

[Cushing's disease with pituitary tumor] Vallotton MB, et al. **Ann Endocrinol (Paris)** 33:361-6, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Functional exploration of the ovary. Physiological, biological, and clinical aspects] Labadie P. **Rev Prat** 22:4533-64, 11 Dec 72 **(Fre)**

LH

Interaction of 1,8-ANS with human luteinizing hormones: a probe for subunit interactions of hCG and hLH. **Arch Biochem Biophys** 155:478-9, Apr 73

Polymorphism of protein and polypeptide hormones. Franchimont P, et al. **Clin Endocrinol (Oxf)** 1:315-36, Oct 72

The relationship of the activity of gonadotrophins to their structures. Kennedy JF. **Endocrinol Exp (Bratisl)** 7:5-17, 1973

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. **Endocrinol Exp (Bratisl)** 7:19-36, 1973 (98 ref.)

Preparation and specificity of antiserum to synthetic secretin and its use in a radioimmunoassay (RIA). Boden G, et al. **Endocrinology** 92:1617-24, Jun 73

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al. **Endocrinology** 92:1714-24, Jun 73

Preparation and properties of 125-I-LHRH. Miyachi Y, et al. **Endocrinology** 92:1725-30, Jun 73

Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat. Negro-Vilar A, et al. **Endocrinology** 92:1680-4, Jun 73

Release of LH by LRF injected into the CSF: a transport role for the median eminence. Ondo JG, et al. **Endocrinology** 93:231-7, Jul 73

Effect of synthetic LRF infused into a hypophysial portal vessel on gonadotropin release. Ondo JG, et al. **Endocrinology** 93:205-9, Jul 73

Comparison of chorionic gonadotropin and luteinizing hormone: a note on a proposed significant structural difference in the beta subunit. Morgan FJ, et al. **FEBS Lett** 31:101-3, 1 Apr 73

Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Keller PJ, et al. **Horm Metab Res** 5:64-5, Jan 73

The mechanism of inhibition of luteal function by heterologous antisera. Rao SS, et al. **Indian J Med Res** 60:1220-6, Aug 72

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem** 248:5042-9, 25 Jul 73

Preparation and characterization of plasma membranes from bovine corpus luteum. Gospodarowicz D. **J Biol Chem** 248:5050-6, 25 Jul 73

Metabolism of 125 I-luteinizing hormone-releasing

hormone. Miyachi Y, et al.
J Clin Endocrinol Metab 37:63-7, Jul 73
Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al.
J Clin Endocrinol Metab 37:160-2, Jul 73
Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73
Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al.
J Med Chem 16:545-9, May 73
Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73
Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al.
J Physiol (Lond) 231:32P-34P, May 73
Intranasal L.H.-releasing hormone. London DR, et al.
Lancet 1:1450, 23 Jun 73
Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73
Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. Proc Soc Exp Biol Med 143:422-6, Jun 73
Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al.
Science 181:177-9, 13 Jul 73

ADMINISTRATION & DOSAGE

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73
The effects of luteinizing hormone, oestrogen and ovariectomy on the agonistic behaviour of female Quelea quelea. Lazarus J, et al.
Anim Behav 21:49-60, Feb 73

ANALYSIS

The primary structure of ovine interstitial cell-stimulating hormone. I. The -subunit. Sairam MR, et al. Arch Biochem Biophys 153:554-71, Dec 72
The primary structure of ovine interstitial cell-stimulating hormone. II. The -subunit. Sairam MR, et al. Arch Biochem Biophys 153:572-86, Dec 72
Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. Biol Reprod 8:515-22, Jun 73
Bioassay and immunoassay of gonadotrophins: routine procedures. Butt WR, et al.
Endocrinol Exp (Bratisl) 7:43-8, 1973
Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Lloyd RV, et al.
Endocrinology 92:1639-51, Jun 73
Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. Gen Comp Endocrinol 20:490-7, Jun 73
Sexual dimorphism in the primary immune response of the Syrian hamster. Blazkovec AA, et al.
Int Arch Allergy Appl Immunol 44:274-93, 1973
The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. J Biol Chem 248:4327-33, 25 Jun 73
Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. J Endocrinol 57:199-206, May 73
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73
The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al.
J Reprod Fertil 33:441-50, Jun 73
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73
Health information in the mass media: the case of chorionic gonadotropin and obesity. De Kretser DM.
Med J Aust 1:462, 3 Mar 73
Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al.
Physiol Behav 10:369-72, Feb 73
Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73
[Primary structure of the subunits of luteinizing hormone (LH); a comparison of amino acid sequence of the alpha and beta chains of LH of ovine, bovine, procine and human origin] Closset J, et al.
Arch Int Physiol Biochim 81:174-6, Feb 73 (Fre)
[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al.
C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 (Fre)
[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)
[Studies on the identity of typical pregnancy proteins using HCG and LH] Straube W, et al.
Zentralbl Gynaekol 95:552-7, 20 Apr 73 (Ger)
[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H.
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)
[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN.
Probl Endokrinol (Mosk) 19:54-7, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al.
Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. Endocrinol Exp (Bratisl) 7:69-74, 1973
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73

BIOSYNTHESIS

Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al.
Biochem Biophys Res Commun 52:64-73, 1 May 73

BLOOD

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al.
Acta Endocrinol (Kbh) 73:11-21, May 73
Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al.
Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72
Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73
Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73
Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate women with and without ovarian follicles. Goldenberg RL, et al. Am J Obstet Gynecol 116:1003-12, 1 Aug 73
Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73
Effect of quinestrol administered with clomiphene citrate on serum follicle-stimulating hormone and luteinizing hormone and on other clinical findings. Seki M, et al. Am J Obstet Gynecol 116:388-96, 1 Jun 73
Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al.
Annu Rev Med 24:295-302, 1973
Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al.
Biochem Biophys Res Commun 52:64-73, 1 May 73
Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72
Measurement of progesterone in human plasma. Horth CE, et al. Clin Endocrinol (Oxf) 1:199-207, Apr 72
Variations of luteinizing hormone (LH) and blood platelets levels and preovulatory changes in vagina and cervix during the ovulatory cycle. Altmann P, et al. Endocrinol Exp (Bratisl) 7:137-40, 1973

LIBRARY UL OF L. URBANA-CHAMPAIGN

Serum estradiol and LH during normal and induced menstrual cycles. Gitsch E, et al. **Endocrinol Exp (Bratisl) 7:53-8, 1973**

FSH, LH and testosterone blood level in patients with psychogenic impotence. Legros JJ, et al. **Endocrinol Exp (Bratisl) 7:59-64, 1973**

Rapid timing of imminent ovulation in sterility patients. Spona J. **Endocrinol Exp (Bratisl) 7:125-8, 1973**

Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al. **Endocrinol Exp (Bratisl) 7:80-4, 1973**

Barbiturate blockade of tonic LH secretion in the male and female rat. Beattie CW, et al. **Endocrinology 92:1634-8, Jun 73**

Plasma LH changes following cortical spreading depression in female rats. Colombo JA, et al. **Endocrinology 93:182-7, Jul 73**

The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. **Endocrinology 92:1736-9, Jun 73**

Induced LH surges in the rhesus monkey: strength-duration characteristics of the estrogen stimulus. Karsch FJ, et al. **Endocrinology 92:1740-7, Jun 73**

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al. **Endocrinology 92:1714-24, Jun 73**

Temporal relationship of spontaneous and coitus-induced release of luteinizing hormone in the normal cyclic rat. Moss RL, et al. **Endocrinology 92:1748-53, Jun 73**

Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat. Negro-Vilar A, et al. **Endocrinology 92:1680-4, Jun 73**

Release of LH by LRF injected into the CSF: a transport role for the median eminence. Ondo JG, et al. **Endocrinology 93:231-7, Jul 73**

Effect of synthetic LRF infused into a hypophysial portal vessel on gonadotropin release. Ondo JG, et al. **Endocrinology 93:205-9, Jul 73**

Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. O'Reilly PJ, et al. **Endocrinology 92:1575-8, Jun 73**

Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al. **Endocrinology 93:96-106, Jul 73**

Changes in water and electrolytes in human cervical mucus during treatment with chlormadinone acetate. Kosasky HJ, et al. **Fertil Steril 24:507-11, Jul 73**

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al. **Folia Primatol (Basel) 19:24-7, 1973**

Serum LH concentration in women under contraceptive treatment with estrogen-free progestagens. Garmendia F, et al. **Horm Metab Res 5:134-8, Mar 73**

Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Keller PJ, et al. **Horm Metab Res 5:64-5, Jan 73**

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL. **J Am Geriatr Soc 21:271-4, Jun 73**

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci 36:1149-57, Jun 73 (75 ref.)**

Further studies of gonadotropin and estradiol secretion during the preovulatory phase of the human menstrual cycle. Korenman SG, et al. **J Clin Endocrinol Metab 36:1205-9, Jun 73**

Evidence for circulating alpha subunits of pituitary gonadotropins in plasma. Laburthe MC, et al. **J Clin Endocrinol Metab 37:156-9, Jul 73**

The effect of a single dose of L-dopa on pituitary hormones in acromegaly, obesity, and in normal subjects. Mims RB, et al. **J Clin Endocrinol Metab 37:34-9, Jul 73**

Nocturnal patterns of serum gonadotropins during the menstrual cycle. Naftolin F, et al. **J Clin Endocrinol Metab 37:6-10, Jul 73**

Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al. **J Clin Endocrinol Metab 36:1097-9, Jun 73**

Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al. **J Clin Endocrinol Metab 37:160-2, Jul 73**

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab 37:68-73, Jul 73**

Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al. **J Clin Endocrinol Metab 37:152-5, Jul 73**

Preovulatory levels of luteinizing hormone, the critical period and ovulation in rats. Greig F, et al. **J Endocrinol 57:235-45, May 73**

Plasma oestradiol, luteinizing hormone and progesterone during the oestrous cycle in the Beagle bitch. Jones GE, et al. **J Endocrinol 57:331-2, May 73**

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. **J Med Chem 16:373-7, Apr 73**

Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Alyer MS, et al. **J Physiol (Lond) 231:32P-34P, May 73**

Heterologous radioimmunoassay of circulating ovine FSH in normal ewes. Hopkinson C, et al. **J Physiol (Lond) 231:52P-53P, May 73**

Daily rhythms of LH release in quail when gonadal development is initiated by long daylengths. Nicholls TJ, et al. **J Reprod Fertil 33:363-4, May 73**

Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. **J Reprod Fertil 33:310-3, May 73**

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol 5:1-8, 1973**

Intranasal application of luteinising-hormone releasing hormone. Solbach HG, et al. **Lancet 1:1259, 2 Jun 73**

Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. **Life Sci [II] 12:513-9, 8 Jun 73**

Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. **Metabolism 22:875-84, Jul 73**

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. **N Engl J Med 289:282-6, 9 Aug 73**

Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al. **Neuroendocrinology 12:86-97, 1973**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al. **Neuroendocrinology 10:309-15, 1972**

Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al. **Neuroendocrinology 12:1-16, 1973**

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology 12:73-85, 1973**

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. **Neuroendocrinology 11:328-37, 1973**

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology 12:41-51, 1973**

Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. **Neuroendocrinology 10:261-72, 1972**

Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S. **Obstet Gynecol 41:809-17, Jun 73**

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. **Obstet Gynecol 41:803-8, Jun 73**

Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone. Bronson FH. **Physiol Behav 10:947-51, May 73**

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. **Physiol Behav 10:369-72, Feb 73**

The effects of ahemeral light and dark cycles on egg

production in the fowl. Morris TR.
Poult Sci 52:423-45, Mar 73 (38 ref.)
Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. Science 179:484-6, 2 Feb 73
Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al.
Steroids 21:703-22, May 73
[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al.
Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Effects of synthetic TRH in normal subjects] Jaquet P, et al.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)
[Influence of coitus on blood levels of FSH and LH in the female rabbit] Dufy-Barbe L, et al.
J Physiol (Paris) 65:Suppl 3:394A+, 1972 (Fre)
[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)
[Age and endocrine function of the testes in adult man] Nieschlag E, et al.
Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)
[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Eng. Abstr.) (Ger)
[Radioimmunologic serum LH determination for the timing of ovulation] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:297-302, Apr 73 (Eng. Abstr.) (Ger)
[Effects of partial components of a contraceptive agent on the function of the menstrual cycle] Schneider W, et al. Med Klin 68:510-5, 20 Apr 73 (Eng. Abstr.) (Ger)
[Effects of a contraceptive agent on the function of the peripheral and central menstrual cycle] Spona J, et al.
Med Klin 68:505-9, 20 Apr 73 (Eng. Abstr.) (Ger)
[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al.
Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)
[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

DIAGNOSTIC USE

Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al.
Neth J Med 16:111-5, 1973
[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al.
Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)
[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H.
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

METABOLISM

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al.
Biochim Biophys Acta 297:540-8, 28 Feb 73
Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73
Preparation and properties of 125-I-LHRH. Miyachi Y, et al. Endocrinology 92:1725-30, Jun 73
Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. O'Reilly PJ, et al. Endocrinology 92:1575-8, Jun 73
Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. J Endocrinol 57:199-206, May 73
Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. Life Sci [II] 12:513-9, 8 Jun 73
Hormone fragments, subunits and polymers: are they biologically significant or chemical artifacts? Franchimont P. Proc R Soc Med 66:446-7, May 73
Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al.
Tohoku J Exp Med 108:199-206, Nov 72
[Hemato-testicular barrier] Raĭtsina SS, et al.
Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)

PHARMACODYNAMICS

The effects of luteinizing hormone, oestrogen and ovariectomy on the agonistic behaviour of female Quelea quelea. Lazarus J, et al.
Anim Behav 21:49-60, Feb 73
Effects of gonadotropic hormones on rat ovarian lysosomes. Dimino MJ, et al.
Biol Reprod 8:523-30, Jun 73
Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL.
Biol Reprod 8:618-24, Jun 73
Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73
Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73
Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al.
Endocrinology 93:127-34, Jul 73
Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale. Jones RE.
Gen Comp Endocrinol 20:567-71, Jun 73
Induction of spermiation in anurans by mammalian pituitary gonadotropins and their subunits. Licht P.
Gen Comp Endocrinol 20:522-9, Jun 73
Relative potencies of purified mammalian gonadotropins on the uptake of radiophosphorus by chick testes. Licht P.
Gen Comp Endocrinol 20:592-4, Jun 73
Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. Gen Comp Endocrinol 20:467-73, Jun 73
The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. J Biol Chem 248:4327-33, 25 Jun 73
Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. J Biol Chem 248:5042-9, 25 Jul 73
Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al.
J Endocrinol 57:299-305, May 73
The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al.
J Endocrinol 57:207-15, May 73
Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. J Endocrinol 57:217-33, May 73
Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al.
J Exp Zool 184:369-82, Jun 73
The effects of aging on in vitro fertilization of rabbit eggs and subsequent embryonic development. Fraser LR, et al. J Exp Zool 184:303-12, Jun 73
Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al.
Proc Natl Acad Sci USA 70:792-6, Mar 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. C R Acad Sci [D] (Paris) 275:1449-52, 25 Sep 72 (Fre)

PHYSIOLOGY

Subunits of human chorionic gonadotrophin: an immunochemical study. Donini S, et al. Acta Endocrinol (Kbh) 73:133-45, May 73

Cyclical wheel-running behavior in pregnant rats. Chiszar D, et al. Behav Biol 8:399-405, Mar 73

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. J Anim Sci 36:1149-57, Jun 73 (75 ref.)

[New findings on hypothalamic hormones] Presl J. Cesk Gynekol 38:373-4, Jun 73 (Cze)

[LH releasing factor] Friedrich F. Hippokrates 44:115-6, Mar 73 (Ger)

[Physiologic menstruation cycle. Opinion of Prof. Mainaldo Maneschi] Salvati A. Minerva Med 64:529-31, 3 Mar 73 (Ita)

SECRETION

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. Adv Intern Med 18:303-23, 1972 (38 ref.)

Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Nakayama I, et al. Am J Pathol 71:279-94, May 73

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Comparative physiology: pineal gland. Reiter RJ. Annu Rev Physiol 35:305-28, 1973 (108 ref.)

Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al. Australas Radiol 22:1718-21, Oct 72

Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al. Biochem Biophys Res Commun 52:967-73, 8 Jun 73

Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism. Johansson KN, et al. Biochem Biophys Res Commun 53:502-7, 17 Jul 73

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al. Biochem Biophys Res Commun 52:786-91, 8 Jun 73

Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ. Biochim Biophys Acta 304:560-9, 28 Apr 73

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. Endocrinol Exp (Bratisl) 7:69-74, 1973

Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al. Endocrinology 93:96-106, Jul 73

In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. FEBS Lett 32:49-51, 15 May 73

In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages. Spona J, et al. FEBS Lett 32:52-4, 15 May 73

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. Gen Comp Endocrinol 20:490-7, Jun 73

Nocturnal patterns of serum gonadotropins during the menstrual cycle. Naftolin F, et al. J Clin Endocrinol Metab 37:6-10, Jul 73

Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al. J Med Chem 16:369-73, Apr 73

Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al. J Med Chem 16:545-9, May 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al. J Med Chem 16:373-7, Apr 73

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al. J Neural Transm 34:11-22, 1973

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Alyer MS, et al. J Physiol (Lond) 231:32P-34P, May 73

Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. J Reprod Fertil 33:310-3, May 73

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. N Engl J Med 289:282-6, 9 Aug 73

Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al. Neth J Med 16:111-5, 1973

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al. Neuroendocrinology 10:309-15, 1972

Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al. Neuroendocrinology 12:1-16, 1973

Effect of serotonin on ovulation induced by pinealectomy in anovulatory frontal-deafferented rats. Tima L, et al. Neuroendocrinology 12:149-52, 1973

Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. Neuroendocrinology 10:261-72, 1972

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. Obstet Gynecol 41:803-8, Jun 73

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. Physiol Behav 10:369-72, Feb 73

The hormones of the hypothalamus. Guillemin R, et al. Sci Am 227:24-33, Nov 72

Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. Science 179:484-6, 2 Feb 73

Reproductive function in the human male. Report of a WHO scientific group. WHO Tech Rep Ser 520:1-34, 1973

[Malignant hepatoma with amenorrhea and galactorrhea. Disappearance of the endocrine syndrome following right hepatectomy] Couinaud C, et al. Ann Chir 27:151-6, Feb 73 (Eng. Abstr.) (Fre)

[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al. Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)

[Endocrinology in 1973] Bricaire H, et al. Rev Prat 23:825-63, 21 Feb 73 (Fre)

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)

[Sexual cycle in women] Fijalkowski W. Pielg Poloxna 5:6-7 passim, May 73 (Pol)

[Treatment of pituitary adenomas with chlorpromazine] Martín Zurro A, et al. Rev Clin Esp 129:269-72, 15 May 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ. Am J Obstet Gynecol 116:698-705, 1 Jul 73

Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al. Fertil Steril 24:485-6, Jun 73

URINE

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena

BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)
Failure to demonstrate urinary excretion of luteinizing hormone-releasing factor activity in the rat following intravenous injection of porcine hypothalamic extract. Gordon JH, et al.
Endocrinology 93:259-61, Jul 73
Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG). Bagshawe KD, et al.
J Obstet Gynaecol Br Commonw 80:461-8, May 73
Effect of oral cyproterone acetate on urinary FSH and LH levels in adult males being treated for hypersexuality. Brotherton J, et al.
J Reprod Fertil 33:256-7, May 73
Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al.
Tohoku J Exp Med 109:29-39, Jan 73
[Urinary luteinizing hormone (LH) elimination during the estrus cycle in the female rat] Berthelay S, et al.
C R Soc Biol (Paris) 166:319-22, 9 Nov 72 (Fre)
[Urinary elimination of gonadotropins in children during the prepubertal period] Moussier P, et al.
J Physiol (Paris) 65:Suppl 3:457A+, 1972 (Fre)
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
[Urinary estrogen excretion in preneoplastic breast diseases] Kozhnazarova IuS, et al.
Vopr Onkol 18:23-6, 1972 (Eng. Abstr.) (Rus)
[Urinary excretion of luteinizing hormone during diminished and lost ovarian function] Stankovski M, et al.
God Zb Med Fak Skopje 18:195-205, 1972 (Eng. Abstr.) (Ser)
[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al.
Ginecol Obstet (Lima) 33:301-11, Mar 73 (Eng. Abstr.) (Spa)

LIPOTROPIN

ANALYSIS

Demonstration by immunofluorescence of the lipotropic hormone-LPH in bovine, ovine and procine adenohypophysis. Dubois MP, et al.
Horm Metab Res 5:229, May 73

BIOSYNTHESIS

[Detection of lipotropin-synthesizing cells by the fluorescent antibody technic] Dessy C, et al.
C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73 (Fre)

MENOTROPINS

PHARMACODYNAMICS

Human sperm capacitation and in vitro fertilization. Soupart P, et al. Fertil Steril 24:462-78, Jun 73

THERAPEUTIC USE

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al.
Am J Obstet Gynecol 116:706-10, 1 Jul 73
Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73
Human sperm capacitation and in vitro fertilization. Soupart P, et al. Fertil Steril 24:462-78, Jun 73
Results of treatments of infertile women with defective luteal phases by human menopausal gonadotrophin and human chorionic gonadotrophin. Cooke ID. J Reprod Fertil 33:355, May 73
Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S.
Obstet Gynecol 41:809-17, Jun 73
[Treatment of secretory male sterility. Gonadotropins? Mesterolone? Arginine? Quid agendum?] Giarola A, et al. Gynecol Prat 23:173-5, 1972 (Fre)

MSH

ADMINISTRATION & DOSAGE

Synthetic -melanocyte-stimulating hormone and mouse behaviour. Segawa T, et al.
Jap J Pharmacol 23:121-3, Feb 73
Melanocyte stimulating hormone in learning and extinction of two problems. Stratton LO, et al.
Physiol Behav 10:689-92, Apr 73

BIOSYNTHESIS

Dispersed cell culture of bovine pars intermedia. Piezzi RS. Experientia 29:697-8, 15 Jun 73
[Detection of lipotropin-synthesizing cells by the fluorescent antibody technic] Dessy C, et al.
C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73 (Fre)

BLOOD

MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Carrillo AJ, et al.
Neuroendocrinology 12:120-8, 1973

ISOLATION & PURIFICATION

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al.
Biochem Biophys Res Commun 52:1314-9, 19 Jun 73
The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins. Baker BI. J Endocrinol 57:393-404, Jun 73

METABOLISM

MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Carrillo AJ, et al.
Neuroendocrinology 12:120-8, 1973

PHARMACODYNAMICS

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al.
Biochem Biophys Res Commun 52:1314-9, 19 Jun 73
Role of calcium and prostaglandin (PGE 1) in the MSH-induced activation of adenylate cyclase in Xenopus laevis. Veerdonk FC van de, et al.
Biochem Biophys Res Commun 52:130-6, 1 May 73
A new extrapigmentary effect of alpha-MSH. Promotion of sodium uptake in the heart of toads and rats. Iturriza FC, et al. Horm Metab Res 5:143-4, Mar 73
Synthetic -melanocyte-stimulating hormone and mouse behaviour. Segawa T, et al.
Jap J Pharmacol 23:121-3, Feb 73
General activity in intact and hypophysectomized rats after administration of melanocyte-stimulating hormone (MSH), melatonin, and PRO-LEU-GLY-NH 2 . Kastin AJ, et al. Physiol Behav 10:399-401, Feb 73
Melanocyte stimulating hormone in learning and extinction of two problems. Stratton LO, et al.
Physiol Behav 10:689-92, Apr 73

PHYSIOLOGY

[Occurrence of blue sclera during mental diseases and its causes] Gebel L.
Wiad Lek 26:945-9, 15 May 73 (36 ref.) (Pol)

SECRETION

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
Structure-activity studies of MSH-release-inhibiting hormone. Celis ME, et al. FEBS Lett 27:327-30, 1 Nov 72
Effects of pharmacological agents on the in vivo release of melanophore-stimulating hormone in the dogfish, Scyliorhinus canicula. Wilson JF, et al.
Gen Comp Endocrinol 20:556-66, Jun 73
General activity in intact and hypophysectomized rats after administration of melanocyte-stimulating hormone (MSH), melatonin, and PRO-LEU-GLY-NH 2 . Kastin AJ, et al. Physiol Behav 10:399-401, Feb 73
[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 (Fre)
[Hypothalamic regulation of anterior pituitary

LIBRARY UL OF L. URBANA-CHAMPAIGN

secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

THERAPEUTIC USE

[Therapeutic effect of carp pituitary hormones in the alopecia syndrome] Kubányi E.
Dermatol Monatsschr 159:56-8, Jan 73 (Ger)

NEUROPHYSINS

An autoradiographic analysis of hypothalamic magnocellular neurons. Scott DE, et al.
Z Zellforsch Mikrosk Anat 138:421-37, 17 Apr 73

ANALYSIS

Fluorometric assay of proteins in the nanogram range. Böhlen P, et al.
Arch Biochem Biophys 155:213-20, Mar 73

BLOOD

Human neurophysine blood levels under normal, experimental and pathological conditions. Legros JJ, et al. Clin Endocrinol (Oxf) 1:99-113, Jan 72
Observations on the release and clearance of neurophysin and the neurohypophysial hormones in the rat. Forsling ML, et al.
J Endocrinol 57:307-15, May 73
[Effect of muscular exercise on neurophysin plasma level in humans] Legros JJ, et al.
C R Soc Biol (Paris) 166:1391-3, 1972 (Fre)

ISOLATION & PURIFICATION

The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins. Baker BI. J Endocrinol 57:393-404, Jun 73

METABOLISM

Neurophysin binding of vasopressin analogues altered at the NH 2 - and COOH-terminal positions. Kluh I, et al. Mol Pharmacol 9:414-20, May 73

PHYSIOLOGY

[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

SECRETION

[New data in favor of neurohypophyseal hormone secretion by exocytosis] Grau JD, et al.
J Physiol (Paris) 65:Suppl 3:417A, 1972 (Fre)

OXYTOCICS

PHARMACODYNAMICS

[Effect of ODA 914 (desamino-oxytocin) on the puerperal bovine uterus] Arbeiter K, et al.
Wien Tieraerztl Monatsschr 60:129-33, Apr 73 (Eng. Abstr.) (Ger)

OXYTOCIN

Use of laminaria tents with hypertonic saline amnioinfusion. Lischke JH, et al.
Am J Obstet Gynecol 116:586-7, 15 Jun 73
Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
Evaluation of S-benzyl- L -cysteine-4'-nitroanilide as a substrate for serum cystine aminopeptidase. Tovey JE, et al. Clin Chem 19:756-61, Jul 73
Changes in the appearance of hypothalamo-neurohypophysial neurosecretory granules associated with their maturation. Cannata MA, et al. J Endocrinol 57:531-8, Jun 73
Proton magnetic resonance study of peptide conformation: effect of trifluoroethanol on oxytocin and 8-lysine-vasopressin. Walter R, et al.
Proc Natl Acad Sci USA 70:1196-203, Apr 73
[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)
[Initial experiences with prostaglandin F2 in induced abortion] Igel H, et al.
Zentralbl Gynaekol 95:353-7, 16 Mar 73 (Ger)

ADMINISTRATION & DOSAGE

Five thousand consecutive saline inductions. Kerenyi TD, et al. Am J Obstet Gynecol 116:593-600, 1 Jul 73
Fetal monitoring in high-risk pregnancy. Tchilinguirian NG. Clin Obstet Gynecol 16:329-46, Mar 73
Therapeutic abortion employing the synergistic action of extra-amniotic prostaglandin E 2 and an intravenous infusion of oxytocin. Morewood GA.
J Obstet Gynaecol Br Commonw 80:473-5, May 73
Early medical complications of abortion by saline: joint program for the study of abortion (JPSA). Tietze C, et al. Stud Fam Plann 4:133-8, Jun 73
Prevention of retained foetal membranes in cattle. Curtis RA. Vet Rec 92:291-2, 17 Mar 73
[The induction or stimulation of labor with the Harvard pump] Mercier G, et al.
Union Med Can 102:106-8, Jan 73 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Iatrogenic fetal distress. Schifrin BS.
Int Anesthesiol Clin 11:119-40, Summer 73

ANTAGONISTS & INHIBITORS

Inhibition of the effect of oxytocin by methoxyflurane in vitro. Rosenberg PH.
Can Anaesth Soc J 20:559-65, Jul 73
Milk ejection in the rat: the result of a selective release of oxytocin. Wakerley JB, et al.
J Endocrinol 57:557-8, Jun 73
[Sodium thioglycolate and hypothalamo-neurohypophysial hormones] Holder FC. Experientia 29:487-8, 15 Apr 73 (Fre)

BLOOD

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73
Observations on the release and clearance of neurophysin and the neurohypophysial hormones in the rat. Forsling ML, et al.
J Endocrinol 57:307-15, May 73
Release of vasopressin without oxytocin by nicotine injected into the cerebral ventricles of anaesthetized cats. Bisset GW, et al.
J Physiol (Lond) 231:36P-37P, May 73
Studies on the endocrinology of parturition in the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:361-2, May 73
Milk ejection during alcohol anaesthesia in the rat. Lincoln DW. Nature 243:227-9, 25 May 73

CHEMICAL SYNTHESIS

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
Synthesis of oxytocin: suppression of dimer formation. Wälti M, et al. Experientia 29:389, 15 Apr 73

DIAGNOSTIC USE

[Evaluation of fetal maturity and fetal risk] Colette C, et al. Nouv Presse Med 1:2807-10, 25 Nov 72 (Fre)
[Fetal heart rate during pregnancy. Oxytocin test and atropine test] Crimail P, et al.
Rev Fr Gynecol Obstet 67:749-61, Dec 72 (Fre)

PHARMACODYNAMICS

Five thousand consecutive saline inductions. Kerenyi TD, et al. Am J Obstet Gynecol 116:593-600, 1 Jul 73
Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
A clinical study of serum magnesium concentrations during anaesthesia and cardiopulmonary bypass. Calverley RK, et al.
Can Anaesth Soc J 20:499-518, Jul 73
Inhibition of the effect of oxytocin by methoxyflurane in vitro. Rosenberg PH.
Can Anaesth Soc J 20:559-65, Jul 73
Fetal monitoring in high-risk pregnancy. Tchilinguirian NG. Clin Obstet Gynecol 16:329-46, Mar 73

Influence of glucagon and neurohypophysial hormones on plasma free fatty acid levels in the pigeon. John TM, et al. Comp Biochem Physiol [A] 45:541-7, 1 Jun 73
An attempt to demonstrate endocrine cells in the rat thymus. Csaba G.
Endocrinol Exp (Bratisl) 7:99-106, 1973
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Effect of glomerulopressin, oxytocin, and norepinephrine on glomerular pressure in the toad. Uranga J. Gen Comp Endocrinol 20:515-21, Jun 73
Effect of oxytocin and epinephrine on the adenylate cyclase activity of myometrium from pregnant Rhesus monkeys. Beatty CH, et al.
Horm Metab Res 5:213-5, May 73
Milk ejection in the rat: the result of a selective release of oxytocin. Wakerley JB, et al.
J Endocrinol 57:557-8, Jun 73
Effects of lactation, suckling and oxytocin on post-partum ovulation and oestrus in ewes. Fletcher IC. J Reprod Fertil 33:293-8, May 73
Milk ejection during alcohol anaesthesia in the rat. Lincoln DW. Nature 243:227-9, 25 May 73
Effects of prostaglandins PGE 2 and PGF 2 on the adenyl cyclase activity of various segments of the immature rabbit oviduct and uterus. Lerner LJ, et al.
Proc Soc Exp Biol Med 143:536-9, Jun 73
Urinary oestrogens in cows treated with oxytocin during met-oestrus. Lunaas T.
Res Vet Sci 14:124-6, Jan 73
[Effect of oxytocin on repetitive electrical activity and transmembrane currents of uterine smooth muscle fascia] Mironneau J, et al.
J Physiol (Paris) 65:Suppl 3:450A+, 1972 (Fre)
[Effect of ODA 914 (desamino-oxytocin) on the puerperal bovine uterus] Arbeiter K, et al.
Wien Tieraerztl Monatsschr 60:129-33, Apr 73 (Eng. Abstr.) (Ger)
[Changes in the oxidation-reduction processes in certain rat organs and tissues under the effect of oxytocin] Siver PIa.
Probl Endokrinol (Mosk) 19:93-5, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Effect of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and E 1 and E 2 prostaglandins] Bondani A, et al.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Eng. Abstr.) (Spa)

SECRETION

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73
The milk-ejection reflex of the rat: an intermittent function not abolished by surgical levels of anaesthesia. Lincoln DW, et al.
J Endocrinol 57:459-76, Jun 73
Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. Morris JF, et al.
J Endocrinol 57:517-29, Jun 73
Milk ejection in the rat: the result of a selective release of oxytocin. Wakerley JB, et al.
J Endocrinol 57:557-8, Jun 73
The milk-ejection reflex of the rat: a 20- to 40-fold acceleration in the firing of paraventricular neurones during oxytocin release. Wakerley JB, et al.
J Endocrinol 57:477-93, Jun 73
[New data in favor of neurohypophyseal hormone secretion by exocytosis] Grau JD, et al.
J Physiol (Paris) 65:Suppl 3:417A, 1972 (Fre)
[Reduction of neurohypophyseal secretion by cobalt, manganese and D600] Nordmann JJ, et al.
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)

THERAPEUTIC USE

Effects on the neonate of the induction of labor with prostaglandin F 2 and oxytocin. Blackburn MG, et al.
Am J Obstet Gynecol 116:847-53, 15 Jul 73
Normal pregnancy and successful delivery in myophosphorylase deficiency (McArdle's disease). Cochrane P, et al.
J Neurol Neurosurg Psychiatry 36:225-7, Apr 73
Prevention of retained foetal membranes in cattle. Curtis RA. Vet Rec 92:291-2, 17 Mar 73

PHELYPRESSIN

THERAPEUTIC USE

The effectiveness of two local analgesic preparations in reducing haemorrhage during periodontal surgery. Newcomb GM, et al. J Dent 1:37-42, Oct 72

PITUITARY HORMONES

[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al.
Cas Lek Cesk 112:741-5, 1973 (Eng. Abstr.) (Cze)

ANALYSIS

Effect of light and darkness on the hypothalamo-neurohypophyseal system of the garden lizard, Calotes versicolor. Banerjee SK.
Experientia 29:713-4, 15 Jun 73

ANTAGONISTS & INHIBITORS

[Sodium thioglycolate and hypothalamo-neurohypophysial hormones] Holder FC. Experientia 29:487-8, 15 Apr 73 (Fre)

PHYSIOLOGY

[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al.
Endokrynol Pol 24:105-32, 1973 (136 ref.) (Pol)

SECRETION

The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73
[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

THERAPEUTIC USE

[Therapeutic effect of carp pituitary hormones in the alopecia syndrome] Kubányi E.
Dermatol Monatsschr 159:56-8, Jan 73 (Ger)

PITUITARY HORMONES, ANTERIOR

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72

ANALYSIS

Demonstration by immunofluorescence of the lipotropic hormone-LPH in bovine, ovine and procine adenohypophysis. Dubois MP, et al.
Horm Metab Res 5:229, May 73

BIOSYNTHESIS

[Detection of lipotropin-synthesizing cells by the fluorescent antibody technic] Dessy C, et al.
C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73 (Fre)

PHYSIOLOGY

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

SECRETION

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73
[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)
[Fine structure of the mouse median eminence during early stages of its ontogenesis] Beauvillain JC. Z Zellforsch Mikrosk Anat 139:201-15, 18 May 73 (Eng. Abstr.) (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

PITUITARY HORMONES, POSTERIOR

ADVERSE EFFECTS

[Drug-induced pulmonary granulomatosis] Akoun G, et al.
Rev Tuberc Pneumol (Paris) 36:785-804, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Case of pulmonary fibrosis following inhalation of posterior pituitary powder] Germouty J, et al.
Rev Tuberc Pneumol (Paris) 36:867-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life. Sawyer WH. **Fed Proc** 31:1609-14, Nov-Dec 72

SECRETION

Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. Morris JF, et al.
J Endocrinol 57:517-29, Jun 73

PROLACTIN

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Selective modification of tryptophan-149 in ovine pituitary lactogenic hormone. Kawauchi H, et al.
Biochemistry 12:2124-30, 22 May 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73

Early actions of prolactin on uridine metabolism in mammary gland explants. Rillema JA.
Endocrinology 92:1673-9, Jun 73

Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. **J Comp Physiol Psychol** 83:388-93, Jun 73

ANALYSIS

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)

Selective modification of tryptophan-149 in ovine pituitary lactogenic hormone. Kawauchi H, et al.
Biochemistry 12:2124-30, 22 May 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

Amniotic fluid assays in high-risk pregnancy. Rajan R.
Clin Obstet Gynecol 16:313-28, Mar 73 (58 ref.)

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73

Pituitary prolactin levels in larval, neotenic and metamorphosed salamanders (Ambystomia tigrinum). Norris DO, et al.
Gen Comp Endocrinol 20:427-42, Jun 73

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73

Prolactin content of canine pituitary gland. Saluja PG, et al. **J Endocrinol** 57:495-500, Jun 73

Porlactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al.
J Endocrinol 57:425-9, Jun 73

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. **J Endocrinol** 57:431-6, Jun 73

Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. **Science** 180:968-71, 1 Jun 73

ANTAGONISTS & INHIBITORS

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al.
Endocrinology 92:1667-72, Jun 73

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)

Prolactin inhibition and suppression of puerperal lactation by a Br-erocryptine (CB 154). A comparison with estrogen. Brun del Re R, et al.
Obstet Gynecol 41:884-90, Jun 73

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73

BIOSYNTHESIS

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

Porlactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al.
J Endocrinol 57:425-9, Jun 73

In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al.
J Nutr 103:1012-7, Jul 73

[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al.
Histochemie 33:121-7, 1973 (Eng. Abstr.) (Ger)

BLOOD

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73

Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al.
Am J Obstet Gynecol 116:377-87, 1 Jun 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. **Endocrinology** 92:1736-9, Jun 73

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al.
Endocrinology 92:1667-72, Jun 73

Elevation of plasma prolactin after hypophysial stalk section in the rat. Kanematsu S, et al.
Endocrinology 93:238-41, Jul 73

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al.
Endocrinology 92:1714-24, Jun 73

Effects of serotonin precursors and melatonin on serum prolactin release in rats. Lu KH, et al.
Endocrinology 93:152-5, Jul 73

Blockade of the dopamine-inhibitory control of prolactin secretion in rats by 3,4-dimethoxyphenylethylamine (3,4-di-O-methyldopamine). Smythe GA, et al.
Endocrinology 93:147-51, Jul 73

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

Plasma prolactin in breast cancer. Boyns AR, et al.
Eur J Cancer 9:99-102, Feb 73

The influence of electrical stimulation of the rat brain on serum prolactin levels. Gala RR, et al.
Experientia 29:355-6, 15 Mar 73
Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73
Serum prolactin and TSH: effects of nursing and pyroGlu-His-ProNH2 administration in postpartum women. Gautvik KM, et al.
J Clin Endocrinol Metab 37:135-9, Jul 73
Prolactin response to thyrotropin releasing hormone in normal subjects. Jacobs LS, et al.
J Clin Endocrinol Metab 36:1069-73, Jun 73
L-dopa suppression of TRH-stimulated prolactin release in man. Noel GL, et al.
J Clin Endocrinol Metab 36:1255-8, Jun 73
Sleep-related, nychthermeral and briefly episodic variation in human plasma prolactin concentrations. Parker DC, et al.
J Clin Endocrinol Metab 36:1119-24, Jun 73
Endocrine studies in anencephaly. Hayek A, et al.
J Clin Invest 22:1636-41, Jul 73
The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al.
J Endocrinol 57:207-15, May 73
Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. J Endocrinol 57:431-6, Jun 73
Porlactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al.
J Endocrinol 57:425-9, Jun 73
Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)
Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73
Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al.
Neuroendocrinology 12:86-97, 1973
Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al.
Neuroendocrinology 12:1-16, 1973
Prolactin inhibition and suppression of puerperal lactation by a Br-erocryptine (CB 154). A comparison with estrogen. Brun del Re R, et al.
Obstet Gynecol 41:884-90, Jun 73
The effects of drugs which modify catecholamine synthesis on serum prolactin in rats with median eminence lesions. Donoso AO, et al.
Proc Soc Exp Biol Med 143:360-3, Jun 73
Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73
[Human pituitary prolactin: radioimmunologic detection and level during pregnancy] L'Hermite M, et al.
Ann Endocrinol (Paris) 33:357-60, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Plasmatic concentrations of prolactin and thyrostimulating hormone during ewe milking: comparative study with effects of TRF] Kann G, et al.
C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 (Fre)
[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al.
Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72
Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)
The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73

METABOLISM

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73
Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)
Are some women's breast cancers androgen dependent? Flax H, et al. Lancet 1:1204-7, 2 Jun 73
The prolactin cell of the white-crowned sparrow, Zonotrichia leucophrys pugetensis. Mikami S, et al.
Z Zellforsch Mikrosk Anat 138:455-74, 1973

PHARMACODYNAMICS

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)
Selective modification of tryptophan-149 in ovine pituitary lactogenic hormone. Kawauchi H, et al.
Biochemistry 12:2124-30, 22 May 73
Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL.
Biol Reprod 8:618-24, Jun 73
Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73
Effects of hypophysectomy, pituitary autografts, prolactin, temperature and salinity of the medium on survival and natremia in the bullhead, Ictalurus melas. Chidambaram S, et al.
Comp Biochem Physiol [A] 43:443-57, 1 Oct 72
Studies on the possible regulation of plasma sodium by prolactin in amphibia. Crim JW.
Comp Biochem Physiol [A] 43:349-57, 1 Oct 72
Studies on water and ion movements in the isolated urinary bladder of selected freshwater, marine and euryhaline teleosts. Hirano T, et al.
Comp Biochem Physiol [A] 45:529-40, 1 Jun 73
The effect of prolactin on water influx in isolated gills of the goldfish, Carassius auratus L. Ogawa M, et al.
Comp Biochem Physiol [A] 44:1177-83, 1 Apr 73
Response of toad bladder to prolactin. Snart RS, et al.
Comp Biochem Physiol [A] 45:307-11, 1 Jun 73
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al.
Endocrinology 92:1667-72, Jun 73
Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73
Early actions of prolactin on uridine metabolism in mammary gland explants. Riliema JA.
Endocrinology 92:1673-9, Jun 73
Prolactin and thyroid hormone interactions in salt and water balance in the newt Notophthalmus viridescens. Brown PS, et al.
Gen Comp Endocrinol 20:455-66, Jun 73
Crop sac stimulating activity and mammary inhibition produced by a human placental protein. Castillo CE, et al. Horm Metab Res 5:129-33, Mar 73
The suppression of rejection of Nippostrongylus brasiliensis in Lewis strain rats treated with ovine prolactin. The site of the immunological defect. Kelly JD, et al. Immunology 24:551-8, Mar 73
Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. J Comp Physiol Psychol 83:388-93, Jun 73
The lactogenic effects of prolactin and growth hormone on mammary gland explants from virgin and pregnant Sprague-Dawley rats. Hallowes RC, et al.
J Endocrinol 57:253-64, May 73
The stimulation by prolactin and growth hormone of fatty acid synthesis in explants from rat mammary glands. Hallowes RC, et al.
J Endocrinol 57:265-76, May 73
Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al.
J Exp Zool 184:369-82, Jun 73
Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al.
Proc Natl Acad Sci USA 70:792-6, Mar 73
Hormone-independent DNA synthesis by epithelial cells of adult human mammary gland in organ culture. Flaxman BA, et al.
Proc Soc Exp Biol Med 143:371-4, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PROLACTIN

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Effect of hypophysectomy and prolactin treatment of gill N-acetyl-neuraminic acid content in the eel, Anguilla anguilla L] Lemoine AM.
C R Soc Biol (Paris) 166:268-73, 9 Nov 72 (Fre)

[Effect of growth hormone, norethandrolone, prolactin and the combination of 2 or 3 of these substances on the nitrogen balance in rats. Research on a summation effect] Elsair J, et al.
J Physiol (Paris) 65:Suppl 3:399A, 1972 (Fre)

PHYSIOLOGY

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med 23:1-18, 1972 (83 ref.)**

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

Effect of 2-Br- -ergokryptine (CB 154) on lactation in the bitch. Mayer P, et al.
Experientia 29:484-5, 15 Apr 73

Prolactin and osmoregulation in fishes. Ensor DM, et al.
Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)

Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life. Sawyer WH. **Fed Proc 31:1609-14, Nov-Dec 72**

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)

SECRETION

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med 18:363-87, 1972 (97 ref.)**

Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al.
Am J Obstet Gynecol 116:377-87, 1 Jun 73

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Comparative physiology: pineal gland. Reiter RJ.
Annu Rev Physiol 35:305-28, 1973 (108 ref.)

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73

Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al.
Clin Endocrinol (Oxf) 1:293-314, Jul 72

TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al.
Endocrinology 93:26-33, Jul 73

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

Effect of 2-Br- -ergokryptine (CB 154) on lactation in the bitch. Mayer P, et al.
Experientia 29:484-5, 15 Apr 73

Prolactin and osmoregulation in fishes. Ensor DM, et al.
Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)

Sleep-related, nychthermeral and briefly episodic variation in human plasma prolactin concentrations. Parker DC, et al.
J Clin Endocrinol Metab 36:1119-24, Jun 73

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. **J Endocrinol 57:431-6, Jun 73**

Prolactin response to hypoglycaemia. Copinschi G, et al. **Lancet 1:946, 28 Apr 73**

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73

Enzymatic synthesis of prolactin-releasing factor (PRF) by rat hypothalamic incubates and by extracts of rat hypothalamic tissue: evidence for "PRF synthetase". Mitnick MA, et al.
Proc Soc Exp Biol Med 143:418-21, Jun 73

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73

[Ultrastructural study of adenomas secreting prolactin] Le Beau J, et al.
Ann Endocrinol (Paris) 33:353-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Human pituitary prolactin: radioimmunologic detection and level during pregnancy] L'Hermite M, et al.
Ann Endocrinol (Paris) 33:357-60, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Effect of L-Dopa on the secretion of prolactin in eels] Olivereau M, et al.
C R Acad Sci [D] (Paris) 276:1325-7, 19 Feb 73 (Fre)

[Polarized exocytosis of lysosomal residues of prolactin-producing cells in adenohypophysis of postlactating rats] Vila-Porcile E, et al.
C R Acad Sci [D] (Paris) 276:355-7, 15 Jan 73 (Fre)

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)

[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al.
Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)

URINE

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

SOMATOTROPIN

Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18. Leisti J, et al. **Arch Dis Child 48:320-2, Apr 73**

Euglycemic diabetic ketoacidosis. Ireland JT, et al.
Br Med J 3:107, 14 Jul 73

Radioimmunoassay. Practices and pitfalls. Yalow RS.
Circ Res 32:Suppl 1:116-28, 5 May 73 (46 ref.)

Preparation and specificity of antiserum to synthetic secretin and its use in a radioimmunoassay (RIA). Boden G, et al. **Endocrinology 92:1617-24, Jun 73**

The aggregation of (125-I) human growth hormone in response to freezing and thawing. Schwartz PL, et al.
Endocrinology 92:1795-8, Jun 73

Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al.
Horm Metab Res 5:48-50, Jan 73

Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation. (Berson SA), (Yalow RS), Schwartz IL.
Mt Sinai J Med NY 40:284-94, May-Jun 73

Patterns of incorporation of 75 Se-methionine into fibrinogen and other plasma proteins in rabbits stimulated by different test conditions. Seligsohn U, et al. **Thromb Diath Haemorrh 29:76-86, 28 Feb 73**

[Human pituitary prolactin: radioimmunologic detection and level during pregnancy] L'Hermite M, et al.
Ann Endocrinol (Paris) 33:357-60, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Effect of the somatotropic hormone, insulin and durabolin on postadjuvant polyarthritis in rats. Roszkowski-Slis W. **Acta Physiol Pol 24:371-6, 1973**

Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al.
Arch Phys Med Rehabil 54:248-53, Jun 73

The effect of growth hormone upon glucose metabolism and cellularity in rat adipose tissue. Batchelor BR, et al. **Horm Metab Res 5:37-41, Jan 73**

ANALYSIS

The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. **Adv Exp Med Biol 30:3-17, 1972**

Large growth hormone: evidence for the association of growth hormone with another protein moiety in the rat pituitary. Stachura ME, et al.
Endocrinology 92:1708-13, Jun 73

Unspecificity of the tibia-test for growth hormone

assay. Methyl thiocyanate: an interfering substance. Peña C, et al. FEBS Lett 27:338-40, 1 Nov 72
Pituitary ablation and disseminated prostatic carcinoma. West CR, et al. JAMA 225:253-6, 16 Jul 73
Evidence for possible precursors in the synthesis of growth hormone by rat and human fetal anterior pituitary in vitro. Frohman LA, et al. Mt Sinai J Med NY 40:414-21, May-Jun 73
Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73

ANTAGONISTS & INHIBITORS

Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone. Burgus R, et al. Proc Natl Acad Sci USA 70:684-8, Mar 73

BIOSYNTHESIS

Pituitary and serum growth hormone during undernutrition and catch-up growth in young rats. Sinha YN, et al. Endocrinology 92:1768-71, Jun 73
Large growth hormone: evidence for the association of growth hormone with another protein moiety in the rat pituitary. Stachura ME, et al. Endocrinology 92:1708-13, Jun 73
In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al. J Nutr 103:1012-7, Jul 73
Evidence for possible precursors in the synthesis of growth hormone by rat and human fetal anterior pituitary in vitro. Frohman LA, et al. Mt Sinai J Med NY 40:414-21, May-Jun 73
[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al. Histochemie 33:121-7, 1973 (Eng. Abstr.) (Ger)

BLOOD

Occurrence of diabetic type of plasma FFA and glycerol responses to physical exercise in prediabetic subjects. Nordlander S, et al. Acta Med Scand 193:9-21, Jan-Feb 73
Effects of L-dopa on plasma growth hormones and insulin. Kytomaki O, et al. Acta Neurol Scand [Suppl] 51:125-6, 1972
Reye syndrome. 3. The hypoglycemia. Glasgow AM, et al. Am J Dis Child 125:809-11, Jun 73
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
Exposure of cattle to controlled subzero temperature: growth hormone, glucose, and free fatty acid concentrations in plasma. Olsen JD, et al. Am J Vet Res 34:747-51, Jun 73
On the aetiology of hypertrophic pulmonary osteoarthropathy in bronchogenic carcinoma: lack of relationship to elevated growth hormone levels. Ennis GC, et al. Aust NZ J Med 3:157-61, Apr 73
Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
The relationship between changes in plasma growth hormone levels and body temperature occurring with exercise in man. Buckler JM. Biomedicine 19:193-7, 10 May 73
Progressive changes in serum cortisol, insulin and growth hormone concentrations and their relationship to the distorted amino acid pattern during the development of kwashiorkor. Lunn PG, et al. Br J Nutr 29:399-422, May 73
Fenfluramine and growth hormone release. Dunleavy DL, et al. Br Med J 3:48, 7 Jul 73
Oral glucose tolerance and hormonal response in heroin-dependent males. Reed JL, et al. Br Med J 2:582-5, 9 Jun 73
Carbohydrate metabolism and acute myocardial infarction: circulating glucose, insulin, cortisol and growth hormone responses and excretion of catecholamines. Kurt TL, et al. Chest 64:21-5, Jul 73
Human growth hormone: a comparison of the results of plasma and serum assays using double-antibody techniques. Crowley MF, et al. Clin Chim Acta 45:19-24, 19 Apr 73
A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. Clin Endocrinol (Oxf) 1:181-7, Apr 72
The effect of chlorpromazine on pituitary function. Saldanha VF, et al. Clin Endocrinol (Oxf) 1:173-80, Apr 72
Forearm glucose uptake during the oral glucose tolerance test in normal subjects. Jackson RA, et al. Diabetes 22:442-58, Jun 73
Diurnal variation on oral glucose tolerance: insulin and growth hormone changes with special reference to women taking oral contraceptives. Oakley NW, et al. Diabetologia 9:235-8, Jun 73
The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. Endocrinology 92:1736-9, Jun 73
Plasma growth hormone in the anesthetized rat. Effects of dibutyryl cyclic AMP, prostaglandin E 1 , adrenergic agents, vasopressin, chlorpromazine, amphetamine and L-dopa. Kato Y, et al. Endocrinology 93:135-46, Jul 73
Pituitary and serum growth hormone during undernutrition and catch-up growth in young rats. Sinha YN, et al. Endocrinology 92:1768-71, Jun 73
Growth hormone secretion in children during corticosteroid treatment. Responses to arginine. Gacs G, et al. Horm Metab Res 5:106-8, Mar 73
Effect of intravenous infusion of L-DOPA on plasma growth hormone levels in man. Imura H, et al. Horm Metab Res 5:41-5, Jan 73
Growth hormone secretion in primary endogenous hypertriglyceridemia. Muggeo M, et al. Horm Metab Res 5:224-5, May 73
Suppression of exercise-induced growth hormone release with dexamethasone. Nakagawa K, et al. Horm Metab Res 5:225-6, May 73
Blockade of serotonin induced GH secretion in rats by melatonin and cyproheptadine. Smythe GA, et al. Horm Metab Res 5:227, May 73
Growth hormone fluctuations in the paramortal period. Stubbe P, et al. Horm Metab Res 5:163-7, May 73
The effect of the carbohydrate pattern of three isocaloric mixed breakfasts on the postprandial concentrations of plasma glucose, -insulin, -growth hormone and free fatty acids in normal man. Ziegler E, et al. Int J Vitam Nutr Res 43:212-26, 1973
Age-related changes in growth hormone in non-diabetic women. Vidalon C, et al. J Am Geriatr Soc 21:253-5, Jun 73
Comparative study of growth hormone response to hypoglycemia in normal subjects and in patients with primary myxedema or hyperthyroidism before and after treatment. Brauman H, et al. J Clin Endocrinol Metab 36:1162-74, Jun 73
Chlorpromazine treatment and growth hormone secretory responses in acromegaly. Dimond RC, et al. J Clin Endocrinol Metab 36:1189-95, Jun 73
Effect of age on growth hormone secretion in man. Dudl RJ, et al. J Clin Endocrinol Metab 37:11-6, Jul 73
Plasma growth hormone response to thyrotropin-releasing hormone in patients with active acromegaly. Faglia G, et al. J Clin Endocrinol Metab 36:1259-62, Jun 73
Fusaric (5-butylpicolinic) acid: its effect on plasma growth hormone. Hidaka H, et al. J Clin Endocrinol Metab 37:145-7, Jul 73
The effect of a single dose of L-dopa on pituitary hormones in acromegaly, obesity, and in normal subjects. Mims RB, et al. J Clin Endocrinol Metab 37:34-9, Jul 73
Growth hormone responses to propranolol-glucagon stimulation: a comparison with other tests of growth hormone reserve. Parks JS, et al. J Clin Endocrinol Metab 37:85-92, Jul 73
Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al. J Clin Endocrinol Metab 37:160-2, Jul 73
Endocrine studies in anencephaly. Hayek A, et al. J Clin Invest 22:1636-41, Jul 73
Endocrine function in acute head injury. Varma MP, et al. J Ir Med Assoc 66:98-100, 24 Feb 73
Metabolic behaviour of human growth hormone. Watanabe T, et al. J Nucl Biol Med 16:81-9, Apr-Jun 72
Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. J Pediatr 83:253-63, Aug 73
Insulin secretion in children with constitutional familial short stature. Karp M, et al. J Pediatr 83:241-6, Aug 73
Glucose-suppressible growth hormone release after L-dopa administration to normal subjects. Johansen K. Metabolism 22:773-8, Jun 73
Some endocrinological studies on a child with obesity

LIBRARY U. OF I., URBANA-CHAMPAIGN

and diabetes insipidus. Girotti F, et al. **Monatsschr Kinderheilkd 121:160-2, Apr 73**

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al. **Mt Sinai J Med NY 40:402-13, May-Jun 73**

Observations on the control and release of growth hormone in plasma. Kato Y, et al. **Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)**

Inhibition of hypoglycemia-induced growth hormone secretion by the serotonin antagonists cyproheptadine and methysergide. Bivens CH, et al. **N Engl J Med 289:236-9, 2 Aug 73**

Neural regulation of growth hormone secretion. Martin JB. **N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al. **Neuroendocrinology 10:309-15, 1972**

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology 11:338-69, 1973 (186 ref.)**

Revolutions and cyclical rhythms in prenatal life: fetal respiratory movements rediscovered. Dawes GS. **Pediatrics 51:965-71, Jun 73**

Suppression of growth hormone release by glucose administration in diabetic individuals. Bieler EU, et al. **S Afr Med J 47:1117-9, 30 Jun 73**

Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al. **S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)**

[Acromegaly. I. Diagnostic use of radioimmunological determination of the somatotropic hormone] Marek J, et al. **Cas Lek Cesk 112:745-50, 1973 (Eng. Abstr.) (Cze)**

[Testing of antisera for radioimmunoassay of insulin and growth hormone] Strámková J, et al. **Sb Lek 75:181-92, Jun 73 (Eng. Abstr.) (Cze)**

[STH blood level after metopirone in 12 patients with acromegaly] Chiodini PG, et al. **Ann Endocrinol (Paris) 33:431-5, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al. **Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Effects of synthetic TRH in normal subjects] Jaquet P, et al. **Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al. **Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Role of medroxyprogesterone acetate (MPA) on the blood level of STH in 12 patients with acromegaly] Liuzzi A, et al. **Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al. **Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Mid-course development of metabolic and endocrinologic parameters after acromegaly treatment] Strauch G, et al. **Ann Endocrinol (Paris) 33:397-8, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Variations of plasma somatotropin levels during sleep in normal children and in retarded growth with chronic renal insufficiency somatotropin insufficiency] Czernichow P, et al. **Arch Fr Pediatr 29:1033-41, Dec 72 (Eng. Abstr.) (Fre)**

[Cortisol and plasma growth hormone during induced or nonspontaneous variations of blood sugar in man] Gourmelen M, et al. **J Physiol (Paris) 65:Suppl 3:416A+, 1972 (Fre)**

[Acromegaly and cardiac function. Hemodynamic study] Passa P, et al. **Nouv Presse Med 2:1455, 26 May 73 (Fre)**

[Effect of oral administration of L-dopa on plasma levels of TSH, ACTH and GH in normal subjects] Simonin R, et al. **Sem Hop Paris 49:617-21, 20 Feb 73 (Eng. Abstr.) (Fre)**

[Effects of metopirone on growth hormone, glycemia, and plasma insulin] Szöts F, et al. **Union Med Can 102:591-5, Mar 73 (Eng. Abstr.) (Fre)**

[Endocrinological and metabolical findings in obesity] Hofmann GG. **Med Klin 67:1385-8, 27 Oct 72 (32 ref.) (Ger)**

[Growth and growth hormone in "cerebral gigantism"] Butenandt O, et al. **Munch Med Wochenschr 115:577-80, 6 Apr 73 (Eng. Abstr.) (Ger)**

[Short-term muscular work as a stimulation test for STH secretion] Schröder KE, et al. **Munch Med Wochenschr 115:454-5, 16 Mar 73 (Eng. Abstr.) (Ger)**

[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al. **Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)**

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al. **Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)**

[Studies of the behavior of plasma insulin and somatotropin after oral glucose overload in patients with viral hepatitis] Gioannini P, et al. **Acta Diabetol Lat 10:1-15, Jan-Feb 73 (Eng. Abstr.) (Ita)**

[Influence of thalamonal-nitrous-oxide anesthesia on human growth hormone] Takiguchi M, et al. **Clin Endocrinol (Tokyo) 21:59-65, Jan 73 (Jap)**

[Effect of graded physical exercise on blood levels of glucose, insulin and growth hormone in diabetics and healthy subjects] Ponikowska I. **Pol Tyg Lek 28:581-2, 16 May 73 (Pol)**

[Action of catecholamines on the level of growth hormone and glucolipid behavior in human obesity] Durán S, et al. **Rev Clin Esp 129:245-50, 15 May 73 (Eng. Abstr.) (Spa)**

METABOLISM

Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al. **Arch Phys Med Rehabil 54:248-53, Jun 73**

Kinetics of uptake and subcellular distribution of human growth hormone in liver slices. Rezvani I, et al. **Biochem Med 7:432-40, Jun 73**

Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al. **Biochim Biophys Acta 297:527-39, 28 Feb 73**

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf) 1:173-80, Apr 72**

Pituitary and serum growth hormone during undernutrition and catch-up growth in young rats. Sinha YN, et al. **Endocrinology 92:1768-71, Jun 73**

Immunospecificity and localization of radiolabeled human growth hormone in the mouse. Mizejewski GJ. **Experientia 29:716-8, 15 Jun 73**

Effect of collagenase on human growth hormone and ACTH. Baumann JB, et al. **Horm Metab Res 5:228, May 73**

Autoradiographic demonstration of glomerular filtration and proximal tubular absorption of growth hormone 125-I in the mouse. Rabkin R, et al. **Horm Metab Res 5:172-5, May 73**

Growth hormone fluctuations in the paramortal period. Stubbe P, et al. **Horm Metab Res 5:163-7, May 73**

Age-related changes in growth hormone in non-diabetic women. Vidalon C, et al. **J Am Geriatr Soc 21:253-5, Jun 73**

Metabolic behaviour of human growth hormone. Watanabe T, et al. **J Nucl Biol Med 16:81-9, Apr-Jun 72**

Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. **J Pediatr 83:253-63, Aug 73**

Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al. **S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)**

[Peripheral factors in the action of hormones] (Charvát J), Pacovský V. **Cas Lek Cesk 112:617-9, 18 May 73 (Eng. Abstr.) (Cze)**

[Secretion of STH and insulin-glycide metabolism in subjects with Turner's syndrome or malformative small stature] Marrama P, et al. **Recent Prog Med (Roma) 54:197-212, Mar 73 (Eng. Abstr.) (Ita)**

[Metabolism during physical exertion] Karoń H. **Acta Physiol Pol [Suppl] 24:17-28, 1973 (Pol)**

[Distribution of I-131 labeled somatotropic and adrenocorticotropic hormones and their conjugates with alkylating compounds in rats] Patokin SV, et al. **Med Radiol (Mosk) 17:53-7, Oct 72 (Eng. Abstr.) (Rus)**

[Regulation of somatotropin secretion: attempted unitary interpretation] Vigneri R, et al. Acta Diabetol Lat 10:91-106, Jan-Feb 73 (Eng. Abstr.) (Mul)

PHARMACODYNAMICS

Effect of the somatotropic hormone, insulin and durabolin on postadjuvant polyarthritis in rats. Roszkowski-Slif W. Acta Physiol Pol 24:371-6, 1973

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al. Am J Physiol 225:1-6, Jul 73

Modification by bovine growth hormone of liver plasma membrane enzymes, phospholipids, and circular dichroism. Rubin MS, et al. Arch Biochem Biophys 157:243-51, Jul 73

Alteration of liver plasma membrane protein conformation by bovine growth hormone in vitro. Rubin MS, et al. Arch Biochem Biophys 157:252-9, Jul 73

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. Arch Intern Med 131:828-59, Jun 73

Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al. Arch Phys Med Rehabil 54:248-53, Jun 73

Kinetics of uptake and subcellular distribution of human growth hormone in liver slices. Rezvani I, et al. Biochem Med 7:432-40, Jun 73

Growth hormone modulation of liver drug metabolic enzyme activity in the rat. I. Effect of the hormone on the content and rate of reduction of microsomal cytochrome P-450. Wilson JT. Biochem Pharmacol 22:1717-28, 15 Jul 73

The regulation of cell growth. I. Identification and partial characterization of a DNA synthesis stimulating factor from the serum of partially hepatectomized rats. Morley CG, et al. Biochim Biophys Acta 308:260-75, 10 May 73

Effect of thioamide derivatives on induction of ornithine decarboxylase in rat liver. Ono M, et al. Biochim Biophys Acta 304:495-504, 28 Apr 73

Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al. Biochim Biophys Acta 297:527-39, 28 Feb 73

Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al. Biol Reprod 8:550-9, Jun 73

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73

Effect of growth hormone on fluoride balance. Forbes GB, et al. Calcif Tissue Res 11:301-10, 30 Mar 73

The effect of prolactin on water influx in isolated gills of the goldfish, Carassius auratus L. Ogawa M, et al. Comp Biochem Physiol [A] 44:1177-83, 1 Apr 73

Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. Endocrinology 93:188-92, Jul 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. Endocrinology 93:61-73, Jul 73

Relative role of cortisone and growth hormone on glucose intolerance and insulin secretion in rat. Akerblom HK, et al. Horm Metab Res 5:34-7, Jan 73

The effect of growth hormone upon glucose metabolism and cellularity in rat adipose tissue. Batchelor BR, et al. Horm Metab Res 5:37-41, Jan 73

Influence of calcium and somatotropin on D-xylose uptake by the isolated diaphragm of hypophysectomized rats. Buneaux JJ, et al. Horm Metab Res 5:113-8, Mar 73

Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Kostyo JL, et al. Horm Metab Res 5:167-72, May 73

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. Horm Metab Res 5:29-33, Jan 73

Effect of growth hormone on mitochondrial protein synthesis. Maddaiah VT, et al. J Biol Chem 248:4263-8, 25 Jun 73

Effects of hypophysectomy on amino acid metabolism and gluconeogenesis in the perfused rat liver. Tolman EL, et al. J Biol Chem 248:4552-60, 10 Jul 73

The lactogenic effects of prolactin and growth hormone on mammary gland explants from virgin and pregnant Sprague-Dawley rats. Hallowes RC, et al. J Endocrinol 57:253-64, May 73

The stimulation by prolactin and growth hormone of fatty acid synthesis in explants from rat mammary glands. Hallowes RC, et al. J Endocrinol 57:265-76, May 73

Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al. J Exp Zool 184:369-82, Jun 73

Effect of growth hormone on glycogenesis in cerebral cortical slices. Visweswaran P, et al. J Neurochem 20:1493-7, May 73

Observations on the control and release of growth hormone in plasma. Kato Y, et al. Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)

Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)

Factors influencing the lesioning effect of gold thioglucose on the ventromedial hypothalamus of Bar Harbor obese mice. McLaughlin CL, et al. Physiol Behav 10:339-43, Feb 73

Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al. Proc Natl Acad Sci USA 70:792-6, Mar 73

The pars distalis of the pituitary as a source of liver growth stimulating factors during liver regeneration. Badran AF, et al. Virchows Arch [Zellpathol] 13:79-85, 15 May 73

[Nonreversible degradation rate of L-leucine in vivo. Effect of somatotropic hormone] Wellers G, et al. C R Acad Sci [D] (Paris) 276:343-5, 15 Jan 73 (Fre)

[Effect of growth hormone, norethandrolone, prolactin and the combination of 2 or 3 of these substances on the nitrogen balance in rats. Research on a summation effect] Elsair J, et al. J Physiol (Paris) 65:Suppl 3:399A, 1972 (Fre)

[Effects of growth hormone, norethandrolone and of a combination of the 2, on oxygen consumption of liver homogenates in rats] Elsair J, et al. J Physiol (Paris) 65:Suppl 3:400A, 1972 (Fre)

PHYSIOLOGY

Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)

Hypophysis and function of pancreatic islets. II. The effect of substitution with growth hormone and corticotrophin on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of hypophysectomized rats. Schatz H, et al. Diabetologia 9:140-4, Apr 73

Physiological aspects of immunogenesis and its regulation. Zdrodovsky PF, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 17:37-48, 1973

Diabetes and pregnancy. Tsai A, et al. J Reprod Med 11:23-8, Jul 73

The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al. Nephron 10:66-112, 1973 (238 ref.)

Epidemiology of slipped capital femoral epiphysis: a review of the literature. Kelsey JL. Pediatrics 51:1042-50, Jun 73

The pars distalis of the pituitary as a source of liver growth stimulating factors during liver regeneration. Badran AF, et al. Virchows Arch [Zellpathol] 13:79-85, 15 May 73

[Articular cartilage. 1. Physiology in the adult] Peyron JG. Nouv Presse Med 2:1667-70, 16 Jun 73 (Eng. Abstr.) (Fre)

[Age associated factor in the risk of tumor development] Dil'man VM. Vopr Onkol 19:101-11, May 73 (Rus)

[Regulation of somatotropin secretion: attempted unitary interpretation] Vigneri R, et al. Acta Diabetol Lat 10:91-106, Jan-Feb 73 (Eng. Abstr.) (Mul)

SECRETION

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. Acta Pathol Jap 22:779-802, Nov 72

Hypothalamic hypothyroidism: its possible relationshp

LIBRARY U. OF I., URBANA-CHAMPAIGN

to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972

Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al.
Am J Obstet Gynecol 116:377-87, 1 Jun 73

Drug research and human sleep. Oswald I.
Annu Rev Pharmacol 13:243-52, 1973 (57 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al.
Biochem Biophys Res Commun 52:967-73, 8 Jun 73

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al.
Biochem Biophys Res Commun 52:1314-9, 19 Jun 73

Fenfluramine and growth hormone release. Dunleavy DL, et al. **Br Med J 3:48, 7 Jul 73**

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf) 1:91-7, Jan 72**

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

Growth hormone secretion in children during corticosteroid treatment. Responses to arginine. Gacs G, et al. **Horm Metab Res 5:106-8, Mar 73**

Effect of age on growth hormone secretion in man. Dudl RJ, et al. **J Clin Endocrinol Metab 37:11-6, Jul 73**

In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al.
J Nutr 103:1012-7, Jul 73

The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73

Defective growth-hormone secretion after maize diets. Merimee TJ, et al. **Lancet 2:120-2, 21 Jul 73**

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73

Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)

Inhibition of hypoglycemia-induced growth hormone secretion by the serotonin antagonists cyproheptadine and methysergide. Bivens CH, et al.
N Engl J Med 289:236-9, 2 Aug 73

Neural regulation of growth hormone secretion. Martin JB. **N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al.
Neuroendocrinology 10:309-15, 1972

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology 11:338-69, 1973 (186 ref.)**

Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone. Burgus R, et al.
Proc Natl Acad Sci USA 70:684-8, Mar 73

Suppression of growth hormone release by glucose administration in diabetic individuals. Bieler EU, et al. **S Afr Med J 47:1117-9, 30 Jun 73**

Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al.
S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73

[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 (Fre)

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

[Ultrastructural study of anterior pituitary secretion] Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)

[Endocrinological and metabolical findings in obesity] Hofmann GG.
Med Klin 67:1385-8, 27 Oct 72 (32 ref.) (Ger)

[Short-term muscular work as a stimulation test for STH secretion] Schröder KE, et al.
Munch Med Wochenschr 115:454-5, 16 Mar 73 (Eng. Abstr.) (Ger)

[Secretion of growth hormone and insulin in patients with acromegaly] Ulrich E, et al.
Z Gesamte Inn Med 28:141-2 passim, 1 Mar 73 (Eng. Abstr.) (Ger)

[Infantile obesity] Chiumello G, et al.
Minerva Pediatr 25:386-93, 17 Mar 73 (Eng. Abstr.) (Ita)

[Body height increase and secretion of somatotropin in children with variously treated nephrotic syndromes] Cicognani A, et al.
Minerva Pediatr 25:583-92, 14 Apr 73 (Eng. Abstr.) (Ita)

[Secretion of STH and insulin-glycide metabolism in subjects with Turner's syndrome or malformative small stature] Marrama P, et al.
Recent Prog Med (Roma) 54:197-212, Mar 73 (Eng. Abstr.) (Ita)

[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

[Endocrine-metabolic response to post-insulin hypoglycemia in obese patients] Durán S, et al.
Rev Clin Esp 129:27-32, 1 Apr 73 (Eng. Abstr.) (Spa)

[Experimental modifications in the gluco-lipidic and growth hormone behavior after arginine infusion in human obesity] Durán S, et al.
Rev Clin Esp 129:129-34, 30 Apr 73 (Eng. Abstr.) (Spa)

[Treatment of pituitary adenomas with chlorpromazine] Martín Zurro A, et al.
Rev Clin Esp 129:269-72, 15 May 73 (Eng. Abstr.) (Spa)

[Regulation of somatotropin secretion: attempted unitary interpretation] Vigneri R, et al.
Acta Diabetol Lat 10:91-106, Jan-Feb 73 (Eng. Abstr.) (Mul)

THERAPEUTIC USE

Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18. Leisti J, et al. **Arch Dis Child 48:320-2, Apr 73**

Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al.
Arch Phys Med Rehabil 54:248-53, Jun 73

Endocrine disorders of growth in stature. Raiti S.
Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. **J Pediatr 83:253-63, Aug 73**

When Johnny doesn't grow. Sprung E.
Nurs Care 6:27-9, Jul 73

[Principles of chronic hormone substitution] Mosonyi L.
Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) (Ger)

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

THYROTROPIN

Interaction of 1,8-ANS with human luteinizing hormones: a probe for subunit interactions of hCG and hLH. **Arch Biochem Biophys 155:478-9, Apr 73**

A new biochemical effect of erythropoietin. Ray PK, et al. **Biochem Biophys Res Commun 52:1320-8, 19 Jun 73**

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72

The relationship of the activity of gonadotrophins to their structures. Kennedy JF.
Endocrinol Exp (Bratisl) 7:5-17, 1973

Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis.

Phifer RF, et al.
J Clin Endocrinol Metab 36:1210-21, Jun 73
Proposed tertiary structure for the hypothalamic thyrotropin-releasing factor. Blagdon DE, et al.
Proc Natl Acad Sci USA 70:1166-8, Apr 73
The prolactin cell of the white-crowned sparrow, Zonotrichia leucophrys pugetensis. Mikami S, et al.
Z Zellforsch Mikrosk Anat 138:455-74, 1973
[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)
[Morphological kinetics and cytochemistry of the thyroid gland. Electron microscopy-cytochemical and radioautographic study in the golden hamster (Cricetus auratus)] Lietz H.
Z Zellforsch Mikrosk Anat 138:569-84, 1973 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. J Clin Endocrinol Metab 36:1074-8, Jun 73

ANALYSIS

Thyrotropin--a lipolytic hormone? Stevenson PM, et al.
Eur J Biochem 35:318-25, Jun 73
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)
Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73

ANTAGONISTS & INHIBITORS

The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73

BIOSYNTHESIS

The development of TSH producing pituitary tumours in the mouse. Dingemans KP.
Virchows Arch [Zellpathol] 12:338-59, 30 Mar 73

BLOOD

Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73
THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al.
Arch Gen Psychiatry 29:28-32, Jul 73
Endocrine disorders of growth in stature. Raiti S.
Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
Grades of hypothyroidism. Harvey RF.
Br Med J 2:488-9, 26 May 73
Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al.
Br Med J 1:153-4, 20 Jan 73
Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72
Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72
The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. Endocrinology 92:1736-9, Jun 73
Effect of lithium on thyroxine disappearance in man. Carlson HE, et al.
J Clin Endocrinol Metab 36:1251-4, Jun 73
Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al.
J Clin Endocrinol Metab 36:1050-7, Jun 73
Plasma growth hormone response to thyrotropin-releasing hormone in patients with active acromegaly. Faglia G, et al.
J Clin Endocrinol Metab 36:1259-62, Jun 73
Serum prolactin and TSH: effects of nursing and pyroGlu-His-ProNH2 administration in postpartum women. Gautvik KM, et al.
J Clin Endocrinol Metab 37:135-9, Jul 73
Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. J Clin Endocrinol Metab 36:1074-8, Jun 73
Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. J Clin Invest 22:1616-9, Jul 73
Endocrine studies in anencephaly. Hayek A, et al.
J Clin Invest 22:1636-41, Jul 73
Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. J Pediatr 83:321-31, Aug 73
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73
Antidepressive effects of electroconvulsive therapy and thyrotrophin-releasing hormone. Thorell JI, et al.
Lancet 819:43, 7 Jul 73
Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al.
Metabolism 22:859-65, Jul 73
Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. Proc R Soc Med 66:441-2, May 73
Use of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al.
Proc R Soc Med 66:187, Feb 73
[Thyrotropic hormone in the pathogenesis of recurrences of struma] Milanov St, et al.
Vutr Boles 12:49-53, 1973 (Eng. Abstr.) (Bul)
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Effects of synthetic TRH in normal subjects] Jaquet P, et al.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
[Plasmatic concentrations of prolactin and thyrostimulating hormone during ewe milking: comparative study with effects of TRF] Kann G, et al.
C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 (Fre)
[Liberation of TSH by the anterior pituitary gland of the rat under the influence of diethylamino-2-ethyl diphenylacetate] Mornex R, et al.
C R Acad Sci [D] (Paris) 276:2289-92, 9 Apr 73 (Fre)
[Variations of thyroid activity as a function of illumination in the rabbit] Berthelot A, et al.
J Physiol (Paris) 65:Suppl 3:352A, 1972 (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)
[Effect of oral administration of L-dopa on plasma levels of TSH, ACTH and GH in normal subjects] Simonin R, et al.
Sem Hop Paris 49:617-21, 20 Feb 73 (Eng. Abstr.) (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Isolation of long acting thyroid stimulator (LATS) and thyroid stimulating hormone (TSH) in the serum] Ochi Y, et al.
Clin Endocrinol (Tokyo) 21:49-52, Jan 73 (Jap)
[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

DIAGNOSTIC USE

Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. J Clin Endocrinol Metab 36:1074-8, Jun 73
[Examination of TSH (thyroid stimulating hormone) test using T4 level in the blood as an index] Baba S, et al. Clin Endocrinol (Tokyo) 21:67-72, Jan 73 (Jap)
[Thyroid function and hypothyroidism] Ogura H. Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)

ISOLATION & PURIFICATION

Thyrotropin--a lipolytic hormone? Stevenson PM, et al. Eur J Biochem 35:318-25, Jun 73
The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. J Biol Chem 248:4327-33, 25 Jun 73
Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73

METABOLISM

Development of the thyroid control system. Nershman JM, et al. Adv Exp Med Biol 30:417-28, 1972
Thyrotropin--a lipolytic hormone? Stevenson PM, et al. Eur J Biochem 35:318-25, Jun 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al.
Metabolism 22:859-65, Jul 73
[Action of gamma globulins isolated from the serum of exophthalmic patients on the binding of thyrotropin and its exophthalmic derivative to membrane receptors from retro-ocular tissue] Winand R, et al.
Arch Int Physiol Biochim 81:215-6, Feb 73 (Fre)
[Hypophyseal thyreostimulin and thyroid iodinated amino acids as a function of lighting in adult rabbits] Dale A, et al.
C R Soc Biol (Paris) 166:1296-301, 1972 (Fre)

PHARMACODYNAMICS

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73
In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid. Lecocq RE, et al.
Biochim Biophys Acta 299:304-11, 19 Mar 73
Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73
Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
A comparison of the effects of mammalian TSH on the thyroid glands of the teleost Galeichthys felis and the elasmobranch Dasyatis sabina. Jackson RG, et al.
Comp Biochem Physiol [A] 44:867-70, 1 Mar 73
Contemporary notions on the blood flow through the thyroid gland. Kapitola J.
Endocrinol Exp (Bratisl) 7:147-58, 1973
Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis. Bigazzi M, et al.
Endocrinology 92:1761-7, Jun 73
Scanning electron microscope observations of apical surfaces of dog thyroid cells. Ketelbant-Balasse P, et al. Exp Eye Res 79:111-9, Apr 73
Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. Gen Comp Endocrinol 20:467-73, Jun 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
Perifused fat cells. Effect of lipolytic agents. Katocs AS Jr, et al. J Biol Chem 248:5089-94, 25 Jul 73
Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al.
J Exp Zool 184:369-82, Jun 73
Thyroidal K + -activated p-nitrophenylphosphatase activity. Stefanović V, et al.
Life Sci [II] 11:1117-22, 22 Nov 72
Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. Science 180:872-5, 25 May 73
[Functional aspects of thyroid cells studied by means of scanning electron microscopy: intracellular detection of iodine by simultaneous X-ray microdiffraction] Lavedan J, et al.
C R Acad Sci [D] (Paris) 276:1003-4, 5 Feb 73 (Fre)
[Evaluation of hormonal activity in culture of thyroid explants of Gobius niger L] Bonnin JP, et al.
C R Soc Biol (Paris) 166:347-50, 9 Nov 72 (Fre)
[Effect of lipolytic hormones on release of FFA from adipose tissue of thyroidectomized rats and treated with thyroxine in vitro] Kovačev VP, et al.
God Zb Med Fak Skopje 18:105-11, 1972 (Eng. Abstr.) (Ser)

PHYSIOLOGY

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. Endocrinology 92:1736-9, Jun 73
Mechanisms of lithium action. Singer I, et al.
N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)
[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

SECRETION

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)
Development of the thyroid control system. Nershman JM, et al. Adv Exp Med Biol 30:417-28, 1972
Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)
Thyrotropin releasing hormone: secretion and actions. Wilber JF. Annu Rev Med 24:353-64, 1973 (98 ref.)
Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing hormone (TRH). Breneman WR, et al.
Biochem Biophys Res Commun 52:189-94, 1 May 73
Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al.
Biochem Biophys Res Commun 52:967-73, 8 Jun 73
Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73
Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al.
Horm Metab Res 5:62, Jan 73
Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. J Endocrinol 57:539-48, Jun 73
Tissue thyroid hormone concentration of rat and man determined by radioimmunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73
Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al.
Neth J Med 16:111-5, 1973
Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE.
Neuroendocrinology 10:273-81, 1972
Thyrotoxicosis recurring after surgical removal of a

thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med 66:441-2, May 73**

Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Liberation of TSH by the anterior pituitary gland of the rat under the influence of diethylamino-2-ethyl diphenylacetate] Mornex R, et al.
C R Acad Sci [D] (Paris) 276:2289-92, 9 Apr 73 (Fre)

[35 SO 4 Na 2 incorporation in thyreotropic cells after thyroidectomy in mice] Deminatti M.
C R Soc Biol (Paris) 166:1316-8, 1972 (Fre)

[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)

[Endocrinology in 1973] Bricaire H, et al.
Rev Prat 23:825-63, 21 Feb 73 (Fre)

[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)

[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

VASOPRESSIN

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)

Stimulation of corticotropin release. Allen JP, et al.
Br Med J 2:553, 2 Jun 73

Immunoassay for lysine 8 -vasopressin (LVP): comparison of biological and immunological activity of lysine-vasopressin and some of its synthetic analogues. Marchetti J. **Experientia 29:351-3, 15 Mar 73**

Arteriographic diagnosis and management of suspected colonic diverticular hemorrhage. Eisenberg H, et al.
Gastroenterology 64:1091-100, Jun 73

Changes in the appearance of hypothalamo-neurohypophysial neurosecretory granules associated with their maturation. Cannata MA, et al. **J Endocrinol 57:531-8, Jun 73**

Single unit activity in the supraoptic nucleus of Brattleboro rats. Dyball RE.
J Physiol (Lond) 231:39P-40P, May 73

Proton magnetic resonance study of peptide conformation: effect of trifluoroethanol on oxytocin and 8-lysine-vasopressin. Walter R, et al.
Proc Natl Acad Sci USA 70:1199-203, Apr 73

Cellular responses to cyclic AMP. Bitensky MW, et al.
Prog Biophys Mol Biol 26:409-61, 1973 (359 ref.)

[Application of the occupation theory to renal receptors of lysine vasopressine coupled to adenylcyclase. Study using tritiated vasopressin] Bockaert J, et al.
C R Acad Sci [D] (Paris) 276:649-52, 22 Jan 73 (Fre)

[Gastric ulceration due to lysine vasopressin] Laumonier R, et al.
Therapie 27:975-82, Nov-Dec 72 (Eng. Abstr.) (Fre)

[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

ADMINISTRATION & DOSAGE

Effect of antidiuretic hormone on the disappearance of exogenous bilirubin in the plasma. Lechin F, et al.
Acta Gastroenterol Latinoam 4:147-52, Oct-Dec 72

Control of variceal bleeding by superior mesenteric artery pitressin perfusions--complications and indications. Marubbio AT Jr, et al.
Am J Dig Dis 18:539-43, Jul 73

[Experimental studies on problems of the surgical treatment of portal hypertension] Kreuzer W.
Wien Klin Wochenschr [Suppl] 13:Suppl 13:3-17, 1973 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Polyneuropathy caused by unknown universal intracellular deposits-paraamyloidosis? Clinical, light microscopic and electron microscopic study. Dalby M, et al. **Acta Neurol Scand [Suppl] 51:433-4, 1972**

ANALYSIS

Antidiuretic assay for vasopressin.
Szczepańska-Sadowska E, et al.
Acta Physiol Pol 24:479-83, 1973

The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al.
J Endocrinol 57:509-16, Jun 73

ANTAGONISTS & INHIBITORS

Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)

Inhibition of vasopressin-stimulated water transport across the isolated toad bladder. Frith DA, et al.
Comp Biochem Physiol [A] 45:313-25, 1 Jun 73

Plasma growth hormone in the anesthetized rat. Effects of dibutyryl cyclic AMP, prostaglandin E 1 , adrenergic agents, vasopressin, chlorpromazine, amphetamine and L-dopa. Kato Y, et al.
Endocrinology 93:135-46, Jul 73

Effect of phosvitin on electrocardiographic changes produced by vasopressin in rats. Caprino L, et al.
Experientia 29:679-80, 15 Jun 73

BLOOD

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73

Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)

The physiology of renin. Stein JH, et al.
Arch Intern Med 131:860-72, Jun 73 (158 ref.)

Has the anti-diuretic hormone a role in the diuresis from stimulation of atrial receptors. Whitaker EM, et al. **Clin Sci 44:27P, Jun 73**

Potentiation by angiotensin II of the vasopressin response to an increasing plasma osmolality. Shimizu K, et al. **Endocrinology 93:42-50, Jul 73**

Water diuresis in the volume expanded glucocorticoid-deficient dog. Levi J, et al.
Isr J Med Sci 9:429-37, Apr 73

Observations on the release and clearance of neurophysin and the neurohypophysial hormones in the rat. Forsling ML, et al.
J Endocrinol 57:307-15, May 73

Release of vasopressin without oxytocin by nicotine injected into the cerebral ventricles of anaesthetized cats. Bisset GW, et al.
J Physiol (Lond) 231:36P-37P, May 73

Inhibition of ADH release by stimulation of afferent cardiac branches of the right vagus in cats. Harris MC, et al. **J Physiol (Lond) 231:15P-16P, May 73**

[Effect of muscular exercise on neurophysin plasma level in humans] Legros JJ, et al.
C R Soc Biol (Paris) 166:1391-3, 1972 (Fre)

[Studies on the amount of plasma antidiuretic activity and of Porter-Silver chromogens in alcoholic delirium and in acute phenothiazine poisoning] Dobrzański T, et al.
Psychiatr Neurol Med Psychol (Leipz) 25:153-60, May 73 (Eng. Abstr.) (Ger)

CHEMICAL SYNTHESIS

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)

Solid-phase synthesis and some pharmacological properties of 4-threonine analogs of vasopressins and vasotocin and of arginine-vasopressin and arginine-vasotocin. Manning M, et al.
J Med Chem 16:463-6, May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

DIAGNOSTIC USE

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72
Endocrine studies in anencephaly. Hayek A, et al.
J Clin Invest 22:1636-41, Jul 73

ISOLATION & PURIFICATION

Immunoassay for lysine 8 -vasopressin (LVP): comparison of biological and immunological activity of lysine-vasopressin and some of its synthetic analogues. Marchetti J. **Experientia 29:351-3, 15 Mar 73**
The vasopressin-sensitive adenylate cyclase of the rat renal medulla. Neer EJ.
J Biol Chem 248:4775-81, 10 Jul 73

METABOLISM

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al.
Acta Physiol Acad Sci Hung 42:61-5, 1972
Circulatory control via vagal afferents. 3. Control of arterial blood pressure by afferents via the laryngeal communicans with special regard to the restitution after hemorrhage. Castenfors J, et al.
Acta Physiol Scand 87:176-87, Feb 73
Neurophysin binding of vasopressin analogues altered at the NH 2 - and COOH-terminal positions. Kluh I, et al. **Mol Pharmacol 9:414-20, May 73**
Vasopressin and cerebral tiredness. Muscalu I, et al.
Rev Roum Physiol 10:160-75, 1973
[Peripheral factors in the action of hormones] 'Charvát J), Pacovský V.
Cas Lek Cesk 112:617-9, 18 May 73 (Eng. Abstr.) (Cze)
[Effect of artificial atmospheric ionization on urinary sodium and potassium excretion] Olivereau JM.
C R Acad Sci [D] (Paris) 676:777-80, 29 Jan 73 (Fre)
[Biochemistry of rat liver cells during regeneration. IV. Effect of vasopressin, insulin and hydrocortisone] Butculescu I, et al.
Rev Roum Physiol 10:131-7, 1973 (Fre)
[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

PHARMACODYNAMICS

Effect of antidiuretic hormone on the disappearance of exogenous bilirubin in the plasma. Lechin F, et al.
Acta Gastroenterol Latinoam 4:147-52, Oct-Dec 72
Hydrosmotic effect of angiotensin II: isolated toad skin. Coviello A, et al.
Acta Physiol Lat Am 23:18-23, 1973
Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
Influence of vasoactive hormones on mammary arterial blood flow in lactating cows. Dhondt G, et al.
Arch Int Pharmacodyn Ther 201:195-6, Jan 73
Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)
Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med 131:828-59, Jun 73**
Hydration and vasopressin effects on glomerular filtration rate in sheep. Yesberg NE, et al.
Aust J Exp Biol Med Sci 51:191-7, Apr 73
Ionic transport in the isolated frog skin treated with Staphylococcal alpha toxin--the effects of ouabain, ADH and theophylline. Kadlec O.
Biochem Pharmacol 21:2643-8, 1 Oct 72
Inhibition of hexose monophosphate shunt by ethanol--an experimental evaluation. Seshachalam D.
Biochem Pharmacol 21:2658-60, 1 Oct 72
Some cardiovascular effects of ornithine-8-vasopressin: a new surgical vasoconstrictor agent. Coleman AJ, et al.
Br J Anaesth 45:511-4, May 73
Inhibition of vasopressin-stimulated water transport across the isolated toad bladder. Frith DA, et al.
Comp Biochem Physiol [A] 45:313-25, 1 Jun 73
Influence of glucagon and neurohypophysial hormones on plasma free fatty acid levels in the pigeon. John TM, et al. **Comp Biochem Physiol [A] 45:541-7, 1 Jun 73**
The effect of some nucleotides and related compounds on sodium transport and water permeability of the urinary bladder of the toad. Sugita M, et al.
Comp Biochem Physiol [A] 45:157-67, 1 May 73
An attempt to demonstrate endocrine cells in the rat thymus. Csaba G.
Endocrinol Exp (Bratisl) 7:99-106, 1973
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Plasma growth hormone in the anesthetized rat. Effects of dibutyryl cyclic AMP, prostaglandin E 1 , adrenergic agents, vasopressin, chlorpromazine, amphetamine and L-dopa. Kato Y, et al.
Endocrinology 93:135-46, Jul 73
The toad's (Bufo marinus) lens and urinary bladder as mural membranes: a comparison. Bentley PJ.
Exp Eye Res 15:723-9, 24 May 73
Renal tubular reabsorption of acetaminophen after vasopressin administration in man. Baraclough MA, et al. **Experientia 29:448-9, 15 Apr 73**
Effect of phosvitin on electrocardiographic changes produced by vasopressin in rats. Caprino L, et al.
Experientia 29:679-80, 15 Jun 73
Immunoassay for lysine 8 -vasopressin (LVP): comparison of biological and immunological activity of lysine-vasopressin and some of its synthetic analogues. Marchetti J. **Experientia 29:351-3, 15 Mar 73**
The vasopressin-sensitive adenylate cyclase of the rat renal medulla. Neer EJ.
J Biol Chem 248:4775-81, 10 Jul 73
Effect of acid-base changes and dehydration on renal medullary production of ammonia. Goodman AD.
J Lab Clin Med 81:905-18, Jun 73
Solid-phase synthesis and some pharmacological properties of 4-threonine analogs of vasopressins and vasotocin and of arginine-vasopressin and arginine-vasotocin. Manning M, et al.
J Med Chem 16:463-6, May 73
The adrenoceptors mediating catecholamine effects in frog isolated skin. Ambalavanar S, et al.
J Pharm Pharmacol 25:55-9, Jan 73
Sound-withdrawal hypertension in rats--a new form of experimental hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:42-8, Jan 73
Neurophysin binding of vasopressin analogues altered at the NH 2 - and COOH-terminal positions. Kluh I, et al. **Mol Pharmacol 9:414-20, May 73**
Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)
Regulation of phosphorylation of a specific protein in toad-bladder membrane by antidiuretic hormone and cyclic AMP, and its possible relationship to membrane permeability changes. DeLorenzo RJ, et al.
Proc Natl Acad Sci USA 70:880-4, Mar 73
Vasopressin and cerebral tiredness. Muscalu I, et al.
Rev Roum Physiol 10:160-75, 1973
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Application of the occupation theory to renal receptors of lysine vasopressine coupled to adenylcyclase. Study using tritiated vasopressin] Bockaert J, et al.
C R Acad Sci [D] (Paris) 276:649-52, 22 Jan 73 (Fre)
[Changes in water metabolism of rats with diabetes insipidus under treatment with clofibrate, with or without ADH] Dumas JC, et al.
C R Soc Biol (Paris) 166:460-4, 9 Nov 72 (Fre)
[Mechanical reactions of isolated colon due to repeated stretching; influence of fluid diet. In vitro study] Le Goff P, et al.
J Physiol (Paris) 65:Suppl 3:442A, 1972 (Fre)
[Biochemistry of rat liver cells during regeneration. IV. Effect of vasopressin, insulin and hydrocortisone] Butculescu I, et al.
Rev Roum Physiol 10:131-7, 1973 (Fre)
[Experimental studies on problems of the surgical treatment of portal hypertension] Kreuzer W.
Wien Klin Wochenschr [Suppl] 13:Suppl 13:3-17, 1973 (Eng. Abstr.) (Ger)
[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al.
J Pharm Soc Jap 92:871-3, Jul 72 (Eng. Abstr.) (Jap)
[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Problem of vascular reactivity in the mechanism of

regulatory and pharmacological effects on the blood circulation] Udel'nov MG, et al.
Usp Sovrem Biol 75:125-48, Jan-Feb 73 (276 ref.) (Rus)

PHYSIOLOGY

Kidney. Morel F, et al.
Annu Rev Physiol 35:17-54, 1973 (152 ref.)
Operative risks: the clinical evaluation and management of disorders of water and electrolyte balance. Hebert LA, et al.
Clin Obstet Gynecol 16:195-237, Jun 73
Has the anti-diuretic hormone a role in the diuresis from stimulation of atrial receptors. Whitaker EM, et al. Clin Sci 44:27P, Jun 73
Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. Fed Proc 31:1599-608, Nov-Dec 72
Mechanisms of lithium action. Singer I, et al.
N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)
[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) (Bul)
[Blood volume receptors and neuro-hormonal regulation of blood volume] Annat G, et al.
Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Eng. Abstr.) (Fre)
[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

SECRETION

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al.
Acta Physiol Acad Sci Hung 42:61-5, 1972
Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
Hormone producing tumors of the lung. Lawrence AM.
Ann Clin Lab Sci 3:259-64, Jul-Aug 73
Rapid correction of hyponatremia in the syndrome of inappropriate secretion of antidiuretic hormone. An alternative treatment to hypertonic saline. Hantman D, et al. Ann Intern Med 78:870-5, Jun 73
Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73
ACTH inhibition of dehydration-induced changes in the hypothalamic neurosecretory system of the musk shrew, suncus murinus L. Kulshreshtha A, et al.
Indian J Med Res 60:1032-7, Jul 72
Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. Morris JF, et al.
J Endocrinol 57:517-29, Jun 73
Milk ejection in the rat: the result of a selective release of oxytocin. Wakerley JB, et al.
J Endocrinol 57:557-8, Jun 73
Release of vasopressin without oxytocin by nicotine injected into the cerebral ventricles of anaesthetized cats. Bisset GW, et al.
J Physiol (Lond) 231:36P-37P, May 73
Inhibition of ADH release by stimulation of afferent cardiac branches of the right vagus in cats. Harris MC, et al. J Physiol (Lond) 231:15P-16P, May 73
[Effects of water deprivation on weight growth curve in young rats] Detieux Y, et al.
C R Soc Biol (Paris) 166:1336-40, 1972 (Fre)
[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 (Fre)
[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)
[Effect of acute ethyl alcohol poisoning on the circulatory system] Pelka W.
Wiad Lek 26:835-8, 1 May 73 (26 ref.) (Eng. Abstr.) (Pol)

THERAPEUTIC USE

Control of variceal bleeding by superior mesenteric artery pitressin perfusions--complications and indications. Marubbio AT Jr, et al.
Am J Dig Dis 18:539-43, Jul 73
Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73
Combined nephrotoxicity of gentamicin and methoxyflurane anaesthesia in man. A case report. Mazze RI, et al. Br J Anaesth 45:394-8, Apr 73
Diabetes insipidus as a complication of pneumococcal meningitis. Abramsky O, et al.
J Am Geriatr Soc 21:232-4, May 73
[Use of DDAVP in children's diabetes insipidus] Rafka B, et al.
Cesk Pediatr 28:262-4, 1973 (Eng. Abstr.) (Cze)
[Current therapy of diabetes insupidus] Guihard J.
Therapie 27:1053-9, Nov-Dec 72 (Eng. Abstr.) (Fre)

TOXICITY

Vasopressin induced dysmelia in rats and its relation to amniocentesis dysmelia. Love AM, et al.
Br J Exp Pathol 54:291-7, Jun 73

URINE

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al.
Aerosp Med 44:855-9, Jul 73

VASOTOCIN

ADMINISTRATION & DOSAGE

Effects of arginine vasotocin on sodium and potassium metabolism in Xenopus laevis after skin gland stimulation and sympathetic blockade. Ireland MP.
Comp Biochem Physiol [A] 44:487-93, 1 Feb 73
Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al.
Neuroendocrinology 11:370-4, 1973

ANTAGONISTS & INHIBITORS

[Sodium thioglycolate and hypothalamo-neurohypophysial hormones] Holder FC. Experientia 29:487-8, 15 Apr 73 (Fre)

CEREBROSPINAL FLUID

Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al.
Neuroendocrinology 11:370-4, 1973

CHEMICAL SYNTHESIS

Solid-phase synthesis and some pharmacological properties of 4-threonine analogs of vasopressins and vasotocin and of arginine-vasopressin and arginine-vasotocin. Manning M, et al.
J Med Chem 16:463-6, May 73

PHARMACODYNAMICS

Effects of arginine vasotocin on sodium and potassium metabolism in Xenopus laevis after skin gland stimulation and sympathetic blockade. Ireland MP.
Comp Biochem Physiol [A] 44:487-93, 1 Feb 73
Influence of glucagon and neurohypophysial hormones on plasma free fatty acid levels in the pigeon. John TM, et al. Comp Biochem Physiol [A] 45:541-7, 1 Jun 73
Solid-phase synthesis and some pharmacological properties of 4-threonine analogs of vasopressins and vasotocin and of arginine-vasopressin and arginine-vasotocin. Manning M, et al.
J Med Chem 16:463-6, May 73
Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al.
Neuroendocrinology 11:370-4, 1973

PHYSIOLOGY

Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life. Sawyer WH. Fed Proc 31:1609-14, Nov-Dec 72
Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al.
Neuroendocrinology 11:370-4, 1973

LIBRARY U. OF I., URBANA-CHAMPAIGN

IV. Related Topics

HYPOPHYSECTOMY

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al. **Acta Endocrinol (Kbh) 73:117-32, May 73**

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al. **Acta Endocrinol (Kbh) 73:1-10, May 73**

Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation. Backlund EO, et al. **Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72**

Halothane and methoxyflurane concentrations in end-tidal gas, arterial blood, and lumbar cerebrospinal fluid. Stoelting RK. **Anesthesiology 38:384-8, Apr 73**

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med 23:1-18, 1972 (83 ref.)**

Kinetics of uptake and subcellular distribution of human growth hormone in liver slices. Rezvani I, et al. **Biochem Med 7:432-40, Jun 73**

The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. **Br J Exp Pathol 54:306-11, Jun 73**

The effect of hypophysectomy on the cortisol secretion in 4 patients with advanced metastatic breast cancer. Lewis AA, et al. **Br J Surg 60:493-4, Jun 73**

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G. **Brain Res 55:245-61, 15 Jun 73**

Effect of hypophysectomy on longitudinal bone growth in the rat. Thorngren KG, et al. **Calcif Tissue Res 11:281-300, 30 Mar 73**

Experimental induction heating hypophysectomy. Zervas NT, et al. **Confin Neurol 35:129-37, 1973**

Hypophysis and function of pancreatic islets. II. The effect of substitution with growth hormone and corticotrophin on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of hypophysectomized rats. Schatz H, et al. **Diabetologia 9:140-4, Apr 73**

Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al. **Endocrinol Exp (Bratisl) 7:85-8, 1973**

A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding. Bieler EU, et al. **Horm Metab Res 5:231, May 73**

Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Kostyo JL, et al. **Horm Metab Res 5:167-72, May 73**

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. **Horm Metab Res 5:29-33, Jan 73**

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. **Indian J Cancer 10:111-23, Mar 73 (131 ref.)**

Cryosurgery. Budhraja SN, et al. **Indian J Med Sci 27:343-6, Apr 73**

Effect of hypopituitarism and ACTH on the urinary excretion of norepinephrine in man. Moyano MB, et al. **J Clin Endocrinol Metab 37:1-5, Jul 73**

Effects of hypophysectomy on gingival glycosaminoglycans. Kofoed JA. **J Comp Neurol 52:423-5, May-Jun 73**

Regeneration of the human pituitary. Landolt AM. **J Neurosurg 39:35-41, Jul 73**

Pituitary ablation and disseminated prostatic carcinoma. West CR, et al. **JAMA 225:253-6, 16 Jul 73**

Cryosurgery: its scientific basis and clinical application. Holden HB, et al. **Practitioner 210:543-50, Apr 73**

Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med 66:441-2, May 73**

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Mid-course development of metabolic and endocrinologic parameters after acromegaly treatment] Strauch G, et al. **Ann Endocrinol (Paris) 33:397-8, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Cushing's disease with pituitary tumor] Vallotton MB, et al. **Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. **C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)**

[Effect of hypophysectomy and prolactin treatment of gill N-acetyl-neuraminic acid content in the eel, Anguilla anguilla L] Lemoine AM. **C R Soc Biol (Paris) 166:268-73, 9 Nov 72 (Fre)**

[Therapeutic effect of carp pituitary hormones in the alopecia syndrome] Kubányi E. **Dermatol Monatsschr 159:56-8, Jan 73 (Ger)**

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA. **Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

ADVERSE EFFECTS

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med 23:1-18, 1972 (83 ref.)**

Acute ulceration of the oesophagus following hypophysectomy. Davies WA, et al. **Gut 14:431, May 73**

LACTATION

Transfer of selected radionuclides from the organism of pregnant and feeding female rat to the offsprings. Baltrukiewicz Z, et al. **Acta Physiol Pol 24:437-44, 1973**

Graded levels of pyridoxine in the rat diet during gestation and the physical and neuromotor development of offspring. Alton-Mackey MG, et al. **Am J Clin Nutr 26:420-8, Apr 73**

Selenium in mature human milk. Hadjimarkos DM, et al. **Am J Clin Nutr 26:583-5, Jun 73**

Food intake and rate of weight gain in two healthy breast-fed infants. Wheeler EF. **Am J Clin Nutr 26:631-9, Jun 73**

Effects of litter size, age of young, and parity on foster mother behaviour in Rattus norvegicus. Grota LJ. **Anim Behav 21:78-82, Feb 73**

Maternal behaviour in Richardson's ground squirrel (Spermophilus richardsonii richardsonii): retrieval of young by non-lactating females. Michener GR. **Anim Behav 21:157-9, Feb 73**

The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al. **Anim Behav 20:782-7, Nov 72**

Observations of the maternal behaviour of two captive greater bushbabies (Galago crassicaudatus argentatus). Rosenson LM. **Anim Behav 20:677-88, Nov 72**

Influence of vasoactive hormones on mammary arterial blood flow in lactating cows. Dhondt G, et al. **Arch Int Pharmacodyn Ther 201:195-6, Jan 73**

Local antigenic stimulation of guinea-pig mammary gland. McDowell GH. **Aust J Exp Biol Med Sci 51:237-45, Apr 73**

Mechanisms of transfer on immunoglobulins into mammary secretion of ewes. Watson DL, et al. **Aust J Exp Biol Med Sci 51:247-54, Apr 73**

The depression of quarter milk yield caused by bovine mastitis, and the response of yield to successful therapy. Morris RS. Aust Vet J 49:153-6, Mar 73
Udder lesions in cows associated with intramammary infusion of chlortetracycline preparations during the dry period. Thompson WH, et al. Aust Vet J 48:588-92, Nov 72
Fatty acid biosynthesis. X. Specificity for chain-termination of fatty acid biosynthesis in cell-free extracts of lactating rabbit mammary gland. Carey EM, et al. Biochim Biophys Acta 306:156-67, 24 May 73
Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. Biochim Biophys Acta 299:576-87, 11 Apr 73
Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. Biol Reprod 8:515-22, Jun 73
Non-malignant breast masses in an African population. Ajayi OO, et al. Br J Surg 60:465-8, Jun 73
Rat brain and blood gluconeogenic metabolic changes in neonatal starvation. Wapnir RA. Brain Res 57:187-95, 16 Jul 73
Human prolactin, its isolation, assay and clinical applications. Forsyth IA, et al. Clin Endocrinol (Oxf) 1:293-314, Jul 72
Human neurophysine blood levels under normal, experimental and pathological conditions. Legros JJ, et al. Clin Endocrinol (Oxf) 1:99-113, Jan 72
Variation in the yield and composition of milk throughout lactation in the guinea pig (Cavia porcellus). Mepham TB, et al. Comp Biochem Physiol [A] 45:273-81, 1 Jun 73
Biology of Myotis thysanodes and M. lucifugus (Chiroptera: Vespertilionidae). II. Bioenergetics of pregnancy and lactation. Studier EH, et al. Comp Biochem Physiol [A] 44:467-71, 1 Feb 73
Regulation of the chain-length of fatty acids synthesized by cell-free preparations of lactating rabbit, rat and guinea-pig mammary gland. Carey EM, et al. Comp Biochem Physiol [B] 44:989-1000, 15 Apr 73
Iron in milk and milk fractions of lactating rats, rabbits and quokkas. Loh TT, et al. Comp Biochem Physiol [B] 44:337-46, 15 Feb 73
Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. O'Reilly PJ, et al. Endocrinology 92:1575-8, Jun 73
Human prolactin. Daughaday WH, et al. Ergeb Physiol 67:169-94, 1972 (102 ref.)
Radioactivity in suckled rats after giving 14 C-tetrahydrocannabinol to the mother. Jakubovič A, et al. Eur J Pharmacol 22:221-3, May 73
An ultrastructural and morphometric study of the liver of the lactating cow in starvation ketosis. Reid IM. Exp Mol Pathol 18:316-30, Jun 73
The kinetic quantitation of ATP: D-glucose 6-phosphotransferases. Gumaa KA, et al. FEBS Lett 27:293-7, 1 Nov 72
Effects of short-term stress upon fertility, I. Before puberty. Paris AL, et al. Fertil Steril 24:540-5, Jul 73
Vitamin A transfer from cows to calves. Branstetter RF, et al. Int J Vitam Nutr Res 43:142-6, 1973
Certain physiological factors affecting organochlorine pesticide metabolism in ovine females. Varela-Alvarez H, et al. J Agric Food Chem 21:407-9, May-Jun 73
Effects of an antibiotic and flushing on performance of sows with short farrowing intervals. Myers DJ, et al. J Anim Sci 36:1125-8, Jun 73
Mother's milk: a medium for transmission of cues reflecting the flavor of mother's diet. Galef BG Jr, et al. J Comp Physiol Psychol 83:374-8, Jun 73
Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. J Comp Physiol Psychol 83:388-93, Jun 73
Urea utilization by lactating cows. Clark JH, et al. J Dairy Sci 56:763-74, Jun 73
Changes in the milk protein separation pattern of Israeli-Friesian cows as related to period of lactation and feeding. Gordin S, et al. J Dairy Sci 56:724-8, Jun 73
Reduction of iodine transfer to milk of cows after perchlorate ingestion. Lengemann FW. J Dairy Sci 56:753-6, Jun 73
Effect of lactose content and milking interval on mammary blood flow. Mao W, et al. J Dairy Sci 56:729-32, Jun 73
Jugular plasma concentrations of alpha amino nitrogen, amino acids, urea nitrogen, and glucose during the bovine estrous cycle. Mason BD, et al. J Dairy Sci 56:744-7, Jun 73
Effects of stress on serum zinc and plasma corticoids in dairy cattle. Wegner TN, et al. J Dairy Sci 56:748-52, Jun 73
Effect of stable flies on feed intake and milk production of dairy cows. Miller RW, et al. J Econ Entomol 66:711-3, Jun 73
Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. J Endocrinol 57:451-7, Jun 73
The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al. J Endocrinol 57:509-16, Jun 73
The stimulation by prolactin and growth hormone of fatty acid synthesis in explants from rat mammary glands. Hallowes RC, et al. J Endocrinol 57:265-76, May 73
Prolactin content of canine pituitary gland. Saluja PG, et al. J Endocrinol 57:495-500, Jun 73
Porlactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al. J Endocrinol 57:425-9, Jun 73
Milk ejection in the rat: the result of a selective release of oxytocin. Wakerley JB, et al. J Endocrinol 57:557-8, Jun 73
The milk-ejection reflex of the rat: a 20- to 40-fold acceleration in the firing of paraventricular neurones during oxytocin release. Wakerley JB, et al. J Endocrinol 57:477-93, Jun 73
A glucose-6-phosphate dehydrogenase isoenzyme characteristic of preneoplastic and neoplastic mouse mammary tissue. Hilf R, et al. J Natl Cancer Inst 50:1395-8, May 73
Mammary tumor virus (MTV) infection of CBA/Bln mice involving production of antibodies to MTV. Müller M, et al. J Natl Cancer Inst 50:713-7, Mar 73
Types B and C RNA virus in breast tissue and milk of wild mice. Rongey RW, et al. J Natl Cancer Inst 50:1581-9, Jun 73
Influence of increased postnatal nutrient intake on kidney cellular development in progeny of protein-deficient rats. Allen LH, et al. J Nutr 103:929-36, Jun 73
The separate effects of protein and calorie malnutrition on the development and growth of rat bones and teeth. DiOrio LP, et al. J Nutr 103:856-65, Jun 73
Prenatal and postnatal development after transitory gestational zinc deficiency in rats. Hurley LS, et al. J Nutr 103:649-56, May 73
A conspectus of research on calcium requirements of man. Irwin MI, et al. J Nutr 103:1019-95, Jul 73 (527 ref.)
Effect of early nutrition on adipose cellularity and pancreatic insulin release in the Zucker rat. Johnson PR, et al. J Nutr 103:738-43, May 73
Effect of dietary regimen on cessation of uptake of macromolecules by piglet intestinal epithelium (closure) and transport to the blood. Leece JG. J Nutr 103:751-6, May 73
Hepatic stearoyl-CoA desaturase activity in mice as affected by early postnatal dietary cyclopropene fatty acids. Raju PK, et al. J Nutr 103:904-7, Jun 73
Skeletal development in rats as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al. J Nutr 103:792-801, May 73
In vitro synthesis of anterior pituitary growth hormone as affected by maternal protein deprivation and postnatal food supply. Shrader RE, et al. J Nutr 103:1012-7, Jul 73
Release of vasopressin without oxytocin by nicotine injected into the cerebral ventricles of anaesthetized cats. Bisset GW, et al. J Physiol (Lond) 231:36P-37P, May 73
Plasma oestrogen, progesterone and corticoid concentrations in the pregnant, parturient and lactating sow. Ash RW, et al. J Reprod Fertil 33:359-60, May 73
Effects of lactation, suckling and oxytocin on post-partum ovulation and oestrus in ewes. Fletcher IC. J Reprod Fertil 33:293-8, May 73
Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit. Foxcroft GR, et al. J Reprod Fertil 33:367-77, Jun 73
Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. J Reprod Fertil 33:310-3, May 73
Lactose nutrition and natural selection. Flatz G, et al. Lancet 2:76-7, 14 Jul 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Regulation of hepatic cholesterol synthesis from mevalonate in suckling and weaned rats. Shah SN. Lipids 8:284-8, May 73

Fatty acid composition of rat hearts as influenced by age and dietary fatty acids. Szuhaj BF, et al. Lipids 8:241-5, May 73

Lactation inhibition. Daw E, et al. Nurs Mirror 136:18-9, 29 Jun 73

A serological investigation on adult cattle vaccinated with Brucella abortus strain 19. Worthington RW, et al. Onderstepoort J Vet Res 40:7-11, Mar 73

Movements of virgin, pregnant and lactating mice in a residential maze. Barnett SA, et al. Physiol Behav 10:741-6, Apr 73

The control and function of maternal scent marking the Mongolian gerbil. Wallace P, et al. Physiol Behav 10:463-6, Mar 73

Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al. Tohoku J Exp Med 108:199-206, Nov 72

A case of squamous cell carcinoma in a heifer associated with persistent lactation, cystic ovaries and mucometra. Jha GJ, et al. Vet Rec 92:137-8, 10 Feb 73

The effect of short lactations on the productivity of sows. Pay MG. Vet Rec 92:255-9, 10 Mar 73

[Calculation of losses in dairy cow efficiency due to mastitis-affected udders] Stěrbová J, et al. Vet Med (Praha) 18:181-93, Mar 73 (Eng. Abstr.) (Cze)

[Relation of milk-production to bovine mastitis] Zenman M, et al. Vet Med (Praha) 18:165-72, Mar 73 (Eng. Abstr.) (Cze)

[Fertility and milk production in cows of the Dutch-Friesian breed in the province of North-Holland] Koopman JJ, et al. Tijdschr Diergeneeskd 98:565-77, 15 Jun 73 (Eng. Abstr.) (Dut)

[Plasmatic concentrations of prolactin and thyrostimulating hormone during ewe milking: comparative study with effects of TRF] Kann G, et al. C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 (Fre)

[Free aminoacid blood level in goats at the beginning of lactation] Champredon C, et al. C R Soc Biol (Paris) 166:378-81, 9 Nov 72 (Fre)

[Effect of heat load on milk production in cows] Marschang F. Dtsch Tieraerztl Wochenschr 80:187-9, 15 Apr 73 (Eng. Abstr.) (Ger)

[Differential staining for the demonstration of growth hormone- and prolactin-producing cells of the anterior pituitary lobe] el-Etreby MF, et al. Histochemie 33:121-7, 1973 (Eng. Abstr.) (Ger)

[Physiological principles of lactation] Hofecker G. Wien Tieraerztl Monatsschr 60:138-42, Apr 73 (Eng. Abstr.) (Ger)

[Cytospectrophotometric and morphologic findings concerning the influence of ionizing radiation on the lactating mammary gland] Rudakov VV, et al. Arkh Anat Gistol Embriol 63:21-7, Oct 72 (Eng. Abstr.) (Rus)

[Interdependence between the content of certain components in saliva and the milk productivity of lactating cows] Gulyi MF, et al. Ukr Biokhim Zh 44:547-50, 1972 (Eng. Abstr.) (Ukr)

DRUG EFFECTS

Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al. Am J Obstet Gynecol 116:377-87, 1 Jun 73

Human chorionic somatomammotrophin and its clinical significance. Hartog M. Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)

Effect of 2-Br- -ergokryptine (CB 154) on lactation in the bitch. Mayer P, et al. Experientia 29:484-5, 15 Apr 73

Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al. J Dairy Sci 56:738-43, Jun 73

The milk-ejection reflex of the rat: an intermittent function not abolished by surgical levels of anaesthesia. Lincoln DW, et al. J Endocrinol 57:459-76, Jun 73

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. J Endocrinol 57:431-6, Jun 73

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al. J Pharm Sci 62:699-715, May 73 (200 ref.)

Milk ejection during alcohol anaesthesia in the rat. Lincoln DW. Nature 243:227-9, 25 May 73

Prolactin inhibition and suppression of puerperal lactation by a Br-erocryptine (CB 154). A comparison with estrogen. Brun del Re R, et al. Obstet Gynecol 41:884-90, Jun 73

[Plasmatic concentrations of prolactin and thyrostimulating hormone during ewe milking: comparative study with effects of TRF] Kann G, et al. C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 (Fre)

[Inhibition of lactation in the rat following administration of D-6-methyl-8-ergolin-I-yl-acetic acid-amide tartrate (VUFB-6683)] Aušková M, et al. Arzneim Forsch 23:617-8, Apr 73 (Eng. Abstr.) (Ger)

[Effect of Samorin injections on weight gain and milk supply in the West African Zebu-Azaouak cattle] Lindau M, et al. Berl Munch Tieraerztl Wochenschr 86:129-30, 1 Apr 73 (Eng. Abstr.) (Ger)

[Recommendations for general drug therapy during pregnancy] Hüter J. Z Allgemeinmed 49:519-21, 20 Apr 73 (Ger)

[Excretion of certain antibiotics with the milk] Simetskii OA. Veterinariia 12:89-90, Dec 72 (Rus)

SOMATOMEDIN

Air quality, Berlin, New Hampshire, March 1966-December 1967. Ferris BG Jr, et al. Am Rev Respir Dis 108:77-84, Jul 73

ANALYSIS

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73

BIOSYNTHESIS

Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al. S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)

BLOOD

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73

Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Kostyo JL, et al. Horm Metab Res 5:167-72, May 73

Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. J Pediatr 83:253-63, Aug 73

METABOLISM

Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage). Schimpff RM. Biomedicine 19:142-7, 10 Apr 73

Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Kostyo JL, et al. Horm Metab Res 5:167-72, May 73

Laron's dwarfism: studies on the nature of the defect. Elders MJ, et al. J Pediatr 83:253-63, Aug 73

PHARMACODYNAMICS

Evidence that endogenous cyclic AMP does not modulate serum sulfation factor action on embryonic chicken cartilage. Birch BM, et al. Biochem Biophys Res Commun 52:1184-9, 19 Jun 73

THYROID

1. Physical and Functional Aspects

THYROID GLAND

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A. **Acta Endocrinol (Kbh) 73:69-79, May 73**

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al. **Acta Endocrinol (Kbh) 73:22-34, May 73**

Porcine coronaviruses: co-infection of cell cultures with transmissible gastroenteritis virus and hemagglutinating encephalomyelitis virus. Mengeling WL. **Am J Vet Res 34:779-83, Jun 73**

The SV40 S antigen; a carcinoembryonic-type antigen of the hamster? Berman LD. **Int J Cancer 10:326-30, 15 Sep 72**

A varicella-like disease in macaque monkeys. Blakely GA, et al. **J Infect Dis 127:617-25, Jun 73**

[Thyroid gland and pregnancy] Bernheim R. **Nouv Presse Med 2:1297-300, 12 May 73 (Fre)**

[Thyroid autoantibody and thyroid function in rheumatoid arthritis] Takehisa Y, et al. **Ryumachi 12:342-7, Jan 73 (Eng. Abstr.) (Jap)**

ABNORMALITIES

An unusual thyroid gland. Leatherdale BA. **Br J Surg 60:410-3, May 73**

Agenesis of the thyroid. Tashima CK, et al. **JAMA 224:1761-2, 25 Jun 73**

Parathyroid problems. **Med J Aust 1:719-20, 14 Apr 73**

[Cryptothyroidism] Laczi F, et al. **Orv Hetil 114:1628-30, 8 Jul 73 (Hun)**

ANALYSIS

Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. **Aust NZ J Med 3:184-8, Apr 73**

An absorption correction technique for in vivo iodine quantitation by fluorescent excitation. Kaufman L, et al. **Invest Radiol 8:167-9, May-Jun 73**

An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. Jordan RK, et al. **J Anat 114:115-36, Jan 73**

Subunit heterogeneity of thyroglobulin. Spiro MJ. **J Biol Chem 248:4446-60, 25 Jun 73**

Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. **Science 180:872-5, 25 May 73**

[Functional aspects of thyroid cells studied by means of scanning electron microscopy: intracellular detection of iodine by simultaneous X-ray microdiffraction] Lavedan J, et al. **C R Acad Sci [D] (Paris) 276:1003-4, 5 Feb 73 (Fre)**

ANATOMY & HISTOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al. **Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72**

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. **Comp Biochem Physiol [A] 45:115-20, 1 May 73**

Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al. **Experientia 29:711-3, 15 Jun 73**

An evaluation of the criterion "organ weight" under conditions of growth retardation. Feron VJ, et al. **Food Cosmet Toxicol 11:85-94, Feb 73**

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci 52:712-8, Mar 73**

Longevity and organ weights of Beltsville small white parthenogens and normal turkey males. Olsen MW. **Poult Sci 52:666-70, Mar 73**

[Histological and histochemical studies on semi-thin sections] Kaissling B. **Gegenbaurs Morphol Jahrb 119:1-13, 1973 (Eng. Abstr.) (Ger)**

[Various features of the topographic relationship between the recurrent laryngeal nerve and the branches of the inferior thyroid artery] Portus RM. **Arkh Anat Gistol Embriol 63:78-82, Dec 72 (Eng. Abstr.) (Rus)**

BLOOD SUPPLY

Calcium-sensitive site in the carotid trunk at the thyroid artery issue, influencing the respiratory centre. Mosonyi L, et al. **Acta Physiol Acad Sci Hung 42:25-30, 1972**

Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism. Shimkin PM, et al. **Ann Intern Med 78:714-6, May 73**

Parathyroid localization by angiographic techniques in patients with previous neck surgery. Doppman JL, et al. **Br J Radiol 46:403-18, Jun 73**

Contemporary notions on the blood flow through the thyroid gland. Kapitola J. **Endocrinol Exp (Bratisl) 7:147-58, 1973**

Selective thyroid venous catheterisation in the localisation of parathyroid adenoma. Bilezikian JP, et al. **Lancet 1:1441-2, 23 Jun 73**

[Various features of the topographic relationship between the recurrent laryngeal nerve and the branches of the inferior thyroid artery] Portus RM. **Arkh Anat Gistol Embriol 63:78-82, Dec 72 (Eng. Abstr.) (Rus)**

CYTOLOGY

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al. **Biochim Biophys Acta 294:309-21, 19 Jan 73**

In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid. Lecocq RE, et al. **Biochim Biophys Acta 299:304-11, 19 Mar 73**

Hydrogen peroxide generating system in hog thyroid microsomes. Otaki S, et al. **Biochim Biophys Acta 292:825-33, 5 Apr 73**

Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis. Bigazzi M, et al. **Endocrinology 92:1761-7, Jun 73**

Intrathyroidal amines and the synthesis of thyroid hormone. Melander A, et al. **Endocrinology 93:193-200, Jul 73**

Scanning electron microscope observations of apical surfaces of dog thyroid cells. Ketelbant-Balasse P, et al. **Exp Eye Res 79:111-9, Apr 73**

Formation of thyroid follicular lumina in rat embryos studied with serial fine sections. Calvert R, et al. **Gen Comp Endocrinol 20:584-7, Jun 73**

An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. Jordan RK, et al. **J Anat 114:115-36, Jan 73**

The binding of thyrotropin to isolated bovine thyroid

LIBRARY U. OF I., URBANA-CHAMPAIGN

plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
Bovine thyroid cytosol glutamate dehydrogenase. Larson JD, et al. Life Sci [II] 12:73-8, 22 Jan 73
Thyroidal K + -activated p-nitrophenylphosphatase activity. Stefanović V, et al.
Life Sci [II] 11:1117-22, 22 Nov 72
Thyroidal 131 I uptake of Japanese quail in response to three different dietary goitrogens. Howarth B Jr, et al. Poult Sci 52:326-31, Jan 73
Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. Science 180:872-5, 25 May 73
The early development of the median thyroid gland of the mouse. A light-, electron-microscopic and histochemical study. Romert P, et al.
Z Anat Entwicklungsgesch 139:319-36, 16 Apr 73
[Functional aspects of thyroid cells studied by means of scanning electron microscopy: intracellular detection of iodine by simultaneous X-ray microdiffraction] Lavedan J, et al.
C R Acad Sci [D] (Paris) 276:1003-4, 5 Feb 73 (Fre)
[Morphological kinetics and cytochemistry of the thyroid gland. Electron microscopy-cytochemical and radioautographic study in the golden hamster (Cricetus auratus)] Lietz H.
Z Zellforsch Mikrosk Anat 138:509-84, 1973 (Eng. Abstr.) (Ger)
[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Histochemical properties of "C" cells and solid thyroid cancers with stromal amyloidosis] Mikhailov IG. Vopr Onkol 18:13-8, 1972 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Time course for the effect of lithium on thyroid function in men and women. Fyrö B, et al.
Acta Psychiatr Scand 49:230-6, 1973
Pharmacokinetics of lithium in manic-depressive patients. Fyrö B, et al.
Acta Psychiatr Scand 49:237-47, 1973
The optimal program for prophylaxis of endemic goiter with iodized oil. Pretell EA.
Adv Exp Med Biol 30:267-88, 1972
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al.
Arch Gen Psychiatry 29:28-32, Jul 73
In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid. Lecocq RE, et al.
Biochim Biophys Acta 299:304-11, 19 Mar 73
Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
A comparison of the effects of mammalian TSH on the thyroid glands of the teleost Galeichthys felis and the elasmobranch Dasyatis sabina. Jackson RG, et al.
Comp Biochem Physiol [A] 44:867-70, 1 Mar 73
Goitrogenic activity of Okoho (a Nigerian edible plant). Ekpechi OL. Endocrinol Exp (Bratisl) 7:91-8, 1973
Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al.
Endocrinology 92:1731-5, Jun 73
Intrathyroidal amines and the synthesis of thyroid hormone. Melander A, et al.
Endocrinology 93:193-200, Jul 73
Scanning electron microscope observations of apical surfaces of dog thyroid cells. Ketelbant-Balasse P, et al. Exp Eye Res 79:111-9, Apr 73
Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al.
Experientia 29:711-3, 15 Jun 73
Lithium: useful drug or hazardous teratogen?
Food Cosmet Toxicol 11:135-9, Feb 73 (37 ref.)
Failure of mammalian TRH to stimulate thyroid function in the lungfish. Gorbman A, et al.
Gen Comp Endocrinol 20:588-9, Jun 73
Effects of one-year administration of ethylenethiourea upon the thyroid of the rat. Graham SL, et al.
J Agric Food Chem 21:324-9, May-Jun 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. J Biol Chem 248:4327-33, 25 Jun 73
Thyroid function in molybdenotic rabbits.
Widjajakusuma MC, et al.
J Endocrinol 57:419-24, Jun 73
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73
Rapeseed meal. IV. Continuous water extraction and short-term feeding studies in rats with the detoxified product. Ballester D, et al.
J Sci Food Agric 24:127-38, Feb 73
Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al.
Lancet 1:889, 21 Apr 73
The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al.
Poult Sci 52:712-8, Mar 73
Influence of method of administering thiouracil on thyroid variability. Marks HL, et al.
Poult Sci 52:383-5, Jan 73
Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. Science 180:872-5, 25 May 73
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
[Functional aspects of thyroid cells studied by means of scanning electron microscopy: intracellular detection of iodine by simultaneous X-ray microdiffraction] Lavedan J, et al.
C R Acad Sci [D] (Paris) 276:1003-4, 5 Feb 73 (Fre)
[Effect of thyroxine on the mitoric index in the thyroid gland in newborn white rats] George Y, et al.
C R Soc Biol (Paris) 166:1349-52, 1972 (Fre)
[Histological findings in the rat thyroid after administration of methylthiouracil in comparison to clinical parameters] Matthiesen T, et al.
Arzneim Forsch 22:2121-3, Dec 72 (Eng. Abstr.) (Ger)
[Inhibition of thyroid uptake of radioactive iodine by a cardiac glycoside] Mustafá A, et al.
Arch Inst Cardiol Mex 43:288-92, Mar-Apr 73 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Embryogenesis of the ear and its central projection. Costa A. Adv Exp Med Biol 30:291-303, 1972
Development of the thyroid control system. Nershman JM, et al. Adv Exp Med Biol 30:417-28, 1972
An unusual thyroid gland. Leatherdale BA.
Br J Surg 60:410-3, May 73
Formation of thyroid follicular lumina in rat embryos studied with serial fine sections. Calvert R, et al.
Gen Comp Endocrinol 20:584-7, Jun 73
An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. Jordan RK, et al. J Anat 114:115-36, Jan 73
Congenital cyst of the thyroid. Roediger WE, et al.
S Afr Med J 47:1120-2, 30 Jun 73
The early development of the median thyroid gland of the mouse. A light-, electron-microscopic and histochemical study. Romert P, et al.
Z Anat Entwicklungsgesch 139:319-36, 16 Apr 73
[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)
[Cryptothyroidism] Laczi F, et al.
Orv Hetil 114:1628-30, 8 Jul 73 (Hun)

ENZYMOLOGY

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al.
Biochim Biophys Acta 294:309-21, 19 Jan 73
Hydrogen peroxide generating system in hog thyroid microsomes. Otaki S, et al.
Biochim Biophys Acta 292:825-33, 5 Apr 73
Age-related change of LDH activity and isoenzyme patterns in the bovine fetus. Davis RM, et al.
Biol Neonate 22:64-77, 1973
Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
Comparative study of peroxidases from the thyroid and the submaxillary gland of goat (Capra hiscus). Haldar I, et al. Comp Biochem Physiol [B] 44:517-27, 15 Feb 73

Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis. Bigazzi M, et al.
Endocrinology 92:1761-7, Jun 73

The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73

The effect of inhibitors of thyroid monoamine oxidase on the incorporation of iodine into thyroid slice protein. Huang CL, et al.
Life Sci [II] 11:975-82, 22 Oct 72

Bovine thyroid cytosol glutamate dehydrogenase. Larson JD, et al. **Life Sci [II] 12:73-8, 22 Jan 73**

Thyroidal K + -activated p-nitrophenylphosphatase activity. Stefanović V, et al.
Life Sci [II] 11:1117-22, 22 Nov 72

The early development of the median thyroid gland of the mouse. A light-, electron-microscopic and histochemical study. Romert P, et al.
Z Anat Entwicklungsgesch 139:319-36, 16 Apr 73

[Development of peroxidase activity and organification of iodide in the thyroid gland of Xenopus laevis (Daudin) during metamorphosis] Regard E, et al.
C R Acad Sci [D] (Paris) 276:121-3, 3 Jan 73 (Fre)

[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72

[Effect of thyroxine on the mitoric index in the thyroid gland in newborn white rats] George Y, et al.
C R Soc Biol (Paris) 166:1349-52, 1972 (Fre)

IMMUNOLOGY

Replicative life-span of cultured skin fibroblasts from young mothers of subjects with Down's syndrome: failure to detect accelerated ageing. Fialkow PJ, et al.
Am J Hum Genet 25:317-22, May 73

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73

Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72

Leucocyte migration inhibition with mitochondria in human autoimmune thyroid disorders. Wartenberg J, et al. **Clin Exp Immunol 14:203-12, Jun 73**

The leukocyte migration test in human thyroid autoimmunity. Correlations with other immunological reactions. Delespesse G, et al.
Horm Metab Res 5:176-9, May 73

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al.
Immunology 24:859-70, May 73

Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:396-408, 1973

Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. **JAMA 224:1610-3, 18 Jun 73**

Autoantibodies in leprosy. Wright DJ.
Lancet 819:40, 7 Jul 73

Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. **N Engl J Med 288:1313-7, 21 Jun 73**

[Thymoma with erythroblastopenia. Dilatation of the bronchi. Monoclonal paraprotein and medullary plasmacytosis] Leménager J, et al.
Rev Tuberc Pneumol (Paris) 36:966-75, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Humoral immune reactivity in relation to the thyroid gland] Torgyán S, et al.
Orv Hetil 114:1356-7, 10 Jun 73 (Hun)

[Immunofluorescence technic in thyroid immunopathies] Torgyán S, et al.
Orv Hetil 114:1476-80, 24 Jun 73 (Hun)

[Thyroid autoantibody and thyroid function in rheumatoid arthritis] Takehisa Y, et al.
Ryumachi 12:342-7, Jan 73 (Eng. Abstr.) (Jap)

INNERVATION

[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

METABOLISM

Hormonogenesis in whole and sliced rat thyroid lobes maintained in organ cultures. Beck R, et al.
Acta Endocrinol (Kbh) 73:59-63, May 73

Time course for the effect of lithium on thyroid function in men and women. Fyrö B, et al.
Acta Psychiatr Scand 49:230-6, 1973

A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. **Adv Exp Med Biol 30:115-7, 1972**

Thyroid function tests in endemic cretinism. Hershman JM. **Adv Exp Med Biol 30:161-74, 1972**

Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol 30:417-28, 1972**

Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN.
Am J Physiol 224:1388-90, Jun 73

Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing hormone (TRH). Breneman WR, et al.
Biochem Biophys Res Commun 52:189-94, 1 May 73

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al.
Biochim Biophys Acta 294:309-21, 19 Jan 73

In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid. Lecocq RE, et al.
Biochim Biophys Acta 299:304-11, 19 Mar 73

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73

Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73

The circannual variations of thyroid activity in the woodchuck (Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-80, 1 Mar 73

Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis. Bigazzi M, et al.
Endocrinology 92:1761-7, Jun 73

Accumulation of 35 S-thiouracil by the rat thyroid gland. Lees J, et al. **Endocrinology 93:162-71, Jul 73**

Intrathyroidal amines and the synthesis of thyroid hormone. Melander A, et al.
Endocrinology 93:193-200, Jul 73

Rates of colloid droplet and apical vesicle production and membrane turnover during thyroglobulin secretion and resorption. Wollman SH, et al.
Endocrinology 93:248-52, Jul 73

Thyrotropin--a lipolytic hormone? Stevenson PM, et al.
Eur J Biochem 35:318-25, Jun 73

Comparative studies on the 125 I uptake of the thyroid and thymus. Csaba G, et al.
Experientia 29:357-8, 15 Mar 73

Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells. Dencker L, et al. **Experientia 29:719-22, 15 Jun 73**

Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al.
Experientia 29:711-3, 15 Jun 73

Pattern of cold adaptation in women divers of Korea (ama). Hong SK. **Fed Proc 32:1614-22, May 73**

Failure of mammalian TRH to stimulate thyroid function in the lungfish. Gorbman A, et al.
Gen Comp Endocrinol 20:588-9, Jun 73

The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73

Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. **J Endocrinol 57:539-48, Jun 73**

Response of tail fin of Proteus anginus to thyroxine. Svob M, et al. **J Exp Zool 184:341-4, Jun 73**

The effect of inhibitors of thyroid monoamine oxidase

LIBRARY U. OF I., URBANA-CHAMPAIGN

on the incorporation of iodine into thyroid slice protein. Huang CL, et al.
Life Sci [II] 11:975-82, 22 Oct 72

Tritiated 5-hydroxytryptamine uptake of the mast cells in the rat thyroid gland. Csaba G, et al.
Neuroendocrinology 12:67-70, 1973

Effect of photic stimulation on hypothalamic electroencephalograph and thyroid activity in the chicken. Shimada K, et al.
Neuroendocrinology 12:142-8, 1973

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**

Thyroidal 131 I uptake of Japanese quail in response to three different dietary goitrogens. Howarth B Jr, et al. **Poult Sci 52:326-31, Jan 73**

Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding globulin technique. May JD, et al.
Poult Sci 52:688-92, Mar 73

The reaction of N-iodosuccinimide with the goitrogens: a model for the active iodine of the thyroid gland. Jirousek L, et al.
Proc Natl Acad Sci USA 70:1401-5, May 73

Some metabolic effects of bufotenin on the central nervous system in rats. Ardeleanu A, et al.
Rev Roum Physiol 10:221-7, 1973

Carbonic anhydrase quantity of red blood cells in morbus basedowii. Mochizuki K.
Tohoku J Exp Med 108:401-9, Dec 72

The absorption, distribution, excretion and metabolism of (2- 14 C)methimazole in rat. Skellern GG, et al.
Xenobiotica 3:121-32, Feb 73

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)

[Development of peroxidase activity and organification of iodide in the thyroid gland of Xenopus laevis (Daudin) during metamorphosis] Regard E, et al.
C R Acad Sci [D] (Paris) 276:121-3, 3 Jan 73 (Fre)

[Evaluation of hormonal activity in culture of thyroid explants of Gobius niger L] Bonnin JP, et al.
C R Soc Biol (Paris) 166:347-50, 9 Nov 72 (Fre)

[Hypophyseal thyreostimulin and thyroid iodinated amino acids as a function of lighting in adult rabbits] Dale A, et al.
C R Soc Biol (Paris) 166:1296-301, 1972 (Fre)

[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)

[The state of iodine metabolism following gamma therapy of oncologic patients] Balybin ES, et al.
Med Radiol (Mosk) 17:30-3, Oct 72 (Eng. Abstr.) (Rus)

[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al.
Med Radiol (Mosk) 17:33-7, Oct 72 (Eng. Abstr.) (Rus)

[Study of the bone system with Ga67] Mechev DS, et al.
Med Radiol (Mosk) 18:8-12, Mar 73 (Rus)

[Inhibition of thyroid uptake of radioactive iodine by a cardiac glycoside] Mustafé A, et al.
Arch Inst Cardiol Mex 43:288-92, Mar-Apr 73 (Eng. Abstr.) (Spa)

[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al.
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Eng. Abstr.) (Spa)

PATHOLOGY

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:148-54, 1973

Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972

The neuropathology of congenital hypothyroidism. Rosman NP. **Adv Exp Med Biol 30:337-66, 1972**

An unusual thyroid gland. Leatherdale BA.
Br J Surg 60:410-3, May 73

Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Gordon PR, et al.
Cancer 31:915-24, Apr 73

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al.
Comp Biochem Physiol [A] 45:115-20, 1 May 73

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al.
Immunology 24:859-70, May 73

Scanning in non-toxic nodular goitres. Ramanna L, et al.
Indian J Cancer 10:55-9, Mar 73

Thyroid function in molybdenotic rabbits. Widjajakusuma MC, et al.
J Endocrinol 57:419-24, Jun 73

Congenital cyst of the thyroid. Roediger WE, et al.
S Afr Med J 47:1120-2, 30 Jun 73

[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al.
Sem Hop Paris 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)

[Amyloidosis of the thyroid and bladder] Naud A, et al.
Union Med Can 102:353-6, Feb 73 (Eng. Abstr.) (Fre)

[Histological findings in the rat thyroid after administration of methylthiouracil in comparison to clinical parameters] Matthiesen T, et al.
Arzneim Forsch 22:2121-3, Dec 72 (Eng. Abstr.) (Ger)

[Cryptothyroidism] Laczi F, et al.
Orv Hetil 114:1628-30, 8 Jul 73 (Hun)

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)

[Antibody formation under conditions of iodine deficiency in nutrition] Zel'tser ME, et al.
Vopr Pitan 31:25-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Karyometric study of thyroid follicular cells in phenylketonuric animals] Pasquier Rivero DA, et al.
Rev Clin Esp 127:1047-50, 31 Dec 72 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Mobilization of the epithelial potencies of the thymus by physiological and non-physiological inducers. Csaba G. **Acta Biol Acad Sci Hung 23:237-45, 1972**

The effect of the thyroid gland on the histamine and 5-hydroxytryptamine level of dog, rabbit and rat tissues. Csaba B, et al.
Acta Physiol Acad Sci Hung 42:41-7, 1972

Calciun-sensitive site in the carotid trunk at the thyroid artery issue, influencing the respiratory centre. Mosonyi L, et al.
Acta Physiol Acad Sci Hung 42:25-30, 1972

Effects of hormones and nutrition on brain development. Balàzs R.
Adv Exp Med Biol 30:385-415, 1972 (85 ref.)

The effects of thyroid hormone on protein synthesis in the central nervous system of developing mammals. Dunn JT. **Adv Exp Med Biol 30:367-83, 1972**

Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al.
Am J Obstet Gynecol 116:905-10, 1 Aug 73

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN.
Am J Physiol 224:1388-90, Jun 73

Thyrotropin releasing hormone: secretion and actions. Wilber JF. **Annu Rev Med 24:353-64, 1973 (98 ref.)**

Behavioral studies in mice selectively bred for differences in thyroid function. Blizard DA, et al.
Behav Genet 2:301-9, Dec 72

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al.
Comp Biochem Physiol [A] 45:115-20, 1 May 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73

Rates of colloid droplet and apical vesicle production and membrane turnover during thyroglobulin secretion and resorption. Wollman SH, et al.
Endocrinology 93:248-52, Jul 73

Triiodothyronine action on RNA synthesis in rat-liver mitochondria. Gadaleta MN, et al.
Eur J Biochem 30:376-81, Oct 72

Scanning electron microscope observations of apical surfaces of dog thyroid cells. Ketelbant-Balasse P, et al. **Exp Eye Res 79:111-9, Apr 73**

Age dependent changes in the susceptibility of parathyroidectomized, pinealectomized rats to

seizures. Pomerantz G, et al.
Exp Neurol 40:254-7, Jul 73
On the effect of thyroid hormone on 26-hydroxylation of C 27 -steroids in rat liver. Björkhem I, et al.
FEBS Lett 31:20-2, 1 Apr 73
The influence of gastrin on the fecal and urinary excretion of water, calcium, magnesium, and inorganic phosphorus in sheep. Barlet JP.
Horm Metab Res 5:124-8, Mar 73
Effect of neonatal thyroidectomy on glycolipid metabolism in developing rat brain. Kokrady S, et al.
Indian J Biochem Biophys 9:135-7, Jun 72
Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al.
J Biol Chem 248:4716-23, 10 Jul 73
Male hormone and thyroid function in the Indian garden lizard, Calotes versicolor. Chandola A, et al.
J Endocrinol 57:325-6, May 73
Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73
Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al.
Metabolism 22:859-65, Jul 73
Dietary self-selection, activity and carcass composition of rats fed thiouracil. Leshner AI, et al.
Physiol Behav 10:373-8, Feb 73
[32P phosphate and 3H palmitic acid incorporation in liver lipids of normal and thyroidectomized rats] Clouet E, et al.
Arch Sci Physiol (Paris) 26:257-65, 1972 (Fre)
[Existence of an important fraction of "non-hormonal" iodized proteins in the PBI of birds] Astier H.
C R Acad Sci [D] (Paris) 676:793-6, 29 Jan 73 (Fre)
[35 SO 4 Na 2 incorporation in thyreotropic cells after thyroidectomy in mice] Deminatti M.
C R Soc Biol (Paris) 166:1316-8, 1972 (Fre)
[Variations of thyroid activity as a function of illumination in the rabbit] Berthelot A, et al.
J Physiol (Paris) 65:Suppl 3:352A, 1972 (Fre)
[Influence of thyroid hormones on the thermogenetic effect of epinephrine in the medulloadrenalectomized dog] Therminarias A, et al.
J Physiol (Paris) 65:Suppl 3:510A, 1972 (Fre)
[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)
[Morphological kinetics and cytochemistry of the thyroid gland. Electron microscopy-cytochemical and radioautographic study in the golden hamster (Cricetus auratus)] Lietz H.
Z Zellforsch Mikrosk Anat 138:569-84, 1973 (Eng. Abstr.) (Ger)
[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)
[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)
[Effect of methylmercaptoimidazole on the enzyme activity in the myocardium of normal and thyroidectomized guinea pigs] Mitev IP, et al.
Ukr Biokhim Zh 45:170-3, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)
[Effect of lipolytic hormones on release of FFA from adipose tissue of thyroidectomized rats and treated with thyroxine in vitro] Kovačev VP, et al.
God Zb Med Fak Skopje 18:105-11, 1972 (Eng. Abstr.) (Ser)
[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

PHYSIOPATHOLOGY

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF.
Acta Endocrinol (Kbh) 73:35-42, May 73
Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)
The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972
Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
The optimal program for prophylaxis of endemic goiter with iodized oil. Pretell EA.
Adv Exp Med Biol 30:267-88, 1972
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72
The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12a:2221-, Dec 72 (Eng. Abstr.) (Ger)
[Adrenal cortex and thyroid gland activity in alcoholism and polytoxicomania] Klempel K.
Nervenarzt 44:268-72, May 73 (Ger)
[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)
[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)
[Thyroid autoantibody and thyroid function in rheumatoid arthritis] Takehisa Y, et al.
Ryumachi 12:342-7, Jan 73 (Eng. Abstr.) (Jap)
[Thyroid gland activity in piglets suffering from endotoxic shock following intravenous injection of a lipopolysaccharide fraction of beta-hemolytic E. coli] Janiak T, et al.
Pol Arch Weter 15:749-56, 1972 (Eng. Abstr.) (Pol)
[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)
[Functional state of the thyroid gland in hyperbaric oxygenation] Iukhimets AD, et al.
Patol Fiziol Eksp Ter 17:76-8, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Changes in the cartilage growth plate in experimental hypothyroidism] Peneva L, et al.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al.
Probl Endokrinol (Mosk) 19:75-80, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Effect of cervical sympathectomy on thyroid functional activity under conditions of weakened hypophyseal thyrotropic function] Aivazian LK.
Zh Eksp Klin Med 12:13-8, 1972 (Rus)

RADIATION EFFECTS

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72
Radiation risk in pregnancy. Sternberg J.
Clin Obstet Gynecol 16:235-78, Mar 73 (23 ref.)
Factors affecting transfer of experimental

LIBRARY U. OF I., URBANA-CHAMPAIGN

autoimmune thyroiditis in rats. Rose NR, et al. **Immunology 24:859-70, May 73**

RADIOGRAPHY

[X-ray picture of the thyroid gland, especially lymphography of the thyroid gland, and its use for the diagnosis of cervical lymph node metastases] Reinhardt K.
Roentgenblaetter 26:49-55, Feb 73 (Eng. Abstr.) (Ger)

SECRETION

Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol 30:417-28, 1972**
A comparison of the effects of mammalian TSH on the thyroid glands of the teleost Galeichthys felis and the elasmobranch Dasyatis sabina. Jackson RG, et al. **Comp Biochem Physiol [A] 44:867-70, 1 Mar 73**
Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. **Comp Biochem Physiol [A] 45:115-20, 1 May 73**
Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al. **Horm Metab Res 5:48-50, Jan 73**
Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al. **Lancet 1:889, 21 Apr 73**
[Evaluation of hormonal activity in culture of thyroid explants of Gobius niger L] Bonnin JP, et al. **C R Soc Biol (Paris) 166:347-50, 9 Nov 72 (Fre)**
[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV. **Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)**

SURGERY

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al. **Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)**
[Surgical intervention on the thyroid gland in patients with lymphogranulomatosis] Apasov GN, et al. **Vestn Khir 110:29-33, Jan 73 (Eng. Abstr.) (Rus)**

TRANSPLANTATION

[Homotransplantation of the thyroid-parathyroid complex in myxedema] Tochilin VI. **Khirurgiia (Mosk) 48:20-4, Sep 72 (Eng. Abstr.) (Rus)**

THYROID GLAND FUNCTION TESTS

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF. **Acta Endocrinol (Kbh) 73:35-42, May 73**
Time course for the effect of lithium on thyroid function in men and women. Fyrö B, et al. **Acta Psychiatr Scand 49:230-6, 1973**
Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol 30:429-40, 1972 (49 ref.)**
Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al. **Adv Exp Med Biol 30:87-113, 1972**
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. **Adv Exp Med Biol 30:115-7, 1972**
Thyroid function tests in endemic cretinism. Hershman JM. **Adv Exp Med Biol 30:161-74, 1972**
Himalayan cretinism. Ibbertson HK, et al. **Adv Exp Med Biol 30:51-69, 1972**
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. **Adv Exp Med Biol 30:3-17, 1972**
Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med 18:303-23, 1972 (38 ref.)**
Thyroid function tests. Sterling K. **Adv Intern Med 18:345-62, 1972 (106 ref.)**
Effect of triiodothyronine on some metabolic responses of obese patients. Bray GA, et al. **Am J Clin Nutr 26:715-21, Jul 73**
Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med 54:782-7, Jun 73**
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**
Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al. **Am J Obstet Gynecol 116:905-10, 1 Aug 73**
Behavioral studies in mice selectively bred for differences in thyroid function. Blizard DA, et al. **Behav Genet 2:301-9, Dec 72**
An unusual thyroid gland. Leatherdale BA. **Br J Surg 60:410-3, May 73**
Discriminant valve of thyroid function tests. Crooks J. **Br Med J 2:488, 26 May 73**
Grades of hypothyroidism. Harvey RF. **Br Med J 2:488-9, 26 May 73**
A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al. **Clin Chim Acta 45:255-9, 18 May 73**
Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al. **Clin Endocrinol (Oxf) 1:45-56, Jan 72**
Comparison of anxiety in thyrotoxic and neurotic patients using skin conductance measurements. Morakinyo VO, et al. **Clin Endocrinol (Oxf) 1:355-62, Oct 72**
Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. **Comp Biochem Physiol [A] 45:115-20, 1 May 73**
Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF. **Comp Biochem Physiol [A] 44:911-7, 1 Mar 73**
The circannual variations of thyroid activity in the woodchuck (Marmota monax). Wenberg GM, et al. **Comp Biochem Physiol [A] 44:775-80, 1 Mar 73**
Fundamentals of radionuclide thyroid evaluation. Zager P, et al. **Conn Med 37:299-302, Jun 73**
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**
Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al. **Horm Metab Res 5:48-50, Jan 73**
Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. **Int Surg 58:482-4, Jul 73**
Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL. **J Am Geriatr Soc 21:271-4, Jun 73**
Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al. **J Clin Endocrinol Metab 36:1050-7, Jun 73**
Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al. **J Clin Endocrinol Metab 36:1196-204, Jun 73**
Thyroid function in molybdenotic rabbits. Widjajakusuma MC, et al. **J Endocrinol 57:419-24, Jun 73**
Development of a single, simple in vitro thyroid function test. Mincey EK, et al. **J Nucl Biol Med 16:58-61, Apr-Jun 72**
Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al. **J Reprod Med 11:19-22, Jul 73**
Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. **JAMA 224:1610-3, 18 Jun 73**
Agenesis of the thyroid. Tashima CK, et al. **JAMA 224:1761-2, 25 Jun 73**
The empty-sella syndrome. Faglia G, et al. **Lancet 2:149, 21 Jul 73**
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet 1:854-7, 21 Apr 73**
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. **Lancet 2:67-70, 14 Jul 73**
The thyroid gland in pregnancy. Burrow GN. **Major Probl Obstet Gynecol 3:1-138, 1972**
Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am 57:1117-33, Jul 73 (67 ref.)**
The effect on serum iodine levels of painting tincture of iodine on the skin. Reeve TS, et al. **Med J Aust 1:891-2, 5 May 73**
Endocrine exophthalmos during lithium therapy of manic-depressive disease. Segal RL, et al. **N Engl J Med 289:136-8, 19 Jul 73**
Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE. **Neuroendocrinology 10:273-81, 1972**
Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med 66:441-2, May 73**
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al. **Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)**
[Peripheral myxedema; amenorrhea-galacorrhea;

radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Cushing's disease with pituitary tumor] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Free thyroxine index: measurement method and value] Linquette M, et al.
Lille Med 18:1-6, Jun 73 (Fre)

[Serum hormonal iodine, blood eosinophils and basophils] Plette C, et al.
Pathol Biol (Paris) 21:405-10, Apr 73 (Eng. Abstr.) (Fre)

[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al.
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Critical study of 2 methods of thyroid function testing in vitro] Potton F, et al.
Rev Fr Endocrinol Clin 13:131-46, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Precautions to be taken for purposes of analyses] Laederer R, et al.
Rev Med Suisse Romande 92:885-906, Nov 72 (Fre)

[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12a:2221-, Dec 72 (Eng. Abstr.) (Ger)

[Radiological medical check-ups of the thyroid gland] Grebe SF. **Z Allgemeinmed 49:762-7, 10 Jun 73 (Ger)**

[Various aspects of senile hyperthyroidism] Vailati G, et al. **Minerva Med 64:1298-305, 18 Apr 73 (Ita)**

[Examination of TSH (thyroid stimulating hormone) test using T4 level in the blood as an index] Baba S, et al. **Clin Endocrinol (Tokyo) 21:67-72, Jan 73 (Jap)**

[New method in thyroid gland function tests--Res-O-Mat ETR] Miyoshi M, et al.
Clin Endocrinol (Tokyo) 20:985-8, Nov 72 (Jap)

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al.
Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

[ETR-test during pregnancy] Hishida T, et al.
Jap J Nucl Med 9:569-72, Dec 72 (Eng. Abstr.) (Jap)

[Thyroid autoantibody and thyroid function in rheumatoid arthritis] Takehisa Y, et al.
Ryumachi 12:342-7, Jan 73 (Eng. Abstr.) (Jap)

[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al.
Med Radiol (Mosk) 17:33-7, Oct 72 (Eng. Abstr.) (Rus)

[Quantitative assessment of iodine metabolism in the body] Mirkhodzhaev AKh.
Med Radiol (Mosk) 18:17-21, Mar 73 (Eng. Abstr.) (Rus)

[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Comparative clinico-morphological characteristics of endemic goiter in the Amur Province] Grigoriev PIa, et al. **Vestn Khir 110:37-40, Jan 73 (Eng. Abstr.) (Rus)**

[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al.
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Eng. Abstr.) (Spa)

HISTORY

Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation. (Berson SA), (Yalow RS), Schwartz IL.
Mt Sinai J Med NY 40:284-94, May-Jun 73

INSTRUMENTATION

[A new in vitro thyroid function test with "Res-O-Mat ETR" diagnostic kit] Nakagawa S, et al.
Jap J Nucl Med 9:551-60, Dec 72 (Eng. Abstr.) (Jap)

STANDARDS

131 I thyroid uptakes: capsule versus liquid. Halpern S, et al. **J Nucl Med 14:507-10, Jul 73**

[Experiments with a digital model in monitoring thyroid function during inhibited iodine transport in a sequence of organisms] Sudova K, et al.
Sb Lek 75:215-24, Jul 73 (Eng. Abstr.) (Cze)

THYROIDECTOMY

The effect of the thyroid gland on the histamine and 5-hydroxytryptamine level of dog, rabbit and rat tissues. Csaba B, et al.
Acta Physiol Acad Sci Hung 42:41-7, 1972

Calcium-sensitive site in the carotid trunk at the thyroid artery issue, influencing the respiratory centre. Mosonyi L, et al.
Acta Physiol Acad Sci Hung 42:25-30, 1972

Studies on the effect of thyroidectomy on the insulin response to hyperglycaemia in the dog. Renauld A, et al. **Acta Physiol Lat Am 23:29-36, 1973**

Effects of hormones and nutrition on brain development. Balázs R.
Adv Exp Med Biol 30:385-415, 1972 (85 ref.)

The effects of thyroid hormone on protein synthesis in the central nervous system of developing mammals. Dunn JT. **Adv Exp Med Biol 30:367-83, 1972**

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73

The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al.
Ann Surg 177:643-7, Jun 73

Unusual skin eruption with eosinophilia associated with hyperthyroidism. Pegum JS, et al.
Br J Dermatol 88:295-301, Mar 73

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Davis SL, et al. **Endocrinology 92:1736-9, Jun 73**

Triiodothyronine action on RNA synthesis in rat-liver mitochondria. Gadaleta MN, et al.
Eur J Biochem 30:376-81, Oct 72

On the effect of thyroid hormone on 26-hydroxylation of C 27 -steroids in rat liver. Björkhem I, et al.
FEBS Lett 31:20-2, 1 Apr 73

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**

The influence of gastrin on the fecal and urinary excretion of water, calcium, magnesium, and inorganic phosphorus in sheep. Barlet JP.
Horm Metab Res 5:124-8, Mar 73

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al.
Immunology 24:859-70, May 73

Effect of neonatal thyroidectomy on glycolipid metabolism in developing rat brain. Kokrady S, et al.
Indian J Biochem Biophys 9:135-7, Jun 72

LIBRARY U. OF I., URBANA-CHAMPAIGN

Review of surgical treatment of 90 cases of cancer of the thyroid. Caracciolo PR. Int Surg 58:402-5, Jun 73

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al. J Biol Chem 248:4716-23, 10 Jul 73

Differential uptake of 125 I - and 99m TcO 4 - in a histologically unusual metastatic thyroid carcinoma. Schall GL, et al. J Surg Oncol 5:235-42, 1973

Thyroid carcinoma and radiation. A Chicago endemic. DeGroot L, et al. JAMA 225:487-91, 30 Jul 73

The recurrent laryngeal nerve and thyroidectomy. Holl-Allen RT. Lancet 1:933, 28 Apr 73

The recurrent laryngeal nerve and thyroidectomy. Riddell V. Lancet 1:1190, 26 May 73

Indications for thyroidectomy. Lancet 2:82, 14 Jul 73

Parathyroid problems. Med J Aust 1:719-20, 14 Apr 73

Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al. Metabolism 22:859-65, Jul 73

Emergency thyroidectomy. Bodon GR. NY State J Med 73:1322-4, 1 Jun 73

Effect of thyroidectomy on conversion of cholesterol into bile acids. Byers SO, et al. Proc Soc Exp Biol Med 143:551-5, Jun 73

Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

The continuing development of the technique of thyroidectomy. Thompson NW, et al. Surgery 73:913-27, Jun 73

Orbital decompression in thyroid disease. Crombie AL. Trans Ophthalmol Soc UK 92:329-34, 1972

Medial decompression of the orbit for endocrine exophthalmos. Smith VH. Trans Ophthalmol Soc UK 92:485-90, 1972

[Thyrotropic hormone in the pathogenesis of recurrences of struma] Milanov St, et al. Vutr Boles 12:49-53, 1973 (Eng. Abstr.) (Bul)

[32P phosphate and 3H palmitic acid incorporation in liver lipids of normal and thyroidectomized rats] Clouet E, et al. Arch Sci Physiol (Paris) 26:257-65, 1972 (Fre)

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[35 SO 4 Na 2 incorporation in thyreotropic cells after thyroidectomy in mice] Deminatti M. C R Soc Biol (Paris) 166:1316-8, 1972 (Fre)

[Effect of thyroidectomy on compensatory adrenal hypertrophy] Zizine L. C R Soc Biol (Paris) 166:285-7, 9 Nov 72 (Fre)

[Effects of thyroidectomy on hepatic steatosis induced by administration of CCL 4 in the mature and immature rat] Paris R, et al. J Physiol (Paris) 65:Suppl 3:464A, 1972 (Fre)

[Influence of thyroid hormones on the thermogenetic effect of epinephrine in the medulloadrenalectomized dog] Therminarias A, et al. J Physiol (Paris) 65:Suppl 3:510A, 1972 (Fre)

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al. Minerva Urol 28:855-61, 1973 (Fre)

[Cryptothyroidism] Laczi F, et al. Orv Hetil 114:1628-30, 8 Jul 73 (Hun)

[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al. Probl Endokrinol (Mosk) 19:75-80, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Effect of methylmercaptoimidazole on the enzyme activity in the myocardium of normal and thyroidectomized guinea pigs] Mitev IP, et al. Ukr Biokhim Zh 45:170-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI. Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

[Results of the surgical treatment of papillary cancer of the thyroid] Valdina EA. Vopr Onkol 19:8-12, May 73 (Eng. Abstr.) (Rus)

[Effect of thyroidectomy and thyroxine on free fatty acids, glucose and ketone bodies in the blood] Kovačev VP, et al. God Zb Med Fak Skopje 18:31-7, 1972 (Eng. Abstr.) (Ser)

[Effect of lipolytic hormones on release of FFA from adipose tissue of thyroidectomized rats and treated with thyroxine in vitro] Kovačev VP, et al. God Zb Med Fak Skopje 18:105-11, 1972 (Eng. Abstr.) (Ser)

[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV. Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

ADVERSE EFFECTS

Review of surgical treatment of 90 cases of cancer of the thyroid. Caracciolo PR. Int Surg 58:402-5, Jun 73

Basal ganglia calcification in postoperative hypoparathyroidism. Smith KD, et al. NY State J Med 73:1807-9, 1 Jul 73

The continuing development of the technique of thyroidectomy. Thompson NW, et al. Surgery 73:913-27, Jun 73

[Various localizations of arteriovenous fistulas secondary to surgical interventions] Montorsi W, et al. Minerva Cardioangiol 21:335-44, May 73 (Eng. Abstr.) (Ita)

[Postoperative hypothyreosis] Ponomarenko AI, et al. Klin Khir 5:34-6, May 73 (Rus)

HISTORY

The continuing development of the technique of thyroidectomy. Thompson NW, et al. Surgery 73:913-27, Jun 73

THYROID

II. Disorders of the Thyroid Gland

CRETINISM

A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972

CLASSIFICATION

Similarities and differences between sporadic and endemic cretinism. Hetzel BS.
Adv Exp Med Biol 30:119-34, 1972
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73

CONGENITAL

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972

DIAGNOSIS

The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972
Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
Himalayan cretinism. Ibbertson HK, et al.
Adv Exp Med Biol 30:51-69, 1972
The clinical pattern of cretinism as seen in Switzerland. Koenig MP. Adv Exp Med Biol 30:19-30, 1972
The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972
Intellectual assessment in primitive societies, with a preliminary report of a study of the effects of early iodine supplementation on intelligence. Trowbridge FL. Adv Exp Med Biol 30:137-49, 1972
Intelligence: implication of and for deafness. Youniss J.
Adv Exp Med Biol 30:151-9, 1972
IQ tests and intelligence in endemic cretinism.
Adv Exp Med Biol 30:507-11, 1972

DRUG THERAPY

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972

ETIOLOGY

Role of the placenta and of plasma hormone binding in the pathogenesis of cretinism. Pretell EA.
Adv Exp Med Biol 30:449-54, 1972

FAMILIAL & GENETIC

The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972

HISTORY

History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A.
Adv Exp Med Biol 30:191-9, 1972

METABOLISM

The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
Himalayan cretinism. Ibbertson HK, et al.
Adv Exp Med Biol 30:51-69, 1972
History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A.
Adv Exp Med Biol 30:191-9, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972

OCCURRENCE

The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
Similarities and differences between sporadic and endemic cretinism. Hetzel BS.
Adv Exp Med Biol 30:119-34, 1972
Himalayan cretinism. Ibbertson HK, et al.
Adv Exp Med Biol 30:51-69, 1972
The clinical pattern of cretinism as seen in Switzerland. Koenig MP. Adv Exp Med Biol 30:19-30, 1972
The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73

PATHOLOGY

A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
The pathology of the ear in endemic cretinism. Koenig MP, et al. Adv Exp Med Biol 30:325-33, 1972

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)
The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972
Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972

PREVENTION & CONTROL

Effect of iodine correction early in fetal life on intelligence quotient. A preliminary report. Fierro-Benítez R, et al.
Adv Exp Med Biol 30:239-47, 1972
The effect of iodine prophylaxis on the incidence of endemic cretinism. Pharoah PO, et al.
Adv Exp Med Biol 30:201-21, 1972
Prophylaxis of endemic goiter with iodized oil in rural

LIBRARY U. OF I., URBANA-CHAMPAIGN

Peru. Pretell EA, et al.
Adv Exp Med Biol 30:246-65, 1972
History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A.
Adv Exp Med Biol 30:191-9, 1972
IQ tests and intelligence in endemic cretinism.
Adv Exp Med Biol 30:507-11, 1972

RADIOGRAPHY

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. **Adv Exp Med Biol 30:3-17, 1972**

THERAPY

Effect of iodine correction early in fetal life on intelligence quotient. A preliminary report. Fierro-Benítez R, et al.
Adv Exp Med Biol 30:239-47, 1972

GOITER

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al.
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Eng. Abstr.) (Spa)

BLOOD

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF.
Acta Endocrinol (Kbh) 73:35-42, May 73
Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972
Lithium: useful drug or hazardous teratogen?
Food Cosmet Toxicol 11:135-9, Feb 73 (37 ref.)
Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12a:2221-, Dec 72 (Eng. Abstr.) (Ger)

COMPLICATIONS

Himalayan cretinism. Ibbertson HK, et al.
Adv Exp Med Biol 30:51-69, 1972
Emergency thyroidectomy. Bodon GR.
NY State J Med 73:1322-4, 1 Jun 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. **Surgery 73:848-58, Jun 73**
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[Amyloidosis of the thyroid and bladder] Naud A, et al.
Union Med Can 102:353-6, Feb 73 (Eng. Abstr.) (Fre)
[X-ray diagnosis of recurrent goiter] Nikolaev OV, et al.
Khirurgiia (Mosk) 48:3-6, Sep 72 (Eng. Abstr.) (Rus)

CONGENITAL

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

DIAGNOSIS

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF.
Acta Endocrinol (Kbh) 73:35-42, May 73
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)
[Scintillogram and the thyroid nodule (analysis of 200 cases)] Menchaca Montano JM, et al.
Rev Clin Esp 129:169-72, 30 Apr 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Male pseudohermaphroditism in a child with Down's syndrome. Golbus MS, et al.
J Med Genet 10:189-92, Jun 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

ENZYMOLOGY

[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

ETIOLOGY

[Thyrotropic hormone in the pathogenesis of recurrences of struma] Milanov St, et al.
Vutr Boles 12:49-53, 1973 (Eng. Abstr.) (Bul)

IMMUNOLOGY

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

METABOLISM

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF.
Acta Endocrinol (Kbh) 73:35-42, May 73
Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73
Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al.
Biochim Biophys Acta 303:338-47, 20 Apr 73
Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Bacteriological survey of anaerobic Corynebacterium in human bone marrow and blood. Hattori T, et al.
Gann 64:7-14, Feb 73

OCCURRENCE

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**
[Postoperative hypothyreosis] Ponomarenko AI, et al.
Klin Khir 5:34-6, May 73 (Rus)

PATHOLOGY

Recording the size of thyroid nodules. Anjos MN dos.
N Engl J Med 289:160-1, 19 Jul 73
Emergency thyroidectomy. Bodon GR.
NY State J Med 73:1322-4, 1 Jun 73

PHYSIOPATHOLOGY

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF.
Acta Endocrinol (Kbh) 73:35-42, May 73
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

RADIOGRAPHY

[X-ray diagnosis of recurrent goiter] Nikolaev OV, et al.
Khirurgiia (Mosk) 48:3-6, Sep 72 (Eng. Abstr.) (Rus)

SURGERY

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
Indications for thyroidectomy. Lancet 2:82, 14 Jul 73
Emergency thyroidectomy. Bodon GR.
NY State J Med 73:1322-4, 1 Jun 73
[Thyrotropic hormone in the pathogenesis of recurrences of struma] Milanov St, et al.
Vutr Boles 12:49-53, 1973 (Eng. Abstr.) (Bul)
[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)
[Exophthalmos following strumectomy] Márton D von.
Med Monatsschr 26:561-4, Dec 72 (Ger)
[Complications following strumectomy] Panecka A, et al.
Pol Tyg Lek 28:737-40, 14 May 73 (Eng. Abstr.) (Pol)
[Postoperative hypothyreosis] Ponomarenko AI, et al.
Klin Khir 5:34-6, May 73 (Rus)
[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)
[Surgical treatment of toxic goiter] Zakharova GN, et al. Vestn Khir 110:33-6, Jan 73 (Eng. Abstr.) (Rus)

THERAPY

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
[Multiple recurrent goiter] Kalinin AP, et al.
Khirurgiia (Mosk) 48:11-6, Sep 72 (Eng. Abstr.) (Rus)

VETERINARY

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. Poult Sci 52:562-7, Mar 73

GOITER, ENDEMIC

CHEMICALLY INDUCED

Goitrogenic activity of Okoho (a Nigerian edible plant). Ekpechi OL. Endocrinol Exp (Bratisl) 7:91-8, 1973
[Trace elements in foodstuffs. XI. Vanadium] Schlettwein-Gsell D, et al.
Int J Vitam Nutr Res 43:242-50, 1973 (Eng. Abstr.) (Ger)

COMPLICATIONS

The clinical pattern of cretinism as seen in northern Italy. Costa A. Adv Exp Med Biol 30:31-47, 1972
A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
Similarities and differences between sporadic and endemic cretinism. Hetzel BS.
Adv Exp Med Biol 30:119-34, 1972
The clinical pattern of cretinism as seen in Switzerland. Koenig MP. Adv Exp Med Biol 30:19-30, 1972
The effect of iodine prophylaxis on the incidence of endemic cretinism. Pharoah PO, et al.
Adv Exp Med Biol 30:201-21, 1972
Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972

DIAGNOSIS

[Comparative clinico-morphological characteristics of endemic goiter in the Amur Province] Grigoriev PIa, et al. Vestn Khir 110:37-40, Jan 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Intellectual assessment in primitive societies, with a preliminary report of a study of the effects of early iodine supplementation on intelligence. Trowbridge FL. Adv Exp Med Biol 30:137-49, 1972
Priorities in endemic goitre. Bender AE.
Lancet 2:162-3, 21 Jul 73

METABOLISM

Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73

OCCURRENCE

Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73
Priorities in endemic goitre. Bender AE.
Lancet 2:162-3, 21 Jul 73
[Iodine content of certain food products of plant origin grown in Tomsk province] Savina PN.
Vopr Pitan 31:77-8, Sep-Oct 72 (Rus)

PREVENTION & CONTROL

The optimal program for prophylaxis of endemic goiter with iodized oil. Pretell EA.
Adv Exp Med Biol 30:267-88, 1972
Prophylaxis of endemic goiter with iodized oil in rural Peru. Pretell EA, et al.
Adv Exp Med Biol 30:245-65, 1972
Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73
Studies of the effect of the salt iodization on endemic goiter in Taiwan. 3. Urinary iodine excretion of school children. Hsieh YH, et al.
J Formosan Med Assoc 72:218-23, Apr 73
Priorities in endemic goitre. Bender AE.
Lancet 2:162-3, 21 Jul 73
[Efficacy of simultaneous introduction of iodine and bromine in group antigoiter prophylaxis among schoolchildren] Babenko LS, et al.
Pediatriia 52:74-5, Jan 73 (Rus)

GOITER, EXOPHTHALMIC

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)

BLOOD

Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
Circulating inhibitor of LATS: a bioassay artefact. Burke G. J Clin Endocrinol Metab 36:1244-50, Jun 73
The effects of lymphocytes, sera, and long-acting thyroid stimulator from patients with Graves' disease on retrobulbar fibroblasts. Sisson JC, et al.
J Clin Endocrinol Metab 37:17-24, Jul 73
Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73
Carbonic anhydrase quantity of red blood cells in morbus basedowii. Mochizuki K.
Tohoku J Exp Med 108:401-9, Dec 72
[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al.

LIBRARY U. OF I., URBANA-CHAMPAIGN

Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

[False thyrotoxicosis] Bricair H, et al.
Rev Prat 23:923-39, 21 Feb 73 (Fre)

COMPLICATIONS

Unusual skin eruption with eosinophilia associated with hyperthyroidism. Pegum JS, et al.
Br J Dermatol 88:295-301, Mar 73

Selection of patients and choice of operation for orbital decompression in graves ophthalmopathy. DeSanto LW, et al. Laryngoscope 83:945-59, Jun 73

A new technique for evaluation of optic neuropathy. Coleman DJ, et al.
Trans Am Ophthalmol Soc 70:154-63, 1972

DIAGNOSIS

Recent developments in diagnostic ultrasound. Bronson NR 2d.
Trans Ophthalmol Soc UK 92:149-59, 1972

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[False thyrotoxicosis] Bricair H, et al.
Rev Prat 23:923-39, 21 Feb 73 (Fre)

[Analysis of the jugular phlebogram of patients with thyrotoxic goiter before and after strumectomy] Nazipov AA. Kardiologiia 12:114-5, Dec 72 (Rus)

DRUG THERAPY

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73

Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al.
Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Carbonic anhydrase quantity of red blood cells in morbus basedowii. Mochizuki K.
Tohoku J Exp Med 108:401-9, Dec 72

ETIOLOGY

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

IMMUNOLOGY

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73

Increase of T cells in Graves' disease. Aoki N, et al.
Lancet 819:49-50, 7 Jul 73

Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73

[Action of gamma globulins isolated from the serum of exophthalmic patients on the binding of thyrotropin and its exophthalmic derivative to membrane receptors from retro-ocular tissue] Winand R, et al.
Arch Int Physiol Biochim 81:215-6, Feb 73 (Fre)

[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

METABOLISM

Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73

Carbonic anhydrase quantity of red blood cells in morbus basedowii. Mochizuki K.
Tohoku J Exp Med 108:401-9, Dec 72

MORTALITY

[Mortality in patients with Basedow's disease (neonatal Basedow's disease excluded)] Gilbert-Dreyfus M.
Bull Acad Natl Med (Paris) 156:276-82, Feb-Mar 72 (Fre)

RADIOTHERAPY

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73

Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. JAMA 224:1610-3, 18 Jun 73

Indications for thyroidectomy. Lancet 2:82, 14 Jul 73

[Mortality in patients with Basedow's disease (neonatal Basedow's disease excluded)] Gilbert-Dreyfus M.
Bull Acad Natl Med (Paris) 156:276-82, Feb-Mar 72 (Fre)

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

[Radioisotope therapy of hyperthyroidism] Englaro GC, et al.
Minerva Med 64:1347-56, 18 Apr 73 (Eng. Abstr.) (Ita)

SURGERY

Surgery in Graves' disease: analysis after operation on 1,265 goiters. Reynier J. Int Surg 58:456-7, Jul 73

Selection of patients and choice of operation for orbital decompression in graves ophthalmopathy. DeSanto LW, et al. Laryngoscope 83:945-59, Jun 73

Carbonic anhydrase quantity of red blood cells in morbus basedowii. Mochizuki K.
Tohoku J Exp Med 108:401-9, Dec 72

[Mortality in patients with Basedow's disease (neonatal Basedow's disease excluded)] Gilbert-Dreyfus M.
Bull Acad Natl Med (Paris) 156:276-82, Feb-Mar 72 (Fre)

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Analysis of the jugular phlebogram of patients with thyrotoxic goiter before and after strumectomy] Nazipov AA. Kardiologiia 12:114-5, Dec 72 (Rus)

[Complications following surgical treatment of thyrotoxic goiter] Gilevich IuS, et al.
Khirurgiia (Mosk) 48:6-10, Sep 72 (Eng. Abstr.) (Rus)

[Use of inderal for thyrotoxicosis patients treated surgically] Savel'ev VS, et al.
Khirurgiia (Mosk) 48:17-20, Sep 72 (Eng. Abstr.) (Rus)

THERAPY

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

[Use of inderal for thyrotoxicosis patients treated surgically] Savel'ev VS, et al.

Khirurgiia (Mosk) 48:17-20, Sep 72 (Eng. Abstr.) (Rus)

GOITER, NODULAR

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. Adv Exp Med Biol 30:3-17, 1972
Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. Aust NZ J Med 3:184-8, Apr 73
[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:148-54, 1973
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
Scanning in non-toxic nodular goitres. Ramanna L, et al.
Indian J Cancer 10:55-9, Mar 73
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73
[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

ENZYMOLOGY

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

METABOLISM

Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. Aust NZ J Med 3:184-8, Apr 73

PATHOLOGY

Scanning in non-toxic nodular goitres. Ramanna L, et al.
Indian J Cancer 10:55-9, Mar 73

PHYSIOPATHOLOGY

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

RADIOTHERAPY

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Radioisotope therapy of hyperthyroidism] Englaro GC, et al.
Minerva Med 64:1347-56, 18 Apr 73 (Eng. Abstr.) (Ita)

SURGERY

Indications for thyroidectomy. Lancet 2:82, 14 Jul 73
[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

GOITER, SUBSTERNAL

RADIOGRAPHY

[What is your diagnosis?] Eckel H.
Med Klin 68:685-6, May 73 (Ger)

HYPERTHYROIDISM

Neurotic and thyrotoxic anxiety: clinical, psychological and physiological measurements. Greer S, et al.
Br J Psychiatry 122:549-54, May 73
Remission of hyperthyroidism. MacGregor GA.
Br Med J 3:107-8, 14 Jul 73
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. Proc R Soc Med 66:441-2, May 73
[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Various aspects of senile hyperthyroidism] Vailati G, et al. Minerva Med 64:1298-305, 18 Apr 73 (Ita)

BLOOD

Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
A simplified method to determine ultrafiltrable plasma magnesium. Normal values and preliminary results in hyper- and hypothyroidism. Piemonte G, et al.
Clin Chim Acta 45:261-7, 18 May 73
A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al.
Clin Chim Acta 45:255-9, 18 May 73
Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72
The role of long acting thyroid stimulator in neonatal thyrotoxicosis. Maisey MN, et al.
Clin Endocrinol (Oxf) 1:81-90, Jan 72
Effect of hyperthyroidism on insulin and glucose dynamics in rabbits. Marecek RL, et al.
Endocrinology 92:1604-11, Jun 73
Comparative study of growth hormone response to hypoglycemia in normal subjects and in patients with primary myxedema or hyperthyroidism before and after treatment. Brauman H, et al.
J Clin Endocrinol Metab 36:1162-74, Jun 73
Effect of lithium on thyroxine disappearance in man. Carlson HE, et al.
J Clin Endocrinol Metab 36:1251-4, Jun 73
Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
Triglyceride metabolism in hyperthyroidism. Jacobsen BB. Lancet 1:1190-1, 26 May 73
Advances in lipoprotein research: biochemical and clinical aspects. Schettler G, et al.
Med J Aust 1:942-6, 12 May 73
Advances in lipoprotein research. Biochemical and clinical aspects. Seidel D. Nutr Metab 15:9-16, 1973
Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in

LIBRARY U. OF I., URBANA-CHAMPAIGN

thyroid diseases] Lemarchand-Béraud T, et al. **Schweiz Med Wochenschr** 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

[Thyroid hormones and insulin secretion: analogue analysis of the oral glucose tolerance test in thyrotoxicosis] Federspil G, et al. **Acta Diabetol Lat** 10:16-29, Jan-Feb 73 (Eng. Abstr.) (Ita)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al. **Folia Endocrinol Jap** 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

[Assessment of cardiac output by the technic of oxyhemography (T-1824) and radiocardiography (I-131-albumin)] Litvinenko AF, et al. **Med Radiol (Mosk)** 17:69-72, Aug 72 (Eng. Abstr.) (Rus)

[Diagnostic value of the binding coefficient of triiodothyronine and of total and free thyroxine in thyrotoxicosis] Slavnov VN, et al. **Med Radiol (Mosk)** 18:21-8, Mar 73 (Eng. Abstr.) (Rus)

[Characteristics of posthemorrhagic regeneration of blood proteins in disordered thyroid hormone balance] Gausach PP. **Patol Fiziol Eksp Ter** 17:78-80, Mar-Apr 73 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

IQ tests and intelligence in endemic cretinism. **Adv Exp Med Biol** 30:507-11, 1972

Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al. **Endocrinology** 92:1731-5, Jun 73

Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al. **J Pharmacol Exp Ther** 185:468-78, Jun 73

[False thyrotoxicosis] Bricair H, et al. **Rev Prat** 23:923-39, 21 Feb 73 (Fre)

[Thyrotoxicosis and benzidarone] Camus JP, et al. **Rev Rhum Mal Osteoartic** 40:148-50, Feb 73 (Fre)

[Studies on the effect of propranolol on heart mechanics and contractility in experimentally induced hyperthyroidism] Strauer BE, et al. **Verh Dtsch Ges Kreislaufforsch** 38:262-8, 1972 (Ger)

[Free fatty acid metabolism in the myocardium in thyrotoxicosis] Turakulov IaKh, et al. **Vopr Med Khim** 19:212-4, Mar-Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Steatorrhea in thyrotoxicosis. Relation to hypermotility and excessive dietary fat. Thomas FB, et al. **Ann Intern Med** 78:869-75, May 73

Propranolol in neurotic and thyrotoxic anxiety. Ramsay I, et al. **Br J Psychiatry** 122:555-60, May 73

Remission of hyperthyroidism. MacGregor GA. **Br Med J** 3:107-8, 14 Jul 73

Comparison of anxiety in thyrotoxic and neurotic patients using skin conductance measurements. Morakinyo VO, et al. **Clin Endocrinol (Oxf)** 1:355-62, Oct 72

Acceleration of growth and bone maturation in childhood thyrotoxicosis. Schlesinger S, et al. **J Pediatr** 83:233-6, Aug 73

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am** 57:1117-33, Jul 73 (67 ref.)

Neuropathy in thyrotoxicosis. McComas AJ, et al. **N Engl J Med** 289:219-20, 26 Jul 73

Complete heart block complicating thyrotoxicosis. Levy DW. **S Afr Med J** 47:853, 26 May 73

Myocardial infarction in Nigerians. Falase AO, et al. **Trop Geogr Med** 25:147-50, Jun 73

[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al. **Ann Anat Pathol (Paris)** 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. **Ann Endocrinol (Paris)** 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Chorea and hyperthyroidism (apropos of an observation)] Héraut L, et al. **Bull Soc Med Afr Noire Lang Fr** 17:459-64, 1972 (Eng. Abstr.) (Fre)

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al. **Nouv Presse Med** 2:771-3, Mar 72 (Fre)

[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al. **Z Gesamte Inn Med** 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)

[Statistical analysis of fibrillar arrhythmia of thyrotoxic origin] Rom-Bugoslavskaia ES, et al. **Kardiologiia** 13:136-8, Apr 73 (Rus)

CONGENITAL

Perinatal aspects of maternal autoimmune disease. Jones WR, et al. **Aust Paediatr J** 8:306-10, Dec 72

The thyroid gland in pregnancy. Burrow GN. **Major Probl Obstet Gynecol** 3:1-138, 1972

DIAGNOSIS

Discriminant valve of thyroid function tests. Crooks J. **Br Med J** 2:488, 26 May 73

Comparison of anxiety in thyrotoxic and neurotic patients using skin conductance measurements. Morakinyo VO, et al. **Clin Endocrinol (Oxf)** 1:355-62, Oct 72

"Skin window" in clinical routine. Jansa P. **Folia Haematol (Leipz)** 99:121-30, 1973 (70 ref.)

Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. **JAMA** 224:1610-3, 18 Jun 73

Triiodothyronine hyperthyroidism. Gharib H, et al. **Postgrad Med** 54:77-81, Jul 73

[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al. **Ann Endocrinol (Paris)** 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. **Ann Endocrinol (Paris)** 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Chorea and hyperthyroidism (apropos of an observation)] Héraut L, et al. **Bull Soc Med Afr Noire Lang Fr** 17:459-64, 1972 (Eng. Abstr.) (Fre)

[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al. **Rev Fr Endocrinol Clin** 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Various aspects of senile hyperthyroidism] Vallati G, et al. **Minerva Med** 64:1298-305, 18 Apr 73 (Ita)

[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al. **Med Radiol (Mosk)** 17:33-7, Oct 72 (Eng. Abstr.) (Rus)

[Diagnostic value of the binding coefficient of triiodothyronine and of total and free thyroxine in thyrotoxicosis] Slavnov VN, et al. **Med Radiol (Mosk)** 18:21-8, Mar 73 (Eng. Abstr.) (Rus)

[Characteristics of thyroid gland diseases in Stavropol territory] Volozhinskaia GIa. **Med Radiol (Mosk)** 18:28-32, Mar 73 (Eng. Abstr.) (Rus)

[Comparative clinico-morphological characteristics of endemic goiter in the Amur Province] Grigoriev PIa, et al. **Vestn Khir** 110:37-40, Jan 73 (Eng. Abstr.) (Rus)

[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI. **Vestn Khir** 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Propranolol. Morrelli HF. **Ann Intern Med** 78:913-7, Jun 73 (102 ref.)

The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al. **Ann Surg** 177:643-7, Jun 73

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al. **Clin Endocrinol (Oxf)** 1:345-53, Oct 72

Acceleration of growth and bone maturation in childhood thyrotoxicosis. Schlesinger S, et al. **J Pediatr** 83:233-6, Aug 73

Oxprenolol in thyrotoxicosis. Turner P. **Lancet** 1:1196, 26 May 73

Prevention of malignant exophthalmos after treatment of thyrotoxicosis. Winand R, et al. **Lancet** 1:1196, 26 May 73

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am** 57:1117-33, Jul 73 (67 ref.)

Mechanisms of lithium action. Singer I, et al. N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al. Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al. Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

[Studies on the effect of propranolol on heart mechanics and contractility in experimentally induced hyperthyroidism] Strauer BE, et al. Verh Dtsch Ges Kreislaufforsch 38:262-8, 1972 (Ger)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al. Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al. Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al. J Pharmacol Exp Ther 185:468-78, Jun 73

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al. Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al. Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

ETIOLOGY

Triiodothyronine hyperthyroidism. Gharib H, et al. Postgrad Med 54:77-81, Jul 73

[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al. Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al. Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al. Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Various aspects of senile hyperthyroidism] Vailati G, et al. Minerva Med 64:1298-305, 18 Apr 73 (Ita)

[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI. Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Remission of hyperthyroidism. MacGregor GA. Br Med J 3:107-8, 14 Jul 73

Leucocyte migration inhibition with mitochondria in human autoimmune thyroid disorders. Wartenberg J, et al. Clin Exp Immunol 14:203-12, Jun 73

Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al. Int Arch Allergy Appl Immunol 44:396-408, 1973

Thyroid hypertrophy and hyperfunction caused by active immunization with thyroid hormones. Nieschlag E, et al. J Endocrinol 57:555-6, Jun 73

Prevention of malignant exophthalmos after treatment of thyrotoxicosis. Winand R, et al. Lancet 1:1196, 26 May 73

[Clinical importance of Boyden's hemagglutination test in thyrotoxicosis] Dinkov Iv. Vutr Boles 12:61-5, 1973 (Eng. Abstr.) (Bul)

[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al. Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al. Acta Endocrinol (Kbh) 73:22-34, May 73

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al. Clin Sci 44:24P, Jun 73

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al. J Biol Chem 248:4716-23, 10 Jul 73

Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al. J Clin Endocrinol Metab 36:1088-96, Jun 73

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al. J Endocrinol 57:317-24, May 73

Effect of force molting and induced hyperthyroidism on the depletion of DDT residues from the laying hen. Lillard DA, et al. Poult Sci 52:222-37, Jan 73

[Uptake of radioactive rubidium 86 Rb and local blood flow in adipose tissue of intact rats, in experimental hyperthyroidism and in restricted food intake] Kapitola J, et al. Sb Lek 75:206-14, Jul 73 (Eng. Abstr.) (Cze)

[Free fatty acid metabolism in the myocardium in thyrotoxicosis] Turakulov IaKh, et al. Vopr Med Khim 19:212-4, Mar-Apr 73 (Eng. Abstr.) (Rus)

NURSING

[Nursing in a case of hyperthyroidism] Ishikawa A. Jap J Nurs Art 19:95-8, May 73 (Jap)

PATHOLOGY

Skin collagen and thickness in hyperthyroidism and myxoedema. Black MM, et al. Clin Endocrinol (Oxf) 1:253-8, Jul 72

PHYSIOPATHOLOGY

The effect of the thyroid gland on the histamine and 5-hydroxytryptamine level of dog, rabbit and rat tissues. Csaba B, et al. Acta Physiol Acad Sci Hung 42:41-7, 1972

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. Adv Intern Med 18:303-23, 1972 (38 ref.)

Thyrotropin releasing hormone: secretion and actions. Wilber JF. Annu Rev Med 24:353-64, 1973 (98 ref.)

Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al. J Pharmacol Exp Ther 185:468-78, Jun 73

Catecholamine sensitivity in thyrotoxicosis. McDevitt DG, et al. Lancet 1:1385, 16 Jun 73

Neuropathy in thyrotoxicosis. McComas AJ, et al. N Engl J Med 289:219-20, 26 Jul 73

[Hyperthyroidism from the cardiologist's point of view] Delaage M. Ann Cardiol Angeiol (Paris) 21:523-7, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al. Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Thyroid gland and pregnancy] Bernheim R. Nouv Presse Med 2:1297-300, 12 May 73 (Fre)

[Studies on the effect of propranolol on heart mechanics and contractility in experimentally induced hyperthyroidism] Strauer BE, et al. Verh Dtsch Ges Kreislaufforsch 38:262-8, 1972 (Ger)

[Various aspects of senile hyperthyroidism] Vailati G, et al. Minerva Med 64:1298-305, 18 Apr 73 (Ita)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing

LIBRARY U. OF I., URBANA-CHAMPAIGN

hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

[Adrenocortical function in patients with hyperthyroidism] Butruk E.
Pol Tyg Lek 28:583-5, 16 May 73 (Pol)

[Biological role of atmospheric oxygen in the mechanism of blood coagulation] Palos LA.
Kosm Biol Med 6:8-13, Sep-Oct 72 (Rus)

[Assessment of cardiac output by the technic of oxyhemography (T-1824) and radiocardiography (I-131-albumin)] Litvinenko AF, et al.
Med Radiol (Mosk) 17:69-72, Aug 72 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Steatorrhea in thyrotoxicosis. Relation to hypermotility and excessive dietary fat. Thomas FB, et al. **Ann Intern Med 78:669-75, May 73**

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

The treatment of hyperthyroidism with radioactive iodine. Bell RW.
J Tenn Med Assoc 66:445-6 passim, May 73

Carcinoma of the thyroid in a patient treated with radioiodine for hyperthyroidism. Reeve TS, et al.
Med J Aust 1:993-6, 19 May 73

[Chorea and hyperthyroidism (apropos of an observation)] Héraut L, et al.
Bull Soc Med Afr Noire Lang Fr 17:459-64, 1972 (Eng. Abstr.) (Fre)

[Radioisotope therapy of hyperthyroidism] Englaro GC, et al.
Minerva Med 64:1347-56, 18 Apr 73 (Eng. Abstr.) (Ita)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al.
Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

[Morphologic changes in the thyroid glands of patients with thyrotoxicosis following treatment with I-131] Kolesnikova GS.
Med Radiol (Mosk) 17:23-30, Oct 72 (Eng. Abstr.) (Rus)

SURGERY

Primary hyperparathyroidism. Burcharth F, et al.
Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)

The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al.
Ann Surg 177:643-7, Jun 73

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 (Fre)

[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

[Surgical treatment of toxic goiter] Zakharova GN, et al. **Vestn Khir 110:33-6, Jan 73 (Eng. Abstr.) (Rus)**

THERAPY

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

[Medical treatment of hyperthyroidism] Leuret JP.
Bord Med 5:2316-7, Nov 72 (Fre)

URINE

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73

VETERINARY

Effect of force molting and induced hyperthyroidism on the depletion of DDT residues from the laying hen. Lillard DA, et al. **Poult Sci 52:222-37, Jan 73**

HYPOTHYROIDISM

Behavioral studies in mice selectively bred for differences in thyroid function. Blizard DA, et al.
Behav Genet 2:301-9, Dec 72

Lipoproteins in relation to skin disease. Dean FD.
Br J Dermatol 88:191-6, Feb 73 (48 ref.)

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972

BLOOD

A simplified method to determine ultrafiltrable plasma magnesium. Normal values and preliminary results in hyper- and hypothyroidism. Piemonte G, et al.
Clin Chim Acta 45:261-7, 18 May 73

A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al.
Clin Chim Acta 45:255-9, 18 May 73

Electroencephalographic changes in hypothyroidism. Gupta SP, et al. **Indian J Med Res 60:1101-6, Jul 72**

Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al.
J Clin Endocrinol Metab 36:1050-7, Jun 73

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. **J Clin Endocrinol Metab 36:1074-8, Jun 73**

Advances in lipoprotein research. Biochemical and clinical aspects. Seidel D. **Nutr Metab 15:9-16, 1973**

Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73

[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

[Characteristics of posthemorrhagic regeneration of blood proteins in disordered thyroid hormone balance] Gausach PP.
Patol Fiziol Eksp Ter 17:78-80, Mar-Apr 73 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

[Changes in the cartilage growth plate in experimental hypothyroidism] Peneva L, et al.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972

Effect of thyroid deficiency on the synaptic organization of the rat cerebellar cortex. Hajós F, et al. **Brain Res 50:387-401, 28 Feb 73**

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al.
J Biol Chem 248:4716-23, 10 Jul 73

Thyroid function in molybdenotic rabbits. Widjajakusuma MC, et al.
J Endocrinol 57:419-24, Jun 73

Endocrine exophthalmos during lithium therapy of manic-depressive disease. Segal RL, et al.
N Engl J Med 289:136-8, 19 Jul 73

Dietary self-selection, activity and carcass composition of rats fed thiouracil. Leshner AI, et al.
Physiol Behav 10:373-8, Feb 73

COMPLICATIONS

Electroencephalograms in patients with hypothyrosis. Smodlaka J, et al. **Acta Med Iugosl 27:165-72, 1973**

A survey of the clinical and metabolic patterns of endemic cretinism. Delange F, et al.
Adv Exp Med Biol 30:175-87, 1972

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire

Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
Similarities and differences between sporadic and endemic cretinism. Hetzel BS.
Adv Exp Med Biol 30:119-34, 1972
The effect of iodine prophylaxis on the incidence of endemic cretinism. Pharoah PO, et al.
Adv Exp Med Biol 30:201-21, 1972
Prevention of the atherosclerotic diseases--opportunities for military medicine. Froelicher VF Jr, et al. Aerosp Med 44:542-8, May 73
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73
Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. Aust NZ J Med 3:184-8, Apr 73
Congenital deafness and hypothyroidism. Deol MS.
Lancet 2:105-6, 14 Jul 73
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)
Peripheral neuropathies in diseases of internal organs. II. A survey. Jennekens FG.
Neth J Med 16:38-50, 1973 (105 ref.)
[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al.
Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al.
Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)
[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al.
Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)

CONGENITAL

The neuropathology of congenital hypothyroidism. Rosman NP. Adv Exp Med Biol 30:337-66, 1972
The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972

DIAGNOSIS

Endocrine disorders of growth in stature. Raiti S.
Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
Grades of hypothyroidism. Harvey RF.
Br Med J 2:488-9, 26 May 73
Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al.
Br Med J 1:153-4, 20 Jan 73
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
Electroencephalographic changes in hypothyroidism. Gupta SP, et al. Indian J Med Res 60:1101-6, Jul 72
Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. J Clin Endocrinol Metab 36:1074-8, Jun 73
Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. JAMA 224:1610-3, 18 Jun 73
[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 (Bul)
[Reaction time of achilles tendon reflex in diagnosis of thyroid diseases] Reinwein D.
Dtsch Med Wochenschr 98:1048, 18 May 73 (Ger)
[Characteristics of thyroid gland diseases in Stavropol territory] Volozhinskaia GIa.
Med Radiol (Mosk) 18:28-32, Mar 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Studies on the effect of thyroidectomy on the insulin response to hyperglycaemia in the dog. Renauld A, et al. Acta Physiol Lat Am 23:29-36, 1973
Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al.
Br Med J 1:153-4, 20 Jan 73
Electroencephalographic changes in hypothyroidism. Gupta SP, et al. Indian J Med Res 60:1101-6, Jul 72
Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al.
J Clin Endocrinol Metab 36:1050-7, Jun 73
[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 (Bul)
[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)
[Therapy of hypothyroidism: results of thyroxine and triiodothyronine] Medeiros Neto GA de.
Rev Assoc Med Bras 19:25-32, Jan 73 (Eng. Abstr.) (Por)

EMBRYOLOGY

Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. Lancet 2:67-70, 14 Jul 73

ENZYMOLOGY

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

ETIOLOGY

The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972
Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)
Surgery in Graves' disease: analysis after operation on 1,265 goiters. Reynier J. Int Surg 58:456-7, Jul 73
Growth and development of children with Legg-Calvé-Perthes syndrome in Israel. Laron Z, et al.
Isr J Med Sci 9:612-6, May 73
Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73
Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. JAMA 224:1610-3, 18 Jun 73
[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)
[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Cryptothyroidism] Laczi F, et al.
Orv Hetil 114:1628-30, 8 Jul 73 (Hun)
[Postoperative hypothyreosis] Ponomarenko AI, et al.
Klin Khir 5:34-6, May 73 (Rus)

IMMUNOLOGY

[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

The effects of thyroid hormone on protein synthesis in the central nervous system of developing mammals. Dunn JT. Adv Exp Med Biol 30:367-83, 1972
The neuropathology of congenital hypothyroidism. Rosman NP. Adv Exp Med Biol 30:337-66, 1972
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. Am J Med Sci 265:315-9, Apr 73
Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. Aust NZ J Med 3:184-8, Apr 73
Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the

LIBRARY U. OF I., URBANA-CHAMPAIGN

isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al.
J Biol Chem 248:4716-23, 10 Jul 73

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73

Effect of thyroidectomy on conversion of cholesterol into bile acids. Byers SO, et al.
Proc Soc Exp Biol Med 143:551-5, Jun 73

NURSING

[Nursing of patients with myxedema due to primary hypothyroidism] Fujimura R.
Jap J Nurs Art 19:99-107, May 73 (Jap)

PATHOLOGY

Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972

The neuropathology of congenital hypothyroidism. Rosman NP. **Adv Exp Med Biol 30:337-66, 1972**

Effect of thyroid deficiency on the synaptic organization of the rat cerebellar cortex. Hajós F, et al. **Brain Res 50:387-401, 28 Feb 73**

Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis. Phifer RF, et al.
J Clin Endocrinol Metab 36:1210-21, Jun 73

[Quantitative aspects of synaptogenesis in the cerebellum of rats undernourished since birth. Comparison with hypothyroid animals] Rebière A.
C R Acad Sci [D] (Paris) 276:2317-20, 9 Apr 73 (Fre)

PHYSIOPATHOLOGY

Electroencephalograms in patients with hypothyrosis. Smodlaka J, et al. **Acta Med Iugosl 27:165-72, 1973**

The effect of the thyroid gland on the histamine and 5-hydroxytryptamine level of dog, rabbit and rat tissues. Csaba B, et al.
Acta Physiol Acad Sci Hung 42:41-7, 1972

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol 30:429-40, 1972 (49 ref.)**

Thyrotropin releasing hormone: secretion and actions. Wilber JF. **Annu Rev Med 24:353-64, 1973 (98 ref.)**

[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

[Changes in the cartilage growth plate in experimental hypothyroidism] Peneva L, et al.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al.
Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

THERAPY

Recurrent calcific periarthritis involving multiple sites. Zaphiropoulos G. **Proc R Soc Med 66:351-2, Apr 73**

[Cryptothyroidism] Laczi F, et al.
Orv Hetil 114:1628-30, 8 Jul 73 (Hun)

URINE

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73

MYXEDEMA

Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:396-408, 1973

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am 57:1117-33, Jul 73 (67 ref.)**

BLOOD

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72

Comparative study of growth hormone response to hypoglycemia in normal subjects and in patients with primary myxedema or hyperthyroidism before and after treatment. Brauman H, et al.
J Clin Endocrinol Metab 36:1162-74, Jun 73

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Scleromyxoedema (lichen myxoedematosus) associated with a paraprotein, IgG 1 of type kappa. Lai a Fat RF, et al. **Br J Dermatol 88:107-16, Feb 73**

Case for diagnosis: leukocytoclastic vasculitis. Connor B. **Proc R Soc Med 66:438-40, May 73**

[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)

CONGENITAL

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al.
Adv Exp Med Biol 30:87-113, 1972

DRUG THERAPY

Scleromyxoedema (lichen myxoedematosus) associated with a paraprotein, IgG 1 of type kappa. Lai a Fat RF, et al. **Br J Dermatol 88:107-16, Feb 73**

[Peripheral myxedema; amenorrhea-galacorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Lipoprotein lipase activity of human adipose tissue in health and in some diseases with hyperlipidemia as a common feature. Persson B.
Acta Med Scand 193:457-62, May 73

IMMUNOLOGY

[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

METABOLISM

Thyroid function tests in endemic cretinism. Hershman JM. **Adv Exp Med Biol 30:161-74, 1972**

NURSING

[Nursing of patients with myxedema due to primary hypothyroidism] Fujimura R.
Jap J Nurs Art 19:99-107, May 73 (Jap)

PATHOLOGY

Skin collagen and thickness in hyperthyroidism and myxoedema. Black MM, et al.
Clin Endocrinol (Oxf) 1:253-8, Jul 72
The cutaneous mucinoses. Reed RJ, et al.
Hum Pathol 4:201-5, Jun 73 (27 ref.)

PHYSIOPATHOLOGY

[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)

THERAPY

[Homotransplantation of the thyroid-parathyroid complex in myxedema] Tochilin VI.
Khirurgiia (Mosk) 48:20-4, Sep 72 (Eng. Abstr.) (Rus)

THYROID CRISIS

PREVENTION & CONTROL

The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al.
Ann Surg 177:643-7, Jun 73

THYROID DISEASES

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

BLOOD

A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al.
Clin Chim Acta 45:255-9, 18 May 73
Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73
[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)
[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

Aspergillomatous abscesses of the brain and thyroid. Lisbona R, et al. J Nucl Med 14:541-2, Jul 73
[Thyroid hyperplasia and pulmonary tumors induced by methylthiouracil and-or isoniazid in CBA-Cb-Se mice] Biancifiori C.
Lav Ist Anat Istol Patol Perugia 33:27-39, 1973 (Eng. Abstr.) (Ita)

COMPLICATIONS

Digitalis glycoside intoxication--a preventive role for pharmacists. Gerbino PP.
Am J Hosp Pharm 30:499-504, Jun 73
Present status of laboratory diagnosis of sarcoidosis. Israel HL. Ann Clin Lab Sci 3:73-8, Mar-Apr 73 (20 ref.)
Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73
Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
Advances in lipoprotein research: biochemical and clinical aspects. Schettler G, et al.
Med J Aust 1:942-6, 12 May 73
Orbital decompression in thyroid disease. Crombie AL.
Trans Ophthalmol Soc UK 92:329-34, 1972
[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)
[Amyloidosis of the thyroid and bladder] Naud A, et al.
Union Med Can 102:353-6, Feb 73 (Eng. Abstr.) (Fre)
[Pathological aerophagy as the cause of death] Hackl H.
Med Klin 68:667-9, May 73 (Eng. Abstr.) (Ger)
[Impairment of somatotropic pituitary function in thyroid diseases] Knappe G, et al.
Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Eng. Abstr.) (Ger)

CONGENITAL

Congenital cyst of the thyroid. Roediger WE, et al.
S Afr Med J 47:1120-2, 30 Jun 73

DIAGNOSIS

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:143-54, 1973
Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. Am J Surg 126:67-73, Jul 73
Fundamentals of radionuclide thyroid evaluation. Zager P, et al. Conn Med 37:299-302, Jun 73
131-I study of thyroid tuberculosis mimicking thyroid carcinoma. Wang Y, et al.
CRC Crit Rev Radiol Sci 3:101-3, Jan 72
Development of a single, simple in vitro thyroid function test. Mincey EK, et al.
J Nucl Biol Med 16:58-61, Apr-Jun 72
Aspergillomatous abscesses of the brain and thyroid. Lisbona R, et al. J Nucl Med 14:541-2, Jul 73
Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)
Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73
An extrathyroid parathyroid adenoma presenting as a "cold" nodule on I 131 thyroid scan. Montero JM 2d, et al. Va Med Mon 100:643-6, Jul 73
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Aspects of thyroid pathology in Dakar as revealed by radioisotope exploration] Bresson Y, et al.
Bull Soc Med Afr Noire Lang Fr 17:465-71, 1972 (Eng. Abstr.) (Fre)
[Free thyroxine index: measurement method and value] Linquette M, et al.
Lille Med 18:1-6, Jun 73 (Fre)
[Critical study of 2 methods of thyroid function testing in vitro] Potton F, et al.
Rev Fr Endocrinol Clin 13:131-46, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Reaction time of achilles tendon reflex in diagnosis of thyroid diseases] Reinwein D.
Dtsch Med Wochenschr 98:1048, 18 May 73 (Ger)
[Radiological medical check-ups of the thyroid gland] Grebe SF. Z Allgemeinmed 49:762-7, 10 Jun 73 (Ger)
[Humoral immune reactivity in relation to the thyroid gland] Torgyán S, et al.
Orv Hetil 114:1356-7, 10 Jun 73 (Hun)
[Immunofluorescence technic in thyroid immunopathies] Torgyán S, et al.
Orv Hetil 114:1476-80, 24 Jun 73 (Hun)
[A new in vitro thyroid function test with "Res-O-Mat ETR" diagnostic kit] Nakagawa S, et al.
Jap J Nucl Med 9:551-60, Dec 72 (Eng. Abstr.) (Jap)
[Surgical intervention on the thyroid gland in patients with lymphogranulomatosis] Apasov GN, et al.
Vestn Khir 110:29-33, Jan 73 (Eng. Abstr.) (Rus)
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

131-I study of thyroid tuberculosis mimicking thyroid

LIBRARY U. OF I., URBANA-CHAMPAIGN

carcinoma. Wang Y, et al.
CRC Crit Rev Radiol Sci 3:101-3, Jan 72

EMBRYOLOGY

Congenital cyst of the thyroid. Roediger WE, et al.
S Afr Med J 47:1120-2, 30 Jun 73

ETIOLOGY

[Thyroid hyperplasia and pulmonary tumors induced by methylthiouracil and-or isoniazid in CBA-Cb-Se mice] Biancifiori C.
Lav Ist Anat Istol Patol Perugia 33:27-39, 1973 (Eng. Abstr.) (Ita)
[Morphologic changes in the thyroid glands of patients with thyrotoxicosis following treatment with I-131] Kolesnikova GS.
Med Radiol (Mosk) 17:23-30, Oct 72 (Eng. Abstr.) (Rus)
[Surgical intervention on the thyroid gland in patients with lymphogranulomatosis] Apasov GN, et al.
Vestn Khir 110:29-33, Jan 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
The leukocyte migration test in human thyroid autoimmunity. Correlations with other immunological reactions. Delespesse G, et al.
Horm Metab Res 5:176-9, May 73
Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:396-408, 1973
[Mitochondrial antibodies in nonhepatic diseases. Occurrence, significance and differential diagnosis] Berg PA, et al.
Dtsch Med Wochenschr 98:1186-8, 8 Jun 73 (Ger)
[Humoral immune reactivity in relation to the thyroid gland] Torgyán S, et al.
Orv Hetil 114:1356-7, 10 Jun 73 (Hun)
[Immunofluorescence technic in thyroid immunopathies] Torgyán S, et al.
Orv Hetil 114:1476-80, 24 Jun 73 (Hun)

METABOLISM

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73
[Aspects of thyroid pathology in Dakar as revealed by radioisotope exploration] Bresson Y, et al.
Bull Soc Med Afr Noire Lang Fr 17:465-71, 1972 (Eng. Abstr.) (Fre)
[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:148-54, 1973
Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:396-408, 1973
Congenital cyst of the thyroid. Roediger WE, et al.
S Afr Med J 47:1120-2, 30 Jun 73

PHYSIOPATHOLOGY

Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)

SURGERY

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)
[Clinical picture and surgery in thyroid diseases in children and adolescents] Tochilin VI.
Vestn Khir 110:67-9, Apr 73 (Eng. Abstr.) (Rus)

THERAPY

Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)

THYROID GLAND

ABNORMALITIES

Agenesis of the thyroid. Tashima CK, et al.
JAMA 224:1761-2, 25 Jun 73
Parathyroid problems. Med J Aust 1:719-20, 14 Apr 73

THYROID NEOPLASMS

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73
A singular large skull metastasis from follicular thyroid carcinoma in a Mountaingyard female. Strangmeier JM. Ariz Med 30:409-10, Jun 73
The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
[Spontaneous and induced neoplasms in aquarium fish] Khudoleĭ VV.
Usp Sovrem Biol 74:473-81, Nov-Dec 72 (91 ref.) (Rus)

BLOOD

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al.
Surgery 74:21-9, Jul 73

CHEMICALLY INDUCED

Effects of one-year administration of ethylenethiourea upon the thyroid of the rat. Graham SL, et al.
J Agric Food Chem 21:324-9, May-Jun 73

CLASSIFICATION

Review of surgical treatment of 90 cases of cancer of the thyroid. Caracciolo PR. Int Surg 58:402-5, Jun 73
Thyroid carcinoma and radiation. A Chicago endemic. DeGroot L, et al. JAMA 225:487-91, 30 Jul 73

COMPLICATIONS

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Oral mucosal neuroma-medullary thyroid carcinoma syndrome. Walker DM.
Br J Dermatol 88:599-603, Jun 73
Diarrhea and medullary carcinoma of the thyroid. Steinfeld CM, et al. Cancer 31:1237-9, May 73
The spectrum of diffuse pulmonary infiltration in malignant disease. Schwarz MI, et al.
Chest 64:88-93, Jul 73 (18 ref.)
Long-time observations of the Blalock-Taussig operation. V. Neoplasms in Tetralogy of Fallot. Mulvihill JJ, et al. Johns Hopkins Med J 133:16-8, Jul 73
Secondary hyperparathyroidism. Rasmussen H.
Mt Sinai J Med NY 40:462-73, May-Jun 73
Nutmeg for diarrhea of medullary carcinoma of thyroid. Fawell WN, et al.
N Engl J Med 289:108-9, 12 Jul 73
The cellular basis of metabolic bone disease. Rasmussen H, et al.
N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)

Emergency thyroidectomy. Bodon GR.
NY State J Med 73:1322-4, 1 Jun 73
Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al.
Surgery 74:21-9, Jul 73
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al.
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Operative treatment of "solitary" metastases of the thoracic and lumbar vertebral bodies] Salzer M, et al.
Arch Orthop Unfallchir 15:249-54, 24 Apr 73 (Eng. Abstr.) (Ger)
[Pheochromocytoma and medullary carcinoma of the thyroid in Sipple's syndrome] Jedvab M, et al.
Harefuah 84:386-9, 1 Apr 73 (Eng. Abstr.) (Heb)
[Certain peculiarities of the clinical picture of cancer of the thyroid gland in childhood and adolescence] Reznichenko FM, et al. Pediatriia 52:54-8, Jan 73 (Rus)

DIAGNOSIS

Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. Am J Surg 126:67-73, Jul 73
Neurilemmoma of the cervical portion of the vagus nerve. A collective review and two case reports. Reddick LP, et al. Am J Surg 125:744-7, Jun 73
Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Oral mucosal neuroma-medullary thyroid carcinoma syndrome. Walker DM.
Br J Dermatol 88:599-603, Jun 73
131-I study of thyroid tuberculosis mimicking thyroid carcinoma. Wang Y, et al.
CRC Crit Rev Radiol Sci 3:101-3, Jan 72
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
Scanning in non-toxic nodular goitres. Ramanna L, et al.
Indian J Cancer 10:55-9, Mar 73
Differential uptake of 125 I - and 99m TcO 4 - in a histologically unusual metastatic thyroid carcinoma. Schall GL, et al. J Surg Oncol 5:235-42, 1973
Evolving concepts of thyroid function. Bartuska DG, et al. Med Clin North Am 57:1117-33, Jul 73 (67 ref.)
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al.
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Occult miliary metastases of thyroid epitheliomas detected solely by routine scintigraphy with iodine 131 (with 2 unpublished cases)] Bricout PB, et al.
Union Med Can 102:1061-3, May 73 (Eng. Abstr.) (Fre)
[Radiological medical check-ups of the thyroid gland] Grebe SF. Z Allgemeinmed 49:762-7, 10 Jun 73 (Ger)
[Precision rate in routinely administered perbronchial needle biopsy] Wetzer K.
Z Erkr Atmungsorgane 137:249-56, Feb 73 (Ger)
[Clinical application of macrophage migration inhibition test] Akiyama T, et al.
Jap J Clin Pathol 21:52-8, Jan 73 (7 ref.) (Jap)
[Malignant tumors of the thyroid gland in children and adolescents] Mavliutova MG, et al.
Khirurgiia (Mosk) 48:24-6, Sep 72 (Eng. Abstr.) (Rus)
[Certain peculiarities of the clinical picture of cancer of the thyroid gland in childhood and adolescence] Reznichenko FM, et al. Pediatriia 52:54-8, Jan 73 (Rus)
[Comparative clinico-morphological characteristics of endemic goiter in the Amur Province] Grigoriev PIa, et al. Vestn Khir 110:37-40, Jan 73 (Eng. Abstr.) (Rus)
[Scintillogram and the thyroid nodule (analysis of 200 cases)] Menchaca Montano JM, et al.
Rev Clin Esp 129:169-72, 30 Apr 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Combination therapy of solid tumors using 1,3-bis(2-chloroethyl)-1-nitrosourea (NCNU), vincristine, methotrexate, and 5-fluorouracil. Omura GA, et al. Cancer 31:1374-81, Jun 73
[Possibilities and limitations of radioiodine therapy in thyroid neoplasms] Bianchini G.
Minerva Med 64:1359-74, 21 Apr 73 (Eng. Abstr.) (Ita)

ENZYMOLOGY

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Histochemical properties of "C" cells and solid thyroid cancers with stromal amyloidosis] Mikhailov IG. Vopr Onkol 18:13-8, 1972 (Eng. Abstr.) (Rus)

ETIOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72
Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. Aust NZ J Med 3:184-8, Apr 73
Thyroid carcinoma and radiation. A Chicago endemic. DeGroot L, et al. JAMA 225:487-91, 30 Jul 73
Carcinoma of the thyroid in a patient treated with radioiodine for hyperthyroidism. Reeve TS, et al.
Med J Aust 1:993-6, 19 May 73
[Morphologic changes in the thyroid glands of patients with thyrotoxicosis following treatment with I-131] Kolesnikova GS.
Med Radiol (Mosk) 17:23-30, Oct 72 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Oral mucosal neuroma-medullary thyroid carcinoma syndrome. Walker DM.
Br J Dermatol 88:599-603, Jun 73
Chromosomes in Sipple's syndrome. Levan G, et al.
Lancet 1:1510, 30 Jun 73
Heredity and cancer in man. Knudson AG Jr, et al.
Prog Med Genet 9:113-58, 1973 (183 ref.)
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pheochromocytoma and medullary carcinoma of the thyroid in Sipple's syndrome] Jedvab M, et al.
Harefuah 84:386-9, 1 Apr 73 (Eng. Abstr.) (Heb)

IMMUNOLOGY

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
Distribution of microsomal antigen in various types of thyroid tumour. Doniach I, et al.
Clin Exp Immunol 14:77-90, May 73
Demonstration of cell-mediated and blocking immune responses to tumor antigens in cancer patients with the colony-inhibition-in-gel test. Cummings FJ, et al.
Isr J Med Sci 9:308-16, Mar 73

METABOLISM

ACTH and calcitonin secreting medullary carcinoma of

LIBRARY U. OF I., URBANA-CHAMPAIGN

the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72
The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73
Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al.
J Clin Endocrinol Metab 36:1088-96, Jun 73
Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al.
Surgery 74:21-9, Jul 73
[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

MORTALITY

Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Gordon PR, et al.
Cancer 31:915-24, Apr 73
[Results of the surgical treatment of papillary cancer of the thyroid] Valdina EA.
Vopr Onkol 19:8-12, May 73 (Eng. Abstr.) (Rus)

OCCURRENCE

Scanning in non-toxic nodular goitres. Ramanna L, et al.
Indian J Cancer 10:55-9, Mar 73
Thyroid carcinoma and radiation. A Chicago endemic. DeGroot L, et al. **JAMA 225:487-91, 30 Jul 73**

PATHOLOGY

Late effects of irradiation on the thyroid gland in mice. II. Irradiation of mouse foetuses. Walinder G, et al.
Acta Radiol [Ther] (Stockh) 11:577-89, Dec 72
Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Synovial sarcoma of the head and neck. Krugman ME, et al. **Arch Otolaryngol 98:53-4, Jul 73**
A singular large skull metastasis from follicular thyroid carcinoma in a Mountaingyard female. Strangmeier JM. **Ariz Med 30:409-10, Jun 73**
Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Gordon PR, et al.
Cancer 31:915-24, Apr 73
ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Carcinomas of the thyroid in childhood] Mussa A.
Minerva Chir 28:421-34, 31 Mar 73 (Eng. Abstr.) (Ita)
[Possibilities and limitations of radioiodine therapy in thyroid neoplasms] Bianchini G.
Minerva Med 64:1359-74, 21 Apr 73 (Eng. Abstr.) (Ita)
[Ultrastructural organ specificity of the cells of human cancerous tumors] Raikhlin NT.
Arkh Patol 35:3-17, 1973 (144 ref.) (Rus)
[Histochemical properties of "C" cells and solid thyroid cancers with stromal amyloidosis] Mikhailov IG. **Vopr Onkol 18:13-8, 1972 (Eng. Abstr.) (Rus)**

RADIOTHERAPY

Modification of isodose curves by means of compensating filters. Sorensen NE.
Acta Radiol [Ther] (Stockh) 11:590-2, Dec 72
Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Gordon PR, et al.
Cancer 31:915-24, Apr 73
The effect of 131 I therapy on survival of patients with metastatic papillary or follicular thyroid carcinoma. Leeper RD. **J Clin Endocrinol Metab 36:1143-52, Jun 73**
[Possibilities and limitations of radioiodine therapy in thyroid neoplasms] Bianchini G.
Minerva Med 64:1359-74, 21 Apr 73 (Eng. Abstr.) (Ita)

SURGERY

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Synovial sarcoma of the head and neck. Krugman ME, et al. **Arch Otolaryngol 98:53-4, Jul 73**
Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Gordon PR, et al.
Cancer 31:915-24, Apr 73
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**
Review of surgical treatment of 90 cases of cancer of the thyroid. Caracciolo PR. **Int Surg 58:402-5, Jun 73**
Differential uptake of 125 I - and 99m TcO 4 - in a histologically unusual metastatic thyroid carcinoma. Schall GL, et al. **J Surg Oncol 5:235-42, 1973**
Thyroid carcinoma and radiation. A Chicago endemic. DeGroot L, et al. **JAMA 225:487-91, 30 Jul 73**
Indications for thyroidectomy. **Lancet 2:82, 14 Jul 73**
Medullary carcinoma of the thyroid gland. Dunn EL, et al. **Surgery 73:848-58, Jun 73**
[Cancer of the thyroid with cerci cervico-mediastinal venous propagation] Lagache G, et al.
Ann Chir 27:249-53, Mar 73 (Fre)
[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al.
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Malignant tumors of the thyroid gland in children and adolescents] Maviiutova MG, et al.
Khirurgiia (Mosk) 48:24-6, Sep 72 (Eng. Abstr.) (Rus)
[Surgical intervention on the thyroid gland in patients with lymphogranulomatosis] Apasov GN, et al.
Vestn Khir 110:29-33, Jan 73 (Eng. Abstr.) (Rus)
[Results of the surgical treatment of papillary cancer of the thyroid] Valdina EA.
Vopr Onkol 19:8-12, May 73 (Eng. Abstr.) (Rus)

THERAPY

[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)

URINE

Diarrhea and medullary carcinoma of the thyroid. Steinfeld CM, et al. **Cancer 31:1237-9, May 73**

THYROIDITIS

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972
Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am 57:1117-33, Jul 73 (67 ref.)**

DIAGNOSIS

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:148-54, 1973
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**

ENZYMOLOGY

[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and

autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

ETIOLOGY

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al. Immunology 24:859-70, May 73
Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73
Acute suppurative thyroiditis. Report of two cases including one caused by Mycobacterium intracellulare (Battey bacillus). Olin R, et al. Minn Med 56:586-8, Jul 73

FAMILIAL & GENETIC

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73

IMMUNOLOGY

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
Leucocyte migration inhibition with mitochondria in human autoimmune thyroid disorders. Wartenberg J, et al. Clin Exp Immunol 14:203-12, Jun 73
A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73
The immunoreaction of auto- and heteroantisera with modified human thyroglobulin. Salabè GB, et al. Int Arch Allergy Appl Immunol 44:181-96, 1973
Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73
[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

METABOLISM

[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al. Immunology 24:859-70, May 73
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Factors affecting transfer of experimental autoimmune thyroiditis in rats. Rose NR, et al. Immunology 24:859-70, May 73

SURGERY

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)

THYROIDITIS, LYMPHOMATOUS

BLOOD

Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73

COMPLICATIONS

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. Am J Med 54:782-7, Jun 73
"Ischaemic" malabsorption due to mesenteric artery occlusion: an antecedent role of Hashimoto thyroiditis? Whitworth JA.
Med J Aust 1:804-5, 21 Apr 73
[Hashimoto's thyroiditis associated with pseudo-viral hepatitis: apropos of 2 cases in the same family] Klotz HP, et al.
Ann Endocrinol (Paris) 33:399-403, Jul-Aug 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Ofstad E, et al.
Acta Chir Scand 139:148-54, 1973
Indications for thyroidectomy. Lancet 2:82, 14 Jul 73
[Hashimoto's thyroiditis associated with pseudo-viral hepatitis: apropos of 2 cases in the same family] Klotz HP, et al.
Ann Endocrinol (Paris) 33:399-403, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Cold solitary thyroid nodule. Anatomo-pathological comparison. Therapeutic discussion. Apropos of 144 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. Am J Med 54:782-7, Jun 73

ETIOLOGY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. Am J Med 54:782-7, Jun 73

FAMILIAL & GENETIC

[Hashimoto's thyroiditis associated with pseudo-viral hepatitis: apropos of 2 cases in the same family] Klotz HP, et al.
Ann Endocrinol (Paris) 33:399-403, Jul-Aug 72 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. Am J Med 54:782-7, Jun 73
Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
Cytotoxic lymphocytes in Hashimoto thyroiditis. An in vitro assay system using 51 Cr-labelled chicken red blood cells coated with thyroglobulin. Calder BA, et al. Clin Exp Immunol 14:19-23, May 73
Lymphocyte-dependent antibody-mediated cytotoxicity in Hashimoto thyroiditis. Calder EA, et al. Clin Exp Immunol 14:153-8, Jun 73
Leucocyte migration inhibition with mitochondria in human autoimmune thyroid disorders. Wartenberg J, et al. Clin Exp Immunol 14:203-12, Jun 73
Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:396-408, 1973
Indications for thyroidectomy. Lancet 2:82, 14 Jul 73
Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73
[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

METABOLISM

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PATHOLOGY

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. Geriatrics 28:80-96, Jul 73

"Ischaemic" malabsorption due to mesenteric artery occlusion: an antecedent role of Hashimoto thyroiditis? Whitworth JA. Med J Aust 1:804-5, 21 Apr 73

[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al. Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Eng. Abstr.) (Fre)

RADIOTHERAPY

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. J Clin Endocrinol Metab 36:1074-8, Jun 73

THYROID

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

THERAPEUTIC USE

Management of the hyperlipidemic patient. Berkowitz D. **Med Clin North Am 57:881-92, Jul 73 (81 ref.)**

DIIODOTYROSINE

Conformational change of pepsin induced by its substrate N-acetyl-L-phenylalanyl-L-3,5-diiodotyrosine. Perlmann GE, et al. **Arch Biochem Biophys 157:145-7, Jul 73**

CHEMICAL SYNTHESIS

A new biochemical effect of erythropoietin. Ray PK, et al. **Biochem Biophys Res Commun 52:1320-8, 19 Jun 73**

METABOLISM

Relative rates of monoiodotyrosine and diiodotyrosine liberation during nzymatic hydrolysis of iodinated di- and tripeptides. Kobayashi I, et al. **Endocrinology 92:1612-6, Jun 73**

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**

PHARMACODYNAMICS

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al. **J Physiol (Paris) 65:Suppl 3:482A, 1972 (Fre)**

IODOTYROSINE

Binding of thyroxine and thyroxine analogs to human serum prealbumin. Pages RA, et al. **Biochemistry 12:2773-9, 3 Jul 73**

Digoxin radioimmunoassay: dealing with a loss of sensitivity. Schall RF Jr. **Clin Chem 19:688-9, Jun 73**

ANALYSIS

[Identification in bovine thyroglobulin of an iodinated dipeptide, tetraiodinated tyrosyltyrosine] Madelmont JC, et al. **C R Acad Sci [D] (Paris) 276:1357-9, 19 Feb 73 (Fre)**

BLOOD

Thyroid function tests. Sterling K. **Adv Intern Med 18:345-62, 1972 (106 ref.)**

CHEMICAL SYNTHESIS

A new biochemical effect of erythropoietin. Ray PK, et al. **Biochem Biophys Res Commun 52:1320-8, 19 Jun 73**

METABOLISM

Relative rates of monoiodotyrosine and diiodotyrosine liberation during nzymatic hydrolysis of iodinated di- and tripeptides. Kobayashi I, et al. **Endocrinology 92:1612-6, Jun 73**

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**

PHARMACODYNAMICS

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al. **J Physiol (Paris) 65:Suppl 3:482A, 1972 (Fre)**

THYROGLOBULIN

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al. **Aust NZ J Med 3:162-8, Apr 73**

Cytotoxic lymphocytes in Hashimoto thyroiditis. An in vitro assay system using 51 Cr-labelled chicken red blood cells coated with thyroglobulin. Calder BA, et al. **Clin Exp Immunol 14:19-23, May 73**

The immunoreaction of auto- and heteroantisera with modified human thyroglobulin. Salabè GB, et al. **Int Arch Allergy Appl Immunol 44:181-96, 1973**

Subunit heterogeneity of thyroglobulin. Spiro MJ. **J Biol Chem 248:4446-60, 25 Jun 73**

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. **J Pediatr 83:237-40, Aug 73**

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet 1:854-7, 21 Apr 73**

Autoantibodies in leprosy among Thai patients. Petchclai B, et al. **Lancet 1:1481-2, 30 Jun 73**

Antibody-dependent peritoneal-cell-mediated cytotoxicity in man. Podleski WK, et al. **Lancet 1:1389, 16 Jun 73**

Interactions of thymus-dependent and bone-marrow-derived lymphocytes in immunological tolerance. Allison AC. **Proc R Soc Med 66:463-5, May 73 (19 ref.)**

ANALYSIS

Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency. Crawford C, et al. **Aust NZ J Med 3:184-8, Apr 73**

Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al. **Biochim Biophys Acta 303:338-47, 20 Apr 73**

Subunit heterogeneity of thyroglobulin. Spiro MJ. **J Biol Chem 248:4446-60, 25 Jun 73**

Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al. **J Clin Endocrinol Metab 36:1088-96, Jun 73**

[Identification in bovine thyroglobulin of an iodinated dipeptide, tetraiodinated tyrosyltyrosine] Madelmont JC, et al. **C R Acad Sci [D] (Paris) 276:1357-9, 19 Feb 73 (Fre)**

BIOSYNTHESIS

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al. **Biochim Biophys Acta 294:309-21, 19 Jan 73**

BLOOD

The leukocyte migration test in human thyroid autoimmunity. Correlations with other immunological reactions. Delespesse G, et al. **Horm Metab Res 5:176-9, May 73**

Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. **J Pediatr 83:321-31, Aug 73**

ISOLATION & PURIFICATION

Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al. **Int Arch Allergy Appl Immunol 44:396-408, 1973**

Subunit heterogeneity of thyroglobulin. Spiro MJ. **J Biol Chem 248:4446-60, 25 Jun 73**

METABOLISM

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al. **Acta Endocrinol (Kbh) 73:22-34, May 73**

Efficiency of thyroglobulin as a thyroid

LIBRARY U. OF I., URBANA-CHAMPAIGN

hormone-forming protein. Rolland M, et al.
Biochim Biophys Acta 303:338-47, 20 Apr 73

Rates of colloid droplet and apical vesicle production and membrane turnover during thyroglobulin secretion and resorption. Wollman SH, et al.
Endocrinology 93:248-52, Jul 73

PHARMACODYNAMICS

Leucocyte migration inhibition in thyroid disease. Effect of human thyroid microsomes and thyroglobulin. Wartenberg J, et al.
Int Arch Allergy Appl Immunol 44:398-408, 1973

THYROID HORMONES

Thyroid hypertrophy and hyperfunction caused by active immunization with thyroid hormones. Nieschlag E, et al. **J Endocrinol** 57:555-6, Jun 73

ANTAGONISTS & INHIBITORS

The reaction of N-iodosuccinimide with the goitrogens: a model for the active iodine of the thyroid gland. Jirousek L, et al.
Proc Natl Acad Sci USA 70:1401-5, May 73

BIOSYNTHESIS

Hormonogenesis in whole and sliced rat thyroid lobes maintained in organ cultures. Beck R, et al.
Acta Endocrinol (Kbh) 73:59-63, May 73

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73

Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al.
Biochim Biophys Acta 303:338-47, 20 Apr 73

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci** 52:562-7, Mar 73

[Effect of cervical sympathectomy on thyroid functional activity under conditions of weakened hypophyseal thyrotropic function] Aivazian LK.
Zh Eksp Klin Med 12:13-8, 1972 **(Rus)**

BLOOD

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol** 30:429-40, 1972 (49 ref.)

The optimal program for prophylaxis of endemic goiter with iodized oil. Pretell EA.
Adv Exp Med Biol 30:267-88, 1972

Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. **J Pediatr** 83:321-31, Aug 73

[Existence of an important fraction of "non-hormonal" iodized proteins in the PBI of birds] Astier H.
C R Acad Sci [D] (Paris) 676:793-6, 29 Jan 73 **(Fre)**

[Variations of thyroid activity as a function of illumination in the rabbit] Berthelot A, et al.
J Physiol (Paris) 65:Suppl 3:352A, 1972 **(Fre)**

[Serum hormonal iodine, blood eosinophils and basophils] Piette C, et al.
Pathol Biol (Paris) 21:405-10, Apr 73 (Eng. Abstr.) **(Fre)**

[Thyroid hormones and insulin secretion: analogue analysis of the oral glucose tolerance test in thyrotoxicosis] Federspil G, et al.
Acta Diabetol Lat 10:16-29, Jan-Feb 73 (Eng. Abstr.) **(Ita)**

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) **(Jap)**

[Functional state of the thyroid gland in hyperbaric oxygenation] Iukhimets AD, et al.
Patol Fiziol Eksp Ter 17:76-8, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

METABOLISM

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)

Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73

[Hypophyseal thyreostimulin and thyroid iodinated amino acids as a function of lighting in adult rabbits] Dale A, et al.
C R Soc Biol (Paris) 166:1296-301, 1972 **(Fre)**

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Chemical mediation of hormone action. Bitensky MW, et al. **Annu Rev Med** 23:263-84, 1972 (180 ref.)

On the effect of thyroid hormone on 26-hydroxylation of C 27 -steroids in rat liver. Björkhem I, et al.
FEBS Lett 31:20-2, 1 Apr 73

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al.
J Physiol (Paris) 65:Suppl 3:482A, 1972 **(Fre)**

[Hypolipemic agents] Paoletti R, et al.
Minerva Med 64:1267-75, 14 Apr 73 **(Ita)**

[Free fatty acid metabolism in the myocardium in thyrotoxicosis] Turakulov IaKh, et al.
Vopr Med Khim 19:212-4, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of hormones and nutrition on brain development. Balázs R.
Adv Exp Med Biol 30:385-415, 1972 (85 ref.)

Humoral control of hemopoiesis. Gordon AS, et al.
Adv Intern Med 18:39-58, 1972 (99 ref.)

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am** 57:1117-33, Jul 73 (67 ref.)

Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Oppenheimer JH.
Mt Sinai J Med NY 40:491-501, May-Jun 73

The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al.
Nephron 10:66-112, 1973 (238 ref.)

[Plasma lipoprotein biosynthesis and regulation] Infante R.
Expos Annu Biochim Med 31:55-90, 1972 (209 ref.) **(Fre)**

[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al.
Endokrynol Pol 24:105-32, 1973 (136 ref.) **(Pol)**

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al.
Usp Fiziol Nauk 3:26-44, Oct-Dec 72 (143 ref.) **(Rus)**

SECRETION

[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) **(Ukr)**

THERAPEUTIC USE

The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. **Adv Exp Med Biol** 30:3-17, 1972

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics** 28:80-96, Jul 73

Electroencephalographic changes in hypothyroidism. Gupta SP, et al. **Indian J Med Res** 60:1101-6, Jul 72

Male pseudohermaphroditism in a child with Down's syndrome. Golbus MS, et al.
J Med Genet 10:189-92, Jun 73

[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 **(Bul)**

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**

[Principles of chronic hormone substitution] Mosonyi L.
Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) **(Ger)**

THYRONINE

Thyroid hormone structure: molecular conformation of 3'-isopropyl-3,5-diiodo-L-thyronine, the most potent known thyromimetic agent. Fawcett JK, et al. **Biochem Biophys Res Commun 52:407-12, 15 May 73**

PHARMACODYNAMICS

Thyromimetic activity of 3,5,3',5'-tetramethylthyronine. Pittman JA, et al. **Endocrinology 93:201-4, Jul 73**

THERAPEUTIC USE

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al. **Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al. **Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)**

THYROXINE

Collagen synthesis in thoracic aortas of rabbits with epinephrine-thyroxine induced arteriosclerosis. Langner RO, et al. **Atherosclerosis 17:463-9, May-Jun 73**

Binding of thyroxine and thyroxine analogs to human serum prealbumin. Pages RA, et al. **Biochemistry 12:2773-9, 3 Jul 73**

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al. **J Biol Chem 248:4716-23, 10 Jul 73**

The interaction of human plasma retinol-binding protein and prealbumin. Jaarsveld PP van, et al. **J Biol Chem 248:4698-705, 10 Jul 73**

Studies on the transport and cellular distribution of vitamin A in normal and vitamin A-deficient rats with special reference to the vitamin A-binding plasma protein. Peterson PA, et al. **J Biol Chem 248:4009-22, 10 Jun 73**

Combination of specific antibodies with the human vitamin A-transporting protein complex. Vahlquist A, et al. **J Biol Chem 248:4040-6, 10 Jun 73**

Thyroid hypertrophy and hyperfunction caused by active immunization with thyroid hormones. Nieschlag E, et al. **J Endocrinol 57:555-6, Jun 73**

Effect of age on thyroxine-induced cardiac hypertrophy in mice. Florini JR, et al. **J Gerontol 28:293-7, Jul 73**

Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al. **J Pharmacol Exp Ther 185:468-78, Jun 73**

Thyroidectomy cells and their response to thyrotrophin releasing hormone (TRH) in the rat. Shiino M, et al. **Z Zellforsch Mikrosk Anat 138:327-32, 17 Apr 73**

[Studies on the effect of propranolol on heart mechanics and contractility in experimentally induced hyperthyroidism] Strauer BE, et al. **Verh Dtsch Ges Kreislaufforsch 38:262-8, 1972 (Ger)**

ADMINISTRATION & DOSAGE

The influence of thyroxine and environmental temperature on the specific activity of hepatic malic enzyme in young male chicks. Balnave D. **Comp Biochem Physiol [A] 44:1069-74, 1 Apr 73**

Cytochemical reactions in the cells of the white blood cell system of the rat bone-marrow under the influence of thyroxine and methylthiouracil. Slowik J. **Folia Histochem Cytochem (Krakow) 11:59-64, 1973**

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al. **J Biol Chem 248:4716-23, 10 Jul 73**

Effect of age on thyroxine-induced cardiac hypertrophy in mice. Florini JR, et al. **J Gerontol 28:293-7, Jul 73**

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE. **Neuroendocrinology 10:273-81, 1972**

[Therapy of hypothyroidism: results of thyroxine and triiodothyronine] Medeiros Neto GA de. **Rev Assoc Med Bras 19:25-32, Jan 73 (Eng. Abstr.) (Por)**

[Effect of lipolytic hormones on release of FFA from adipose tissue of thyroidectomized rats and treated with thyroxine in vitro] Kovačev VP, et al. **God Zb Med Fak Skopje 18:105-11, 1972 (Eng. Abstr.) (Ser)**

ANALYSIS

Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al. **Biochim Biophys Acta 303:338-47, 20 Apr 73**

Development of a single, simple in vitro thyroid function test. Mincey EK, et al. **J Nucl Biol Med 16:58-61, Apr-Jun 72**

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al. **Mt Sinai J Med NY 40:502-10, May-Jun 73**

[Evaluation of hormonal activity in culture of thyroid explants of Gobius niger L] Bonnin JP, et al. **C R Soc Biol (Paris) 166:347-50, 9 Nov 72 (Fre)**

[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN. **Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

BIOSYNTHESIS

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN. **Am J Physiol 224:1388-90, Jun 73**

Intrathyroidal amines and the synthesis of thyroid hormone. Melander A, et al. **Endocrinology 93:193-200, Jul 73**

Response of tail fin of Proteus anginus to thyroxine. Svob M, et al. **J Exp Zool 184:341-4, Jun 73**

Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Oppenheimer JH. **Mt Sinai J Med NY 40:491-501, May-Jun 73**

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**

BLOOD

Role of the placenta and of plasma hormone binding in the pathogenesis of cretinism. Pretell EA. **Adv Exp Med Biol 30:449-54, 1972**

Thyroid function tests. Sterling K. **Adv Intern Med 18:345-62, 1972 (106 ref.)**

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al. **Aerosp Med 44:855-9, Jul 73**

Effect of triiodothyronine on some metabolic responses of obese patients. Bray GA, et al. **Am J Clin Nutr 26:715-21, Jul 73**

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al. **Am J Obstet Gynecol 116:661-5, 1 Jul 73**

Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al. **Am J Obstet Gynecol 116:905-10, 1 Aug 73**

The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al. **Ann Surg 177:643-7, Jun 73**

THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al. **Arch Gen Psychiatry 29:28-32, Jul 73**

Grades of hypothyroidism. Harvey RF. **Br Med J 2:488-9, 26 May 73**

A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al. **Clin Chim Acta 45:255-9, 18 May 73**

LIBRARY U. OF I., URBANA-CHAMPAIGN

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73

The circannual variations of thyroid activity in the woodchuck (Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-80, 1 Mar 73

Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al.
Endocrinology 92:1731-5, Jun 73

Endocrine physiology of the puerperal sow. Molokwu EC, et al. **J Anim Sci** 36:1158-63, Jun 73

Effect of lithium on thyroxine disappearance in man. Carlson HE, et al.
J Clin Endocrinol Metab 36:1251-4, Jun 73

Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al.
J Clin Endocrinol Metab 36:1050-7, Jun 73

Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al.
J Clin Endocrinol Metab 36:1088-96, Jun 73

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. **J Clin Endocrinol Metab** 36:1074-8, Jun 73

Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73

Thyroid function in molybdenotic rabbits. Widjajakusuma MC, et al.
J Endocrinol 57:419-24, Jun 73

Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. **J Pediatr** 83:321-31, Aug 73

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. **J Pediatr** 83:237-40, Aug 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al.
Lancet 1:889, 21 Apr 73

Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. **Lancet** 2:67-70, 14 Jul 73

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73

The distribution of l-thyroxine labeled with radioactive iodine-125 in the ears of squirrel monkeys. Igarashi M, et al. **ORL** 34:240-51, 1972

Triiodothyronine hyperthyroidism. Gharib H, et al.
Postgrad Med 54:77-81, Jul 73

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci** 52:562-7, Mar 73

Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding globulin technique. May JD, et al.
Poult Sci 52:688-92, Mar 73

Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour. O'Donnell J, et al. **Proc R Soc Med** 66:441-2, May 73

The rapid postnatal increase of red cell 2,3-diphosphoglycerate: its relation to plasma thyroxine. Versmold H, et al.
Respir Physiol 18:26-33, Jun 73

Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73

[Age dependence of thyroxine metabolism in euthyroid patients] Nielsen LK, et al.
Ugeskr Laeger 135:640-4, 19 Mar 73 (Eng. Abstr.) **(Dan)**

[Variations of thyroid activity as a function of illumination in the rabbit] Berthelot A, et al.
J Physiol (Paris) 65:Suppl 3:352A, 1972 **(Fre)**

[Free thyroxine index: measurement method and value] Linquette M, et al.
Lille Med 18:1-6, Jun 73 **(Fre)**

[Serum hormonal iodine. Comparison with blood thyroxine measured by radiocompetition] Racadot A, et al. **Lille Med** 18:7-12, Jun 73 **(Fre)**

[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 **(Fre)**

[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) **(Fre)**

[Examination of TSH (thyroid stimulating hormone) test using T4 level in the blood as an index] Baba S, et al. **Clin Endocrinol (Tokyo)** 21:67-72, Jan 73 **(Jap)**

[New method in thyroid gland function tests--Res-O-Mat ETR] Miyoshi M, et al.
Clin Endocrinol (Tokyo) 20:985-8, Nov 72 **(Jap)**

[ETR-test during pregnancy] Hishida T, et al.
Jap J Nucl Med 9:569-72, Dec 72 (Eng. Abstr.) **(Jap)**

[A new in vitro thyroid function test with "Res-O-Mat ETR" diagnostic kit] Nakagawa S, et al.
Jap J Nucl Med 9:551-60, Dec 72 (Eng. Abstr.) **(Jap)**

[Diagnostic value of the binding coefficient of triiodothyronine and of total and free thyroxine in thyrotoxicosis] Slavnov VN, et al.
Med Radiol (Mosk) 18:21-8, Mar 73 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

The distribution of l-thyroxine labeled with radioactive iodine-125 in the ears of squirrel monkeys. Igarashi M, et al. **ORL** 34:240-51, 1972

METABOLISM

Deiodination of radiothyroxine by tissue homogenates of brook trout, Salvelinus fontinalis (Mitchill). Law YM, et al.
Comp Biochem Physiol [B] 44:1175-83, 15 Apr 73

Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al.
Horm Metab Res 5:62, Jan 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

The thyroid gland in pregnancy. Burrow GN.
Major Probl Obstet Gynecol 3:1-138, 1972

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73

Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)

The distribution of l-thyroxine labeled with radioactive iodine-125 in the ears of squirrel monkeys. Igarashi M, et al. **ORL** 34:240-51, 1972

[Peripheral factors in the action of hormones] (Charvát J), Pacovský V.
Cas Lek Cesk 112:617-9, 18 May 73 (Eng. Abstr.) **(Cze)**

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 **(Fre)**

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) **(Jap)**

[Effects of cyproheptadine on the degradation of thyroxine and triiodithyronine by rat muscle] Cabo SL, et al.
Medicina (B Aires) 32:637-9, Nov-Dec 72 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73

Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972

The effects of thyroid hormone on protein synthesis in the central nervous system of developing mammals. Dunn JT. **Adv Exp Med Biol** 30:367-83, 1972

Sodium pump activity during norepinephrine-stimulated respiration in brown adipocytes. Herd PA, et al.
Am J Physiol 224:1300-4, Jun 73

Nicotinamide deamidase from rabbit liver. 3. Inhibition and sedimentation studies. Gillam SS, et al.
Arch Biochem Biophys 157:268-84, Jul 73

A microsomal ATP-activated pyridine nucleotide transhydrogenase. Hasson EP, et al.
Arch Biochem Biophys 155:258-69, Apr 73

Excretion of phosphate and calcium. Physiology of

their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med** 131:828-59, Jun 73

The influence of thyroxine and environmental temperature on the specific activity of hepatic malic enzyme in young male chicks. Balnave D. **Comp Biochem Physiol [A]** 44:1069-74, 1 Apr 73

The circannual variations of thyroid activity in the woodchuck (Marmota monax). Wenberg GM, et al. **Comp Biochem Physiol [A]** 44:775-80, 1 Mar 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Thyromimetic activity of 3,5,3',5'-tetramethylthyronine. Pittman JA, et al. **Endocrinology** 93:201-4, Jul 73

TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al. **Endocrinology** 93:26-33, Jul 73

Cytochemical reactions in the cells of the white blood cell system of the rat bone-marrow under the influence of thyroxine and methylthiouracil. Slowik J. **Folia Histochem Cytochem (Krakow)** 11:59-64, 1973

Prolactin and thyroid hormone interactions in salt and water balance in the newt Notophthalmus viridescens. Brown PS, et al. **Gen Comp Endocrinol** 20:455-66, Jun 73

Preliminary study of the influence of thyroxine, temperature, and sex on oxygen uptake by tissues from the spadefoot toad Scaphiopus bombifrons. Packard GC, et al. **Gen Comp Endocrinol** 20:530-3, Jun 73

The influence of gastrin on the fecal and urinary excretion of water, calcium, magnesium, and inorganic phosphorus in sheep. Barlet JP. **Horm Metab Res** 5:124-8, Mar 73

Effects of hypophysectomy on amino acid metabolism and gluconeogenesis in the perfused rat liver. Tolman EL, et al. **J Biol Chem** 248:4552-60, 10 Jul 73

Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt. Dent JN, et al. **J Exp Zool** 184:369-82, Jun 73

Response of tail fin of Proteus anginus to thyroxine. Svob M, et al. **J Exp Zool** 184:341-4, Jun 73

Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al. **Metabolism** 22:859-65, Jul 73

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE. **Neuroendocrinology** 10:273-81, 1972

Descending spinal motor tract regeneration after spinal cord transection. Feringa ER, et al. **Neurology (Minneap)** 23:599-608, Jun 73

Thyroxine-induced regression of tadpole lymph glands. Riviere HB, et al. **Proc Soc Exp Biol Med** 143:320-2, Jun 73

Effects of 3,5-diethylhydantoin on resistance to asphyxia in rats. Shemano I, et al. **Toxicol Appl Pharmacol** 25:250-8, Jun 73

[Effect of thyroxine on the mitoric index in the thyroid gland in newborn white rats] George Y, et al. **C R Soc Biol (Paris)** 166:1349-52, 1972 **(Fre)**

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al. **J Physiol (Paris)** 65:Suppl 3:482A, 1972 **(Fre)**

[Influence of thyroid hormones on the thermogenetic effect of epinephrine in the medulloadrenalectomized dog] Therminarias A, et al. **J Physiol (Paris)** 65:Suppl 3:510A, 1972 **(Fre)**

[Effect of thyroxine and cortisol on the ultrastructure of rat's liver cells] Kubacki J, et al. **Endokrynol Pol** 24:161-9, 1973 (Eng. Abstr.) **(Pol)**

[Role of the hypothalamo-hypophyseal system in the regulation of the transcortin level in rat plasma] Rozen VB, et al. **Probl Endokrinol (Mosk)** 19:58-63, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al. **Probl Endokrinol (Mosk)** 19:75-80, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Effect of thyroidectomy and thyroxine on free fatty acids, glucose and ketone bodies in the blood] Kovačev VP, et al. **God Zb Med Fak Skopje** 18:31-7, 1972 (Eng. Abstr.) **(Ser)**

PHYSIOLOGY

Studies on the cephalochordates of the Madras coast. 14. Polyphenols and phenoloxidase system in amphioxus Branchiostoma lanceolatum. Azariah J. **Acta Histochem (Jena)** 45:91-7, 1973

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol** 35:357-90, 1973 (175 ref.)

Triiodothyronine hyperthyroidism. Gharib H, et al. **Postgrad Med** 54:77-81, Jul 73

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al. **Usp Fiziol Nauk** 3:26-44, Oct-Dec 72 (143 ref.) **(Rus)**

SECRETION

A comparison of the effects of mammalian TSH on the thyroid glands of the teleost Galeichthys felis and the elasmobranch Dasyatis sabina. Jackson RG, et al. **Comp Biochem Physiol [A]** 44:867-70, 1 Mar 73

Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al. **Horm Metab Res** 5:48-50, Jan 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al. **Lancet** 1:889, 21 Apr 73

Mechanisms of lithium action. Singer I, et al. **N Engl J Med** 289:254-60, 2 Aug 73 (9 ref.)

[Thyroid gland and pregnancy] Bernheim R. **Nouv Presse Med** 2:1297-300, 12 May 73 **(Fre)**

THERAPEUTIC USE

Studies on the effect of thyroidectomy on the insulin response to hyperglycaemia in the dog. Renauld A, et al. **Acta Physiol Lat Am** 23:29-36, 1973

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al. **Am J Obstet Gynecol** 116:661-5, 1 Jul 73

Primary hypothyroidism presenting as pituitary failure. Tunbridge WM, et al. **Br Med J** 1:153-4, 20 Jan 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet** 1:854-7, 21 Apr 73

[Peripheral myxedema; amenorrhea-galactorrhea; radiologic image of hypophyseal adenoma; inhibitable hyper-TSH secretion] Guinet P, et al. **Ann Endocrinol (Paris)** 33:376-89, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Therapy of hypothyroidism: results of thyroxine and triiodothyronine] Medeiros Neto GA de. **Rev Assoc Med Bras** 19:25-32, Jan 73 (Eng. Abstr.) **(Por)**

TRIIODOTHYRONINE

Distal conformation of thyroid hormones. The crystal structure of 3,5,3'-triiodothyroacetic acid H-diethanolamine (1:1) complex. Cody V, et al. **Biochem Biophys Res Commun** 52:430-3, 15 May 73

Thyroid hypertrophy and hyperfunction caused by active immunization with thyroid hormones. Nieschlag E, et al. **J Endocrinol** 57:555-6, Jun 73

ADMINISTRATION & DOSAGE

Acceleration of peripheral nervous regeneration in the rat by exogenous triiodothyronine. Cockett SA, et al. **Exp Neurol** 39:389-94, Jun 73

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al. **Sem Hop Paris** 49:683-92, 26 Feb 73 (Eng. Abstr.) **(Fre)**

[Thyroid hormones and insulin secretion: analogue analysis of the oral glucose tolerance test in thyrotoxicosis] Federspil G, et al. **Acta Diabetol Lat** 10:16-29, Jan-Feb 73 (Eng. Abstr.) **(Ita)**

[Therapy of hypothyroidism: results of thyroxine and triiodothyronine] Medeiros Neto GA de. **Rev Assoc Med Bras** 19:25-32, Jan 73 (Eng. Abstr.) **(Por)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

ANALYSIS

Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al. **Biochim Biophys Acta 303:338-47, 20 Apr 73**

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al. **Mt Sinai J Med NY 40:502-10, May-Jun 73**

BIOSYNTHESIS

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**

BLOOD

Thyroid function tests. Sterling K. **Adv Intern Med 18:345-62, 1972 (106 ref.)**

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al. **Aerosp Med 44:855-9, Jul 73**

Effect of triiodothyronine on some metabolic responses of obese patients. Bray GA, et al. **Am J Clin Nutr 26:715-21, Jul 73**

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al. **Arch Gen Psychiatry 29:28-32, Jul 73**

A comparison of different compounds for TBG-blocking used in radioimmunoassay for tri-iodothyronine. Hüfner M, et al. **Clin Chim Acta 44:101-7, 28 Feb 73**

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al. **Clin Endocrinol (Oxf) 1:345-53, Oct 72**

Thyroxine: just a prohormone or a hormone too? Chopra IJ, et al. **J Clin Endocrinol Metab 36:1050-7, Jun 73**

Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al. **J Clin Endocrinol Metab 36:1088-96, Jun 73**

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. **J Clin Endocrinol Metab 36:1074-8, Jun 73**

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. **J Pediatr 83:237-40, Aug 73**

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet 1:854-7, 21 Apr 73**

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al. **Mt Sinai J Med NY 40:502-10, May-Jun 73**

Triiodothyronine hyperthyroidism. Gharib H, et al. **Postgrad Med 54:77-81, Jul 73**

Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding globulin technique. May JD, et al. **Poult Sci 52:688-92, Mar 73**

[Variations of thyroid activity as a function of illumination in the rabbit] Berthelot A, et al. **J Physiol (Paris) 65:Suppl 3:352A, 1972 (Fre)**

[Diagnostic value of the binding coefficient of triiodothyronine and of total and free thyroxine in thyrotoxicosis] Slavnov VN, et al. **Med Radiol (Mosk) 18:21-8, Mar 73 (Eng. Abstr.) (Rus)**

DIAGNOSTIC USE

[A new in vitro thyroid function test with "Res-O-Mat ETR" diagnostic kit] Nakagawa S, et al. **Jap J Nucl Med 9:551-60, Dec 72 (Eng. Abstr.) (Jap)**

METABOLISM

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al. **Aerosp Med 44:855-9, Jul 73**

Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al. **Am J Obstet Gynecol 116:905-10, 1 Aug 73**

Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al. **Horm Metab Res 5:62, Jan 73**

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet 1:854-7, 21 Apr 73**

Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Oppenheimer JH. **Mt Sinai J Med NY 40:491-501, May-Jun 73**

Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al. **Mt Sinai J Med NY 40:502-10, May-Jun 73**

[Effects of cyproheptadine on the degradation of thyroxine and triiodithyronine by rat muscle] Cabo SL, et al. **Medicina (B Aires) 32:637-9, Nov-Dec 72 (Eng. Abstr.) (Spa)**

PHARMACODYNAMICS

Effect of triiodothyronine on some metabolic responses of obese patients. Bray GA, et al. **Am J Clin Nutr 26:715-21, Jul 73**

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology 93:61-73, Jul 73**

TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al. **Endocrinology 93:26-33, Jul 73**

Triiodothyronine action on RNA synthesis in rat-liver mitochondria. Gadaleta MN, et al. **Eur J Biochem 30:376-81, Oct 72**

Acceleration of peripheral nervous regeneration in the rat by exogenous triiodothyronine. Cockett SA, et al. **Exp Neurol 39:389-94, Jun 73**

A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine. Flint G, et al. **Experientia 29:297-9, 15 Mar 73**

On the effect of thyroid hormone on 26-hydroxylation of C 27 -steroids in rat liver. Björkhem I, et al. **FEBS Lett 31:20-2, 1 Apr 73**

Effects of L-triiodothyronine on insulin secretion in man. Erle G, et al. **Horm Metab Res 5:230, May 73**

Plasma growth hormone response to thyrotropin-releasing hormone in patients with active acromegaly. Faglia G, et al. **J Clin Endocrinol Metab 36:1259-62, Jun 73**

Effects of liothyronine-induced hypermetabolism on dipyrone metabolism in man. Brunk SF, et al. **J Clin Pharmacol 13:210-3, May-Jun 73**

Stress relaxation in rat skin after treatment with hormones. Vogel HG. **J Med (Basel) 4:19-27, 1973**

Urinary excretion of catecholamines; modifications with triiodothyronine and sexual hormones. Domiñguez AE, et al. **Medicina (B Aires) 32:619-24, Nov-Dec 72**

The oxygen affinity of axoloti blood and haemoglobin before and after metamorphosis. Hattingh J, et al. **Respir Physiol 18:1-13, Jun 73**

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al. **J Physiol (Paris) 65:Suppl 3:482A, 1972 (Fre)**

[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al. **Probl Endokrinol (Mosk) 19:75-80, Mar-Apr 73 (Eng. Abstr.) (Rus)**

PHYSIOLOGY

Studies on the cephalochordates of the Madras coast. 14. Polyphenols and phenoloxidase system in amphioxus Branchiostoma lanceolatum. Azariah J. **Acta Histochem (Jena) 45:91-7, 1973**

Triiodothyronine hyperthyroidism. Gharib H, et al. **Postgrad Med 54:77-81, Jul 73**

THERAPEUTIC USE

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al. **Adv Exp Med Biol 30:87-113, 1972**

Thyroxine: just a prohormone or a hormone too?

Chopra IJ, et al.
J Clin Endocrinol Metab 36:1050-7, Jun 73

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Therapy of hypothyroidism: results of thyroxine and triiodothyronine] Medeiros Neto GA de.
Rev Assoc Med Bras 19:25-32, Jan 73 (Eng. Abstr.) (Por)

LIBRARY U. OF I., URBANA-CHAMPAIGN

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

ADMINISTRATION & DOSAGE

[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

METABOLISM

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73

THERAPEUTIC USE

[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)

METHIMAZOLE

Effect of thyroid deficiency on the synaptic organization of the rat cerebellar cortex. Hajós F, et al. **Brain Res 50:387-401, 28 Feb 73**

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al.
J Biol Chem 248:4716-23, 10 Jul 73

ANALYSIS

Potentiometric titration of antithyroid drugs with mercuric acetate solution. Pinzauti S, et al.
J Pharm Sci 62:997-9, Jun 73

METABOLISM

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73

The absorption, distribution, excretion and metabolism of (2- 14 C)methimazole in rat. Skellern GG, et al.
Xenobiotica 3:121-32, Feb 73

PHARMACODYNAMICS

Effect of lithium on thyroxine disappearance in man. Carlson HE, et al.
J Clin Endocrinol Metab 36:1251-4, Jun 73

[Changes in the cartilage growth plate in experimental hypothyroidism] Peneva L, et al.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72

Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al.
Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

URINE

The absorption, distribution, excretion and metabolism of (2- 14 C)methimazole in rat. Skellern GG, et al.
Xenobiotica 3:121-32, Feb 73

METHYLTHIOURACIL

[Thyroid hyperplasia and pulmonary tumors induced by methylthiouracil and-or isoniazid in CBA-Cb-Se mice] Biancifiori C.
Lav Ist Anat Istol Patol Perugia 33:27-39, 1973 (Eng. Abstr.) (Ita)

ADMINISTRATION & DOSAGE

[Prospects for improving the results of treating appendicitis] Rusakov VI, et al.
Klin Khir 5:12-6, May 73 (Rus)

ANALYSIS

Potentiometric titration of antithyroid drugs with mercuric acetate solution. Pinzauti S, et al.
J Pharm Sci 62:997-9, Jun 73

CHEMICAL SYNTHESIS

The chemistry of the base-catalyzed condensation of some 3-alkoxy-and 3-alkoxy-2-dialkoxymethyl esters with ureas. Synthesis of 5-substituted uracils. Fissekis JD, et al. **J Org Chem 38:1963-70, 1 Jun 73**

PHARMACODYNAMICS

Cytochemical reactions in the cells of the white blood cell system of the rat bone-marrow under the influence of thyroxine and methylthiouracil. Slowik J.
Folia Histochem Cytochem (Krakow) 11:59-64, 1973

[Histological findings in the rat thyroid after administration of methylthiouracil in comparison to clinical parameters] Matthiesen T, et al.
Arzneim Forsch 22:2121-3, Dec 72 (Eng. Abstr.) (Ger)

[Changes in the cartilage growth plate in experimental hypothyroidism] Peneva L, et al.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Eng. Abstr.) (Rus)

[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (11? ref.) (Ukr)

THERAPEUTIC USE

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

PROPYLTHIOURACIL

Experimental production of otic lesions with antithyroid drugs. Bargman GJ, et al.
Adv Exp Med Biol 30:305-23, 1972

The effects of hydrogen bonding and solvents on the absorption spectra of a 4-thiouracil derivative. Iwamura H. **Biochim Biophys Acta 308:333-8, 18 May 73**

Congenital deafness and hypothyroidism. Deol MS.
Lancet 2:105-6, 14 Jul 73

ADMINISTRATION & DOSAGE

[Non-neoplastic diseases of the thyroid. Analysis of the

immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 (Fre)
[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

ANALYSIS

Potentiometric titration of antithyroid drugs with mercuric acetate solution. Pinzauti S, et al.
J Pharm Sci 62:997-9, Jun 73

METABOLISM

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73

PHARMACODYNAMICS

Experimental model for study of "sudden death" from ventricular fibrillation or asystole. Lee KT, et al.
Am J Cardiol 32:62-73, Jul 73
TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al.
Endocrinology 93:26-33, Jul 73
Tissue thyroid hormone concentration of rat and man determined by radiommunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73

THERAPEUTIC USE

Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis. Bellabarba D, et al.
Clin Endocrinol (Oxf) 1:345-53, Oct 72
Acceleration of growth and bone maturation in childhood thyrotoxicosis. Schlesinger S, et al.
J Pediatr 83:233-6, Aug 73
Diagnosis and management of thyroid diseases in pregnancy. Gottesman RL, et al.
J Reprod Med 11:19-22, Jul 73
[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al.
Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

THIOURACIL

The effects of hydrogen bonding and solvents on the absorption spectra of a 4-thiouracil derivative. Iwamura H. **Biochim Biophys Acta 308:333-8, 18 May 73**
Photochemistry and structure in nucleic acids. Lamola AA. **Pure Appl Chem 34:281-303, 1973 (70 ref.)**
[Spontaneous and induced neoplasms in aquarium fish] Khudolei VV.
Usp Sovrem Biol 74:473-81, Nov-Dec 72 (91 ref.) (Rus)

ADMINISTRATION & DOSAGE

Influence of method of administering thiouracil on thyroid variability. Marks HL, et al.
Poult Sci 52:383-5, Jan 73

ANALYSIS

The nucleotide sequence of the GGG-specific glycine transfer ribonucleic acid of Escherichia coli and of Salmonella typhimurium. Hill CW, et al.
J Biol Chem 248:4252-62, 25 Jun 73
Potentiometric titration of antithyroid drugs with mercuric acetate solution. Pinzauti S, et al.
J Pharm Sci 62:997-9, Jun 73

BLOOD

Accumulation of 35 S-thiouracil by the rat thyroid gland. Lees J, et al. **Endocrinology 93:162-71, Jul 73**

METABOLISM

Accumulation of 35 S-thiouracil by the rat thyroid gland. Lees J, et al. **Endocrinology 93:162-71, Jul 73**

PHARMACODYNAMICS

A comparative study of head and tail kidney peroxidase in a fish (Clarias batrachus). Bhattacharya S, et al.
Comp Biochem Physiol [B] 44:693-700, 15 Mar 73
Dietary self-selection, activity and carcass composition of rats fed thiouracil. Leshner AI, et al.
Physiol Behav 10:373-8, Feb 73
Thyroidal 131 I uptake of Japanese quail in response to three different dietary goitrogens. Howarth B Jr, et al. **Poult Sci 52:326-31, Jan 73**
Growth response of stocks with different growth rates to thiouracil. Marks HL, et al. **Poult Sci 52:112-5, Jan 73**
Inhibition of acquired resistance in cowpea chlorotic mottle virus-infected hypersensitive soybean by 2-thiouracil. Batra GK, et al. **Virology 54:262-9, Jul 73**

THERAPEUTIC USE

[Possibilities and limitations of radioiodine therapy in thyroid neoplasms] Bianchini G.
Minerva Med 64:1359-74, 21 Apr 73 (Eng. Abstr.) (Ita)
[Effects of 6-propyl-2-thiouracil on wound healing following dental extraction. Histological study in rats] Barroso JS, et al.
Rev Fac Odontol Aracatuba 1:71082, 1972 (Eng. Abstr.) (Por)

THYROID ANTAGONISTS

[Thyroid antagonists as fattening additives] Kreuzer W. **Munch Med Wochenschr 115:471, 16 Mar 73 (Ger)**

ADMINISTRATION & DOSAGE

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**
[Combination of low doses of iodine 131 and synthetic antithyroid drugs in long-term care of Basedow's disease. Its value in the prevention of secondary hypothyroidism. (Apropos of 165 cases)] Jaffiol C, et al.
Sem Hop Paris 49:683-92, 26 Feb 73 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Drugs and pregnancy. Eriksson M, et al.
Clin Obstet Gynecol 16:199-224, Mar 73 (20 ref.)

ANALYSIS

Potentiometric titration of antithyroid drugs with mercuric acetate solution. Pinzauti S, et al.
J Pharm Sci 62:997-9, Jun 73

CHEMICAL SYNTHESIS

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)

METABOLISM

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al.
Clin Sci 44:24P, Jun 73

PHARMACODYNAMICS

Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci 52:562-7, Mar 73**
[Effects of treatment with potassium perchlorate on the development of the intestine in the larvae of Discoglossus pictus Otth] Hourdry J.
Gen Comp Endocrinol 20:443-5, Jun 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

A round table discussion. Goiter: the therapeutic choices. Schultz AL, et al. **Geriatrics 28:80-96, Jul 73**
Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. **JAMA 224:1610-3, 18 Jun 73**
Peripheral thymus-dependent (T) lymphocytes in

LIBRARY U. OF I., URBANA-CHAMPAIGN

Graves's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 288:1313-7, 21 Jun 73

[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Activity of erythrocyte glucose-6-phosphate dehydrogenase in hyperthyroidism--effects of treatment] Mihara T, et al.
Folia Endocrinol Jap 49:691-7, 20 Apr 73 (Eng. Abstr.) (Jap)

V. Related Topics

EXOPHTHALMOS

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

CHEMICALLY INDUCED

Endocrine exophthalmos during lithium therapy of manic-depressive disease. Segal RL, et al. N Engl J Med 289:136-8, 19 Jul 73

Limb development in mouse embryos. I. Analysis of teratogenic effects of retinoic acid. Kochhar DM. Teratology 7:289-95, Jun 73

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Symptomatic determinant factors and their mechanisms in the ocular physiopathology of digitalis poisoning] Carapances M, et al. Rev Roum Physiol 10:205-12, 1973 (Fre)

COMPLICATIONS

Difficulties of the differential diagnosis in a medulloblastoma. A casuistic contribution. Scholz V. Eur Neurol 9:292-7, 1973

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Case of eosinophilia, exophthalmos, aortitis and myositis] Inaga H, et al. Ryumachi 12:55-6, Feb 72 (Jap)

[The syndrome of retrobulbar neuritis in edematous exophthalmos] Strazhdina TD. Vestn Oftalmol 2:87-91, Mar-Apr 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

Endocrine exophthalmos during lithium therapy of manic-depressive disease. Segal RL, et al. N Engl J Med 289:136-8, 19 Jul 73

[Clinical echography in orbital diseases] Preisová J, et al. Cesk Oftalmol 29:177-9, May 73 (Eng. Abstr.) (Cze)

[Contribution of echography a to the diagnosis of retrobulbar tumors] Psilas K, et al. Rev Otoneuroophtalmol 44:359-64, Jul-Sep 72 (Fre)

[Orbital cylindroma] Hinzpeter T. Radiologe 12:428-30, Dec 72 (Ger)

[Ultrasound diagnosis of orbital diseases] Machekhin VA. Vestn Oftalmol 2:52-6, Mar-Apr 72 (Eng. Abstr.) (Rus)

DRUG THERAPY

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al. Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

ETIOLOGY

Congenital hemangiomas of the skin with orbital and subglottic hemangiomas. Yee RD, et al. Am J Ophthalmol 75:876-9, May 73

Clinical and histopathologic studies of exophthalmos. Aizawa F, et al. Ann Ophthalmol 5:805-16, Jul 73

Differential diagnosis in orbital injury. Internal carotid-cavernous sinus fistula, orbital, hematoma, blow-out fracture. Smith B, et al. Arch Ophthalmol 89:484-5, Jun 73

B-scan ultrasonography of orbital lymphangiomas. Coleman DJ, et al. Br J Ophthalmol 57:193-8, Mar 73

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

Exophthalmos due to rete mirabile abscess caused by infection with Corynebacterium pyogenes in cattle. Moriwaki M, et al. Natl Inst Anim Health Q (Tokyo) 13:14-22, Spring 73

Unilateral proptosis with loss of vision. Heitzman EB, et al. NY State J Med 73:1671-5, 15 Jun 73

The early symptomatology of retinoblastoma. Sevel D, et al. S Afr Med J 47:1143-4, 7 Jul 73

Medial decompression of the orbit for endocrine exophthalmos. Smith VH. Trans Ophthalmol Soc UK 92:485-90, 1972

[Echinococcus of the orbit] Votočková J, et al. Cesk Oftalmol 29:192-7, May 73 (Eng. Abstr.) (Cze)

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[A case of hydatid cyst of the orbit] Bessière E, et al. Bull Soc Ophtalmol Fr 72:759-62, Jul-Aug 72 (Fre)

[A case of intermittent exophthalmia caused by orbital venous aneurysm] Jayle GE, et al. Rev Otoneuroophtalmol 44:313-8, May-Jun 72 (Fre)

[Longitudinal study of a post-traumatic carotidocavernous fistula] Rosselet E. Rev Otoneuroophtalmol 44:349-52, Jul-Sep 72 (Fre)

[Exophthalmos following strumectomy] Márton D von. Med Monatsschr 26:561-4, Dec 72 (Ger)

[X-ray diagnosis of the orbit in the original x-ray picture] Tänzer A. Radiologe 12:397-402, Dec 72 (Ger)

[Radiological aspects of exophthalmos] Pettinati S, et al. Minerva Med 64:501-16, 3 Mar 73 (Eng. Abstr.) (Ita)

[The etiology of pseudotumor of the eye] Kaminskaia IuS, et al. Vestn Oftalmol 2:83-5, Mar-Apr 72 (Eng. Abstr.) (Rus)

[Varicose veins of the orbit (clinical picture, diagnosis and surgical treatment)] Filatov IuM, et al. Vopr Neirokhir 37:14-8, Jan-Feb 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Action of gamma globulins isolated from the serum of exophthalmic patients on the binding of thyrotropin and its exophthalmic derivative to membrane receptors from retro-ocular tissue] Winand R, et al. Arch Int Physiol Biochim 81:215-6, Feb 73 (Fre)

[Endocrine exophthalmos] Lavergne G, et al. Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al. Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

MICROBIOLOGY

Exophthalmos due to rete mirabile abscess caused by infection with Corynebacterium pyogenes in cattle. Moriwaki M, et al. Natl Inst Anim Health Q (Tokyo) 13:14-22, Spring 73

PATHOLOGY

Clinical and histopathologic studies of exophthalmos. Aizawa F, et al. Ann Ophthalmol 5:805-16, Jul 73

Exophthalmos due to rete mirabile abscess caused by infection with Corynebacterium pyogenes in cattle. Moriwaki M, et al. Natl Inst Anim Health Q (Tokyo) 13:14-22, Spring 73

[Clinical echography in orbital diseases] Preisová J, et al. Cesk Oftalmol 29:177-9, May 73 (Eng. Abstr.) (Cze)

PREVENTION & CONTROL

Remission of hyperthyroidism. MacGregor GA. Br Med J 3:107-8, 14 Jul 73

Prevention of malignant exophthalmos after treatment of thyrotoxicosis. Winand R, et al. Lancet 1:1196, 26 May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

RADIOGRAPHY

[X-ray diagnosis of the orbit in the original x-ray picture] Tänzer A. Radiologe 12:397-402, Dec 72 (Ger)
[Radiological aspects of exophthalmos] Pettinati S, et al. Minerva Med 64:501-16, 3 Mar 73 (Eng. Abstr.) (Ita)
[Orbitophlebography] Grądzki J, et al. Neurol Neurochir Pol 7:343-9, May-Jun 73 (Eng. Abstr.) (Pol)

RADIOTHERAPY

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73

SURGERY

Orbital decompression in thyroid disease. Crombie AL. Trans Ophthalmol Soc UK 92:329-34, 1972
Medial decompression of the orbit for endocrine exophthalmos. Smith VH. Trans Ophthalmol Soc UK 92:485-90, 1972

THERAPY

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. Int Surg 58:482-4, Jul 73
[A case of intermittent exophthalmia caused by orbital venous aneurysm] Jayle GE, et al. Rev Otoneuroophtalmol 44:313-8, May-Jun 72 (Fre)

VETERINARY

Exophthalmos due to rete mirabile abscess caused by infection with Corynebacterium pyogenes in cattle. Moriwaki M, et al. Natl Inst Anim Health Q (Tokyo) 13:14-22, Spring 73

EXOPHTHALMOS PRODUCING SUBSTANCE

[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al. Cas Lek Cesk 112:741-5, 1973 (Eng. Abstr.) (Cze)

IODIDES

Effects of cations on the adenosine diphosphate-adenosine triphosphate exchange reaction catalyzed by rat brain microsomes. Wildes RA, et al. Biochim Biophys Acta 307:162-8, 25 Apr 73
Enzymic iodination of polypeptide hormones for radioimmunoassay. Holohan KN, et al. Clin Chim Acta 45:153-7, 30 Apr 73
Chemotaxis by the nematode Caenorhabditis elegans: identification of attractants and analysis of the response by use of mutants. Ward S. Proc Natl Acad Sci USA 70:817-21, Mar 73

ADMINISTRATION & DOSAGE

Reduction of iodine transfer to milk of cows after perchlorate ingestion. Lengemann FW. J Dairy Sci 56:753-6, Jun 73
Low-dose sodium iodide I 131 therapy in Graves disease. Rapoport B, et al. JAMA 224:1610-3, 18 Jun 73

ANALYSIS

Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al. Am J Obstet Gynecol 116:1017-22, 1 Aug 73

ANTAGONISTS & INHIBITORS

The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-d-homo-5 -androstane dimethiodide (HS-342) in the anaesthetized cat. Marshall IG, et al. Eur J Pharmacol 22:129-34, May 73

DIAGNOSTIC USE

Iodide perchlorate discharge test in lithium-treated patients. Andersen BF. Acta Endocrinol (Kbh) 73:35-42, May 73
Combined double contrast cystography and polycystography in the evaluation of bladder carcinoma. Singh SM, et al. J Urol 110:70-1, Jul 73

METABOLISM

The metabolism of 35S-labelled antithyroid drugs in thyrotoxic, adenomatous, neoplastic and normal human thyroid. Lazarus JH, et al. Clin Sci 44:24P, Jun 73
The effect of inhibitors of thyroid monoamine oxidase on the incorporation of iodine into thyroid slice protein. Huang CL, et al. Life Sci [II] 11:975-82, 22 Oct 72
Effect of diuretics on renal iodide excretion by humans. Fregly MJ, et al. Toxicol Appl Pharmacol 25:289-98, Jun 73
[Development of peroxidase activity and organification of iodide in the thyroid gland of Xenopus laevis (Daudin) during metamorphosis] Regard E, et al. C R Acad Sci [D] (Paris) 276:121-3, 3 Jan 73 (Fre)

PHARMACODYNAMICS

Cation-induced inhibition of the 515-nm absorption change in chloroplasts: relation to structural changes. Gross EL, et al. Arch Biochem Biophys 153:457-67, Dec 72
Action of chaotropic agents on drug-metabolizing enzymes in hepatic microsomes. Vainio H. Biochim Biophys Acta 307:152-61, 25 Apr 73
The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-d-homo-5 -androstane dimethiodide (HS-342) in the anaesthetized cat. Marshall IG, et al. Eur J Pharmacol 22:129-34, May 73
Peroxidase-mediated mammalian cell cytotoxicity. Edelson PJ, et al. J Exp Med 138:318-23, 1 Jul 73
A survey of chemical peeling of the face. Litton C, et al. Plast Reconstr Surg 51:645-7, Jun 73
[Passive transport mechanisms in the erythrocyte membrane] Deuticke B. Arzneim Forsch 22:2043-9, Dec 72 (Eng. Abstr.) (Ger)

TOXICITY

Service livers of respirator cartridges versus several classes of organic vapors. Freedman RW, et al. Am Ind Hyg Assoc J 34:55-60, Feb 73

IODINE

A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. Adv Exp Med Biol 30:115-7, 1972
The neuropathology of congenital hypothyroidism. Rosman NP. Adv Exp Med Biol 30:337-66, 1972
Thyroid hormone structure: molecular conformation of 3'-isopropyl-3,5-diiodo-L-thyronine, the most potent known thyromimetic agent. Fawcett JK, et al. Biochem Biophys Res Commun 52:407-12, 15 May 73
A new biochemical effect of erythropoietin. Ray PK, et al. Biochem Biophys Res Commun 52:1320-8, 19 Jun 73
Isolation and identification of yeast plasma membrane. Schibeci A, et al. Biochim Biophys Acta 311:15-25, 7 Jun 73
Peptides from the site of chicken anti-DNP antibodies. Benedict AA, et al. Immunol Commun 1:279-87, 1972
Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. J Biol Chem 248:5042-9, 25 Jul 73
Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al. J Biol Chem 248:4797-802, 10 Jul 73
Effects of various iodination procedures on the biological activity of LATS. Fenzi GF, et al. J Nucl Biol Med 16:55-7, Apr-Jun 72
The reaction of N-iodosuccinimide with the goitrogens: a model for the active iodine of the thyroid gland. Jirousek L, et al. Proc Natl Acad Sci USA 70:1401-5, May 73
Steroids. XIX. Catalytic iodination of phenolic steroids by horseradish peroxydase. Matkovics B, et al. Steroids Lipids Res 3:257-62, 1972
[False thyrotoxicosis] Bricair H, et al. Rev Prat 23:923-39, 21 Feb 73 (Fre)
[Effective packaging of iodized salt] Speranskii GG, et al. Vopr Pitan 31:87-9, Sep-Oct 72 (Rus)

ADMINISTRATION & DOSAGE

History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A. Adv Exp Med Biol 30:191-9, 1972

preliminary report of a study of the effects of early iodine supplementation on intelligence. Trowbridge FL. **Adv Exp Med Biol** 30:137-49, 1972
IQ tests and intelligence in endemic cretinism. **Adv Exp Med Biol** 30:507-11, 1972
The effect of intrauterine injections of iodine solution on the duration of the oestrous cycle in cows. Grunert E, et al. **J Reprod Fertil** 33:497-9, Jun 73
The effect on serum iodine levels of painting tincture of iodine on the skin. Reeve TS, et al. **Med J Aust** 1:891-2, 5 May 73
[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al. **Minerva Urol** 28:855-61, 1973 **(Fre)**
[Efficacy of simultaneous introduction of iodine and bromine in group antigoiter prophylaxis among schoolchildren] Babenko LS, et al. **Pediatriia** 52:74-5, Jan 73 **(Rus)**

ADVERSE EFFECTS

Disophenol toxicosis in a dog. Legendre AM. **J Am Vet Med Assoc** 163:149-50, 15 Jul 73
[Thyroid function during the development of an iodine goiter] Dussault JH, et al. **Union Med Can** 102:586-90, Mar 73 (Eng. Abstr.) **(Fre)**
[Lumbosacral myelography with a contrast medium (Dimer-X) without spinal anesthesia] Dörsteimann D, et al. **Z Neurol** 204:225-33, 17 May 73 (Eng. Abstr.) **(Ger)**
[SMON and chinoform] Tamura Z. **Protein Nucleic Acid Enzyme (Tokyo)** 18:210-4, Mar 73 (17 ref.) **(Jap)**

ANALYSIS

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al. **Acta Endocrinol (Kbh)** 73:22-34, May 73
The optimal program for prophylaxis of endemic goiter with iodized oil. Preteil EA. **Adv Exp Med Biol** 30:267-88, 1972
Efficiency of thyroglobulin as a thyroid hormone-forming protein. Rolland M, et al. **Biochim Biophys Acta** 303:338-47, 20 Apr 73
Ascorbic acid and fat content in the red and white muscles of carp, Catla catla. Krishnamoorthy RV, et al. **Comp Biochem Physiol [B]** 43:991-7, 15 Dec 72
An absorption correction technique for in vivo iodine quantitation by fluorescent excitation. Kaufman L, et al. **Invest Radiol** 8:167-9, May-Jun 73
Reduction of iodine transfer to milk of cows after perchlorate ingestion. Lengemann FW. **J Dairy Sci** 56:753-6, Jun 73
The reaction of N-iodosuccinimide with the goitrogens: a model for the active iodine of the thyroid gland. Jirousek L, et al. **Proc Natl Acad Sci USA** 70:1401-5, May 73
[Functional aspects of thyroid cells studied by means of scanning electron microscopy: intracellular detection of iodine by simultaneous X-ray microdiffraction] Lavedan J, et al. **C R Acad Sci [D] (Paris)** 276:1003-4, 5 Feb 73 **(Fre)**
[Determination of iodine by X-ray fluorecence analysis using 241 Am source] Shinogi M, et al. **J Pharm Soc Jap** 93:14-9, Jan 73 (Eng. Abstr.) **(Jap)**
[SMON and chinoform] Tamura Z. **Protein Nucleic Acid Enzyme (Tokyo)** 18:210-4, Mar 73 (17 ref.) **(Jap)**
[The use of the periodide formation reaction for the quantitative determination of quinolizidine and quinoline derivatives] Suprun PP. **Farmatsiia** 22:70-4, Mar-Apr 73 **(Rus)**
[Liver catalase activity in mice with leukemia induced by Mazurenko's, Friend's and Rauscher's viruses] Koniukhov AF, et al. **Vopr Med Khim** 19:198-201, Mar-Apr 73 (Eng. Abstr.) **(Rus)**
[Effect of the filtration process on the quality of medicinal cod liver oil] Liubavina LA, et al. **Vopr Pitan** 31:72-4, Sep-Oct 72 (Eng. Abstr.) **(Rus)**
[Iodine content of certain food products of plant origin grown in Tomsk province] Savina PN. **Vopr Pitan** 31:77-8, Sep-Oct 72 **(Rus)**
[Effective packaging of iodized salt] Speranskii GG, et al. **Vopr Pitan** 31:87-9, Sep-Oct 72 **(Rus)**

BLOOD

Thyroid function tests. Sterling K. **Adv Intern Med** 18:345-62, 1972 (106 ref.)
Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al. **Am J Obstet Gynecol** 116:905-10, 1 Aug 73
Electroencephalographic changes in hypothyroidism. Gupta SP, et al. **Indian J Med Res** 60:1101-6, Jul 72
Reduction of iodine transfer to milk of cows after perchlorate ingestion. Lengemann FW. **J Dairy Sci** 56:753-6, Jun 73
The effect on serum iodine levels of painting tincture of iodine on the skin. Reeve TS, et al. **Med J Aust** 1:891-2, 5 May 73
Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci** 52:562-7, Mar 73
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al. **Ann Endocrinol (Paris)** 33:317-30, Jul-Aug 72 (Eng. Abstr.) **(Fre)**
[Clinical, histopathological and biological data for thyroiditis diagnosis] Codaccioni JL, et al. **Ann Endocrinol (Paris)** 33:404-16, Jul-Aug 72 (Eng. Abstr.) **(Fre)**
[Effects of synthetic TRH in normal subjects] Jaquet P, et al. **Ann Endocrinol (Paris)** 33:305-16, Jul-Aug 72 (Eng. Abstr.) **(Fre)**
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al. **Biomedicine** 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**
[Existence of an important fraction of "non-hormonal" iodized proteins in the PBI of birds] Astier H. **C R Acad Sci [D] (Paris)** 676:793-6, 29 Jan 73 **(Fre)**
[Serum hormonal iodine, blood eosinophils and basophils] Piette C, et al. **Pathol Biol (Paris)** 21:405-10, Apr 73 (Eng. Abstr.) **(Fre)**
[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al. **Rev Fr Endocrinol Clin** 13:363-8, Jul-Aug 72 (Eng. Abstr.) **(Fre)**
[Thyroid function during the development of an iodine goiter] Dussault JH, et al. **Union Med Can** 102:586-90, Mar 73 (Eng. Abstr.) **(Fre)**
[Adrenal cortex and thyroid gland activity in alcoholism and polytoxicomania] Klempel K. **Nervenarzt** 44:268-72, May 73 **(Ger)**
[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al. **Medicina (B Aires)** 32:625-31, Nov-Dec 72 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Detection of cervical neoplasia--reducing the risk of error. Stafl A, et al. **Clin Obstet Gynecol** 16:238-60, Jun 73
[Lumbosacral myelography with a contrast medium (Dimer-X) without spinal anesthesia] Dörsteimann D, et al. **Z Neurol** 204:225-33, 17 May 73 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al. **J Biol Chem** 248:4797-802, 10 Jul 73
[SMON and chinoform] Tamura Z. **Protein Nucleic Acid Enzyme (Tokyo)** 18:210-4, Mar 73 (17 ref.) **(Jap)**

METABOLISM

Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic). Delange F, et al. **Adv Exp Med Biol** 30:87-113, 1972
A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Fierro-Benítez R. **Adv Exp Med Biol** 30:115-7, 1972
Thyroid function tests in endemic cretinism. Hershman JM. **Adv Exp Med Biol** 30:161-74, 1972
Similarities and differences between sporadic and

LIBRARY U. OF I., URBANA-CHAMPAIGN

endemic cretinism. Hetzel BS.
Adv Exp Med Biol 30:119-34, 1972
Himalayan cretinism. Ibbertson HK, et al.
Adv Exp Med Biol 30:51-69, 1972
Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol** 30:417-28, 1972
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Effect of triiodothyronine on some metabolic responses of obese patients. Bray GA, et al.
Am J Clin Nutr 26:715-21, Jul 73
Goitrogenic activity of Okoho (a Nigerian edible plant). Ekpechi OL. **Endocrinol Exp (Bratisl)** 7:91-8, 1973
Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al.
Endocrinology 92:1731-5, Jun 73
Intrathyroidal amines and the synthesis of thyroid hormone. Melander A, et al.
Endocrinology 93:193-200, Jul 73
Rates of colloid droplet and apical vesicle production and membrane turnover during thyroglobulin secretion and resorption. Wollman SH, et al.
Endocrinology 93:248-52, Jul 73
Comparative studies on the 125 I uptake of the thyroid and thymus. Csaba G, et al.
Experientia 29:357-8, 15 Mar 73
Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al.
Experientia 29:711-3, 15 Jun 73
Pattern of cold adaptation in women divers of Korea (ama). Hong SK. **Fed Proc** 32:1614-22, May 73
Failure of mammalian TRH to stimulate thyroid function in the lungfish. Gorbman A, et al.
Gen Comp Endocrinol 20:588-9, Jun 73
Effect of lithium on thyroxine disappearance in man. Carlson HE, et al.
J Clin Endocrinol Metab 36:1251-4, Jun 73
Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al.
J Clin Endocrinol Metab 36:1088-96, Jun 73
Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73
Reduction of iodine transfer to milk of cows after perchlorate ingestion. Lengemann FW.
J Dairy Sci 56:753-6, Jun 73
Iodinating ability of various leukocytes and their bactericidal activity. Simmons SR, et al.
J Exp Med 138:44-63, 1 Jul 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73
The effect on serum iodine levels of painting tincture of iodine on the skin. Reeve TS, et al.
Med J Aust 1:891-2, 5 May 73
Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Akiba Y, et al. **Poult Sci** 52:562-7, Mar 73
Thyroidal 131 I uptake of Japanese quail in response to three different dietary goitrogens. Howarth B Jr, et al. **Poult Sci** 52:326-31, Jan 73
The reaction of N-iodosuccinimide with the goitrogens: a model for the active iodine of the thyroid gland. Jirousek L, et al.
Proc Natl Acad Sci USA 70:1401-5, May 73
Selective iodination and cytotoxicity of tumor cells with an antibody-enzyme conjugate. Philpott GW, et al. **Surgery** 74:51-8, Jul 73
Iodination of vesicular stomatitis virus with lactoperoxidase. Walter G, et al.
Virology 52:574-7, Apr 73
[Experiments with a digital model in monitoring thyroid function during inhibited iodine transport in a sequence of organisms] Sudova K, et al.
Sb Lek 75:215-24, Jul 73 (Eng. Abstr.) **(Cze)**
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**
[Aspects of thyroid pathology in Dakar as revealed by radioisotope exploration] Bresson Y, et al.
Bull Soc Med Afr Noire Lang Fr 17:465-71, 1972 (Eng. Abstr.) **(Fre)**
[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) **(Jap)**
[SMON and chinoform] Tamura Z.
Protein Nucleic Acid Enzyme (Tokyo) 18:210-4, Mar 73 (17 ref.) **(Jap)**
[The state of iodine metabolism following gamma therapy of oncologic patients] Balybin ES, et al.
Med Radiol (Mosk) 17:30-3, Oct 72 (Eng. Abstr.) **(Rus)**
[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al.
Med Radiol (Mosk) 17:33-7, Oct 72 (Eng. Abstr.) **(Rus)**
[Quantitative assessment of iodine metabolism in the body] Mirkhodzhaev AKh.
Med Radiol (Mosk) 18:17-21, Mar 73 (Eng. Abstr.) **(Rus)**
[The significance of the state of iodine metabolism in the development of general radiation reactions] Palinkashi DG, et al.
Med Radiol (Mosk) 17:37-40, Sep 72 (Eng. Abstr.) **(Rus)**
[Diagnostic significance of determining the iodide peroxidase activity of the follicle cells of the thyroid in various forms of goiter, malignant tumors and autoimmune thyroiditis] Kudinskii IuG.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Eng. Abstr.) **(Rus)**
[Inhibition of thyroid uptake of radioactive iodine by a cardiac glycoside] Mustafá A, et al.
Arch Inst Cardiol Mex 43:288-92, Mar-Apr 73 (Eng. Abstr.) **(Spa)**
[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al.
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Toxoplasmosis and its prevention in cats and man. Frenkel JK, et al. **J Infect Dis** 126:664-73, Dec 72
Catechol O-methyltransferase. 2. In vitro inhibition by substituted 8-hydroxyquinolines. Borchardt RT.
J Med Chem 16:382-7, Apr 73
The effect of intrauterine injections of iodine solution on the duration of the oestrous cycle in cows. Grunert E, et al. **J Reprod Fertil** 33:497-9, Jun 73
[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al.
Med Radiol (Mosk) 17:33-7, Oct 72 (Eng. Abstr.) **(Rus)**
[Antibody formation under conditions of iodine deficiency in nutrition] Zel'tser ME, et al.
Vopr Pitan 31:25-8, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Radioopaque contrast media. 23. Apparent acidity constants of radioopaque acids in the system methylcellosolve-water. Felder E, et al.
Farmaco [Sci] 28:485-93, Jun 73

THERAPEUTIC USE

The clinical pattern of endemic cretinism in Papua, New Guinea. Pharoah PO.
Adv Exp Med Biol 30:71-86, 1972
History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A.
Adv Exp Med Biol 30:191-9, 1972
Intellectual assessment in primitive societies, with a preliminary report of a study of the effects of early iodine supplementation on intelligence. Trowbridge FL. **Adv Exp Med Biol** 30:137-49, 1972
IQ tests and intelligence in endemic cretinism.
Adv Exp Med Biol 30:507-11, 1972
The use of propranolol in the surgical treatment of thyrotoxic patients. Lee TC, et al.
Ann Surg 177:643-7, Jun 73
Studies of the effect of the salt iodization on endemic goiter in Taiwan. 3. Urinary iodine excretion of school children. Hsieh YH, et al.
J Formosan Med Assoc 72:218-23, Apr 73
Priorities in endemic goitre. Bender AE.
Lancet 2:162-3, 21 Jul 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73
[Medical treatment of hyperthyroidism] Leuret JP.
Bord Med 5:2316-7, Nov 72 **(Fre)**
[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al.
Minerva Urol 28:855-61, 1973 **(Fre)**
[Hot thyroid nodule: diagnostic, physiopathological and therapeutic problems. Apropos of 118 cases]

Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Combination of low doses of 131-iodine and synthetic antithyroid agents for prolonged treatment in Basedow's disease. Apropos of 165 cases] Mitouze J, et al.
Rev Fr Endocrinol Clin 13:339-61, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Ambulatory treatment of varicose veins of the lower extremities with vistarin] Bogdanov NI.
Khirurgiia (Mosk) 48:116-7, Sep 72 (Rus)
[Efficacy of simultaneous introduction of iodine and bromine in group antigoiter prophylaxis among schoolchildren] Babenko LS, et al.
Pediatriia 52:74-5, Jan 73 (Rus)
[Iodine chloride as a means of preventing and treating chronic tonsillitis] Skvirskaia AA.
Zh Ushn Nos Gorl Bolezn 32:32-4, Mar-Apr 72 (Eng. Abstr.) (Rus)

TOXICITY

Comparison of early injury to liver endoplasmic reticulum by halomethanes, hexachloroethane, benzene, toluene, bromobenzene, ethionine, thioacetamide and dimethylnitrosamine. Reynolds ES. Biochem Pharmacol 21:2555-61, 1 Oct 72
Iodate poisoning: early effect on regeneration of rhodopsin and the ERG. Clifton L, et al.
Vision Res 13:919-24, May 73

URINE

The optimal program for prophylaxis of endemic goiter with iodized oil. Pretell EA.
Adv Exp Med Biol 30:267-88, 1972
History of iodine prophylaxis with regard to cretinism and deaf-mutism. Querido A.
Adv Exp Med Biol 30:191-9, 1972
Endemic goiter prevention by iodized oil: a reassessment. Thilly CH, et al.
J Clin Endocrinol Metab 36:1196-204, Jun 73
Studies of the effect of the salt iodization on endemic goiter in Taiwan. 3. Urinary iodine excretion of school children. Hsieh YH, et al.
J Formosan Med Assoc 72:218-23, Apr 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73
[Thyroid function during the development of an iodine goiter] Dussault JH, et al.
Union Med Can 102:586-90, Mar 73 (Eng. Abstr.) (Fre)
[Use of iodized salt. Effect on iodine metabolism in a zone not considered endemic of goiter] Watanabe T, et al.
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Eng. Abstr.) (Spa)

IODOPROTEINS

BIOSYNTHESIS

The effect of inhibitors of thyroid monoamine oxidase on the incorporation of iodine into thyroid slice protein. Huang CL, et al.
Life Sci [II] 11:975-82, 22 Oct 72

BLOOD

[Existence of an important fraction of "non-hormonal" iodized proteins in the PBI of birds] Astier H.
C R Acad Sci [D] (Paris) 676:793-6, 29 Jan 73 (Fre)
[Serum hormonal iodine, blood eosinophils and basophils] Piette C, et al.
Pathol Biol (Paris) 21:405-10, Apr 73 (Eng. Abstr.) (Fre)
[Various aspects of senile hyperthyroidism] Vallati G, et al. Minerva Med 64:1298-305, 18 Apr 73 (Ita)

METABOLISM

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73
Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis. Bigazzi M, et al.
Endocrinology 92:1761-7, Jun 73
Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism. Dunn JT, et al.
J Clin Endocrinol Metab 36:1088-96, Jun 73

LONG-ACTING THYROID STIMULATOR

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 (Fre)

ANALYSIS

The Ig class and light chain type of the long acting thyroid stimulator. Maisey MN.
Clin Endocrinol (Oxf) 1:189-98, Apr 72
Effects of various iodination procedures on the biological activity of LATS. Fenzi GF, et al.
J Nucl Biol Med 16:55-7, Apr-Jun 72
[Clinical importance of Boyden's hemagglutination test in thyrotoxicosis] Dinkov Iv.
Vutr Boles 12:61-5, 1973 (Eng. Abstr.) (Bul)

ANTAGONISTS & INHIBITORS

Circulating inhibitor of LATS: a bioassay artefact. Burke G. J Clin Endocrinol Metab 36:1244-50, Jun 73

BLOOD

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73
The Ig class and light chain type of the long acting thyroid stimulator. Maisey MN.
Clin Endocrinol (Oxf) 1:189-98, Apr 72
The role of long acting thyroid stimulator in neonatal thyrotoxicosis. Maisey MN, et al.
Clin Endocrinol (Oxf) 1:81-90, Jan 72
Effects of various iodination procedures on the biological activity of LATS. Fenzi GF, et al.
J Nucl Biol Med 16:55-7, Apr-Jun 72
[Hyperthyroidism and thyroid carcinoma (paraneoplastic syndrome?)] Hartemann P, et al.
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Isolation of long acting thyroid stimulator (LATS) and thyroid stimulating hormone (TSH) in the serum] Ochi Y, et al.
Clin Endocrinol (Tokyo) 21:49-52, Jan 73 (Jap)
[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al.
Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
The effects of lymphocytes, sera, and long-acting thyroid stimulator from patients with Graves' disease on retrobulbar fibroblasts. Sisson JC, et al.
J Clin Endocrinol Metab 37:17-24, Jul 73

SECRETION

[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)

PROTEIN-BOUND IODINE TEST

Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies. Thomas-Morvan C, et al.
Acta Endocrinol (Kbh) 73:22-34, May 73
Time course for the effect of lithium on thyroid function in men and women. Fyrö B, et al.
Acta Psychiatr Scand 49:230-6, 1973
Thyroid function tests in endemic cretinism. Hershman JM. Adv Exp Med Biol 30:161-74, 1972
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake,

LIBRARY U. OF I., URBANA-CHAMPAIGN

thyroxine iodine, free thyroxine, and free thyroxine index. Souma JA, et al.
Am J Obstet Gynecol 116:905-10, 1 Aug 73

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN.
Am J Physiol 224:1388-90, Jun 73

Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases. Miklaszewska M, et al.
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972

Grades of hypothyroidism. Harvey RF.
Br Med J 2:488-9, 26 May 73

Seasonal variations in the plasma lipids of genetically different types of cattle: steers on different diets. O'Kelly JC.
Comp Biochem Physiol [A] 44:303-12, 1 Feb 73

Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73

The circannual variations of thyroid activity in the woodchuck (Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-80, 1 Mar 73

Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al.
Experientia 29:711-3, 15 Jun 73

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73

Male hormone and thyroid function in the Indian garden lizard, Calotes versicolor. Chandola A, et al.
J Endocrinol 57:325-6, May 73

Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. **J Pediatr 83:321-31, Aug 73**

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. **J Pediatr 83:237-40, Aug 73**

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

Tissue thyroid hormone concentration of rat and man determined by radioimmunoassay: biologic significance. Reichlin S, et al.
Mt Sinai J Med NY 40:502-10, May-Jun 73

Effect of photic stimulation on hypothalamic electroencephalograph and thyroid activity in the chicken. Shimada K, et al.
Neuroendocrinology 12:142-8, 1973

[Lipoatrophic diabetes] Bozadzhieva E, et al.
Vutr Boles 12:8-13, 1973 (22 ref.) (Bul)

[Clinical importance of Boyden's hemagglutination test in thyrotoxicosis] Dinkov Iv.
Vutr Boles 12:61-5, 1973 (Eng. Abstr.) (Bul)

[Thyrotropic hormone in the pathogenesis of recurrences of struma] Milanov St, et al.
Vutr Boles 12:49-53, 1973 (Eng. Abstr.) (Bul)

[Existence of an important fraction of "non-hormonal" iodized proteins in the PBI of birds] Astier H.
C R Acad Sci [D] (Paris) 676:793-6, 29 Jan 73 (Fre)

[Serum hormonal iodine. Comparison with blood thyroxine measured by radiocompetition] Racadot A, et al. **Lille Med 18:7-12, Jun 73 (Fre)**

[Critical study of 2 methods of thyroid function testing in vitro] Potton F, et al.
Rev Fr Endocrinol Clin 13:131-46, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Enzyme-hormone relationships: pentose cycle dehydrogenases of blood cells in thyroid physiopathology] Sendrail M, et al.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12a:2221-, Dec 72 (Eng. Abstr.) (Ger)

[Characteristics of thyroid gland diseases in Stavropol territory] Volozhinskaia GIa.
Med Radiol (Mosk) 18:28-32, Mar 73 (Eng. Abstr.) (Rus)

[Functional state of the thyroid gland in hyperbaric oxygenation] Iukhimets AD, et al.
Patol Fiziol Eksp Ter 17:76-8, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al.
Probl Endokrinol (Mosk) 19:75-80, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Antibody formation under conditions of iodine deficiency in nutrition] Zel'tser ME, et al.
Vopr Pitan 31:25-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

THYROXINE-BINDING PROTEIN

Time course for the effect of lithium on thyroid function in men and women. Fyrö B, et al.
Acta Psychiatr Scand 49:230-6, 1973

A comparison of effective thyroxine ratio and free thyroxine in serum. Wellby ML, et al.
Clin Chim Acta 45:255-9, 18 May 73

Polymorphism of rhesus monkey serum prealbumin. Molecular properties and binding of thyroxine and retinol-binding protein. Jaarsveld PP van, et al.
J Biol Chem 248:4706-12, 10 Jul 73

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am 57:1117-33, Jul 73 (67 ref.)**

Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Oppenheimer JH.
Mt Sinai J Med NY 40:491-501, May-Jun 73

ANALYSIS

Role of the placenta and of plasma hormone binding in the pathogenesis of cretinism. Preteil EA.
Adv Exp Med Biol 30:449-54, 1972

Gel filtration of thyroxine-binding proteins. Identification of rat plasma protein fractions separated on sephadex G-200. Hocman G, et al.
J Chromatogr 79:340-3, 16 May 73

Development of a single, simple in vitro thyroid function test. Mincey EK, et al.
J Nucl Biol Med 16:58-61, Apr-Jun 72

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 1:854-7, 21 Apr 73

[ETR-test during pregnancy] Hishida T, et al.
Jap J Nucl Med 9:569-72, Dec 72 (Eng. Abstr.) (Jap)

[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

A comparison of different compounds for TBG-blocking used in radioimmunoassay for tri-iodothyronine. Hüfner M, et al.
Clin Chim Acta 44:101-7, 28 Feb 73

BIOSYNTHESIS

Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)

BLOOD

Linkage of thyroxine-binding globulin deficiency to other X-chromosome loci. Bode HH, et al.
J Clin Endocrinol Metab 37:25-9, Jul 73

Thyroid hormonal studies in normal and severely malnourished infants and small children. Graham GG, et al. **J Pediatr 83:321-31, Aug 73**

DIAGNOSTIC USE

Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding globulin technique. May JD, et al.
Poult Sci 52:688-92, Mar 73

METABOLISM

Determination of the binding of thyroxine to plasma proteins by competitive protein-binding analysis. Elewaut A. **Clin Chim Acta 45:37-46, 19 Apr 73**

Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)

[Interpretation of the results of a complex radioisotope study of thyroid gland function during "block" by iodine and bromine preparations] Kotliarov EV, et al.
Med Radiol (Mosk) 17:33-7, Oct 72 (Eng. Abstr.) (Rus)

SECRETION

[Thyroid gland and pregnancy] Bernheim R.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)

I. Physical and Functional Aspects

ADRENAL GLANDS

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972

Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Nakayama I, et al. **Am J Pathol 71:279-94, May 73**

Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. **Biol Reprod 8:515-22, Jun 73**

Ectopic adrenal tumor presenting as torsion of the spermatic cord in a newborn infant. Mininberg DT, et al. **J Urol 109:1037-8, Jun 73**

[Studies on long-term tolerance of glibornuride in the rat and in the dog] Schärer K, et al.
Arzneim Forsch 22:Suppl 12a:2188+, Dec 72 (Eng. Abstr.) (Ger)

[Effects and adverse effects of long-term corticosteroid therapy] Popov A.
Z Gesamte Inn Med 28:111-2 contd, 1 Apr 73 (Ger)

ABNORMALITIES

Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. **Obstet Gynecol 41:833-6, Jun 73**

ANALYSIS

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972

Hepatorenal toxicity following fluroxene anesthesia. Tucker WK, et al. **Anesthesiology 34:104-7, Jul 73**

Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73

Distribution of potassium in rat adrenal zones studied by electron probe x-ray microanalysis. Bácsy E, et al.
Experientia 29:485-7, 15 Apr 73

Side chain cleavage activity for the bound cholesterol of P450 from bovine adrenocortical mitochondria. Ando N. **J Biochem (Tokyo) 73:459-61, Feb 73**

Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. Reyes FI, et al.
J Clin Endocrinol Metab 37:74-8, Jul 73

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al.
J Endocrinol 57:385-91, Jun 73

Subcellular distribution of steroids in the adrenal gland. Holzbauer M, et al.
Nature [New Biol] 242:117-9, 28 Mar 73

Role of selenium in neural physiology of avian species. 2. The distribution of 75 Se from injected selenomethionine- 75 Se in the tissues and its fate in livers of chickens. Vohra P, et al.
Poult Sci 52:644-7, Mar 73

Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male rats after standardized physical effort. Nicolescu E, et al. **Rev Roum Physiol 10:245-50, 1973**

Isolation and identification of 16alpha, 18-dihydroxydeoxycorticosterone from human adrenal gland incubations. Dale SL, et al.
Steroids 21:617-32, May 73

Uptake and distribution of hexane in rat tissues. Böhlen P, et al.
Toxicol Appl Pharmacol 25:242-9, Jun 73

[Renal metabolism of 18-hydroxycorticosterone] Antreassian J, et al.
C R Acad Sci [D] (Paris) 275:1423-5, 25 Sep 72 (Fre)

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)

[Cortisol and corticosterone levels in adrenal glands and plasma in the newborn guinea pig] Dalle M, et al.
J Physiol (Paris) 65:Suppl 3:383A, 1972 (Fre)

[Studies on storage of lead in root canal filling material N 2] Harndt R, et al.
Dtsch Zahnaerztl Z 28:580-91, May 73 (Eng. Abstr.) (Ger)

[State of the adrenals and biogenic amines under the action of antimony and lead] Minkina NA, et al.
Gig Tr Prof Zabol 17:21-4, Mar 73 (Eng. Abstr.) (Rus)

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Character of the change in functional activity of the adrenal cortex under the influence of exogenous insulin] Iaichnikova AS.
Probl Endokrinol (Mosk) 19:67-71, Mar-Apr 73 (Eng. Abstr.) (Rus)

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

[The effect of the monoamine oxidase inhibitor iproniazio on fat metabolism and catecholamine dynamics in tissues] Menisov AK.
Vopr Med Khim 19:134-5, Mar-Apr 73 (Rus)

[Effect of adrenaline and adrenoxyl on the level of catecholamines and nonesterified fatty acids and lipase activity in rat tissues] Menisov AK.
Ukr Biokhim Zh 44:391-4, 1972 (Eng. Abstr.) (Ukr)

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS.
Ukr Biokhim Zh 44:395-9, 1972 (Eng. Abstr.) (Ukr)

ANATOMY & HISTOLOGY

A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK.
Anat Anz 133:20-32, 1973

The prolonged effects of a single ECS on behavior related to hippocampal function. Douglas RJ, et al.
Behav Biol 8:611-7, May 73

Plasma catecholamine response to fighting in the male albino mouse. Huckiebridge FH, et al.
Behav Biol 8:785-800, Jun 73

Behavioral studies in mice selectively bred for differences in thyroid function. Blizard DA, et al.
Behav Genet 2:301-9, Dec 72

Mice selected for rearing behavior: some physiological variables. Van Abeelen JH, et al.
Behav Genet 3:85-90, Mar 73

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al.
Comp Biochem Physiol [A] 45:115-20, 1 May 73

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol 18:305-15, Jun 73**

Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. **Fed Proc 31:1599-608, Nov-Dec 72**

An evaluation of the criterion "organ weight" under conditions of growth retardation. Feron VJ, et al.
Food Cosmet Toxicol 11:85-94, Feb 73

Antifertility activity of an indigenous plant

LIBRARY U. OF I., URBANA-CHAMPAIGN

preparation (ROC-101). I. Effect on reproduction. Munshi SR, et al. **Indian J Med Res** 60:1054-60, Jul 72

Induction of parturition in swine and rabbits with the corticosteroid dexamethasone. North SA, et al. **J Anim Sci** 36:1170-4, Jun 73

The effect of clonixin and betamethasone on adjuvant-induced arthritis and experimental allergic encephalomyelitis in rats. Watnick AS, et al. **Jap J Pharmacol** 22:741-8, Dec 72

Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Bronson FH, et al. **Physiol Behav** 10:369-72, Feb 73

Social isolation in the gerbil: its effect on exploratory or agonistic behavior and adrenocortical activity. Spencer J, et al. **Physiol Behav** 10:231-7, Feb 73

Effect of immunosympathectomy on operant heart rate conditioning in the curarised rat. Thornton EW, et al. **Physiol Behav** 10:197-201, Feb 73

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci** 52:712-8, Mar 73

BLOOD SUPPLY

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al. **Circ Res** 32:Suppl 1:159-68, 5 May 73

Distribution of a renin-like enzyme in the bovine adrenal gland. Ryan JW. **Experientia** 29:407-8, 15 Apr 73

Effect of the synthetic peptide, Sq 20,881, on distribution of blood flow in the rat. Barbour JA, et al. **Proc Soc Exp Biol Med** 143:400-3, Jun 73

[Roentgenographic study of adrenal glands] Bonnin A, et al. **Rev Prat** 23:907-21, 21 Feb 73 **(Fre)**

[Experimental histo-structural changes in the hemato-parenchymatous barrier and major vessels] Afanas'ev IuI, et al. **Arkh Anat Gistol Embriol** 63:53-60, Dec 72 **(Eng. Abstr.) (Rus)**

CYTOLOGY

A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK. **Anat Anz** 133:20-32, 1973

Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals. Kahri AI. **Anat Rec** 176:253-71, Jul 73

Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al. **Arch Biochem Biophys** 153:495-501, Dec 72

Cytochrome P-450 as a microsomal peroxidase in steroid hydroperoxide reduction. Hrycay EC, et al. **Arch Biochem Biophys** 153:480-94, Dec 72

Microsomal electron transport. I. Reduced nicotinamide adenine dinucleotide phosphate-cytochrome c reductase and cytochrome P-450 as electron carriers in microsomal NADPH-peroxidase activity. Hrycay EG, et al. **Arch Biochem Biophys** 157:7-22, Jul 73

Oxidative reactions in the formation of an aldehyde group in the biosynthesis of aldosterone. Marusic ET, et al. **Arch Biochem Biophys** 157:320-1, Jul 73

Carbon tetrachloride effect on rat liver and adrenals related to their mixed-function oxygenase content. Castro JA, et al. **Biochem Biophys Res Commun** 47:315-21, 28 Apr 72

Comparison of the Ca ++ requirement for the steroidogenic effect of ACTH acid dibutyryl cyclic AMP in rat adrenal cell suspension. Haksar A, et al. **Biochem Biophys Res Commun** 47:445-50, 28 Apr 72

Adenosine 3',5'-monophosphate and protein kinase dependent phosphorylation of ribosomal protein. Walton GM, et al. **Biochemistry** 12:2604-11, 3 Jul 73

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al. **Endocrinology** 93:1-11, Jul 73

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol** 18:305-15, Jun 73

Anion transport in beef adrenal cortex mitochondria. Michejda JW, et al. **FEBS Lett** 32:161-5, 15 May 73

Gap junctions and electrotonic coupling in foetal rabbit adrenal cortical cells. Joseph T, et al. **J Embryol Exp Morphol** 29:681-96, Jun 73

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem** 4:205-15, Mar 73

Induction of steroidogenesis in tissue culture by cholera enterotoxin. Donta ST, et al. **Nature [New Biol]** 243:246-7, 20 Jun 73

Subcellular distribution of steroids in the adrenal gland. Holzbauer M, et al. **Nature [New Biol]** 242:117-9, 28 Mar 73

[Cytochemical and cytophysiological characterization of mixed noradrenalinogenic cells and interrenal cells in the tench (Tinca tinca L.)] Romain R, et al. **C R Soc Biol (Paris)** 166:322-7, 9 Nov 72 **(Fre)**

[Effects of modifications of plasma electrolyte composition on the structure and function of interrenal (adrenocortical) cells of the newt, Triturus cristatus] Berchtold JP. **Z Zellforsch Mikrosk Anat** 139:47-59, 11 May 73 **(Eng. Abstr.) (Fre)**

[Stereology and dynamics of the mitochondrial population--with special reference to adrenocortical mitochondria] Yago N, et al. **J Jap Biochem Soc** 45:71-87, Feb 73 (43 ref.) **(Jap)**

[Cytotoxic stimulation of steroid hormone formation in blockade of various types of RNA] Zaichik ASh. **Patol Fiziol Eksp Ter** 17:40-4, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

DRUG EFFECTS

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al. **Adv Cyclic Nucleotide Res** 2:25-40, 1972

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. **Am J Anat** 137:231-55, Jul 73

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al. **Am J Clin Nutr** 26:397-402, Apr 73

Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals. Kahri AI. **Anat Rec** 176:253-71, Jul 73

The toxicity of fluroxene in animals and man. Johnston RR, et al. **Anesthesiology** 38:313-9, Apr 73

Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy** 31:337-43, Jul 73

Biochemical and metabolic aspects of alcoholism. Fabre LF Jr, et al. **Ann NY Acad Sci** 215:346-55, 30 Apr 73

Carbon tetrachloride effect on rat liver and adrenals related to their mixed-function oxygenase content. Castro JA, et al. **Biochem Biophys Res Commun** 47:315-21, 28 Apr 72

Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al. **Biochem Biophys Res Commun** 52:959-66, 8 Jun 73

Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells. Mackie C, et al. **Biochem Biophys Res Commun** 53:545-51, 17 Jul 73

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al. **Biochem Pharmacol** 22:1241-5, 15 May 73

Pituitary-adrenal function after prolonged use of topical corticosteroids. Munro DD, et al. **Br J Dermatol** 88:381-5, Apr 73

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al. **Circ Res** 32:Suppl 1:159-68, 5 May 73

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al. **Clin Endocrinol (Oxf)** 1:219-33, Jul 72

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf)** 1:173-80, Apr 72

The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Klesch WL, et al. **Comp Biochem Physiol [A]** 45:961-7, 1 Aug 73

Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. **Endocrinology** 93:188-92, Jul 73

Thyromimetic activity of

3,5,3',5'-tetramethylthyronine. Pittman JA, et al. **Endocrinology 93:201-4, Jul 73**

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. **Endocrinology 93:119-26, Jul 73**

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol 18:305-15, Jun 73**

The primary tissue culture of rat adult decapsulated adrenal glands: radioautographic studies on the metabolic effects of 1-24 -ACTH. Armato U, et al. **Experientia 29:322-4, 15 Mar 73**

Pharmacological data on a new anti-inflammatory agent: 4-phenyl- -methylphenylacetate- -propylsulfonate sodium salt (6-137). Pisanti N, et al. **Farmaco [Sci] 28:351-69, May 73**

Neoplastic changes in the rat liver induced by polychlorinated biphenyl. Kimura NT, et al. **Gann 64:105-8, Feb 73**

Effect of hypervitaminosis A on adrenal corticosteroids. Singh N, et al. **Indian J Biochem Biophys 9:313-4, Dec 72**

The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al. **J Endocrinol 57:207-15, May 73**

Further studies on the trophic effect of cyclic GMP on rat adrenal cortex. Nussdorfer GG, et al. **J Endocrinol 57:559-60, Jun 73**

Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. **J Endocrinol 57:431-6, Jun 73**

Properties of benzpyrene hydroxylase in the liver, intestinal mucosa and adrenal of untreated and 3-methylcholanthrene-treated rats. Zampaglione NG, et al. **J Pharmacol Exp Ther 185:676-85, Jun 73**

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris) 64:583-98, 1972**

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem 4:205-15, Mar 73**

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem 4:129-37, Mar 73**

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem 4:217-26, Mar 73**

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al. **Lancet 1:1417-9, 23 Jun 73**

Catecholamines and hypertension. Moss J. **N Engl J Med 288:1355-6, 21 Jun 73**

Effects of phenobarbitone and starving on the dopamine content of the adrenal glands of rats exposed to carbon disulphide. Jarvis JA, et al. **Naunyn Schmiedebergs Arch Pharmacol 278:207-13, 1973**

Ascorbate stimulation of tyrosine hydroxylase formation. **Nutr Rev 31:93-4, Mar 73 (6 ref.)**

The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs. Baldwin BA, et al. **Physiol Behav 10:267-74, Feb 73**

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci 52:712-8, Mar 73**

Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. **Proc Soc Exp Biol Med 143:422-6, Jun 73**

Effect of ethanol on adrenaline and noradrenaline secretion of the adrenal gland in the dog. Hirose T, et al. **Tohoku J Exp Med 109:85-8, Jan 73**

A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland. Lüllmann H, et al. **Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73**

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al. **Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Importance of the adrenals in phosphocalcium regulation in guinea pigs. Effects of reserpine] Marnay-Gulat C, et al. **J Physiol (Paris) 65:Suppl 3:446A+, 1972 (Fre)**

[Adrenocorticotropic effect of beta-1-23-corticotropin compared with beta-1-24-corticotropin] Geisthövel W, et al. **Arzneim Forsch 23:619-21, Apr 73 (Eng. Abstr.) (Ger)**

[Peridural anesthesia] Svetlov VA, et al. **Sov Med 35:70-8, Apr 72 (Rus)**

[Effect of group or isolated maintenance of mice on the development of transplantable tumors] Dechambre RP, et al. **Vopr Onkol 18:51-5, 1972 (Eng. Abstr.) (Rus)**

EMBRYOLOGY

Gap junctions and electrotonic coupling in foetal rabbit adrenal cortical cells. Joseph T, et al. **J Embryol Exp Morphol 29:681-96, Jun 73**

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA. **J Embryol Exp Morphol 29:431-7, Apr 73**

Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. **Obstet Gynecol 41:833-6, Jun 73**

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN. **Probl Endokrinol (Mosk) 19:114-20, Mar-Apr 73 (98 ref.) (Rus)**

ENZYMOLOGY

Cytochrome P-450 as a microsomal peroxidase in steroid hydroperoxide reduction. Hrycay EC, et al. **Arch Biochem Biophys 153:480-94, Dec 72**

Microsomal electron transport. I. Reduced nicotinamide adenine dinucleotide phosphate-cytochrome c reductase and cytochrome P-450 as electron carriers in microsomal NADPH-peroxidase activity. Hrycay EG, et al. **Arch Biochem Biophys 157:7-22, Jul 73**

Carbon tetrachloride effect on rat liver and adrenals related to their mixed-function oxygenase content. Castro JA, et al. **Biochem Biophys Res Commun 47:315-21, 28 Apr 72**

Cytochrome c enhancement of singlet molecular oxygen production by the NADPH-dependent adrenodoxin reductase-adrenodoxin system: the role of singlet oxygen in damaging adrenal mitochondrial membranes. Goda K, et al. **Biochem Biophys Res Commun 52:1300-6, 19 Jun 73**

Comparison of the Ca ++ requirement for the steroidogenic effect of ACTH acid dibutyryl cyclic AMP in rat adrenal cell suspension. Haksar A, et al. **Biochem Biophys Res Commun 47:445-50, 28 Apr 72**

Evidence for the presence of a prostaglandin E 2 -9-keto reductase in rat organs. Leslie CA, et al. **Biochem Biophys Res Commun 52:717-24, 8 Jun 73**

Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells. Mackie C, et al. **Biochem Biophys Res Commun 53:545-51, 17 Jul 73**

Effect of calcium, sodium and potassium on adrenal tyrosine hydroxylase activity in vitro. Gutman Y, et al. **Biochem Pharmacol 21:2664-6, 1 Oct 72**

Adenosine 3',5'-monophosphate and protein kinase dependent phosphorylation of ribosomal protein. Walton GM, et al. **Biochemistry 12:2604-11, 3 Jul 73**

The acylation of glycerol 3 -phosphate in different rat organs and in the liver of different species (including man). Daae LN. **Biochim Biophys Acta 306:186-93, 24 May 73**

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al. **Clin Endocrinol (Oxf) 1:369-85, Oct 72**

Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. **Endocrinology 93:188-92, Jul 73**

Distribution of a renin-like enzyme in the bovine adrenal gland. Ryan JW. **Experientia 29:407-8, 15 Apr 73**

Semipermeable membranes for improving the histochemical demonstration of enzyme activities in tissue sections. 3. Lactate dehydrogenase. Meijer AE. **Histochemie 35:165-72, 22 May 73**

Properties of benzpyrene hydroxylase in the liver, intestinal mucosa and adrenal of untreated and 3-methylcholanthrene-treated rats. Zampaglione NG, et al. **J Pharmacol Exp Ther 185:676-85, Jun 73**

Analogues of fusaric (5-butylpicolinic) acid as potent inhibitors of dopamine -hydroxylase. Hidaka H, et al. **Mol Pharmacol 9:172-7, Mar 73**

Subcellular distribution of steroids in the adrenal

LIBRARY U. OF I., URBANA-CHAMPAIGN

gland. Holzbauer M, et al.
Nature [New Biol] 242:117-9, 28 Mar 73
Ascorbate stimulation of tyrosine hydroxylase formation. Nutr Rev 31:93-4, Mar 73 (6 ref.)
Decreased tyrosine hydroxylase activity in the adrenal gland of adult rats that were handled in infancy. Pfeifer WD, et al. Physiol Behav 10:411-3, Feb 73
[New radioisotopic assay of 17 alpha steroid hydroxylase] Krémers P.
C R Acad Sci [D] (Paris) 276:1021-4, 5 Feb 73 (Fre)
[Adrenal acetylcholinesterase activity in aged chick embryos, in normal conditions and after parathion (E.605) poisoning] Meiniel R.
C R Soc Biol (Paris) 166:1293-6, 1972 (Fre)

GROWTH & DEVELOPMENT

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. Am J Anat 137:231-55, Jul 73
Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals. Kahri AI. Anat Rec 176:253-71, Jul 73
Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Hoffmann JC. Biol Reprod 8:473-80, May 73

IMMUNOLOGY

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. Am J Anat 137:231-55, Jul 73
Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72
Isolation and characterization of a rabbit adrenal autoantigen. Centeno ER, et al.
Immunology 24:901-10, May 73
Isolation and characterization of a rabbit non-tissue specific autoantigen which is shared by kidney, heart, adrenal and liver. Shulman S, et al.
Immunology 24:925-37, May 73
Idiopathic hypoparathyroidism and idiopathic hypoadrenalism occurring separately in two siblings. Hooper MJ, et al. Med J Aust 1:990-3, 19 May 73

METABOLISM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73
Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al.
Acta Endocrinol (Kbh) 73:80-90, May 73
Whole-body autoradiography of 1-tetrahydrocannabinol and 1(6)-tetrahydrocannabinol in mouse. Pharmacokinetic aspects of 1-tetrahydrocannabinol and its metabolites. Ryrfeldt A, et al.
Acta Pharm Suec 10:13-28, Mar 73
Metabolic evaluation through Alcian-blue Feulgen-eosin. Zucker HS. Am J Dig Dis 18:536, Jun 73
Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN.
Am J Physiol 224:1388-90, Jun 73
Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al.
Arch Biochem Biophys 153:495-501, Dec 72
Oxidative reactions in the formation of an aldehyde group in the biosynthesis of aldosterone. Marusic ET, et al. Arch Biochem Biophys 157:320-1, Jul 73
Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73
Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells. Mackie C, et al.
Biochem Biophys Res Commun 53:545-51, 17 Jul 73
Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al.
Biochem Pharmacol 22:1241-5, 15 May 73
Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ.
Biochim Biophys Acta 304:560-9, 28 Apr 73
The effect of sodium intake on maternal milk electrolytes and aldosterone, corticosterone and 18-hydroxydeoxy-corticosterone production in the offspring of rats. Diouha H, et al.
Biol Neonate 22:38-49, 1973
Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73
Preclinical toxicologic evaluation of bleomycin (NSC-125066) in rhesus monkeys. Schaeppi U, et al.
Cancer Chemother Rep [Suppl] 4:Suppl:31-9, Jan 73
Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73
Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al.
Circ Res 32:Suppl 1:139-49, 5 May 73
The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Kleach WL, et al.
Comp Biochem Physiol [A] 45:961-7, 1 Aug 73
Metabolic responses to cold and catecholamines as a function of age in swine (Sus domesticus). Stanton HC, et al.
Comp Biochem Physiol [A] 45:215-25, 1 May 73
Adrenal steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Huibregtse WH, et al.
Comp Biochem Physiol [B] 44:1051-6, 15 Apr 73
Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al.
Endocrinol Exp (Bratisl) 7:85-8, 1973
Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. Endocrinology 93:188-92, Jul 73
Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. Endocrinology 93:119-26, Jul 73
Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al.
Eur J Pharmacol 22:102-4, Apr 73
The primary tissue culture of rat adult decapsulated adrenal glands: radioautographic studies on the metabolic effects of 1-24 -ACTH. Armato U, et al.
Experientia 29:322-4, 15 Mar 73
Distribution of potassium in rat adrenal zones studied by electron probe x-ray microanalysis. Bácsy E, et al.
Experientia 29:485-7, 15 Apr 73
Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells. Dencker L, et al. Experientia 29:719-22, 15 Jun 73
Phosphatidylinositol metabolism in cells receiving extracellular stimulation. Lapetina EG, et al.
FEBS Lett 31:1-10, 1 Apr 73 (94 ref.)
Anion transport in beef adrenal cortex mitochondria. Michejda JW, et al. FEBS Lett 32:161-5, 15 May 73
Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. Fed Proc 31:1599-608, Nov-Dec 72
Effect of hypervitaminosis A on adrenal corticosteroids. Singh N, et al.
Indian J Biochem Biophys 9:313-4, Dec 72
Effect of zinc repletion late in gestation on parturition in the zinc-deficient rat. Apgar J.
J Nutr 103:973-81, Jul 73
Measurement and spectral characteristics of fluorescent pigments in tissues of rats as a function of dietary polyunsaturated fats and vitamin E. Reddy K, et al. J Nutr 103:908-15, Jun 73
Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73
The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73
Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al.
J Steroid Biochem 4:217-26, Mar 73
Brain cholesterol. XVI. Incorporation of different precursors into baboon tissue sterol. Kabara JJ.
Lipids 8:56-60, Feb 73
Effects of phenobarbitone and starving on the dopamine content of the adrenal glands of rats exposed to carbon disulphide. Jarvis JA, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:207-13, 1973

Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. Obstet Gynecol 41:833-6, Jun 73

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. Proc Soc Exp Biol Med 143:460-4, Jun 73

Some metabolic effects of bufotenin on the central nervous system in rats. Ardeleanu A, et al. Rev Roum Physiol 10:221-7, 1973

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al. Steroids 21:813-32, Jun 73

Uptake and distribution of hexane in rat tissues. Böhlen P, et al. Toxicol Appl Pharmacol 25:242-9, Jun 73

[Vitamin A, a factor in the regulation of steroidogenesis] Grangaud R. Bull Acad Natl Med (Paris) 156:250-9, Feb-Mar 72 (Fre)

[Experimental metabolism of dehydroepiandrosterone in rats, in vivo] Nicol M, et al. C R Soc Biol (Paris) 166:1356-60, 1972 (Fre)

[Depletion of adrenal ascorbic acid in the rat and rabbit during the 1st hours of postnatal life] Corbier P, et al. J Physiol (Paris) 65:Suppl 3:380A, 1972 (Fre)

[Therapeutic effects and mechanism of action of S-adenosyl-L-methionine (SAM) in depressive syndromes] Fazio C, et al. Minerva Med 64:1515-29, 30 Apr 73 (Eng. Abstr.) (Ita)

[Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"] Hashimoto K, et al. Folia Endocrinol Jap 49:659-70, 20 Apr 73 (Eng. Abstr.) (Jap)

[State of the adrenals and biogenic amines under the action of antimony and lead] Minkina NA, et al. Gig Tr Prof Zabol 17:21-4, Mar 73 (Eng. Abstr.) (Rus)

[Study of the bone system with Ga67] Mechev DS, et al. Med Radiol (Mosk) 18:8-12, Mar 73 (Rus)

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh. Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) (Rus)

PATHOLOGY

Acute lymphoblastic leukemia with pulmonary complications. Am J Med 55:71-9, Jul 73

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. Comp Biochem Physiol [A] 45:115-20, 1 May 73

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al. Endocrinology 93:1-11, Jul 73

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. Exp Mol Pathol 18:305-15, Jun 73

Disseminated intravascular coagulation in the respiratory distress syndrome of the new born: an autopsy study. Walter A. Indian J Med Res 60:1267-71, Sep 72

The pathology of sudden unexpected death in childhood. Aherne W. J Forensic Sci Soc 12:585-6, Oct 72

Sound-withdrawal hypertension in rats--a new form of experimental hypertension. Marwood JF, et al. J Pharm Pharmacol 25:42-8, Jan 73

Comparative study of myocardial lesions in hemorrhagic shock. Chang J, et al. Lab Invest 28:641-7, Jun 73

The assay of ACTH in plasma. Nelson DH, et al. Mt Sinai J Med NY 40:315-22, May-Jun 73

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. Proc Soc Exp Biol Med 143:460-4, Jun 73

Heartwater in a Bunaji calf: a case report. Bida SA, et al. Vet Rec 92:200-1, 24 Feb 73

A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland. Lüllmann H, et al. Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73

[Cytomegalic inclusion disease in mice. Lesions produced in the generalized form] Lussier G. Union Med Can 102:134-9, Jan 73 (Eng. Abstr.) (Fre)

[Adrenal cortex patterns in castrated female rats. Morphometric studies] Malarewicz A. Ginekol Pol 44:515-21, 1973 (Eng. Abstr.) (Pol)

[Aspects of experimental rabies infection with Babes fixed virus in newborn sheep destined for obtainment of variants of non-encephalitogenic rabies vaccine for production. Clinical, cytological and histopathological study. I] Serban O, et al. Stud Cercet Virusol 24:195-207, 1973 (Eng. Abstr.) (Rum)

[Comparative morphology of certain organs in experimental pancreatitis] Allaverdian AG, et al. Zh Eksp Klin Med 12:25-31, 1972 (Rus)

PHYSIOLOGY

"Cholinergic link" in the influence of exogenous catecholamines on ATP and phosphocreatine in the heart. Garbuliński T, et al. Acta Physiol Pol 24:243-51, Jan-Feb 73

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. Am J Anat 137:231-55, Jul 73

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al. Am J Physiol 225:1-6, Jul 73

Changes of plasma glucose and insulin during defense reactions in monkeys. Natelson BH, et al. Am J Physiol 224:1454-62, Jun 73

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN. Am J Physiol 224:1388-90, Jun 73

Renal lithium clearance in adrenalectomized rats. Smith DF, et al. Am J Physiol 225:159-61, Jul 73

Corticosteroid-induced parturition in domestic animals. Jöchle W. Annu Rev Pharmacol 13:33-55, 1973 (158 ref.)

A polymeric form of haemoglobin-binding protein in sheep following metabolic and hormonal disturbance. Jarrett IG. Aust J Biol Sci 25:941-8, Oct 72

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al. Behav Biol 8:785-800, Jun 73

Mice selected for rearing behavior: some physiological variables. Van Abeelen JH, et al. Behav Genet 3:85-90, Mar 73

Differences in macromolecular binding between cyclic AMP and its dibutyryl derivative in vitro. Filler R, et al. Biochem Biophys Res Commun 52:159-67, 1 May 73

An absolute requirement for insulin in the control of hepatic glycogenesis by glucose. Miller TB Jr, et al. Biochem Biophys Res Commun 53:466-74, 17 Jul 73

Effects of 5-azacytidine on dietary and hormone induction of serine dehydratase and tyrosine aminotransferase in rat liver. Cihák A, et al. Biochem Pharmacol 21:2545-53, 1 Oct 72

Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats. Freidmann N, et al. Biochim Biophys Acta 307:399-403, 11 May 73

Effect of dehydration, food deprivation, saline and adrenalectomy on microsomal (Na + +K +)-dependent ATPase in the salivary glands and intestinal mucosa. Gutman Y, et al. Biochim Biophys Acta 304:533-40, 28 Apr 73

Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. Biochim Biophys Acta 299:576-87, 11 Apr 73

Effect of thioamide derivatives on induction of ornithine decarboxylase in rat liver. Ono M, et al. Biochim Biophys Acta 304:495-504, 28 Apr 73

Renin-like activity of the rat submaxillary gland: characterization and the effect of several drugs and stimuli. Gutman Y, et al. Br J Pharmacol 47:59-68, Jan 73

Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver. Mishra RK, et al. Can J Biochem 51:920-30, Jun 73

Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats. Szabo S, et al. Can J Physiol Pharmacol 51:169-74, Mar 73

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. Comp Biochem Physiol [A] 45:115-20, 1 May 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. Endocrinology 93:61-73, Jul 73

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and

LIBRARY U. OF I., URBANA-CHAMPAIGN

hypothalamic destruction. Eguchi Y, et al. **Endocrinology** 93:1-11, Jul 73

Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Milković K, et al. **Endocrinology** 93:115-8, Jul 73

Studies concerning the regulation and importance of plasma angiotensinogen concentration in the dog. Reid IA, et al. **Endocrinology** 93:107-14, Jul 73

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al. **Endocrinology** 93:156-61, Jul 73

Mechanism of ulcerogenic activity of indomethacin and oxyphenbutazone. Bhargava KP, et al. **Eur J Pharmacol** 22:191-5, May 73

Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al. **Exp Eye Res** 16:61-8, Jun 73

The renin-angiotensin system in urinephrectomized adrenalectomized rats. Rojo-Ortega JM, et al. **Experientia** 29:285-6, 15 Mar 73

Distribution of a renin-like enzyme in the bovine adrenal gland. Ryan JW. **Experientia** 29:407-8, 15 Apr 73

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia** 29:695-6, 15 Jun 73

Effects of social rank and social disruption in adult male house mice. McKinney TD, et al. **Gen Comp Endocrinol** 20:579-83, Jun 73

Central nervous system mediated inhibition of insulin secretion due to 2-deoxyglucose. Frohman LA, et al. **Horm Metab Res** 5:21-6, Jan 73

The immune response in steroid deficient mice. Streng CB, et al. **Immunology** 24:559-65, Mar 73

Regulation of tyrosine aminotransferase in rat liver. X. Characterization and interconversion of the multiple enzyme forms. Johnson RW, et al. **J Biol Chem** 248:4521-7, 10 Jul 73

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al. **J Comp Physiol Psychol** 83:168-72, Apr 73

Gap junctions and electrotonic coupling in foetal rabbit adrenal cortical cells. Joseph T, et al. **J Embryol Exp Morphol** 29:681-96, Jun 73

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al. **J Endocrinol** 57:385-91, Jun 73

Poriactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al. **J Endocrinol** 57:425-9, Jun 73

Physiological aspects of immunogenesis and its regulation. Zdrodovsky PF, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 17:37-48, 1973

7-Acetylthioetiojervanes, new antialdosterone agents. Johns WF, et al. **J Med Chem** 16:568-70, May 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris)** 64:583-98, 1972

Transfer of radioiodinated latex particles from the peritoneal cavity of mice to the mediastinum. Adlersberg L, et al. **J Reticuloendothel Soc** 12:565-91, Dec 72

Endotoxin sensitivity of adrenalectomized rats treated with lead acetate. Schumer W, et al. **J Reticuloendothel Soc** 13:122-5, Feb 73

Catecholamines and hypertension. Moss J. **N Engl J Med** 288:1355-6, 21 Jun 73

Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Feldman S, et al. **Neuroendocrinology** 10:316-23, 1972

The origin of the hypertensive effect of arecoline in rats. Krstić MK. **Pharmacology** 9:16-26, 1973

The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs. Baldwin BA, et al. **Physiol Behav** 10:267-74, Feb 73

Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone. Bronson FH. **Physiol Behav** 10:947-51, May 73

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav** 10:345-50, Feb 73

Physiological and behavioral effects of prior aversive stimulation (preshock) in the rat. Levine S, et al. **Physiol Behav** 10:467-71, Mar 73

Estradiol induced suppression of feeding in the female rat: dependence on body weight. Redick JH, et al. **Physiol Behav** 10:543-7, Mar 73

Social isolation in the gerbil: its effect on exploratory or agonistic behavior and adrenocortical activity. Spencer J, et al. **Physiol Behav** 10:231-7, Feb 73

Open-field behavior, habituation and passive avoidance learning: effect of ACTH and hydrocortisone on normal and adrenalectomized rats. Tamásy V, et al. **Physiol Behav** 10:995-1000, Jun 73

Different methods of regeneration. Liozner LD. **Sov J Dev Biol** 3:1-6, Jan-Feb 72 (29 ref.)

Altered insulin and glucose metabolism produced by epinephrine during hemorrhagic shock in the adrenalectomized primate. Hiebert JM, et al. **Surgery** 74:223-34, Aug 73

Cardiovascular effects of intravenous acetaldehyde and propionaldehyde in the anesthetized rat. Egle JL Jr, et al. **Toxicol Appl Pharmacol** 24:636-44, Apr 73

Modification of acrylamide neuropathy in rats by selected factors. Kaplan ML, et al. **Toxicol Appl Pharmacol** 24:564-70, Apr 73

[Development of steroid endocrinology] (Charvát J), Matys Z, et al. **Cas Lek Cesk** 112:614-6, 18 May 73 (Eng. Abstr.) (Cze)

[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al. **C R Acad Sci [D] (Paris)** 276:589-92, 22 Jan 73 (Fre)

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D. **C R Soc Biol (Paris)** 166:449-53, 9 Nov 72 (Fre)

[Effects of porcine ACTH on arterial hypertension due to norepinephrine in rats] Mathieu F. **C R Soc Biol (Paris)** 166:1394-6, 1972 (Fre)

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G. **Rev Roum Physiol** 10:139-47, 1973 (Fre)

[Effects of modifications of plasma electrolyte composition on the structure and function of interrenal (adrenocortical) cells of the newt, Triturus cristatus] Berchtold JP. **Z Zellforsch Mikrosk Anat** 139:47-59, 11 May 73 (Eng. Abstr.) (Fre)

[Kininogen content of serum and plasma following tissue injury in rats] Zach HP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 276:167-80, 23 Feb 73 (Eng. Abstr.) (Ger)

[The adrenal cortex] Osawa N. **Clin Endocrinol (Tokyo)** 21:19-25, Jan 73 (20 ref.) (Jap)

[Adrenal cortex patterns in castrated female rats. Morphometric studies] Malarewicz A. **Ginekol Pol** 44:515-21, 1973 (Eng. Abstr.) (Pol)

[Character of the change in functional activity of the adrenal cortex under the influence of exogenous insulin] Iaichnikova AS. **Probl Endokrinol (Mosk)** 19:67-71, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN. **Probl Endokrinol (Mosk)** 19:114-20, Mar-Apr 73 (98 ref.) (Rus)

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al. **Usp Fiziol Nauk** 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

[Effect of hypodynamia in different microclimatic conditions on the glucocortcoid activity of the adrenal cortex] Viazitskiĭ PO, et al. **Voen Med Zh** 5:57-8, May 72 (Rus)

[Plasma fibrinogen level and the metabolism of fibrinogen-I-131 in rats treated with hydrocortisone] Byshevskii ASh, et al. **Vopr Med Khim** 19:152-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS. **Ukr Biokhim Zh** 44:395-9, 1972 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Bargiel Z, et al. **Acta Physiol Pol** 24:289-93, Jan-Feb 73

The clinical pattern of cretinism as seen in northern Italy. Costa A. **Adv Exp Med Biol** 30:31-47, 1972

Modified hormonal control of enzymatic activity in tumors. Criss WE. **Am J Obstet Gynecol** 116:753-9, 15 Jul 73

Adrenocortical activation in alcoholics during chronic drinking. Stokes PE.
Ann NY Acad Sci 215:77-83, 30 Apr 73

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al.
Cancer 31:1240-3, May 73

Effect of stress on carrageenin inflammation in rats. Naik SR, et al. Indian J Med Res 60:1316-22, Sep 72

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD.
Proc Soc Exp Biol Med 143:460-4, Jun 73

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) (Bul)

[Pulmonary neoplasms and adrenal gland insufficiency: study of a case and hypothesis on an ACTH-inhibiting factor (ACTH-IF) or an abnormal ACTH secreted by the tumor] Lelièvre M, et al.
Union Med Can 102:1071-6, May 73 (Eng. Abstr.) (Fre)

[Studies on the autonomy of aldosterone secretion in primary hyperaldosteronism. Diagnosis and differential diagnosis of "Conn's syndrome"] Helber A, et al.
Klin Wochenschr 51:404-10, 15 Apr 73 (Eng. Abstr.) (Ger)

[Adrenal cortex and thyroid gland activity in alcoholism and polytoxicomania] Klempel K.
Nervenarzt 44:268-72, May 73 (Ger)

[Adrenocortical function in patients with hyperthyroidism] Butruk E.
Pol Tyg Lek 28:583-5, 16 May 73 (Pol)

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al.
Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)

[Functional state of the cholinergic and sympathico-adrenal systems in patients with complicated forms of ulcer disease] Kovalev MM, et al. Klin Khir 4:4-9, Apr 73 (Rus)

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

[Data on the pathogenesis of arterial hypertension in rats with chronic stimulation of the adrenals] Zhukova SV, et al.
Patol Fiziol Eksp Ter 17:24-8, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Interrelationships of the reactions of the adrenal cortex and the thyroid gland in the early postresuscitation period] Volkov AV, et al.
Probl Endokrinol (Mosk) 19:75-80, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Oxygen needs and oxygen consumption in burn shock] Volynskiĭ IuD, et al.
Vestn Khir 110:106-11, Apr 73 (Eng. Abstr.) (Rus)

[The glococorticoid function of the adrenal cortex during complex treatment of acute stenosing laryngotracheitis in children] Tarasov DI, et al.
Vestn Otorinolaringol 34:43-8, Jul-May 73 (Eng. Abstr.) (Rus)

[Modern concept of the pathogenesis of trophic ulcers] Grigorian AV, et al.
Zh Eksp Klin Med 12:47-54, 1972 (Rus)

RADIATION EFFECTS

[Dynamics of changes in the ovaries, hypophysis and adrenals in the latent period of radiation carcinogenesis] Pavlenko-Mikhailov IuN.
Vopr Onkol 18:87, 1972 (Rus)

RADIOGRAPHY

[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)

SECRETION

Effect of changes of body fluid volume on aldosterone and corticosterone production in the rat. Debreceni L, et al. Acta Physiol Acad Sci Hung 41:243-7, 1972

Effect of intraventricular injection and intrahypothalamic implantation of serotonin on the hypothalamo-hypophyseal-adrenal system in the rat. Vermes I, et al.
Acta Physiol Acad Sci Hung 42:49-59, 1972

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al.
Am J Clin Nutr 26:397-402, Apr 73

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al.
Behav Biol 8:785-800, Jun 73

The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Kiesch WL, et al.
Comp Biochem Physiol [A] 45:961-7, 1 Aug 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. J Physiol (Paris) 64:583-98, 1972

Catecholamines and hypertension. Moss J.
N Engl J Med 288:1355-6, 21 Jun 73

Effect of ethanol on adrenaline and noradrenaline secretion of the adrenal gland in the dog. Hirose T, et al. Tohoku J Exp Med 109:85-8, Jan 73

[Disorders of metabolism and steroid hormone synthesis in adrenal carcinoma] Baleva R, et al.
Vutr Boles 12:78-81, 1973 (Eng. Abstr.) (Bul)

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)

[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al.
C R Acad Sci [D] (Paris) 276:589-92, 22 Jan 73 (Fre)

[Cytochemical and cytophysiological characterization of mixed noradrenalinogenic cells and interrenal cells in the tench (Tinca tinca L.)] Romain R, et al.
C R Soc Biol (Paris) 166:322-7, 9 Nov 72 (Fre)

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh.
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) (Rus)

[The daily activity of the glucocorticoid function of the adrenal cortex in brain tumors] Martirosian VV, et al.
Vopr Neirokhir 37:50-4, Mar-Apr 73 (Eng. Abstr.) (Rus)

SURGERY

[Cutaneous mycoses and hypercorticism (Cushing's disease and syndrome)] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 79:541-4, 1972 (Fre)

TRANSPLANTATION

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D.
C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fre)

ADRENALECTOMY

"Cholinergic link" in the influence of exogenous catecholamines on ATP and phosphocreatine in the heart. Garbuliński T, et al.
Acta Physiol Pol 24:243-51, Jan-Feb 73

Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al.
Am J Med 55:86-92, Jul 73

Modified hormonal control of enzymatic activity in tumors. Criss WE.
Am J Obstet Gynecol 116:753-9, 15 Jul 73

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al.
Am J Physiol 225:1-6, Jul 73

Changes of plasma glucose and insulin during defense reactions in monkeys. Natelson BH, et al.
Am J Physiol 224:1454-62, Jun 73

Renal lithium clearance in adrenalectomized rats. Smith DF, et al. Am J Physiol 225:159-61, Jul 73

Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)

Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Sievers DB, et al. Arch Surg 107:43-8, Jul 73

A polymeric form of haemoglobin-binding protein in sheep following metabolic and hormonal disturbance. Jarrett IG. Aust J Biol Sci 25:941-8, Oct 72

Effects of saline consumption and adrenalectomy on water balance in rats. Wright JW.
Behav Biol 8:291-6, Feb 73

Differences in macromolecular binding between cyclic

LIBRARY U. OF I., URBANA-CHAMPAIGN

AMP and its dibutyryl derivative in vitro. Filler R, et al. **Biochem Biophys Res Commun** 52:159-67, 1 May 73

An absolute requirement for insulin in the control of hepatic glycogenesis by glucose. Miller TB Jr, et al. **Biochem Biophys Res Commun** 53:466-74, 17 Jul 73

Effects of 5-azacytidine on dietary and hormone induction of serine dehydratase and tyrosine aminotransferase in rat liver. Cihák A, et al. **Biochem Pharmacol** 21:2545-53, 1 Oct 72

Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats. Freidmann N, et al. **Biochim Biophys Acta** 307:399-403, 11 May 73

Effect of dehydration, food deprivation, saline and adrenalectomy on microsomal (Na + +K +)-dependent ATPase in the salivary glands and intestinal mucosa. Gutman Y, et al. **Biochim Biophys Acta** 304:533-40, 28 Apr 73

Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. **Biochim Biophys Acta** 299:576-87, 11 Apr 73

Effect of thioamide derivatives on induction of ornithine decarboxylase in rat liver. Ono M, et al. **Biochim Biophys Acta** 304:495-504, 28 Apr 73

Renin-like activity of the rat submaxillary gland: characterization and the effect of several drugs and stimuli. Gutman Y, et al. **Br J Pharmacol** 47:59-68, Jan 73

Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver. Mishra RK, et al. **Can J Biochem** 51:920-30, Jun 73

Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats. Szabo S, et al. **Can J Physiol Pharmacol** 51:169-74, Mar 73

Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Milković K, et al. **Endocrinology** 93:115-8, Jul 73

Studies concerning the regulation and importance of plasma angiotensinogen concentration in the dog. Reid IA, et al. **Endocrinology** 93:107-14, Jul 73

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al. **Endocrinology** 93:156-61, Jul 73

Mechanism of ulcerogenic activity of indomethacin and oxyphenbutazone. Bhargava KP, et al. **Eur J Pharmacol** 22:191-5, May 73

Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al. **Exp Eye Res** 16:61-8, Jun 73

The renin-angiotensin system in urinephrectomized adrenalectomized rats. Rojo-Ortega JM, et al. **Experientia** 29:285-6, 15 Mar 73

Adrenalectomy effect of pituitary cell types. Yip TT, et al. **Experientia** 29:695-6, 15 Jun 73

Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. **Fed Proc** 31:1599-608, Nov-Dec 72

Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al. **Fertil Steril** 24:527-33, Jul 73

Central nervous system mediated inhibition of insulin secretion due to 2-deoxyglucose. Frohman LA, et al. **Horm Metab Res** 5:21-6, Jan 73

The immune response in steroid deficient mice. Streng CB, et al. **Immunology** 24:559-65, Mar 73

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. **Indian J Cancer** 10:111-23, Mar 73 (131 ref.)

Effect of stress on carrageenin inflammation in rats. Naik SR, et al. **Indian J Med Res** 60:1316-22, Sep 72

Regulation of tyrosine aminotransferase in rat liver. X. Characterization and interconversion of the multiple enzyme forms. Johnson RW, et al. **J Biol Chem** 248:4521-7, 10 Jul 73

7-Acetylthioetiojervanes, new antialdosterone agents. Johns WF, et al. **J Med Chem** 16:568-70, May 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris)** 64:583-98, 1972

Reserpine, adrenalectomy and the reversal of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. **J Reprod Fertil** 33:523-6, Jun 73

Endotoxin sensitivity of adrenalectomized rats treated with lead acetate. Schumer W, et al. **J Reticuloendothel Soc** 13:122-5, Feb 73

Experience with primary aldosteronism. Tremann JA, et al. **J Urol** 110:6-8, Jul 73

Are some women's breast cancers androgen dependent? Flax H, et al. **Lancet** 1:1204-7, 2 Jun 73

The origin of the hypertensive effect of arecoline in rats. Krstić MK. **Pharmacology** 9:16-26, 1973

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav** 10:345-50, Feb 73

Estradiol induced suppression of feeding in the female rat: dependence on body weight. Redick JH, et al. **Physiol Behav** 10:543-7, Mar 73

Open-field behavior, habituation and passive avoidance learning: effect of ACTH and hydrocortisone on normal and adrenalectomized rats. Tamásy V, et al. **Physiol Behav** 10:995-1000, Jun 73

Immunological factors and tonsillectomy. Wood CB. **Proc R Soc Med** 66:411-3, May 73 (13 ref.)

Altered insulin and glucose metabolism produced by epinephrine during hemorrhagic shock in the adrenalectomized primate. Hiebert JM, et al. **Surgery** 74:223-34, Aug 73

Cardiovascular effects of intravenous acetaldehyde and propionaldehyde in the anesthetized rat. Egle JL Jr, et al. **Toxicol Appl Pharmacol** 24:636-44, Apr 73

Modification of acrylamide neuropathy in rats by selected factors. Kaplan ML, et al. **Toxicol Appl Pharmacol** 24:564-70, Apr 73

[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al. **C R Acad Sci [D] (Paris)** 276:589-92, 22 Jan 73 **(Fre)**

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D. **C R Soc Biol (Paris)** 166:449-53, 9 Nov 72 **(Fre)**

[Effects of porcine ACTH on arterial hypertension due to norepinephrine in rats] Mathieu F. **C R Soc Biol (Paris)** 166:1394-6, 1972 **(Fre)**

[Effect of thyroidectomy on compensatory adrenal hypertrophy] Zizine L. **C R Soc Biol (Paris)** 166:285-7, 9 Nov 72 **(Fre)**

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. **Rev Fr Endocrinol Clin** 13:425-34, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Peripheral arterial circulation disorders in patients up to 40 years of age] Liszewska D, et al. **Z Gesamte Inn Med** 27:930-3, 1 Nov 72 (Eng. Abstr.) **(Ger)**

[Surgical treatment of Cushing's disease] Nielubowicz J, et al. **Pol Przegl Chir** 45:607-11, May 73 (Eng. Abstr.) **(Pol)**

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA. **Kosm Biol Med** 6:71-8, May-Jun 72 (Eng. Abstr.) **(Rus)**

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al. **Probl Endokrinol (Mosk)** 19:63-7, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al. **Probl Endokrinol (Mosk)** 19:18-22, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[The skeletal muscle hexokinase activity of white rats with experimental myotonia] Buslovich SIu, et al. **Vopr Med Khim** 18:403-6, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

PITUITARY-ADRENAL FUNCTION TESTS

Effect of intraventricular injection and intrahypothalamic implantation of serotonin on the hypothalamo-hypophyseal-adrenal system in the rat. Vermes I, et al. **Acta Physiol Acad Sci Hung** 42:49-59, 1972

Hypophysial tuberculoma with hypopituitarism. Brooks MH, et al. **Am J Med** 54:777-81, Jun 73

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med** 54:782-7, Jun 73

Adrenocortical activation in alcoholics during chronic drinking. Stokes PE. **Ann NY Acad Sci** 215:77-83, 30 Apr 73

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with

chorionic gonadotropin: case report. Sternberg JL.
J Am Geriatr Soc 21:271-4, Jun 73

The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr.
Surgery 74:204-13, Aug 73

[Cushing's disease with pituitary tumor] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G.
Rev Roum Physiol 10:139-47, 1973 (Fre)

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al.
Helv Paediatr Acta 30:Suppl:17, 1973 (Ger)

[Adrenocortical function in patients with hyperthyroidism] Butruk E.
Pol Tyg Lek 28:583-5, 16 May 73 (Pol)

[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR.
Rev Clin Esp 129:119-22, 30 Apr 73 (Eng. Abstr.) (Spa)

LIBRARY U. OF I., URBANA-CHAMPAIGN

II. Disorders of the Adrenal Glands

ADDISON'S DISEASE

BLOOD

[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med 54:782-7, Jun 73**

DRUG THERAPY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med 54:782-7, Jun 73**
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

ETIOLOGY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med 54:782-7, Jun 73**
Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al.
Cancer 31:1240-3, May 73
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med 54:782-7, Jun 73**
Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72

PATHOLOGY

[Morphology of tissue forms of organisms causing visceral mycoses. Polysaccharide and protein histochemistry. 3. Histoplasma capsulatum] Bader G, et al. **Mykosen 16:143-52, 1 Apr 73 (Eng. Abstr.) (Ger)**

PHYSIOPATHOLOGY

Serum TSH and thyroid antibody studies in Addison's disease. McHardy-Young S, et al.
Clin Endocrinol (Oxf) 1:45-56, Jan 72
[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al.
Rev Clin Esp 129:33-8, 1 Apr 73 (Eng. Abstr.) (Spa)

ADENOMA, VIRILIZING

PATHOLOGY

Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73

SURGERY

Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73

URINE

[Virilizing adrenal tumor with a borderline increase in urinary 17-ketosteroid levels] Toledo SP, et al.
Rev Assoc Med Bras 19:21-4, Jan 73 (Eng. Abstr.) (Por)

ADRENAL CORTICAL REST TUMOR

CONGENITAL

[Congenital tumors of the newborn: fibrosarcoma of the soft tissues of the upper extremities and adenoma of the adrenal cortex] Vasil'ev VV, et al.
Arkh Patol 35:64-6, 1973 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Diaphragmatic adrenocortical tumor] Laverdant C, et al.
Ann Endocrinol (Paris) 33:471-5, Jul-Aug 72 (Eng. Abstr.) (Fre)

SURGERY

[Diaphragmatic adrenocortical tumor] Laverdant C, et al.
Ann Endocrinol (Paris) 33:471-5, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADRENAL GLAND DISEASES

Wiedemann-Beckwith syndrome. Forrester RM.
Lancet 819:47, 7 Jul 73
[Effect of thyroidectomy on compensatory adrenal hypertrophy] Zizine L.
C R Soc Biol (Paris) 166:285-7, 9 Nov 72 (Fre)

CHEMICALLY INDUCED

A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland. Lüllmann H, et al.
Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73
[Acute renal failure due to acute adrenocortical failure following steroid treatment] Kaplicki M, et al.
Wiad Lek 26:861-4, 1 May 73 (Eng. Abstr.) (Pol)

COMPLICATIONS

[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al.
Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Acute renal failure due to acute adrenocortical failure following steroid treatment] Kaplicki M, et al.
Wiad Lek 26:861-4, 1 May 73 (Eng. Abstr.) (Pol)
[Benign pheochromocytoma with a finding of nodose hyperplasia of the adrenal cortex, para-aortal paragnaglioma and repeated fibroadenomas of the breast in a long-term follow up patient] Balažovjech I, et al.
Bratisl Lek Listy 59:606-14, 1973 (Eng. Abstr.) (Slo)

DRUG THERAPY

Diazoxide therapy in the syndrome of Beckwith-Weidemann-Coombs. Gotlin RW.
J Pediatr 83:342-3, Aug 73
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

ETIOLOGY

[Calcification of the adrenal gland and cytomegalovirus infection in early childhood] Magnin D.
Helv Paediatr Acta 28:135-43, May 73 (Eng. Abstr.) (Fre)

IMMUNOLOGY

[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

PATHOLOGY

Comparative study of myocardial lesions in hemorrhagic shock. Chang J, et al.
Lab Invest 28:641-7, Jun 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 33-1973.
N Engl J Med 289:366-71, 16 Aug 73
[Pathological anatomy of bleeding in the perinatal period] Güthert H, et al.
Zentralbl Allg Pathol 116:507-18, 1972 (56 ref.) (Ger)

PHYSIOPATHOLOGY

Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)

RADIOGRAPHY

[Calcification of the adrenal gland and cytomegalovirus infection in early childhood] Magnin D.
Helv Paediatr Acta 28:135-43, May 73 (Eng. Abstr.) (Fre)
[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)

ADRENAL GLAND HYPERFUNCTION

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

BLOOD

[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) (Bul)
[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)

COMPLICATIONS

Three cases of alopecia in the dog related to adrenocortical dysfunction. Delmage DA.
J Small Anim Pract 13:265-75, May 72
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

[Medical therapy of hyperadrenalism] Raith L.
Minerva Med 64:682-4, 14 Mar 73 (Ita)

ENZYMOLOGY

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72

FAMILIAL & GENETIC

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72

PHYSIOPATHOLOGY

[Estimation of capillary permeability by means of albumin 131 I in normal state and in edema] Macheret H.
Schweiz Med Wochenschr 103:934-41, 30 Jun 73 (Eng. Abstr.) (Fre)
[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)

URINE

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72

VETERINARY

Three cases of alopecia in the dog related to adrenocortical dysfunction. Delmage DA.
J Small Anim Pract 13:265-75, May 72

ADRENAL GLAND HYPOFUNCTION

BLOOD

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73
The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73
[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) (Bul)
[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Reactivity of the blood coagulation system in experimental adrenal insufficiency] Petrishchev NN.
Vestn Khir 110:37-41, Apr 73 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Adrenal failure in bronchial asthma. Cayton RM, et al.
Br Med J 2:547, 2 Jun 73

COMPLICATIONS

Adrenal failure in bronchial asthma. Cayton RM, et al.
Br Med J 2:547, 2 Jun 73
[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Pseudotumor cerebri. Benign increase of intracranial pressure] Benini A.
Schweiz Med Wochenschr 103:921-6 contd, 30 Jun 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 (Bul)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 (Bul)
[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

ETIOLOGY

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Pulmonary neoplasms and adrenal gland insufficiency: study of a case and hypothesis on an ACTH-inhibiting factor (ACTH-IF) or an abnormal ACTH secreted by

LIBRARY U. OF I., URBANA-CHAMPAIGN

the tumor] Lelièvre M, et al.
Union Med Can 102:1071-6, May 73 (Eng. Abstr.) (Fre)
[Hypocholesteremia in idiopathic hirsutism] Noseda G, et al.
Schweiz Med Wochenschr 103:931-4, 30 Jun 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Idiopathic hypoparathyroidism and idiopathic hypoadrenalism occurring separately in two siblings. Hooper MJ, et al. Med J Aust 1:990-3, 19 May 73

IMMUNOLOGY

"Skin window" in clinical routine. Jansa P.
Folia Haematol (Leipz) 99:121-30, 1973 (70 ref.)
Idiopathic hypoparathyroidism and idiopathic hypoadrenalism occurring separately in two siblings. Hooper MJ, et al. Med J Aust 1:990-3, 19 May 73
[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Immunohistochemical and histologic demonstration of thyrotropic cells of the human adenohypophysis. Phifer RF, et al.
J Clin Endocrinol Metab 36:1210-21, Jun 73

URINE

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

ADRENAL GLAND NEOPLASMS

Disappearance and prolonged absence of jaundice and hyperbilirubinemia in carcinoma of the ampulla of Vater. Oliai A, et al.
Am J Gastroenterol 59:518-21, Jun 73
Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. Calif Med 118:1-6, Jun 73
Influence of vascular permeability on blood-borne metastasis. Takahashi T, et al. Gann 64:1-5, Feb 73
Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al.
Mo Med 70:313-5, May 73
Eye signs in neuroblastoma. Blake J, et al.
Trans Ophthalmol Soc UK 92:825-33, 1972
[Adrenal metastases from primary bronchial carcinomas (apropos of 45 cases)] Kleisbauer JP, et al.
Mars Med 109:743-6, 1972 (Fre)

BLOOD

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al.
Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Three cases of alopecia in the dog related to adrenocortical dysfunction. Delmage DA.
J Small Anim Pract 13:265-75, May 72
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al.
South Med J 66:497-500, Apr 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
[2 cases of virilizing adrenal cortex tumors in infants] Prevot J, et al.
Ann Chir Infant 13:327-38, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
[The diagnostic value of determining renin activity and the plasma concentration of potassium in patients with Conn's syndrome and arterial hypertension] Gerasimenko PP.
Kardiologiia 13:101-6, Mar 73 (Eng. Abstr.) (Rus)
[Benign pheochromocytoma with a finding of nodose hyperplasia of the adrenal cortex, para-aortal paragnaglioma and repeated fibroadenomas of the breast in a long-term follow up patient] Balažovjech I, et al.
Bratisl Lek Listy 59:606-14, 1973 (Eng. Abstr.) (Slo)

CONGENITAL

[Congenital tumors of the newborn: fibrosarcoma of the soft tissues of the upper extremities and adenoma of the adrenal cortex] Vasil'ev VV, et al.
Arkh Patol 35:64-6, 1973 (Eng. Abstr.) (Rus)

DIAGNOSIS

Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. Cancer 31:1514-9, Jun 73
Potential organ or tumor imaging agents. 11. Radioiodinated tyramines. Counsell RE, et al.
J Med Chem 16:684-7, Jun 73
Egg shell calcification in phaeochromocytoma. Neilson J, et al. J R Coll Surg Edinb 18:183-7, May 73
Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)
Stand up and be diagnosed. Vaisrub S.
JAMA 224:1755, 25 Jun 73
[Diagnostic difficulties in a case of the Pepper form of neuroblastoma] Mărgeanu M, et al.
Pediatria (Bucur) 21:355-62, Jul-Aug 72 (Eng. Abstr.) (Rum)
[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al.
Probl Endokrinol (Mosk) 19:18-22, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Adrenal gammagram in humans using 131 I-dichlorodiphenyldichloroethane] Skromne-Kadlubik G, et al.
Arch Inst Cardiol Mex 43:245-8, Mar-Apr 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Survival with adrenal carcinoma. Schick M.
JAMA 224:1763, 25 Jun 73

ENZYMOLOGY

Human serum dopamine- -hydroxylase. Relationship to hypertension and sympathetic activity. Horwitz D, et al. Circ Res 32:594-9, May 73
Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73

ETIOLOGY

Adrenocortical carcinoma and congenital hemihypertrophy. Haicken BN, et al.
J Pediatr 83:284-5, Aug 73

FAMILIAL & GENETIC

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Heredity and cancer in man. Knudson AG Jr, et al.
Prog Med Genet 9:113-58, 1973 (183 ref.)

METABOLISM

Biosynthesis and storage of catecholamines in

pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73
[Disorders of metabolism and steroid hormone synthesis in adrenal carcinoma] Baleva R, et al. Vutr Boles 12:78-81, 1973 (Eng. Abstr.) (Bul)

PATHOLOGY

Virilizing adrenal adenoma. Mizutani S, et al. Am J Surg 126:114-6, Jul 73
Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. DeLellis RA, et al. Cancer 32:227-35, Jul 73
Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73
Egg shell calcification in phaeochromocytoma. Neilson J, et al. J R Coll Surg Edinb 18:183-7, May 73
Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73
[Disorders of metabolism and steroid hormone synthesis in adrenal carcinoma] Baleva R, et al. Vutr Boles 12:78-81, 1973 (Eng. Abstr.) (Bul)
[2 cases of virilizing adrenal cortex tumors in infants] Prevot J, et al. Ann Chir Infant 13:327-38, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Adrenal metastases from primary bronchial carcinomas (apropos of 45 cases)] Kleisbauer JP, et al. Mars Med 109:743-6, 1972 (Fre)
[Pathology of Cushing's syndrome] Saeger W, et al. Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
[Congenital tumors of the newborn: fibrosarcoma of the soft tissues of the upper extremities and adenoma of the adrenal cortex] Vasil'ev VV, et al. Arkh Patol 35:64-6, 1973 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al. Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. Calif Med 118:1-6, Jun 73
Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al. Mo Med 70:313-5, May 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73
[Adrenal tumors in children] Claus D. J Belge Radiol 55:615-21, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)
[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al. Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)
[Selection of an effective method for performing pneumoretroperitoneum] Sharov BK. Vestn Rentgenol Radiol 48:52-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

SURGERY

Virilizing adrenal adenoma. Mizutani S, et al. Am J Surg 126:114-6, Jul 73
Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. Calif Med 118:1-6, Jun 73
Adrenocortical carcinoma and congenital hemihypertrophy. Haicken BN, et al. J Pediatr 83:284-5, Aug 73
Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al. Mo Med 70:313-5, May 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73
[2 cases of virilizing adrenal cortex tumors in infants] Prevot J, et al. Ann Chir Infant 13:327-38, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

URINE

Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73
[Virilizing adrenal tumor with a borderline increase in urinary 17-ketosteroid levels] Toledo SP, et al. Rev Assoc Med Bras 19:21-4, Jan 73 (Eng. Abstr.) (Por)

VETERINARY

Three cases of alopecia in the dog related to adrenocortical dysfunction. Delmage DA. J Small Anim Pract 13:265-75, May 72

ADRENAL GLANDS

ABNORMALITIES

Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. Obstet Gynecol 41:833-6, Jun 73

ADRENOGENITAL SYNDROME

BLOOD

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. N Engl J Med 289:282-6, 9 Aug 73
[Transcortin in health and disease] Vakov L. Vutr Boles 12:1-8, 1973 (Bul)

COMPLICATIONS

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. Helv Paediatr Acta 28:127-34, May 73

CONGENITAL

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. Helv Paediatr Acta 28:127-34, May 73

DIAGNOSIS

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al. J Reprod Med 10:295-300, Jun 73

DRUG THERAPY

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. Helv Paediatr Acta 28:127-34, May 73

METABOLISM

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. N Engl J Med 289:282-6, 9 Aug 73
[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K. Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

SURGERY

Genital reconstruction in the female with the adrenogenital syndrome. Spence HM, et al. Br J Urol 45:126-30, Apr 73

CUSHING'S SYNDROME

Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. Cancer 31:1514-9, Jun 73
Studies about unconjugated androstenediol in human

LIBRARY U. OF I., URBANA-CHAMPAIGN

peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73
[Clinical description of Cushing's syndrome] Shimizu N. **Jap J Nurs Art 19:37-45, May 73 (Jap)**

BLOOD

Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. **J Clin Endocrinol Metab 37:110-7, Jul 73**
Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 22:1756-69, Jul 73
Metabolic behaviour of human growth hormone. Watanabe T, et al. **J Nucl Biol Med 16:81-9, Apr-Jun 72**
Radioimmunoassay of human plasma ACTH and the pathogenesis of Cushing's disease. Christy NP.
Mt Sinai J Med NY 40:298-301, May-Jun 73
[Determination of serum 11-hydroxycorticosteroids by fluorometry. Clinical use] Hainer V, et al.
Cas Lek Cesk 112:680-4, 1973 (Eng. Abstr.) (Cze)
[Direct investigation of hypophyseal corticotropic function] Vague P, et al.
Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
[Remarks on E. Schöpf's report "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Hendrikse JC. **Hautarzt 24:165, Apr 73 (Ger)**
[Concluding comments of the author on J. C. M. Hendrikse's report on the article: "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Schöpf E. **Hautarzt 24:165, Apr 73 (Ger)**

COMPLICATIONS

The assay of ACTH in plasma. Nelson DH, et al.
Mt Sinai J Med NY 40:315-22, May-Jun 73
[Cutaneous mycoses and hypercorticism (Cushing's disease and syndrome)] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 79:541-4, 1972 (Fre)
[Case study of emotional disturbance due to Cushing's syndrome] Iwamizu M.
Jap J Nurs Art 19:88-94, May 73 (Jap)

DIAGNOSIS

Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. **Cancer 31:1514-9, Jun 73**
Radiology of the skull and central nervous system. Funch RB, et al.
Prog Neurol Psychiatry 27:183-98, 1972 (71 ref.)
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

[Medical therapy of hyperadrenalism] Raith L.
Minerva Med 64:682-4, 14 Mar 73 (Ita)

ETIOLOGY

Unusual manifestations of renal carcinoma. A review of the literature. Tveter KJ.
Acta Chir Scand 139:401-9, 1973
Hormone producing tumors of the lung. Lawrence AM.
Ann Clin Lab Sci 3:259-64, Jul-Aug 73
Radioimmunoassay of human plasma ACTH and the pathogenesis of Cushing's disease. Christy NP.
Mt Sinai J Med NY 40:298-301, May-Jun 73
Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al.
Surgery 74:21-9, Jul 73
[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Cushing's disease with pituitary tumor] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:361-6, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

METABOLISM

[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 (Fre)
[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

PATHOLOGY

[Extensive pituitary tumors with corticotropic secretion (ultrastructural study)] Foncin JF, et al.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

PHYSIOPATHOLOGY

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al.
Probl Endokrinol (Mosk) 19:18-22, Mar-Apr 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. **Cancer 31:1514-9, Jun 73**
[Roentgenographic study of adrenal glands] Bonnin A, et al. **Rev Prat 23:907-21, 21 Feb 73 (Fre)**

SURGERY

[Cutaneous mycoses and hypercorticism (Cushing's disease and syndrome)] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 79:541-4, 1972 (Fre)
[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Surgical treatment of Cushing's disease] Nielubowicz J, et al.
Pol Przegl.Chir 45:607-11, May 73 (Eng. Abstr.) (Pol)
[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al.
Probl Endokrinol (Mosk) 19:18-22, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPY

Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. **Cancer 31:1514-9, Jun 73**

HYPERALDOSTERONISM

Physiology and pathology of vascular response. Distler A, et al. **Australas Radiol 23:18-30, Jan 73**
Experience with primary aldosteronism. Tremann JA, et al. **J Urol 110:6-8, Jul 73**
[Clinical description of idiopathic aldosteronism] Kono T. **Jap J Nurs Art 19:46-52, May 73 (Jap)**

BLOOD

The physiology of renin. Stein JH, et al.
Arch Intern Med 131:860-72, Jun 73 (158 ref.)
Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. **J Clin Endocrinol Metab 37:110-7, Jul 73**
Experience with primary aldosteronism. Tremann JA, et al. **J Urol 110:6-8, Jul 73**
Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)
[Renal diabetes insipidus with hypokalemia, hyperaldosteronism, and increased plasma-renin activity (Bartter syndrome)] Rosenkranz A, et al.
Paediatr Paedol 8:297-303, 1973 (Eng. Abstr.) (Ger)
[The diagnostic value of determining renin activity and

the plasma concentration of potassium in patients with Conn's syndrome and arterial hypertension] Gerasimenko PP.
Kardiologiia 13:101-6, Mar 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Indian Colonel syndrome. Cliento R.
Br Med J 2:660-1, 16 Jun 73
Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
[Renal tubular acidosis] Németh M, et al.
Orv Hetil 114:1810-4, 29 Jul 73 (Hun)
[The diagnostic value of determining renin activity and the plasma concentration of potassium in patients with Conn's syndrome and arterial hypertension] Gerasimenko PP.
Kardiologiia 13:101-6, Mar 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

Measurement of plasma renin activity by angiotensin I radioimmunoassay. II. Clinical results. Salvetti A, et al. J Nucl Biol Med 16:102-14, Apr-Jun 72
Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)
Stand up and be diagnosed. Vaisrub S.
JAMA 224:1755, 25 Jun 73
Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al.
Jap Circ J 36:1301-11, Dec 72
[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al.
J Urol Nephrol (Paris) 78:1023-7, Dec 72 (Fre)
[Studies on the autonomy of aldosterone secretion in primary hyperaldosteronism. Diagnosis and differential diagnosis of "Conn's syndrome"] Helber A, et al.
Klin Wochenschr 51:404-10, 15 Apr 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Magnesium supplementation in Bartter's syndrome. Mace JW, et al. Arch Dis Child 48:485-7, Jun 73
Dexamethasone-suppressible hyperaldosteronism. New MI, et al. J Clin Endocrinol Metab 37:93-100, Jul 73
Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al.
Jap Circ J 36:1301-11, Dec 72
[Therapy of secondary hyperaldosteronism] Werning C, et al. Minerva Med 64:664-6, 14 Mar 73 (Ita)

METABOLISM

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. J Clin Endocrinol Metab 37:93-100, Jul 73
Salivary electrolytes in digitalis toxicity. Vaisrub S.
JAMA 225:519, 30 Jul 73
Sodium handling by the kidney in health and disease. A review. First MR.
S Afr Med J 47:839-43, 19 May 73 (59 ref.)

PATHOLOGY

Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73

PHYSIOPATHOLOGY

Plasma and extracellular fluid volumes in hypertension. Dustan HP, et al.
Circ Res 32:Suppl 1:73-83, 5 May 73
[Estimation of capillary permeability by means of albumin 131 I in normal state and in edema] Macheret H.
Schweiz Med Wochenschr 103:934-41, 30 Jun 73 (Eng. Abstr.) (Fre)
[Studies on the autonomy of aldosterone secretion in primary hyperaldosteronism. Diagnosis and differential diagnosis of "Conn's syndrome"] Helber A, et al.
Klin Wochenschr 51:404-10, 15 Apr 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)
[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)

SURGERY

Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
[Therapy of secondary hyperaldosteronism] Werning C, et al. Minerva Med 64:664-6, 14 Mar 73 (Ita)

URINE

Experience with primary aldosteronism. Tremann JA, et al. J Urol 110:6-8, Jul 73
[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al.
J Urol Nephrol (Paris) 78:1023-7, Dec 72 (Fre)

WATERHOUSE-FRIDERICHSEN SYNDROME

DRUG THERAPY

Waterhouse Friderichsen syndrome. Endotoxin shock treated with massive doses of cortisol. Haslund R.
J Oslo City Hosp 23:49-64, Mar 73

PHYSIOPATHOLOGY

[Pathogenesis of the septic-toxic shock] Bartel J.
Z Aerztl Fortbild (Jena) 66:753-8, 1 Aug 72 (49 ref.) (Ger)

LIBRARY U. OF I., URBANA-CHAMPAIGN

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. **Experientia 29:689, 15 Jun 73**

The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al. **Nephron 10:66-112, 1973 (238 ref.)**

[Etiology and therapy of pityriasis lichenoides] Mahrle G. **Hautarzt 24:131, Mar 73 (Ger)**

ADMINISTRATION & DOSAGE

Unusual features of scabies associated with topical fluorinated steroids. Burgess I. **Br J Dermatol 88:519-20, May 73**

Planning a treatment program for rheumatoid arthritis. Mayne JG. **Geriatrics 28:92-7, Jun 73**

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr. **Surgery 74:204-13, Aug 73**

[Complications of corticoid therapy. Its use and importance in dental medicine] Decoulx M. **Rev Belge Med Dent 27:209-16, Mar 72 (Fre)**

[Rosacea] Steigleder GK. **Dtsch Med Wochenschr 98:1350-1, 6 Jul 73 (Ger)**

[Remarks on E. Schöpf's report "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Hendrikse JC. **Hautarzt 24:165, Apr 73 (Ger)**

[Concluding comments of the author on J. C. M. Hendrikse's report on the article: "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Schöpf E. **Hautarzt 24:165, Apr 73 (Ger)**

ADVERSE EFFECTS

Corticosteroid-induced parturition in domestic animals. Jöchle W. **Annu Rev Pharmacol 13:33-55, 1973 (158 ref.)**

Adverse side-effects after topical fluorinated corticosteroid therapy. Chernosky ME, et al. **Arch Dermatol 108:132-3, Jul 73**

Toxic epidermal necrolysis provoked by barbiturates. Stüttgen G. **Br J Dermatol 88:291-3, Mar 73**

Planning a treatment program for rheumatoid arthritis. Mayne JG. **Geriatrics 28:92-7, Jun 73**

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr. **Surgery 74:204-13, Aug 73**

[Tuberculosis following corticosteroid treatment] Marinov M. **Vutr Boles 12:74-7, 1973 (Eng. Abstr.) (Bul)**

[Complications of corticoid therapy. Its use and importance in dental medicine] Decoulx M. **Rev Belge Med Dent 27:209-16, Mar 72 (Fre)**

[Nosology of femoral head osteonecroses] Massias P. **Rev Chir Orthop 59:Suppl 1:17-20, 1973 (Fre)**

[Remarks on E. Schöpf's report "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Hendrikse JC. **Hautarzt 24:165, Apr 73 (Ger)**

[Concluding comments of the author on J. C. M. Hendrikse's report on the article: "Side effects of external corticosteroid therapy" (Hautarzt 23, 295 (1972))] Schöpf E. **Hautarzt 24:165, Apr 73 (Ger)**

Effects and side-effects of corticosteroids, especially fluprednisolone] Kreysel HW, et al. **Munch Med Wochenschr 115:461-5, 16 Mar 73 (Eng. Abstr.) (Ger)**

[Effects and adverse effects of long-term corticosteroid therapy] Popov A. **Z Gesamte Inn Med 28:111-2 contd, 1 Apr 73 (Ger)**

[Renal involvement in systemic erythematodes: correlation of structural and functional lesions--prognostic and therapeutic consequences] Misgeld V, et al. **Z Haut Geschlechtskr 48:445-54, Jun 73 (36 ref.) (Ger)**

[The syndrome of arterial hypertension in systemic lupus erythematosus] Moiseev VS, et al. **Kardiologiia 13:106-11, Mar 73 (Eng. Abstr.) (Rus)**

[Pulmonary tuberculosis in bronchial asthma patients being treated with hormones] Boush GV. **Sov Med 35:85-8, Apr 72 (Eng. Abstr.) (Rus)**

ANALYSIS

Amniotic fluid assays in high-risk pregnancy. Rajan R. **Clin Obstet Gynecol 16:313-28, Mar 73 (58 ref.)**

Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al. **J Chromatogr 80:89-100, 30 May 73**

Colorimetric determination of corticosteroids using aldehyde-sulphuric acid colour reaction. 2. Ibrahim el-SA, et al. **Pharmazie 28:232-4, Apr 73**

BIOSYNTHESIS

Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al. **Arch Biochem Biophys 153:495-501, Dec 72**

Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. **Fed Proc 31:1599-608, Nov-Dec 72**

Effect of hypervitaminosis A on adrenal corticosteroids. Singh N, et al. **Indian J Biochem Biophys 9:313-4, Dec 72**

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem 4:205-15, Mar 73**

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem 4:217-26, Mar 73**

Induction of steroidogenesis in tissue culture by cholera enterotoxin. Donta ST, et al. **Nature [New Biol] 243:246-7, 20 Jun 73**

[Disorders of metabolism and steroid hormone synthesis in adrenal carcinoma] Baleva R, et al. **Vutr Boles 12:78-81, 1973 (Eng. Abstr.) (Bul)**

[Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"] Hashimoto K, et al. **Folia Endocrinol Jap 49:659-70, 20 Apr 73 (Eng. Abstr.) (Jap)**

[Cytotoxic stimulation of steroid hormone formation in blockade of various types of RNA] Zaichik ASh. **Patol Fiziol Eksp Ter 17:40-4, Mar-Apr 73 (Eng. Abstr.) (Rus)**

BLOOD

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al. **Acta Endocrinol (Kbh) 73:117-32, May 73**

Plasma corticosteroid levels in out-patients treated with topical steroids. Wilson L, et al. **Br J Dermatol 88:373-80, Apr 73**

Androgens and exercise. Briggs MH, et al. **Br Med J 3:49-50, 7 Jul 73**

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf) 1:173-80, Apr 72**

Temporary displacement of plasma corticoid circadian peak induced by ablation of olfactory bulbs in dog. Arcangeli P, et al. **Experientia 29:358-9, 15 Mar 73**

Effect of hypervitaminosis A on adrenal corticosteroids. Singh N, et al. **Indian J Biochem Biophys 9:313-4, Dec 72**

Endocrine physiology of the puerperal sow. Molokwu EC, et al. **J Anim Sci 36:1158-63, Jun 73**

Effects of stress on serum zinc and plasma corticoids in dairy cattle. Wegner TN, et al. **J Dairy Sci 56:748-52, Jun 73**

Plasma oestrogen, progesterone and corticoid concentrations in the pregnant, parturient and lactating sow. Ash RW, et al. **J Reprod Fertil 33:359-60, May 73**

Studies on the endocrinology of parturition in the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:361-2, May 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al.
J Steroid Biochem 4:217-26, Mar 73

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al.
Lancet 1:1417-9, 23 Jun 73

[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)

[Effect of thyroidectomy on compensatory adrenal hypertrophy] Zizine L.
C R Soc Biol (Paris) 166:285-7, 9 Nov 72 (Fre)

[Adrenocorticotropic effect of beta-1-23-corticotropin compared with beta-1-24-corticotropin] Geisthövel W, et al.
Arzneim Forsch 23:619-21, Apr 73 (Eng. Abstr.) (Ger)

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN.
Probl Endokrinol (Mosk) 19:114-20, Mar-Apr 73 (98 ref.) (Rus)

HISTORY

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) (Cze)

METABOLISM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

The effect of chlorpromazine on pituitary function. Saldanha VF, et al.
Clin Endocrinol (Oxf) 1:173-80, Apr 72

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al.
Experientia 29:689, 15 Jun 73

[Effect of artificial atmospheric ionization on urinary sodium and potassium excretion] Olivereau JM.
C R Acad Sci [D] (Paris) 676:777-80, 29 Jan 73 (Fre)

[Complications of corticoid therapy. Its use and importance in dental medicine] Decoulx M.
Rev Belge Med Dent 27:209-16, Mar 72 (Fre)

[Corynebacterium acnes. A definite factor in the complex etiology of acne vulgaris?] Lentze I.
Hautarzt 24:91-5, Mar 73 (117 ref.) (Ger)

[Receptors of steroid hormones] Kahl A.
Postepy Biochem 19:171-93, 1973 (Pol)

PHARMACODYNAMICS

Modified hormonal control of enzymatic activity in tumors. Criss WE.
Am J Obstet Gynecol 116:753-9, 15 Jul 73

Post-operative wound healing in patients with rheumatoid arthritis. Garner RW, et al.
Ann Rheum Dis 32:273-4, May 73

Effect of some adrenal steroid hormones on skin fibroblast replication in vitro. Harvey W, et al.
Ann Rheum Dis 32:272, May 73

Chemical mediation of hormone action. Bitensky MW, et al. Annu Rev Med 23:263-84, 1972 (180 ref.)

Corticosteroid-induced parturition in domestic animals. Jöchle W.
Annu Rev Pharmacol 13:33-55, 1973 (158 ref.)

Psoriasis-liver-methotrexate interactions.
Arch Dermatol 108:36-42, Jul 73

Endocrine control of fetal lung development in the rabbit. Chiswick ML, et al.
Arch Dis Child 48:327, Apr 73

Corticosteroid ointments: comparison by two human bioassays. Burdick KH, et al.
Curr Ther Res 15:233-42, May 73

[Complications of corticoid therapy. Its use and importance in dental medicine] Decoulx M.
Rev Belge Med Dent 27:209-16, Mar 72 (Fre)

[Immunodepressive treatments and alveolar phagocyte response] Voisin C, et al.
Rev Tuberc Pneumol (Paris) 36:853-66, Jul-Aug 72 (Eng. Abstr.) (Fre)

[New data on the use of dimethylsulfoxide in experimental and clinical dermatology (a survey of the literature)] Datskovskii BM, et al.
Vestn Dermatol Venerol 47:30-6, Jan 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Humoral control of hemopoiesis. Gordon AS, et al.
Adv Intern Med 18:39-58, 1972 (99 ref.)

Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-16, 1972 (83 ref.)

A non-endocrine control of sebum secretion. Archibald A, et al. Arch Dermatol Forsch 246:175-80, 1973

Endocrine control of fetal lung development in the rabbit. Chiswick ML, et al.
Arch Dis Child 48:327, Apr 73

Regulation of electrolyte balance in marine birds with special reference to the role of the pituitary-adrenal axis in the duck (Anas platyrhynchos). Holmes WN.
Fed Proc 31:1587-98, Nov-Dec 72

Endocrines and water and electrolyte balance in reptiles. LeBrie SJ. Fed Proc 31:1599-608, Nov-Dec 72

Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life. Sawyer WH. Fed Proc 31:1609-14, Nov-Dec 72

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) (Cze)

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D.
C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fre)

[Plasma lipoprotein biosynthesis and regulation] Infante R.
Expos Annu Biochim Med 31:55-90, 1972 (209 ref.) (Fre)

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al.
Usp Fiziol Nauk 3:26-44, Oct-Dec 72 (143 ref.) (Rus)

[Metabolic and humoral correlates of sleep] Vein AM, et al.
Usp Sovrem Biol 75:295-313, Mar-Apr 73 (155 ref.) (Rus)

SECRETION

Effect of cyclic 3',5'-monophosphate on edema and granuloma induced by carrageenin. Ichikawa A, et al.
Biochem Pharmacol 21:2615-26, 1 Oct 72

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al.
Circ Res 32:Suppl 1:159-68, 5 May 73

Mechanisms of lithium action. Singer I, et al.
N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)

Effects of water restriction on reproductive function in female rats. Smith ER, et al.
Neuroendocrinology 12:41-51, 1973

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) (Cze)

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

Fetal hepatic necrosis in a woman receiving chemoprophylaxis with isoniazid. Bailey WC, et al.
Am J Gastroenterol 59:512-7, Jun 73

Photosensitive livedo reticularis. Marion DF, et al.
Arch Dermatol 108:100-1, Jul 73

Chondrocalcinosis articularis (pseudogout syndrome). Moskowitz RW, et al. Arch Intern Med 132:87-91, Jul 73

Candida guilliermondi infection of the knee complicating rheumatoid arthritis: a case report. Graham DR, et al.
Arthritis Rheum 16:272-7, Mar-Apr 73

Immunological studies of the eye changes of thyrotoxicosis. Wall JR, et al.
Aust NZ J Med 3:162-8, Apr 73

Unusual features of scabies associated with topical

LIBRARY U. OF I., URBANA-CHAMPAIGN

fluorinated steroids. Burgess I.
Br J Dermatol 88:519-20, May 73

A case of systemic multinodular mastocytosis. Stanoeva L, et al. **Br J Dermatol** 88:509-11, May 73

Rheumatoid lung disease with pulmonary fibrosis necrobiotic nodules and pleural effusion. Thadani U.
Br J Dis Chest 67:146-52, Apr 73

Prevention of hyaline membrane disease. Johnson P.
Br Med J 2:660, 16 Jun 73

Corticosteroid ointments: comparison by two human bioassays. Burdick KH, et al.
Curr Ther Res 15:233-42, May 73

Planning a treatment program for rheumatoid arthritis. Mayne JG. **Geriatrics** 28:92-7, Jun 73

Treatment of dermatitis herpetiformis with corticosteroids and a gluten-free diet: a study of jejunal morphology and function. Kumar PJ, et al.
Gut 14:280-3, Apr 73

The evaluation of a corticosteroid antibiotic agent in pulp capping. Lakshmanan CD.
J Br Endod Soc 6:24-34, Summer 72

The clinical use of immunosuppressive drugs. Forbes IJ. **Med J Aust** 1:749-52, 14 Apr 73

Clinical dermatology (third of three parts). Soter NA, et al. **N Engl J Med** 289:296-302, 9 Aug 73 (118 ref.)

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr.
Surgery 74:204-13, Aug 73

Options in the treatment of macular diseases. Gass JD.
Trans Ophthalmol Soc UK 92:449-68, 1972

[Root-filling substances containing cortizone preparation for treating chronic and medicamentosus cases] Dacev B, et al.
Stomatologiia (Sofiia) 54:304-8, Jul-Aug 72 **(Bul)**

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) **(Cze)**

[Pruritus, only symptom of Hodgkin's disease for 5 years] Degos R, et al.
Ann Med Interne (Paris) 124:235-8, Mar 73 **(Fre)**

[Optic neuritis, myelitis, and lupus. apropos of two cases] Vitale C, et al.
Ann Med Interne (Paris) 124:211-6, Mar 73 **(Fre)**

[Changes in intraocular tension of inflammatory origin] Weekers R.
Arch Ophtalmol (Paris) 33:239-44, Mar 73 **(Fre)**

[Viral hepatitis--concepts in 1972] Klastersky J, et al.
Brux Med 52:823-30, Dec 72 **(Fre)**

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**

[Comparative study of therapeutic response of ulcerated and non-ulcerated breast cancers in Negro women in Senegal] Menyé PA, et al.
Bull Soc Med Afr Noire Lang Fr 17:476-80, 1972 **(Fre)**

[Complications of corticoid therapy. Its use and importance in dental medicine] Decoulx M.
Rev Belge Med Dent 27:209-16, Mar 72 **(Fre)**

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Myelomonocytic leukemia and pulmonary alveolar proteinosis] Bousser J, et al.
Sem Hop Paris 49:507-11, 8 Feb 73 (Eng. Abstr.) **(Fre)**

[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al.
Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) **(Fre)**

[Study of effects of aprotinine administered by para and intra-articular injecton. II. Clinical study] Marcy R, et al.
Therapie 27:1031-41, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Urinary hydroxyproline excretion in rheumatic conditions and under antirheumatic treatment] Raab W. **Clin Chim Acta** 44:85-93, 28 Feb 73 **(Ger)**

[Hazard-adapted therapy of acquired idiopathic nephrotic syndromes in children] Olbing H.
Dtsch Med Wochenschr 98:1079-85, 25 May 73 **(Ger)**

[Balanitis circumscripta plasmacellularis (Zoon)] Korting GW. **Hautarzt** 24:172, Apr 73 **(Ger)**

[Septic abortion] Kubli F.
Med Klin 68:500-4, 20 Apr 73 **(Ger)**

[Myasthenia gravis pseudoparalytica. Clinical picture, pathogenesis, therapy] Kunze K.
Med Klin 68:723-30, 1 Jun 73 **(Ger)**

Effects and side-effects of corticosteroids, especially fluprednisolone] Kreysel HW, et al.
Munch Med Wochenschr 115:461-5, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Local treatment of soft-part edemas and of hematomas following accidents] Bürger D, et al.
Z Allgemeinmed 48:1304-5, 10 Oct 72 **(Ger)**

[Emergency therapy in hepatic coma] Kommerell B.
Z Allgemeinmed 48:1422-7, 10 Nov 72 **(Ger)**

[Treatment of eczema] Proppe A.
Z Allgemeinmed 49:6-11, 10 Jan 73 **(Ger)**

[Principles of chronic hormone substitution] Mosonyi L.
Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) **(Ger)**

[Effects and adverse effects of long-term corticosteroid therapy] Popov A.
Z Gesamte Inn Med 28:111-2 contd, 1 Apr 73 **(Ger)**

[Renal involvement in systemic erythematodes: correlation of structural and functional lesions--prognostic and therapeutic consequences] Misgeld V, et al.
Z Haut Geschlechtskr 48:445-54, Jun 73 (36 ref.) **(Ger)**

[A case of chronic myelogenous leukemia complicated with hemorrhagic pericarditis during the course of the disease] Koyama H, et al.
Jap J Clin Hematol 14:179-84, Feb 73 (Eng. Abstr.) **(Jap)**

[Experimental study on perfusion-ventilation of the lung--combined use of adrenal cortiocosteroids and pluronic-F 68 for the prevention of postperfusion lung syndrome] Kubota H, et al.
Respir Circ (Tokyo) 20:159-63, Feb 72 (Eng. Abstr.) **(Jap)**

[Clinical and anatomical aspects of idiopathic primary pulmonary hemosiderosis in children] Golińska A, et al. **Wiad Lek** 26:735-9, 15 Apr 73 (Eng. Abstr.) **(Pol)**

[Effectiveness of intermittent corticoid therapy in tuberculosis in children and adolescents] Bazacliu E, et al.
Ftiziologia 22:289-94, May-Jun 73 (Eng. Abstr.) **(Rum)**

[Clinical, morphological, radiological and therapeutic aspects of pulmonary siderosis] Burnea D, et al.
Ftiziologia 22:277-88, May-Jun 73 (Eng. Abstr.) **(Rum)**

[Problems of the immediate postoperative period in orthotopic heart transplant] Portnoi VF, et al.
Grudn Khir 14:88-92, Sep-Oct 72 **(Rus)**

[The syndrome of arterial hypertension in systemic lupus erythematosus] Moiseev VS, et al.
Kardiologiia 13:106-11, Mar 73 (Eng. Abstr.) **(Rus)**

[Bronchial asthma] Bulatov PK, et al.
Ter Arkh 45:24-9, Mar 73 **(Rus)**

[Treatment of chronic pneumonia] Matveikov GP.
Ter Arkh 45:16-20, Mar 73 **(Rus)**

[Effectiveness and complications of treating psoriasis with antimetabolites] Ashmarin Iula, et al.
Vestn Dermatol Venerol 47:14-20, Apr 73 (Eng. Abstr.) **(Rus)**

[General and local hormone therapy in otorhinolaryngology] Mlechin BM.
Vestn Otorinolaringol 34:109-14, Jul-May 73 **(Rus)**

[Functional state of the liver in lymphogranulomatosis during drug and radiation treatment] Danova LA, et al. **Vopr Onkol** 18:43-7, 1972 (Eng. Abstr.) **(Rus)**

[Hormonal preparation of rheumatic fever and chronic tonsillitis patients, treated with corticosteroids, for tonsillectomy] Mishina KI.
Zh Ushn Nos Gorl Bolezn 32:39-41, Mar-Apr 72 (Eng. Abstr.) **(Rus)**

[Endotoxic (gram-negative) shock] Babić K, et al.
Lijec Vjesn 95:251-64, May 73 (Eng. Abstr.) **(Cro)**

URINE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

[Effects of muscular effort on urinary excretion of adrenal gland hormones in normal humans] Follenius M, et al. **Arch Sci Physiol (Paris)** 26:315-24, 1972 **(Fre)**

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Influence of room temperature of night-sleep]

Schmidt-Kessen W, et al.
Res Exp Med (Berl) 160:220-33, 21 May 73 (Eng. Abstr.) (Ger)

ALDOSTERONE

Renin in heart muscle and arterial tissue. Ganten D, et al. Verh Dtsch Ges Kreislaufforsch 38:268-72, 1972

ADMINISTRATION & DOSAGE

Sex dependence of aldosterone response in rats. Morris DJ, et al. Metabolism 22:923-6, Jul 73

ANALYSIS

Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73
Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73

ANTAGONISTS & INHIBITORS

The action of aldosterone on sodium transport: further studies with inhibitors of RNA and protein synthesis. Lahav M, et al. Endocrinology 92:1685-99, Jun 73
7-Acetylthioetiojervanes, new antialdosterone agents. Johns WF, et al. J Med Chem 16:568-70, May 73
Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al.
J Pharmacol Exp Ther 185:686-95, Jun 73
[Therapy of secondary hyperaldosteronism] Werning C, et al. Minerva Med 64:664-6, 14 Mar 73 (Ita)

BIOSYNTHESIS

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al.
Acta Endocrinol (Kbh) 73:80-90, May 73
Oxidative reactions in the formation of an aldehyde group in the biosynthesis of aldosterone. Marusic ET, et al. Arch Biochem Biophys 157:320-1, Jul 73
The effect of sodium intake on maternal milk electrolytes and aldosterone, corticosterone and 18-hydroxydeoxy-corticosterone production in the offspring of rats. Diouha H, et al.
Biol Neonate 22:38-49, 1973
Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73
Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72
[Renal metabolism of 18-hydroxycorticosterone] Antreassian J, et al.
C R Acad Sci [D] (Paris) 275:1423-5, 25 Sep 72 (Fre)

BLOOD

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al.
Am J Clin Nutr 26:397-402, Apr 73
Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al.
Am J Med 55:86-92, Jul 73
Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73
Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73
Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al.
Circ Res 32:Suppl 1:159-68, 5 May 73
Rectal hyperpolarization following intestinal bypass for obesity. Rask-Madsen J, et al. Gut 14:390-2, May 73
Current status of standardization of steroid radioimmunoassay. Malvano R, et al.
J Nucl Biol Med 16:90-101, Apr-Jun 72
Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73
Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)
Stand up and be diagnosed. Vaisrub S.
JAMA 224:1755, 25 Jun 73
Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. Lancet 1:1218-9, 2 Jun 73
[Renin-angiotensin-aldosterone system and arterial hypertension in acromegaly] Vallotton MB, et al.
Ann Endocrinol (Paris) 33:447-8, Jul-Aug 72 (Eng. Abstr.) (Fre)
[The adrenal cortex] Osawa N.
Clin Endocrinol (Tokyo) 21:19-25, Jan 73 (20 ref.) (Jap)

ISOLATION & PURIFICATION

Excretion of tetrahydroaldosterone in normal pregnancy. Posadas C, et al.
Clin Chim Acta 45:299-306, 18 May 73
[Renal metabolism of 18-hydroxycorticosterone] Antreassian J, et al.
C R Acad Sci [D] (Paris) 275:1423-5, 25 Sep 72 (Fre)

METABOLISM

Biochemical and metabolic aspects of alcoholism. Fabre LF Jr, et al. Ann NY Acad Sci 215:346-55, 30 Apr 73
Renal pharmacology, with special emphasis on aldosterone and angiotensin. Gross F, et al.
Annu Rev Pharmacol 13:57-90, 1973 (307 ref.)
Isolated hypoaldosteronism. Calif Med 118:33-8, Jun 73
Characterization of the specific androgen receptors in the human prostate gland. Mainwaring WI, et al.
J Endocrinol 57:371-84, Jun 73
The roles of carbohydrate, renin, and aldosterone in sodium retention during and after total starvation. Garnett ES, et al. Metabolism 22:867-74, Jul 73

PHARMACODYNAMICS

Anaesthesia and toxicity of angiotensin and 5-hydroxytryptamine in rats. Ylitalo P, et al.
Ann Med Exp Biol Fenn 50:186-90, 1972
Renal pharmacology, with special emphasis on aldosterone and angiotensin. Gross F, et al.
Annu Rev Pharmacol 13:57-90, 1973 (307 ref.)
Renal regulation of sodium excretion. Function in health and in edema-forming states. Klahr S, et al.
Arch Intern Med 131:780-91, Jun 73 (103 ref.)
The role of aldosterone in renal physiology. Knochel JP, et al. Arch Intern Med 131:876-84, Jun 73 (106 ref.)
Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver. Mishra RK, et al.
Can J Biochem 51:920-30, Jun 73
Studies on the possible regulation of plasma sodium by prolactin in amphibia. Crim JW.
Comp Biochem Physiol [A] 43:349-57, 1 Oct 72
Effects of thermal acclimation on physiological responses to handling stress, cortisol and aldosterone injections in the goldfish, Carassius auratus. Umminger BL, et al.
Comp Biochem Physiol [A] 44:967-77, 1 Mar 73
The action of aldosterone on sodium transport: further studies with inhibitors of RNA and protein synthesis. Lahav M, et al. Endocrinology 92:1685-99, Jun 73
Studies concerning the regulation and importance of plasma angiotensinogen concentration in the dog. Reid IA, et al. Endocrinology 93:107-14, Jul 73
Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. Endocrinology 93:119-26, Jul 73
The toad's (Bufo marinus) lens and urinary bladder as mural membranes: a comparison. Bentley PJ.
Exp Eye Res 15:723-9, 24 May 73
Sex dependence of aldosterone response in rats. Morris DJ, et al. Metabolism 22:923-6, Jul 73

PHYSIOLOGY

The role of aldosterone in renal physiology. Knochel JP, et al. Arch Intern Med 131:876-84, Jun 73 (106 ref.)
The physiology of renin. Stein JH, et al.
Arch Intern Med 131:860-72, Jun 73 (158 ref.)
Renin and hypertension: a review article. Jones J.
Cent Afr J Med 19:83-4 passim, Apr 73
Sodium handling by the kidney in health and disease. A review. First MR.
S Afr Med J 47:839-43, 19 May 73 (59 ref.)
[Blood volume receptors and neuro-hormonal regulation of blood volume] Annat G, et al.
Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Eng. Abstr.) (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

SECRETION

Effect of changes of body fluid volume on aldosterone and corticosterone production in the rat. Debreceni L, et al. **Acta Physiol Acad Sci Hung 41:243-7, 1972**

Effect of a replacement of the plasma water space on aldosterone production in the sodium-depleted rat. Debreceni L, et al.
Acta Physiol Acad Sci Hung 41:237-41, 1972

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al.
Am J Clin Nutr 26:397-402, Apr 73

Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al.
Am J Med 55:86-92, Jul 73

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73

Renal pharmacology, with special emphasis on aldosterone and angiotensin. Gross F, et al.
Annu Rev Pharmacol 13:57-90, 1973 (307 ref.)

Effects of saline consumption and adrenalectomy on water balance in rats. Wright JW.
Behav Biol 8:291-6, Feb 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab 37:93-100, Jul 73**

Plasma renin activity during levodopa therapy. Significance of long- and short-term treatment. Sullivan JM, et al. **JAMA 224:1726-9, 25 Jun 73**

[Studies on the autonomy of aldosterone secretion in primary hyperaldosteronism. Diagnosis and differential diagnosis of "Conn's syndrome"] Helber A, et al.
Klin Wochenschr 51:404-10, 15 Apr 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

The role of aldosterone in renal physiology. Knochel JP, et al. **Arch Intern Med 131:876-84, Jun 73 (106 ref.)**

URINE

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al.
Aerosp Med 44:855-9, Jul 73

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al.
Am J Clin Nutr 26:397-402, Apr 73

Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al.
Am J Med 55:86-92, Jul 73

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insufficiency. Vieweg WV, et al.
Cancer 31:1240-3, May 73

Renin subgroups in essential hypertension. Further analysis of their pathophysiological and epidemiological characteristics. Brunner HR, et al.
Circ Res 32:Suppl 1:99-105, 5 May 73

Plasma and extracellular fluid volumes in hypertension. Dustan HP, et al.
Circ Res 32:Suppl 1:73-83, 5 May 73

Excretion of tetrahydroaldosterone in normal pregnancy. Posadas C, et al.
Clin Chim Acta 45:299-306, 18 May 73

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab 37:93-100, Jul 73**

Experience with primary aldosteronism. Tremann JA, et al. **J Urol 110:6-8, Jul 73**

Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al.
Jap Circ J 36:1301-11, Dec 72

[Effects of muscular effort on urinary excretion of adrenal gland hormones in normal humans] Follenius M, et al. **Arch Sci Physiol (Paris) 26:315-24, 1972 (Fre)**

[Influence of muscular exertion on urinary cortico- and medullo-adrenal gland hormone excretion] Brandenberger G, et al.
J Physiol (Paris) 65:Suppl 3:364A, 1972 (Fre)

[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al.
J Urol Nephrol (Paris) 78:1023-7, Dec 72 (Fre)

[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al.
Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)

[Aldosterone as a factor of adaptation in disorders of the water-electrolyte metabolism in the postoperative period in children] Derzhavin VM, et al.
Pediatriia 52:50-4, Jan 73 (Rus)

ANDROSTERONE

Preparation of some C 19 steroid-protein conjugates. Rosenfeld RS, et al. **Steroids 21:723-33, May 73**

BIOSYNTHESIS

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al.
Steroids 21:813-32, Jun 73

METABOLISM

Intranuclear receptor for androgens in rat epididymis. Blaquier JA, et al. **Endocrinology 93:51-60, Jul 73**

5 -Reduction of testosterone in vitro by rat seminiferous tubules and whole testes at different stages of development. Matsumoto K, et al.
Endocrinology 93:253-5, Jul 73

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al.
Experientia 29:689, 15 Jun 73

Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Djoseland O, et al. **Steroids 21:773-83, Jun 73**

PHARMACODYNAMICS

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Vogimayr JK, et al.
Acta Endocrinol (Kbh) 73:196-208, May 73

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT.
Biochemistry 12:2221-30, 5 Jun 73

The distribution of free myo-inositol in fluids, spermatozoa, and tissues of the bull genital tract and observations on its uptake by the rabbit epididymis. Vogimayr JK, et al. **Biol Reprod 8:504-13, May 73**

Hormonal factors controlling the development of sexual behavior in the male golden hamster. Coniglio LP, et al. **Physiol Behav 10:1087-94, Jun 73**

[In vitro culture of the lizard epididymis: a new system for study of androgen hormone action] Dufaure JP, et al. **C R Soc Biol (Paris) 166:366-9, 9 Nov 72 (Fre)**

URINE

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al.
Biol Psychiatry 6:23-36, Feb 73

Prediction of 1-year survival after resection of lung tumours from the preoperative steroid excretion pattern. Rao LG. **Br J Surg 59:977-9, Dec 72**

Tryptophan metabolism in breast cancer. Correlation with urinary steroid excretion. Davis HL Jr, et al.
Cancer 31:1061-4, May 73

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW.
Clin Chem 19:706-9, Jul 73

Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73

Urinary steroid profile in vitamin-E-deficient rats. Pinelli A, et al. **Pharmacology 9:201-3, 1973**

[Testosterone metabolism in hypogonadism] Starkova NT, et al.
Probl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Eng. Abstr.) (Rus)

BETAMETHASONE

ADMINISTRATION & DOSAGE

Skin colour changes in psoriasis responding to treatment with betamethasone-17-valerate under occlusion. Tring FC.
Acta Derm Venereol (Stockh) 53:199-202, 1973

The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al.
Br J Dermatol 88:151-6, Feb 73
Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ.
Clin Endocrinol (Oxf) 1:65-72, Jan 72
The effect of clonixin and betamethasone on adjuvant-induced arthritis and experimental allergic encephalomyelitis in rats. Watnick AS, et al.
Jap J Pharmacol 22:741-8, Dec 72
[Treatment of allergic dermatitides using celestamine syrup] Bartelt H.
Z Allgemeinmed 48:1456-7, 10 Nov 72 (Ger)

ADVERSE EFFECTS

Selective evaluation of a new topical steroid (betamethasone benzoate). Cullen SI.
Curr Ther Res 15:243-7, May 73

BLOOD

Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ.
Clin Endocrinol (Oxf) 1:65-72, Jan 72

ISOLATION & PURIFICATION

Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone. Dalmau JM, et al. J Chromatogr 78:165-71, 11 Apr 73

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al.
Biochem Pharmacol 22:1195-201, 15 May 73

PHARMACODYNAMICS

Skin colour changes in psoriasis responding to treatment with betamethasone-17-valerate under occlusion. Tring FC.
Acta Derm Venereol (Stockh) 53:199-202, 1973
The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al.
Br J Dermatol 88:151-6, Feb 73

THERAPEUTIC USE

Skin colour changes in psoriasis responding to treatment with betamethasone-17-valerate under occlusion. Tring FC.
Acta Derm Venereol (Stockh) 53:199-202, 1973
Controlled trial of the treatment of atopic eczema with a urea-hydrocortisone preparation versus betamethasone 17-valerat. Almeyda J, et al.
Br J Dermatol 88:493-5, May 73
Pituitary-adrenal function after prolonged use of topical corticosteroids. Munro DD, et al.
Br J Dermatol 88:381-5, Apr 73
Selective evaluation of a new topical steroid (betamethasone benzoate). Cullen SI.
Curr Ther Res 15:243-7, May 73
The effect of clonixin and betamethasone on adjuvant-induced arthritis and experimental allergic encephalomyelitis in rats. Watnick AS, et al.
Jap J Pharmacol 22:741-8, Dec 72
Betnovate--a powerful steroid. Coleman V.
Nurs Times 69:571, 3 May 73
A case of intestinal torsion in the equine. Gunn SD, et al. Vet Rec 92:148-9, 10 Feb 73
[Wegener's granulomatosis in otological form. (Diagnosis and evolution during immunodepressive treatment)] Bourdinière J, et al.
Ann Otolaryngol Chir Cervicofac 90:203-12, Mar 73 (Eng. Abstr.) (Fre)

CORTICOSTERONE

Reactions of -ketols and other 21-hydroxy steroids with phosgene. 3. Dehydrohalogenation products from 20-chloro-20,21-cyclic carbonates. Lewbart ML.
J Org Chem 38:2335-46, 29 Jun 73
Oxidation of 21-dehydrocorticosteroids to steroidal 20-oxo-21-oic acids by ketoaldehyde dehydrogenase of sheep liver. Monder C, et al.
J Steroid Biochem 4:153-62, Mar 73
Arthritis of goats induced by sensitization with adaptive hormones. Motoi Y, et al.
Natl Inst Anim Health Q (Tokyo) 12:222-9, Winter 72
Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD.
Proc Soc Exp Biol Med 143:460-4, Jun 73
[Myocardial hypertrophy and blood supply in renal, hormonal and genetic hypertension forms in the rat] Breull W, et al.
Verh Dtsch Ges Kreislaufforsch 38:179-83, 1972 (Ger)
[Study of microcirculation by high speed cinematography. 3. Observations on DCA-induced hypertension in rats] Suzuki T, et al.
Respir Circ (Tokyo) 20:67-74, Jan 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73

ANALYSIS

Effect of cyclic 3',5'-monophosphate on edema and granuloma induced by carrageenin. Ichikawa A, et al.
Biochem Pharmacol 21:2615-26, 1 Oct 72
Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73
Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73
Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al.
J Endocrinol 57:385-91, Jun 73
[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)
[Cortisol and corticosterone levels in adrenal glands and plasma in the newborn guinea pig] Dalle M, et al.
J Physiol (Paris) 65:Suppl 3:383A, 1972 (Fre)
[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73
Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells. Mackie C, et al.
Biochem Biophys Res Commun 53:545-51, 17 Jul 73
The effect of sodium intake on maternal milk electrolytes and aldosterone, corticosterone and 18-hydroxydeoxy-corticosterone production in the offspring of rats. Diouha H, et al.
Biol Neonate 22:38-49, 1973
Adrenal steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Huibregtse WH, et al.
Comp Biochem Physiol [B] 44:1051-6, 15 Apr 73
Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73
The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73
Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD.
Proc Soc Exp Biol Med 143:460-4, Jun 73
[Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"] Hashimoto K, et al.
Folia Endocrinol Jap 49:659-70, 20 Apr 73 (Eng. Abstr.) (Jap)

BLOOD

Corticotrophin-releasing factor activity in

LIBRARY U. OF I., URBANA-CHAMPAIGN

hypothalamic extracts of man. Schilling RM, et al. **Acta Endocrinol (Kbh)** 73:1-10, May 73

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al. **Am J Physiol** 224:1358-62, Jun 73

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN. **Am J Physiol** 224:1388-90, Jun 73

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al. **Biochem Pharmacol** 22:1241-5, 15 May 73

Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al. **Clin Chem** 19:718-24, Jul 73

Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla. Vanjonack WJ, et al. **Comp Biochem Physiol [A]** 45:115-20, 1 May 73

The relationship between brain and plasma corticosterone stress response in developing rats. Butte JC, et al. **Endocrinology** 92:1775-9, Jun 73

Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Milković K, et al. **Endocrinology** 93:115-8, Jul 73

Tissue catecholamines and daily rhythm of liver microsomal enzyme activity. Jori A, et al. **Eur J Pharmacol** 21:37-40, Jan 73

Elevation of hepatic tyrosine 2-oxoglutarate aminotransferase in rats by 4-pentynoic acid, a hypoglycemic agent. Fuller RW, et al. **Experientia** 29:277-8, 15 Mar 73

Plasma corticosterone concentration in the foetal rat. Cohen A. **Horm Metab Res** 5:66, Jan 73

The role played by adrenal hormones in the increase of liver tyrosine aminotransferase activity of rats subjected to trauma. Németh S, et al. **Horm Metab Res** 5:204-7, May 73

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab** 36:1230-6, Jun 73

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al. **J Endocrinol** 57:385-91, Jun 73

Current status of standardization of steroid radioimmunoassay. Malvano R, et al. **J Nucl Biol Med** 16:90-101, Apr-Jun 72

Schedule of protein ingestion, nitrogen and energy utilization and circadian rhythm of hepatic glycogen, plasma corticosterone and insulin in rats. Peret J, et al. **J Nutr** 103:866-74, Jun 73

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem** 4:205-15, Mar 73

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem** 4:129-37, Mar 73

Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al. **Metabolism** 22:859-65, Jul 73

Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Feldman S, et al. **Neuroendocrinology** 10:316-23, 1972

Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al. **Neuroendocrinology** 12:98-109, 1973

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology** 12:41-51, 1973

The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs. Baldwin BA, et al. **Physiol Behav** 10:267-74, Feb 73

Parameters of novelty, shock predictability and response contigency in corticosterone release in the rat. Bassett JR, et al. **Physiol Behav** 10:901-7, May 73

Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone. Bronson FH. **Physiol Behav** 10:947-51, May 73

Bidirectional effects of reinforcement shifts on pituitary adrenal activity. Goldman L, et al. **Physiol Behav** 10:209-14, Feb 73

Physiological and behavioral effects of prior aversive stimulation (preshock) in the rat. Levine S, et al. **Physiol Behav** 10:467-71, Mar 73

Social isolation in the gerbil: its effect on exploratory or agonistic behavior and adrenocortical activity. Spencer J, et al. **Physiol Behav** 10:231-7, Feb 73

Modification of high temperature and ACTH induced immunodepression by metyrapone. Thaxton P, et al. **Poult Sci** 52:618-24, Mar 73

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med** 143:460-4, Jun 73

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr. **Surgery** 74:204-13, Aug 73

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al. **C R Acad Sci [D] (Paris)** 276:73-6, 3 Jan 73 **(Fre)**

[Membrane adenyl cyclase activity in adipose tissue of obese hyperglycemic Bar-Harbor mice] Laudat MH, et al. **C R Acad Sci [D] (Paris)** 276:407-9, 15 Jan 73 **(Fre)**

[Study of the corticotropic secretion during compensatory hypertrophy of the adrenal gland] Mialhe C, et al. **C R Acad Sci [D] (Paris)** 276:589-92, 22 Jan 73 **(Fre)**

[Cortisol and corticosterone levels in adrenal glands and plasma in the newborn guinea pig] Dalle M, et al. **J Physiol (Paris)** 65:Suppl 3:383A, 1972 **(Fre)**

[Variations of circadian rhythm of glycogen, blood sugar, insulin and plasma corticosterone as a function of the time of protein consumption] Péret J, et al. **J Physiol (Paris)** 65:Suppl 3:470A, 1972 **(Fre)**

[Experimental studies on the mechanism of ACTH secretion following acute stimulation] Sakamoto N. **Folia Endocrinol Jap** 49:671-80, 20 Apr 73 (Eng. Abstr.) **(Jap)**

[Role of the hypothalamo-hypophyseal system in the regulation of the transcortin level in rat plasma] Rozen VB, et al. **Probl Endokrinol (Mosk)** 19:58-63, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Reaction of -ketols and other 21-hydroxy steroids with phosgene. II. Structural requirements in the formation of 20-chloro-20,21-cyclic carbonates from 11-deoxycorticosterone and 11-dehydrocorticosterone. Lewbart ML. **J Org Chem** 38:2328-35, 29 Jun 73

ISOLATION & PURIFICATION

Adrenal steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Huibregtse WH, et al. **Comp Biochem Physiol [B]** 44:1051-6, 15 Apr 73

METABOLISM

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al. **Acta Endocrinol (Kbh)** 73:80-90, May 73

Oxidative reactions in the formation of an aldehyde group in the biosynthesis of aldosterone. Marusic ET, et al. **Arch Biochem Biophys** 157:320-1, Jul 73

Inhibition by cysteamine of steroid 11 -hydroxylation. Flemming K, et al. **Biochem Pharmacol** 22:1241-5, 15 May 73

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al. **Biochem Pharmacol** 22:1195-201, 15 May 73

Importance of potassium in the regulation of aldosterone production. Boyd J, et al. **Circ Res** 32:Suppl 1:39-45, 5 May 73

Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al. **Circ Res** 32:Suppl 1:139-49, 5 May 73

The relationship between brain and plasma corticosterone stress response in developing rats. Butte JC, et al. **Endocrinology** 92:1775-9, Jun 73

Progesterone and corticosterone binding in rabbit uterine cytosols. Faber LE, et al. **Endocrinology** 93:74-80, Jul 73

Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. **Experientia** 29:689, 15 Jun 73

[Renal metabolism of 18-hydroxycorticosterone] Antreassian J, et al.
C R Acad Sci [D] (Paris) 275:1423-5, 25 Sep 72 (Fre)
[Metabolic clearance rate and secretory rate of corticosterone as a function of the quality of dietary proteins in the young rat] Kamoun A.
J Physiol (Paris) 65:Suppl 3:427A, 1972 (Fre)

PHARMACODYNAMICS

Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals. Kahri AI.
Anat Rec 176:253-71, Jul 73
An in vitro action of androgens on protein synthesis by epididymal tubules maintained in organ culture. Blaquier JA.
Biochem Biophys Res Commun 52:1177-83, 19 Jun 73
Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al.
Biol Reprod 8:400-10, May 73
Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver. Mishra RK, et al.
Can J Biochem 51:920-30, Jun 73
Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats. Szabo S, et al. Can J Physiol Pharmacol 51:169-74, Mar 73
Studies on the possible regulation of plasma sodium by prolactin in amphibia. Crim JW.
Comp Biochem Physiol [A] 43:349-57, 1 Oct 72
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. Endocrinology 93:119-26, Jul 73
Prolactin and thyroid hormone interactions in salt and water balance in the newt Notophthalmus viridescens. Brown PS, et al.
Gen Comp Endocrinol 20:455-66, Jun 73
The lactogenic effects of prolactin and growth hormone on mammary gland explants from virgin and pregnant Sprague-Dawley rats. Hallowes RC, et al.
J Endocrinol 57:253-64, May 73
The stimulation by prolactin and growth hormone of fatty acid synthesis in explants from rat mammary glands. Hallowes RC, et al.
J Endocrinol 57:265-76, May 73
The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73
Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Keefer DA, et al. Proc Soc Exp Biol Med 143:414-7, Jun 73

PHYSIOLOGY

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. Endocrinology 93:119-26, Jul 73

SECRETION

Effect of changes of body fluid volume on aldosterone and corticosterone production in the rat. Debreceni L, et al. Acta Physiol Acad Sci Hung 41:243-7, 1972
Effect of a replacement of the plasma water space on aldosterone production in the sodium-depleted rat. Debreceni L, et al.
Acta Physiol Acad Sci Hung 41:237-41, 1972
Effect of intraventricular injection and intrahypothalamic implantation of serotonin on the hypothalamo-hypophyseal-adrenal system in the rat. Vermes I, et al.
Acta Physiol Acad Sci Hung 42:49-59, 1972
Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73
Interaction of growth hormone and ACTH in the regulation of adrenocortical secretion in rats. Colby HD, et al. Endocrinology 93:188-92, Jul 73
Dexamethasone-suppressible hyperaldosteronism. New MI, et al. J Clin Endocrinol Metab 37:93-100, Jul 73
Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73
[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)
[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al.
Probl Endokrinol (Mosk) 19:18-22, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Retinoic acid in psoriasis: its value for topical therapy with and without corticosteroids. Clinical, histological nd electron microscopical studies on forty-four hospitalized patients with extensive psoriasis. Orfanos CE, et al. Br J Dermatol 88:167-82, Feb 73
Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73

URINE

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al.
Cancer 31:1240-3, May 73

CORTISONE

Sex dependency of steroid retention in rat-liver slices incubated with testosterone. Ghraf R, et al.
Eur J Biochem 35:57-61, May 73
Analysis of the role of H-2 genotypic and phenotypic differences in the spleen colony formation and lymphatic follicle repopulation by bone marrow cells. Lengerová A, et al. Folia Biol (Praha) 19:1-12, 1973
Relative role of cortisone and growth hormone on glucose intolerance and insulin secretion in rat. Akerblom HK, et al. Horm Metab Res 5:34-7, Jan 73
Separation and characterization of cell subpopulations in the thymus. Sabolović D, et al.
Immunology 24:601-6, Apr 73
Incidence of cleft palate in Sabra strain mice. Shapira Y. Lab Anim 7:135-8, May 73
[Experimental myopathy induced with cortisone. Histological, histochemical and ultrastructural study] Toga M, et al.
Ann Anat Pathol (Paris) 18:67-90, Jan-Mar 73 (Eng. Abstr.) (Fre)
[Interactions between cortisone and the proline group] Porcelli G, et al.
Farmaco [Sci] 28:370-8, May 73 (Eng. Abstr.) (Ita)

ADMINISTRATION & DOSAGE

Surgical therapy of dysphonia plica ventricularis. Kosokovic F, et al.
Ann Otol Rhinol Laryngol 82:386-8, May-Jun 73
Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)
Kyasanur Forest disease virus encephalitis in mice. Effect of cortisone on the encephalitic lesions. Nayar M. Indian J Med Res 60:1427-31, Oct 72
Incidence of cleft palate in Sabra strain mice. Shapira Y. Lab Anim 7:135-8, May 73
Luetic deafness. Hendershot EL.
Laryngoscope 83:865-70, Jun 73
Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 7. Effect of cortisone on R. tetragona. Nadakal AM, et al.
Poult Sci 52:682-7, Mar 73
Personal preferences in anesthesia. Jacoby J.
Surg Clin North Am 53:515-28, Jun 73

ADVERSE EFFECTS

Luetic deafness. Hendershot EL.
Laryngoscope 83:865-70, Jun 73
Personal preferences in anesthesia. Jacoby J.
Surg Clin North Am 53:515-28, Jun 73
[Prevention of the cortisone-induced ulcer using antacids?] Kaiser H.
Dtsch Med Wochenschr 98:1351, 6 Jul 73 (Ger)

ANALYSIS

Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

CORTISONE

BLOOD

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Current status of standardization of steroid radioimmunoassay. Malvano R, et al. **J Nucl Biol Med** 16:90-101, Apr-Jun 72

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. **Rev Fr Endocrinol Clin** 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. **Experientia** 29:689, 15 Jun 73

Glucocorticoid receptors in lung. II. Specific binding of glucocorticoids to nuclear components of rabbit fetal lung. Giannopoulos G, et al. **J Biol Chem** 248:5016-23, 25 Jul 73

PHARMACODYNAMICS

Mobilization of the epithelial potencies of the thymus by physiological and non-physiological inducers. Csaba G. **Acta Biol Acad Sci Hung** 23:237-45, 1972

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A. **Acta Endocrinol (Kbh)** 73:69-79, May 73

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al. **Atherosclerosis** 17:515-22, May-Jun 73

A polymeric form of haemoglobin-binding protein in sheep following metabolic and hormonal disturbance. Jarrett IG. **Aust J Biol Sci** 25:941-8, Oct 72

Effects of 5-azacytidine on dietary and hormone induction of serine dehydratase and tyrosine aminotransferase in rat liver. Cihák A, et al. **Biochem Pharmacol** 21:2545-53, 1 Oct 72

Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. **Biochim Biophys Acta** 299:576-87, 11 Apr 73

Immunogenicity and immunosensitivity of urethane-induced murine lung adenomata, in relation to the immunological impairment of the primary tumour host. Ménard S, et al. **Br J Cancer** 27:345-50, May 73

The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. **Br J Exp Pathol** 54:306-11, Jun 73

Changes in firing rates of single preoptic and hypothalamic units following an intravenous administration of estrogen in the castrated female rat. Yagi K. **Brain Res** 53:343-52, 27 Apr 73

An attempt to demonstrate endocrine cells in the rat thymus. Csaba G. **Endocrinol Exp (Bratisl)** 7:99-106, 1973

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Cell-mediated immune response in vitro. IV. Metabolic studies on cellular immunogenicity. Wagner H. **Eur J Immunol** 3:84-9, Feb 73

Influence of classical immunosuppressants on spleen colony formation in mice. Jakóbisiak M, et al. **Experientia** 29:335-6, 15 Mar 73

Cell migration and cortisone-evoked decrease of acid -galactosidase in the ileum of suckling rats. Koldovský O, et al. **Gastroenterology** 64:1142-9, Jun 73

Relative role of cortisone and growth hormone on glucose intolerance and insulin secretion in rat. Akerblom HK, et al. **Horm Metab Res** 5:34-7, Jan 73

Further studies of thymus-bone marrow cell synergism in cutaneous manifestations of delayed hypersensitivity to methylated human serum albumin. The effect of cortisone acetate. Ackerman A, et al. **Immunology** 24:813-22, May 73

Lack of correlation between the effects of cortisone on mouse spleen plaque-forming cells and circulating anti-sheep red blood cell haemolysins. Ferreira A, et al. **Immunology** 24:607-16, Apr 73

Effects of cortisone on H-2 agglutinin response in normal and thymectomized adult mice. Ramos A, et al. **Immunology** 24:593-9, Apr 73

Cortisone, age and antibody-mediated immunity. Glick B. **Int Arch Allergy Appl Immunol** 43:766-71, 1972

Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. **J Clin Invest** 22:1680-5, Jul 73

Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. **J Endocrinol** 57:539-48, Jun 73

In vitro induction of tumor-specific immunity. I. Parameters of activation and cytotoxic reactivity of mouse lymphoid cells immunized in vitro against syngeneic and allogeneic plasma cell tumors. Wagner H, et al. **J Exp Med** 138:1-15, 1 Jul 73

Physiological aspects of immunogenesis and its regulation. Zdrodovsky PF, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 17:37-48, 1973

Studies on the endocrinology of parturition in the guinea-pig. Illingworth DV, et al. **J Reprod Fertil** 33:361-2, May 73

Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 7. Effect of cortisone on R. tetragona. Nadakal AM, et al. **Poult Sci** 52:682-7, Mar 73

Effects of cortisone on thymidine incorporation by various nonlymphoid tissues of the weanling rat. Loeb JN, et al. **Proc Soc Exp Biol Med** 143:502-7, Jun 73

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh. **Vutr Boles** 12:28-41, 1973 (Eng. Abstr.) (Bul)

[Maturation and ovulation in vitro of rainbow trout Salmo gairdneri ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris)** 275:1139-42, 11 Sep 72 (Fre)

[Effect of some hormones on the "drumstick" nuclei of the neutrophils of female and male guinea pigs] Kotova SA. **Probl Endokrinol (Mosk)** 19:95-9, Mar-Apr 73 (Eng. Abstr.) (Rus)

SECRETION

[Corticosterone and cortisone secretion in Itsenko-Cushing syndrome] Goncharova VN, et al. **Probl Endokrinol (Mosk)** 19:18-22, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al. **Acta Endocrinol (Kbh)** 73:105-16, May 73

Surgical therapy of dysphonia plica ventricularis. Kosokovic F, et al. **Ann Otol Rhinol Laryngol** 82:386-8, May-Jun 73

Management of post-traumatic pain syndromes: report of 113 cases. Patman RD, et al. **Ann Surg** 177:780-7, Jun 73

Observations on two cases of snake-bite by Naja nigricollis ss mossambica. Strover HM. **Cent Afr J Med** 19:12-3, Jan 73

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. **Helv Paediatr Acta** 28:127-34, May 73

Effect of cortisone on immunologic cardiac injury in albino rats. Gupta RK, et al. **Indian J Med Res** 60:1140-7, Aug 72

Kyasanur Forest disease virus encephalitis in mice. Effect of cortisone on the encephalitic lesions. Nayar M. **Indian J Med Res** 60:1427-31, Oct 72

Luetic deafness. Hendershot EL. **Laryngoscope** 83:865-70, Jun 73

[Root-filling substances containing cortizone preparation for treating chronic and medicamentosus cases] Dacev B, et al. **Stomatologiia (Sofiia)** 54:304-8, Jul-Aug 72 (Bul)

[Schmidt's syndrome] Baleva R, et al. **Vutr Boles** 12:123-5, 1973 (Bul)

[Wegener's granulomatosis in otological form. (Diagnosis and evolution during immunodepressive treatment)] Bourdinière J, et al. **Ann Otolaryngol Chir Cervicofac** 90:203-12, Mar 73 (Eng. Abstr.) (Fre)

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al. **Rev Fr Endocrinol Clin** 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Histological study of the placenta and basal decidua in habitual abortion caused by hyperandrogenism. Spontaneously interrupted pregnancies during the

1st 6 months and pregnancies treated successfully by corticotherapy] Badarau L, et al.
Rev Fr Gynecol Obstet 67:685-97, Dec 72 (Eng. Abstr.) (Fre)

[Current treatment of disseminated intravascular coagulation] Bernier G.
Union Med Can 102:1049-54, May 73 (Eng. Abstr.) (Fre)

[Problems in Evan's syndrome. Clinical and nuclear medicine studies] Heck J, et al.
Dtsch Med Wochenschr 98:1163-8, 8 Jun 73 (Eng. Abstr.) (Ger)

[Behavior of hydroxyproline excretion in experimental osteo-angio-lathyrism during cortisone therapy] Hartmann F.
Z Rheumaforsch 32:106-12, Mar-Apr 73 (Eng. Abstr.) (Ger)

[General and local hormone therapy in otorhinolaryngology] Mlechin BM.
Vestn Otorinolaringol 34:109-14, Jul-May 73 (Rus)

TOXICITY

Significance of cleft palate induced by chemicals in the rat and mouse. Posner HS.
Food Cosmet Toxicol 10:839-55, Dec 72

DEHYDROEPIANDROSTERONE

Histochemical localization of 3 - and 17 -hydroxysteroid dehydrogenases in the male reprodutive tract of the domestic fowl (Gallus domesticus). Tingari MD.
Histochem J 5:57-65, Jan 73

Human prostatic dehydroepiandrosterone sulfate sulfatase. Farnsworth WE. **Steroids 21:647-64, May 73**

Preparation of some C 19 steroid-protein conjugates. Rosenfeld RS, et al. **Steroids 21:723-33, May 73**

[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al.
Eur J Biochem 35:311-7, Jun 73 (Eng. Abstr.) (Fre)

BIOSYNTHESIS

The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex. Lupo Di Prisco C, et al. **Comp Biochem Physiol [B] 44:567-75, 15 Feb 73**

BLOOD

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al.
Biol Psychiatry 6:23-36, Feb 73

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. Abraham GE, et al.
J Clin Endocrinol Metab 37:140-4, Jul 73

[The adrenal cortex] Osawa N.
Clin Endocrinol (Tokyo) 21:19-25, Jan 73 (20 ref.) (Jap)

ISOLATION & PURIFICATION

Human prostatic dehydroepiandrosterone sulfate sulfatase. Farnsworth WE. **Steroids 21:647-64, May 73**

METABOLISM

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al.
Acta Endocrinol (Kbh) 73:146-70, May 73

The metabolism of androgens in normal human testis and epididymis in vitro. Sulcová J, et al.
Endocrinol Exp (Bratisl) 7:113-8, 1973

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al.
Experientia 29:689, 15 Jun 73

Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73

Metabolism of androgens by human breast tissue. Miller WR, et al. **Lancet 1:912-3, 28 Apr 73**

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al.
Steroids 21:813-32, Jun 73

[Experimental metabolism of dehydroepiandrosterone in rats, in vivo] Nicol M, et al.
C R Soc Biol (Paris) 166:1356-60, 1972 (Fre)

[Several steroid derivatives in breast tumors. Histo-enzymological study] Babin P, et al.
Nouv Presse Med 2:1519, 2 Jun 73 (Fre)

[Metabolism of the dehydroepiandrosterone during pregnancy] Schindler AE, et al.
Med Welt 23:1947-8, 16 Dec 72 (Ger)

PHARMACODYNAMICS

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al.
Steroids 21:703-22, May 73

URINE

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW.
Clin Chem 19:706-9, Jul 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta 45:9-18, 19 Apr 73**

Evidence for dehydroepiandrosterone excretion in rat urine. Snochowski M, et al.
Endocrinol Exp (Bratisl) 7:133-6, 1973

Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73

Urinary steroid profile in vitamin-E-deficient rats. Pinelli A, et al. **Pharmacology 9:201-3, 1973**

DESOXYCORTICOSTERONE

Sodium retention versus renin-angiotensin system in experimental renal hypertension. Liard JF.
Can J Physiol Pharmacol 51:238-41, Mar 73

The mechanism of the antihypertensive action of -methyldopa in hypertensive rats. Day MD, et al.
Eur J Pharmacol 21:271-80, Mar 73

Synthesis and hypotensive properties of tetrahydroisoquinolines. Mathison IW, et al.
J Med Chem 16:332-6, Apr 73

Reactions of -ketols and other 21-hydroxy steroids with phosgene. 3. Dehydrohalogenation products from 20-chloro-20,21-cyclic carbonates. Lewbart ML.
J Org Chem 38:2335-46, 29 Jun 73

Sound-withdrawal hypertension in rats--a new form of experimental hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:42-8, Jan 73

ADMINISTRATION & DOSAGE

Water diuresis in the volume expanded glucocorticoid-deficient dog. Levi J, et al.
Isr J Med Sci 9:429-37, Apr 73

BIOSYNTHESIS

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73

BLOOD

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73

Current status of standardization of steroid radioimmunoassay. Malvano R, et al.
J Nucl Biol Med 16:90-101, Apr-Jun 72

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73

[The adrenal cortex] Osawa N.
Clin Endocrinol (Tokyo) 21:19-25, Jan 73 (20 ref.) (Jap)

LIBRARY U. OF I., URBANA-CHAMPAIGN

DESOXYCORTICOSTERONE

CHEMICAL SYNTHESIS

Reaction of -ketols and other 21-hydroxy steroids with phosgene. II. Structural requirements in the formation of 20-chloro-20,21-cyclic carbonates from 11-deoxycorticosterone and 11-dehydrocorticosterone. Lewbart ML.
J Org Chem 38:2328-35, 29 Jun 73

DIAGNOSTIC USE

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73

METABOLISM

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al.
Acta Endocrinol (Kbh) 73:80-90, May 73

Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73

Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al.
Circ Res 32:Suppl 1:139-49, 5 May 73

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:205-15, Mar 73

PHARMACODYNAMICS

Failure of feedback suppression of renin release in the spontaneously hypertensive rat. Czyzewski LB, et al.
Am J Physiol 225:234-9, Jul 73

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al.
Am J Physiol 225:1-6, Jul 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. **J Biol Chem** 248:4280-5, 25 Jun 73

Physiological aspects of immunogenesis and its regulation. Zdrodovsky PF, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:37-48, 1973

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al.
C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 **(Fre)**

[Effect of innervative disorders and the administration of autonomotropic substances on kidney sensitivity to desoxycorticosterone] Malyi DD.
Probl Endokrinol (Mosk) 19:80-4, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Plasma fibrinogen level and the metabolism of fibrinogen-I-131 in rats treated with hydrocortisone] Byshevskii ASh, et al.
Vopr Med Khim 19:152-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

SECRETION

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al.
Am J Physiol 224:1358-62, Jun 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73

[Development of steroid endocrinology] (Charvát J), Matys Z, et al.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 **(Bul)**

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) **(Rus)**

[The skeletal muscle hexokinase activity of white rats with experimental myotonia] Buslovich SIu, et al.
Vopr Med Khim 18:403-6, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

URINE

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insufficiency. Vieweg WV, et al.
Cancer 31:1240-3, May 73

DEXAMETHASONE

The effect of hypophysectomy on the cortisol secretion in 4 patients with advanced metastatic breast cancer. Lewis AA, et al. **Br J Surg** 60:493-4, Jun 73

Preservation of sodium bisulfite in parenteral solutions of dexamethasone sodium phosphate. Portnoff JB, et al. **Bull Parenter Drug Assoc** 27:84-95, Mar-Apr 73

Production of corneal ulcer by opportunistic and saprophytic fungi. 1. The effect of pretreatment of fungi with steroid. Hasany SM, et al.
Can J Ophthalmol 8:119-31, Jan 73

ADMINISTRATION & DOSAGE

Comparative toxicity of dexamethasone and its tertiary butyl acetate ester after topical ocular instillation in rabbits. MdDonald TO, et al.
Am J Ophthalmol 76:117-25, Jul 73

Twin study on ocular pressure after topical dexamethasone. 1. Frequency distribution of pressure response. Schwartz JT, et al.
Am J Ophthalmol 76:126-36, Jul 73

Corticosteroid efficacy in postoperative uveitis. Mustakallio A, et al. **Ann Ophthalmol** 5:719-30, Jun 73

Evaluation of different doses of dexamethasone in canine endotoxin shock. Kapur BM, et al.
Indian J Med Res 60:1205-12, Aug 72

The effect of locally administered corticosteroids (soluble and insoluble) on the healing times of surgically induced wounds in guinea pigs. Stern SF, et al. **J Am Podiatry Assoc** 63:374-82, Aug 73

Induction of parturition in swine and rabbits with the corticosteroid dexamethasone. North SA, et al.
J Anim Sci 36:1170-4, Jun 73

Corticosteroid effects on sulphate uptake in human iris. Levene RZ.
Trans Am Ophthalmol Soc 70:437-66, 1972

ADVERSE EFFECTS

Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73

Antiviral drugs in Jakob-Creutzfeldt disease. Herishanu Y. **J Am Geriatr Soc** 21:229-31, May 73

[Adverse effects of long-term glucocorticoid therapy on bone metabolism] Schmidt UJ, et al.
Z Gesamte Inn Med 28:119-22, 15 Apr 73 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73

Aldosteronism updated. Weinberger MH, et al.
J Urol 110:1-5, Jul 73 (19 ref.)

Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. **Metabolism** 22:875-84, Jul 73

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone. Daimau JM, et al. **J Chromatogr** 78:165-71, 11 Apr 73

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al.
Biochem Pharmacol 22:1195-201, 15 May 73

A filter assay for steroid hormone receptors. Santi DV, et al. **Biochemistry 12:2412-6, 18 Jun 73**

Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G. **J Biol Chem 248:3876-83, 10 Jun 73**

Glucocorticoid receptors in lung. II. Specific binding of glucocorticoids to nuclear components of rabbit fetal lung. Giannopoulos G, et al. **J Biol Chem 248:5016-23, 25 Jul 73**

Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al. **J Clin Invest 22:1715-25, Jul 73**

PHARMACODYNAMICS

Twin study on ocular pressure after topical dexamethasone. 1. Frequency distribution of pressure response. Schwartz JT, et al. **Am J Ophthalmol 76:126-36, Jul 73**

Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Braverman B, et al. **Am J Physiol 224:1358-62, Jun 73**

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al. **Atherosclerosis 17:515-22, May-Jun 73**

Control of adrenal medullary protein synthesis by corticosteroids. Baliga BS, et al. **Biochim Biophys Acta 299:337-43, 19 Mar 73**

Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats. Freidmann N, et al. **Biochim Biophys Acta 307:399-403, 11 May 73**

A clinical study of serum magnesium concentrations during anaesthesia and cardiopulmonary bypass. Calverley RK, et al. **Can Anaesth Soc J 20:499-518, Jul 73**

Production of corneal ulcer by opportunistic and saprophytic fungi. 1. The effect of pretreatment of fungi with steroid. Hasany SM, et al. **Can J Ophthalmol 8:119-31, Jan 73**

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al. **Circ Res 32:Suppl 1:159-68, 5 May 73**

Studies concerning the regulation and importance of plasma angiotensinogen concentration in the dog. Reid IA, et al. **Endocrinology 93:107-14, Jul 73**

Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al. **Exp Eye Res 16:61-8, Jun 73**

Effect of some drugs on the chemotaxis of rabbit neutrophils in vitro. Borel JF. **Experientia 29:676-8, 15 Jun 73**

Suppression of exercise-induced growth hormone release with dexamethasone. Nakagawa K, et al. **Horm Metab Res 5:225-6, May 73**

The effect of locally administered corticosteroids (soluble and insoluble) on the healing times of surgically induced wounds in guinea pigs. Stern SF, et al. **J Am Podiatry Assoc 63:374-82, Aug 73**

Induction of parturition in swine and rabbits with the corticosteroid dexamethasone. North SA, et al. **J Anim Sci 36:1170-4, Jun 73**

The influence of exteroceptive stimuli and pheromonal facilitation of ovulation in different strains of mice. Eleftheriou BE, et al. **J Endocrinol 57:363-70, Jun 73**

Biosynthesis of prostaglandin E 2 in human skin: subcellular localization and inhibition by unsaturated fatty acids and anti-inflammatory drugs. Ziboh VA. **J Lipid Res 14:377-84, Jul 73**

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al. **J Reprod Med 10:295-300, Jun 73**

The effects of corticosterone, 18-OH-DOC, DOC and 11-hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem 4:129-37, Mar 73**

Human regulatory gene for inducible tyrosine aminotransferase in rat-human hybrids. Croce CM, et al. **Proc Natl Acad Sci USA 70:1268-72, Apr 73**

Effects of adrenal glucocorticoids on polyoma virus replication. Morhenn V, et al. **Proc Natl Acad Sci USA 70:1088-9, Apr 73**

Corticosteroid effects on sulphate uptake in human iris. Levene RZ. **Trans Am Ophthalmol Soc 70:437-66, 1972**

[Effects of metopirone on growth hormone, glycemia, and plasma insulin] Szöts F, et al. **Union Med Can 102:591-5, Mar 73 (Eng. Abstr.) (Fre)**

[Histological changes in the guinea pig lung following inhalation of formaldehyde and roentigen irradiation and their modification through dexamethasone-21-isonicotinate] Otte W, et al. **Arzneim Forsch 23:420-4, Mar 73 (Eng. Abstr.) (Ger)**

[Experimental studies on the mechanism of ACTH secretion following acute stimulation] Sakamoto N. **Folia Endocrinol Jap 49:671-80, 20 Apr 73 (Eng. Abstr.) (Jap)**

[Effect of dexamethasone on the bacteria co-existing with the cultured cells] Fuse J. **Odontology (Tokyo) 61:165-75, Apr 73 (Jap)**

[Cytotoxic effect of antibiotics on L cells in the presence and absence of dexamethasone] Omori Y. **Odontology (Tokyo) 60:780-811, Feb 73 (Jap)**

[Age associated factor in the risk of tumor development] Dil'man VM. **Vopr Onkol 19:101-11, May 73 (Rus)**

THERAPEUTIC USE

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al. **Acta Endocrinol (Kbh) 73:105-16, May 73**

Late aseptic endophthalmitis after cataract surgery. Gleicher DA, et al. **Am J Ophthalmol 75:769-73, May 73**

Virilizing adrenal adenoma. Mizutani S, et al. **Am J Surg 126:114-6, Jul 73**

Acute high-altitude illness in mountaineers and problems of rescue. Wilson R. **Ann Intern Med 78:421-8, Mar 73 (69 ref.)**

Corticosteroid efficacy in postoperative uveitis. Mustakallio A, et al. **Ann Ophthalmol 5:719-30, Jun 73**

Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Sievers DB, et al. **Arch Surg 107:43-8, Jul 73**

A trial comparing two corticoid preparations for the treatment of eczematous skin disorders. Aussems J, et al. **Arzneim Forsch 22:2075-8, Dec 72**

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer 32:31-7, Jul 73**

Evaluation of different doses of dexamethasone in canine endotoxin shock. Kapur BM, et al. **Indian J Med Res 60:1205-12, Aug 72**

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. **Int Surg 58:482-4, Jul 73**

Antiviral drugs in Jakob-Creutzfeldt disease. Herishanu Y. **J Am Geriatr Soc 21:229-31, May 73**

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab 37:93-100, Jul 73**

Comparative study in the management of frozen shoulder. Liang HC, et al. **J Formosan Med Assoc 72:243-7, Apr 73**

Superior orbital fissure syndrome. Some clinical and radiological observations. Hallpike JF. **J Neurol Neurosurg Psychiatry 36:486-90, Jun 73**

The effects of glucosteroids upon cold-induced brain edema. 3. Prevention of gliosis following brain edema. Long DM, et al. **J Neuropathol Exp Neurol 32:245-55, Apr 73**

Surfactant. Woolcock AJ. **Med J Aust 1:900-3, 5 May 73 (23 ref.)**

Activation of Hageman factor by cardiac arrest. Latour JG, et al. **Thromb Diath Haemorrh 27:543-53, 31 Jul 72**

Possible paralytic myoglobinuria of unknown aetiology in young cattle. Barton CR, et al. **Vet Rec 92:288-90, 17 Mar 73**

[Treatment of the asthmatic state. Current status (apropos of 18 cases)] Derenne JP, et al. **Nouv Presse Med 2:1693-6, 23 Jun 73 (Fre)**

[Pharmacologic studies on the anti-inflammatory effect of pentosan polysulfate (SP 54) in combination with other analgesic or antiphlogistic agents] Kalbhen DA, et al. **Arzneim Forsch 23:712-8, May 73 (Eng. Abstr.) (Ger)**

[Histological changes in the guinea pig lung following inhalation of formaldehyde and roentigen irradiation and their modification through dexamethasone-21-isonicotinate] Otte W, et al. **Arzneim Forsch 23:420-4, Mar 73 (Eng. Abstr.) (Ger)**

[Management of soft-tissue rheumatism using a indomethacin-dexa-methasone (Deca-amuno) conbination] Müller G. **Munch Med Wochenschr 115:950-1, 18 May 73 (Ger)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Shock and adrenal cortex hormones] Goto Y.
Jap J Anesthesiol 22:138-44, Feb 73 (Jap)
[2 cases of pulmonary sarcoidosis with radiographic findings indicative of an enlarged thymus] Matsushima M, et al.
Jap J Thorac Dis 10:274-82, May 72 (Eng. Abstr.) (Jap)
[Experiences in the use of corticosteroids in the therapy of inflammation inside or around the tooth] Tavčiovski I, et al.
God Zb Med Fak Skopje 18:407-11, 1972 (Ser)
[Treatment of periapical osteitis with a new multi-drug paste] Yulis Modak J, et al.
Odontol Chil 20:29-33, Jul-Sep 72 (Spa)

TOXICITY

Comparative toxicity of dexamethasone and its tertiary butyl acetate ester after topical ocular instillation in rabbits. MdDonald TO, et al.
Am J Ophthalmol 76:117-25, Jul 73

ETIOCHOLANOLONE

Preparation of some C 19 steroid-protein conjugates. Rosenfeld RS, et al. Steroids 21:723-33, May 73

ADVERSE EFFECTS

[Examination of the granulocytic reserve compartment by means of the etiocholanolone test] Aztarain E, et al. Sangre (Barc) 18:80-5, 1973 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

Marrow granulocyte reserves in the rheumatic diseases. Kimball HR, et al.
Arthritis Rheum 16:345-52, May-Jun 73
[Examination of the granulocytic reserve compartment by means of the etiocholanolone test] Aztarain E, et al. Sangre (Barc) 18:80-5, 1973 (Eng. Abstr.) (Spa)

URINE

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al.
Biol Psychiatry 6:23-36, Feb 73
Tryptophan metabolism in breast cancer. Correlation with urinary steroid excretion. Davis HL Jr, et al.
Cancer 31:1061-4, May 73
Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW.
Clin Chem 19:706-9, Jul 73
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73
Urinary steroid profile in vitamin-E-deficient rats. Pinelli A, et al. Pharmacology 9:201-3, 1973
[Testosterone metabolism in hypogonadism] Starkova NT, et al.
Probl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Eng. Abstr.) (Rus)

FLUDROCORTISONE

PHARMACODYNAMICS

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al.
Atherosclerosis 17:515-22, May-Jun 73
Antagonism of spironolactone-induced natriuresis by aspirin in man. Tweeddale MG, et al.
N Engl J Med 289:198-200, 26 Jul 73

THERAPEUTIC USE

The use of a new mode of therapy in the management of orthostatic hypotension. Frewin DB, et al.
Aust NZ J Med 3:180-3, Apr 73
Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. Cancer 32:31-7, Jul 73

FLUOCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid. Gentry WC Jr, et al. Arch Dermatol 107:870-1, Jun 73
[Penetration of various labelled steroids into human skin] Zesch A, et al.
Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

[Penetration of various labelled steroids into human skin] Zesch A, et al.
Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Corticosteroid ointments: comparison by two human bioassays. Burdick KH, et al.
Curr Ther Res 15:233-42, May 73

THERAPEUTIC USE

A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid. Gentry WC Jr, et al. Arch Dermatol 107:870-1, Jun 73
A trial comparing two corticoid preparations for the treatment of eczematous skin disorders. Aussems J, et al. Arzneim Forsch 22:2075-8, Dec 72
Pituitary-adrenal function after prolonged use of topical corticosteroids. Munro DD, et al.
Br J Dermatol 88:381-5, Apr 73
Acute anterior uveitis and prostaglandins. Whitelocke RA, et al. Proc R Soc Med 66:429-34, May 73 (28 ref.)

FLUOROMETHOLONE

THERAPEUTIC USE

New drugs of 1972. Hussar DA.
Am J Pharm 145:5-16, Jan 73

FLUPREDNISOLONE

ADVERSE EFFECTS

Effects and side-effects of corticosteroids, especially fluprednisolone] Kreysel HW, et al.
Munch Med Wochenschr 115:461-5, 16 Mar 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Combined treatment of scleromalacia perforans in rheumatoid arthritis with penicillamine and plastic surgery. Zer I, et al.
Ophthalmologica 166:293-300, 1973
Effects and side-effects of corticosteroids, especially fluprednisolone] Kreysel HW, et al.
Munch Med Wochenschr 115:461-5, 16 Mar 73 (Eng. Abstr.) (Ger)

GLUCOCORTICOIDS

ADMINISTRATION & DOSAGE

The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al.
Br J Dermatol 88:151-6, Feb 73
Cromolyn therapy for severe asthma in children. Friday GA, et al. J Pediatr 83:299-304, Aug 73
Drug combinations in malignant disease. Lippman ME, et al. Lancet 1:1198, 26 May 73
[Topical application of corticosteroids] Hendrikse JC.
Tijdschr Ziekenverpl 26:713-7, 3 Jul 73 (Dut)
[Adverse effects of long-term glucocorticoid therapy on bone metabolism] Schmidt UJ, et al.
Z Gesamte Inn Med 28:119-22, 15 Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Acute suppurative bacterial arthritis following intra-articular injections of cortisone derivatives] Ryckewaert A, et al.
Rev Rhum Mal Osteoartic 40:189-93, Mar 73 (Eng. Abstr.) (Fre)
[Pathology of Cushing's syndrome] Saeger W, et al.

Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
[Adverse effects of long-term glucocorticoid therapy on bone metabolism] Schmidt UJ, et al.
Z Gesamte Inn Med 28:119-22, 15 Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

A filter assay for steroid hormone receptors. Santi DV, et al. Biochemistry 12:2412-6, 19 Jun 73

BIOSYNTHESIS

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973
Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. Am J Anat 137:231-55, Jul 73
The effect of sodium intake on maternal milk electrolytes and aldosterone, corticosterone and 18-hydroxydeoxy-corticosterone production in the offspring of rats. Diouha H, et al.
Biol Neonate 22:38-49, 1973
Effect of perphenazine during late pregnancy on prolactin production and lactogenesis in the rat. Simpson AA, et al. J Endocrinol 57:431-6, Jun 73

BLOOD

Suppression of exercise-induced growth hormone release with dexamethasone. Nakagawa K, et al.
Horm Metab Res 5:225-6, May 73
Immunosuppression and increased susceptibility to Japaneses B encephalitis virus in Trichinella spiralis-infected mice. Cypess RH, et al.
Proc Soc Exp Biol Med 143:469-73, Jun 73

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al.
Biochem Pharmacol 22:1195-201, 15 May 73
A filter assay for steroid hormone receptors. Santi DV, et al. Biochemistry 12:2412-6, 19 Jun 73
Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G.
J Biol Chem 248:3876-83, 10 Jun 73
Steroid hormones and their receptors. Thomas PJ.
J Endocrinol 57:333-59, May 73
[The glococorticoid function of the adrenal cortex during complex treatment of acute stenosing laryngotracheitis in children] Tarasov DI, et al.
Vestn Otorinolaringol 34:43-8, Jul-May 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Autonomic imbalance in asthma with special reference to beta adrenergic blockade. Middleton E Jr.
Adv Intern Med 18:177-97, 1972 (99 ref.)
Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. Arch Intern Med 131:828-59, Jun 73
Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al.
Atherosclerosis 17:515-22, May-Jun 73
Effect of some drugs on the chemotaxis of rabbit neutrophils in vitro. Borel JF.
Experientia 29:676-8, 15 Jun 73
Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. J Clin Endocrinol Metab 37:110-7, Jul 73
Effects of adrenal glucocorticoids on polyoma virus replication. Morhenn V, et al.
Proc Natl Acad Sci USA 70:1088-9, Apr 73
Vessel wall and thrombogenesis--endotoxin. McKay DG. Thromb Diath Haemorrh 29:11-26, 28 Feb 73
[Biology of Listeria infections. Effect of immunodepression] Touraine JL, et al.
Nouv Presse Med 1:2827-32, 25 Nov 72 (91 ref.) (Eng. Abstr.) (Fre)
[Interrelationship of the thyroid gland and adrenal cortex postoperatively] Shilenok VN.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Water diuresis in the volume expanded glucocorticoid-deficient dog. Levi J, et al.
Isr J Med Sci 9:429-37, Apr 73
[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D.
C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fre)

SECRETION

[The daily activity of the glucocorticoid function of the adrenal cortex in brain tumors] Martirosian VV, et al.
Vopr Neirokhir 37:50-4, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Natural history of childhood lipoid nephrosis. Siegel NJ. Am Heart J 86:139-41, Jul 73
Immunosuppressive therapy. Winkelstein A, et al.
Am J Med Sci 265:92-108, Feb 73
Late aseptic endophthalmitis after cataract surgery. Gleicher DA, et al. Am J Ophthalmol 75:769-73, May 73
Membranous glomerulonephritis and steroids. Looney M. Ann Intern Med 78:782, May 73
The early phase of acute myocardial infarction: pharmacologic aspects of therapy.
Ann Intern Med 78:918-36, Jun 73 (77 ref.)
II. Electroretinographic changes: pre- and postrenal dialysis. Zimmer TJ, et al.
Ann Ophthalmol 5:769-72, Jul 73
Increased intracranial pressure in disseminated lupus erythematosus. Silberberg DH, et al.
Arch Neurol 29:88-90, Aug 73
Autoimmune disorders and malignant lymphoma. Jones SE. Cancer 31:1092-8, May 73
Systemic lupus erythematosus presenting as pulmonary hemosiderosis. Byrd RB, et al.
Chest 64:128-9, Jul 73
Septic shock (endotoxic shock). Cavanagh D, et al.
Clin Obstet Gynecol 16:25-39, Jun 73 (27 ref.)
The effects of glucosteroids upon cold-induced brain edema. 3. Prevention of gliosis following brain edema. Long DM, et al.
J Neuropathol Exp Neurol 32:245-55, Apr 73
Cromolyn therapy for severe asthma in children. Friday GA, et al. J Pediatr 83:299-304, Aug 73
Unitary concept for prevention and treatment of respiratory-distress syndrome. Ghadimi H, et al.
Lancet 2:126-8, 21 Jul 73
Drug combinations in malignant disease. Lippman ME, et al. Lancet 1:1198, 26 May 73
Prognostic value of electroencephalography in Reye's syndrome. Aoki Y, et al.
Neurology (Minneap) 23:333-43, Apr 73
[Procedue to follow in bullous diseases] Beurey J, et al.
Sem Hop Paris 49:43-5, Jan 73 (Fre)
[Urinary hydroxyproline excretion in rheumatic conditions and under antirheumatic treatment] Raab W. Clin Chim Acta 44:85-93, 28 Feb 73 (Ger)
[Experiences with antimetabolic therapy in dermatology] Dethlefs B, et al.
Dermatol Monatsschr 159:34-44, Jan 73 (Eng. Abstr.) (Ger)
[Modern treatment of progressive chronic polyarthritis] Gukelberger M.
Praxis 62:697-707, 29 May 73 (Ger)
[Treatment of parapsoriasis] Kalantaevskaia KA, et al.
Vestn Dermatol Venerol 47:55-8, Apr 73 (Eng. Abstr.) (Rus)
[General and local hormone therapy in otorhinolaryngology] Mlechin BM.
Vestn Otorinolaringol 34:109-14, Jul-May 73 (Rus)
[Fat embolism] Cervantes J, et al.
Arch Inst Cardiol Mex 43:319-24, Mar-Apr 73 (Eng. Abstr.) (Spa)
[Treatment of periapical osteitis with a new multi-drug paste] Yulis Modak J, et al.
Odontol Chil 20:29-33, Jul-Sep 72 (Spa)
[Erythropoietic protoporphyria (II. Pathogenesis,

LIBRARY U. OF I., URBANA-CHAMPAIGN

GLUCOCORTICOIDS

physiopathology and treatment)] Solís Herruzo JA, et al. **Rev Clin Esp** 129:1-14, 1 Apr 73 (97 ref.) (Spa)

URINE

[2 cases of virilizing adrenal cortex tumors in infants] Prevot J, et al.
Ann Chir Infant 13:327-38, Sep-Oct 72 (Eng. Abstr.) (Fre)

[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al.
Vopr Onkol 18:19-22, 1972 (Rus)

HYDROCORTISONE

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. **Biochem Med** 7:350-62, Jun 73

Use of plasma-free medium for the in vitro culture of human lymphocytes. Bagai RC, et al.
Cancer 31:882-8, Apr 73

Early actions of prolactin on uridine metabolism in mammary gland explants. Riliema JA.
Endocrinology 92:1673-9, Jun 73

Binding of progesterone in vitro by the cytoplasmic components of the human myometrium. Batra S.
J Endocrinol 57:561-2, Jun 73

Incidence of cleft palate in Sabra strain mice. Shapira Y. **Lab Anim** 7:135-8, May 73

Antibiotic stability in solutions used for intravenous nutrition and fluid therapy. Feigin RD, et al.
Pediatrics 51:1016-26, Jun 73

Patterns of incorporation of 75 Se-methionine into fibrinogen and other plasma proteins in rabbits stimulated by different test conditions. Seligsohn U, et al. **Thromb Diath Haemorrh** 29:76-86, 28 Feb 73

[Experimental myopathy induced with cortisone. Histological, histochemical and ultrastructural study] Toga M, et al.
Ann Anat Pathol (Paris) 18:67-90, Jan-Mar 73 (Eng. Abstr.) (Fre)

[Review of recent data on the physiopathology of articular cartilage. IV. Cartilage and arthrosis. Characteristics of arthrosic cartilage] Peyron JG.
Rev Rhum Mal Osteoartic 39:313-25, Apr 72 (350 ref.) (Eng. Abstr.) (Fre)

[Use of proteolytic enzymes for prevention of postoperative adhesions in the abdominal cavity] Zhenchevskiĭ RA.
Vestn Khir 108:48-53, Oct 72 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

The spread of solutions injected into the epidural space. A study using epidurograms in patients with the lumbosciatic syndrome. Burn JM, et al.
Br J Anaesth 45:338-45, Apr 73

Treatment of status asthmaticus. Kounis NG.
Br Med J 2:663-4, 16 Jun 73

The different effects of soluble and crystalline hydrocortisone on bone. Duncan H, et al.
Calcif Tissue Res 12:159-68, 9 May 73

Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ.
Clin Endocrinol (Oxf) 1:65-72, Jan 72

Effects of mepyramine, promethazine, and hydrocortisone on paracetamol-induced hepatic necrosis in the rat. Nimmo J, et al.
Clin Toxicol 6:75-81, 1973

The effect of hydrocortisone on the bronchodilator activity of sympathomimetic amines and on the uptake of isoprenaline in the isolated guinea-pig trachea. Pun LQ, et al.
Eur J Pharmacol 22:162-8, May 73

Water diuresis in the volume expanded glucocorticoid-deficient dog. Levi J, et al.
Isr J Med Sci 9:429-37, Apr 73

Increased metabolic clearance of cortisol by stress-susceptible swine. Marple DN, et al.
J Anim Sci 36:1139-42, Jun 73

Incidence of cleft palate in Sabra strain mice. Shapira Y. **Lab Anim** 7:135-8, May 73

[The pain clinic at the Centre Hospitalier de l'Université Laval] Paradis B.
Union Med Can 102:624-8, Mar 73 (Eng. Abstr.) (Fre)

[Penetration of various labelled steroids into human skin] Zesch A, et al.
Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)

[Treatment of so-called intractable arrhythmias. Case report] Nava S, et al.
Minerva Cardioangiol 21:381-5, May 73 (Eng. Abstr.) (Ita)

[Changes in some liver processes in guinea pigs under the effect of large doses of hydrocortisone] Lewandowska-Tokarz A.
Endokrynol Pol 24:185-9, 1973 (Pol)

[Hydrocortisone treatment of the diseases and injuries of the locomotor apparatus] Arenberg AA.
Vestn Khir 110:73-6, Mar 73 (Eng. Abstr.) (Rus)

[Reasons for complications during hydrocortisone treatments of various diseases of the extremities] Tkachenko SS.
Vestn Khir 108:100-2, Oct 72 (Eng. Abstr.) (Rus)

[Use of proteolytic enzymes for prevention of postoperative adhesions in the abdominal cavity] Zhenchevskiĭ RA.
Vestn Khir 108:48-53, Oct 72 (Eng. Abstr.) (Rus)

[Plasma fibrinogen levels in prolonged administration of various doses of hydrocortisone] Koigushskaia GP, et al. **Vrach Delo** 4:105-7, Apr 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Treatment of status asthmaticus. Kounis NG.
Br Med J 2:663-4, 16 Jun 73

Secondary hyperparathyroidism. Rasmussen H.
Mt Sinai J Med NY 40:462-73, May-Jun 73

The cellular basis of metabolic bone disease. Rasmussen H, et al.
N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)

[Tuberculosis following corticosteroid treatment] Marinov M.
Vutr Boles 12:74-7, 1973 (Eng. Abstr.) (Bul)

[Reasons for complications during hydrocortisone treatments of various diseases of the extremities] Tkachenko SS.
Vestn Khir 108:100-2, Oct 72 (Eng. Abstr.) (Rus)

ANALYSIS

Effect of cyclic 3',5'-monophosphate on edema and granuloma induced by carrageenin. Ichikawa A, et al.
Biochem Pharmacol 21:2615-26, 1 Oct 72

Carbohydrate metabolism and acute myocardial infarction: circulating glucose, insulin, cortisol and growth hormone responses and excretion of catecholamines. Kurt TL, et al. **Chest** 64:21-5, Jul 73

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP.
Horm Metab Res 5:63, Jan 73

Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73

Subcellular distribution of steroids in the adrenal gland. Holzbauer M, et al.
Nature [New Biol] 242:117-9, 28 Mar 73

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)

[Cortisol and corticosterone levels in adrenal glands and plasma in the newborn guinea pig] Dalle M, et al.
J Physiol (Paris) 65:Suppl 3:383A, 1972 (Fre)

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al.
Acta Endocrinol (Kbh) 73:80-90, May 73

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72

Diurnal variation of the metabolic clearance rate of cortisol. Effect on measurement of cortisol production rate. Lacerda L de, et al.
J Clin Endocrinol Metab 36:1043-9, Jun 73

BLOOD

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

The clinical pattern of cretinism as seen in highland Ecuador. Stanbury JB. **Adv Exp Med Biol 30:3-17, 1972**

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al. **Aerosp Med 44:855-9, Jul 73**

Effect of a short simulated dive on selected blood constituents in man. Martin KJ, et al. **Aerosp Med 44:516-22, May 73**

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy 31:337-43, Jul 73**

Effect of exercise on serum monoamine oxidase and airway obstruction in asthmatic children. Sly RM, et al. **Ann Allergy 31:328-30, Jul 73**

Controlled clinical trial of corticosteroid therapy in prophylaxis of respiratory distress syndrome. Price HV. **Arch Dis Child 48:325, Apr 73**

The response of circulating cortisol levels in sheep to various stresses and to reserpine administration. Purchas RW. **Aust J Biol Sci 26:477-89, Apr 73**

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. **Biochem Med 7:350-62, Jun 73**

Daily rhythms in concentration of plasma cortisol in male and female gulf killifish, Fundulus grandis. Garcia LE, et al. **Biol Bull 144:471-9, Jun 73**

The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al. **Br J Dermatol 88:151-6, Feb 73**

Progressive changes in serum cortisol, insulin and growth hormone concentrations and their relationship to the distorted amino acid pattern during the development of kwashiorkor. Lunn PG, et al. **Br J Nutr 29:399-422, May 73**

Oral glucose tolerance and hormonal response in heroin-dependent males. Reed JL, et al. **Br Med J 2:582-5, 9 Jun 73**

The different effects of soluble and crystalline hydrocortisone on bone. Duncan H, et al. **Calcif Tissue Res 12:159-68, 9 May 73**

Effect of gallamine on plasma cortisol and catecholamine levels in man. Matsuki A, et al. **Can Anaesth Soc J 20:539-45, Jul 73**

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al. **Cancer 31:1240-3, May 73**

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al. **Circ Res 32:Suppl 1:159-68, 5 May 73**

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem 19:748-52, Jul 73**

Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al. **Clin Chem 19:718-24, Jul 73**

Fluorometric determination of plasma 11-hydroxycorticosteroids. I. Rapid procedure for clinical screening. Mejer LE, et al. **Clin Chem 19:710-7, Jul 73**

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem 19:731-6, Jul 73**

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al. **Clin Endocrinol (Oxf) 1:157-71, Apr 72**

Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ. **Clin Endocrinol (Oxf) 1:65-72, Jan 72**

ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf) 1:3-25, Jan 72**

On the mode of action of acetylsalicylic acid (aspirin) on collagen. Liakakos D, et al. **Helv Paediatr Acta 28:109-16, May 73**

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP. **Horm Metab Res 5:63, Jan 73**

Increased metabolic clearance of cortisol by stress-susceptible swine. Marple DN, et al. **J Anim Sci 36:1139-42, Jun 73**

Influence of phenoxybenzamine and propranolol on blood serotonin and pH, plasma cortisol and M. longissimus pH and color in swine. Topel DG, et al. **J Anim Sci 36:1077-80, Jun 73**

Comparative study of growth hormone response to hypoglycemia in normal subjects and in patients with primary myxedema or hyperthyroidism before and after treatment. Brauman H, et al. **J Clin Endocrinol Metab 36:1162-74, Jun 73**

ACTH and cortisol secretory patterns in man. Gallagher TF, et al. **J Clin Endocrinol Metab 36:1058-68, Jun 73**

Effect of hydrocortisone and corticotropin on glucose-induced insulin and proinsulin secretion in man. Kitabchi AE, et al. **J Clin Endocrinol Metab 37:79-84, Jul 73**

Diurnal variation of the metabolic clearance rate of cortisol. Effect on measurement of cortisol production rate. Lacerda L de, et al. **J Clin Endocrinol Metab 36:1043-9, Jun 73**

The effect of a single dose of L-dopa on pituitary hormones in acromegaly, obesity, and in normal subjects. Mims RB, et al. **J Clin Endocrinol Metab 37:34-9, Jul 73**

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab 36:1230-6, Jun 73**

Endocrine studies in anencephaly. Hayek A, et al. **J Clin Invest 22:1636-41, Jul 73**

Current status of standardization of steroid radioimmunoassay. Malvano R, et al. **J Nucl Biol Med 16:90-101, Apr-Jun 72**

Diabetes and pregnancy. Tsai A, et al. **J Reprod Med 11:23-8, Jul 73**

Competitive binding to multiple stereospecific binding agents as a means of verifying the identity of a ligand application to cortisol in human umbilical cord blood. Murphy BE. **J Steroid Biochem 4:227-31, Mar 73**

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al. **Lancet 1:1417-9, 23 Jun 73**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al. **Neuroendocrinology 10:309-15, 1972**

Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. **Obstet Gynecol 41:833-6, Jun 73**

The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs. Baldwin BA, et al. **Physiol Behav 10:267-74, Feb 73**

Carbohydrate and fluid metabolism in trauma. Allison SP. **Proc R Soc Med 66:484-5, May 73 (12 ref.)**

Oral vitamins in alcohol intoxication. Muir G, et al. **Q J Stud Alcohol 34:373-80, Jun 73**

Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Newsome HH Jr. **Surgery 74:204-13, Aug 73**

Corticosteroid effects on sulphate uptake in human iris. Levene RZ. **Trans Am Ophthalmol Soc 70:437-66, 1972**

[Plasma cortisol and the daily variations in cortisol level in healthy persons] Kolebinov NKh, et al. **Vutr Boles 12:74-8, 1973 (Eng. Abstr.) (Bul)**

[Diaphragmatic adrenocortical tumor] Laverdant C, et al. **Ann Endocrinol (Paris) 33:471-5, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al. **Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al. **Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Direct investigation of hypophyseal corticotropic function] Vague P, et al. **Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al. **C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)**

[Cortisol and corticosterone levels in adrenal glands and plasma in the newborn guinea pig] Dalle M, et al. **J Physiol (Paris) 65:Suppl 3:383A, 1972 (Fre)**

[Cortisol and plasma growth hormone during induced or nonspontaneous variations of blood sugar in man] Gourmelen M, et al. **J Physiol (Paris) 65:Suppl 3:416A+, 1972 (Fre)**

[Circadian variations of the hypophyso-adrenal

LIBRARY U. OF I. URBANA-CHAMPAIGN

response to metopirone] Pennequin P, et al. **J Physiol (Paris) 65:Suppl 3:468A, 1972 (Fre)**

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al. **Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. **Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Effects of metopirone on growth hormone, glycemia, and plasma insulin] Szöts F, et al. **Union Med Can 102:591-5, Mar 73 (Eng. Abstr.) (Fre)**

[Behavior of corticotropinemia and cortisolemia in insulin-induced hypoglycemia. Evaluation of plasma ACTH with a radioimmunological method] Cicognani A, et al. **Minerva Pediatr 25:683-7, 28 Apr 73 (Eng. Abstr.) (Ita)**

[The adrenal cortex] Osawa N. **Clin Endocrinol (Tokyo) 21:19-25, Jan 73 (20 ref.) (Jap)**

CHEMICAL SYNTHESIS

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. **Biochem Med 7:350-62, Jun 73**

DIAGNOSTIC USE

Primary hyperparathyroidism. Burcharth F, et al. **Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)**

METABOLISM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al. **Acta Endocrinol (Kbh) 73:105-16, May 73**

Cortisol receptors in rabbit fetal lung. Giannopoulos G, et al. **Biochem Biophys Res Commun 47:411-8, 28 Apr 72**

The principal glucocorticoid binding macromolecule in hepatoma cells in culture is similar to corticosteroid binder II of rat liver cytosol. Singer S, et al. **Biochem Biophys Res Commun 52:943-50, 8 Jun 73**

Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al. **Circ Res 32:Suppl 1:139-49, 5 May 73**

Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al. **Exp Eye Res 16:61-8, Jun 73**

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. **Experientia 29:689, 15 Jun 73**

Influence of sodium taurocholate, cholestyramine, and mylanta on the intestinal absorption of glucocorticoids in the rat. Ware AJ, et al. **Gastroenterology 64:1150-5, Jun 73**

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP. **Horm Metab Res 5:63, Jan 73**

Glucocorticoid receptors in lung. II. Specific binding of glucocorticoids to nuclear components of rabbit fetal lung. Giannopoulos G, et al. **J Biol Chem 248:5016-23, 25 Jul 73**

Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al. **J Clin Invest 22:1715-25, Jul 73**

Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. **J Endocrinol 57:451-7, Jun 73**

Characterization of the specific androgen receptors in the human prostate gland. Mainwaring WI, et al. **J Endocrinol 57:371-84, Jun 73**

Estrogen-binding to pancreas. Kirdani RY, et al. **Surgery 74:84-90, Jul 73**

[Biochemistry of rat liver cells during regeneration. IV. Effect of vasopressin, insulin and hydrocortisone] Butculescu I, et al. **Rev Roum Physiol 10:131-7, 1973 (Fre)**

[Penetration of various labelled steroids into human skin] Zesch A, et al. **Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)**

[Cortisol metabolism in the ewe] Hoffmann H, et al. **Endokrynol Pol 24:133-8, 1973 (Eng. Abstr.) (Pol)**

PHARMACODYNAMICS

Action mechanism in vitro of sensitized regional lymph node cells on target cell. II. Difference in the biological effect of regional lymph node cells of Ehrlich cancer transplanted mouse and that of normal lymph node cells induced by PHA, on Ehrlich cancer cell line (JTC-11 cell). Konaga E. **Acta Med Okayama 26:99-117, Aug 72**

Mobilizable lymphocyte reserve in rats with hypoplastic lymph organs. Ormai S, et al. **Acta Physiol Acad Sci Hung 42:69-74, 1972**

Modified hormonal control of enzymatic activity in tumors. Criss WE. **Am J Obstet Gynecol 116:753-9, 15 Jul 73**

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al. **Am J Physiol 225:1-6, Jul 73**

Anaesthesia and toxicity of angiotensin and 5-hydroxytryptamine in rats. Ylitalo P, et al. **Ann Med Exp Biol Fenn 50:186-90, 1972**

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al. **Atherosclerosis 17:515-22, May-Jun 73**

Cortisol receptors in rabbit fetal lung. Giannopoulos G, et al. **Biochem Biophys Res Commun 47:411-8, 28 Apr 72**

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT. **Biochemistry 12:2221-30, 5 Jun 73**

Effects of steroids, folate deprivation and protein deprivation upon tetrahydrofolate dehydrogenase levels in mammalian tissues. Makulu DR, et al. **Biochim Biophys Acta 304:526-32, 28 Apr 73**

The relationship between DNA synthesis and the synthesis of nuclear proteins in rat brain. Effect of hydrocortisone acetate. Szijan I, et al. **Biochim Biophys Acta 299:344-53, 19 Mar 73**

Phenylalanine hydroxylase activity in foetal hepatic organ culture. Tourian A. **Biochim Biophys Acta 309:44-9, 5 May 73**

The different effects of soluble and crystalline hydrocortisone on bone. Duncan H, et al. **Calcif Tissue Res 12:159-68, 9 May 73**

Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver. Mishra RK, et al. **Can J Biochem 51:920-30, Jun 73**

Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al. **Circ Res 32:Suppl 1:139-49, 5 May 73**

Effects of thermal acclimation on physiological responses to handling stress, cortisol and aldosterone injections in the goldfish, Carassius auratus. Umminger BL, et al. **Comp Biochem Physiol [A] 44:967-77, 1 Mar 73**

Effects of Schistosoma mansoni infection on induction of tryptophan oxygenase in mouse livers. Brown JN, et al. **Comp Biochem Physiol [B] 45:487-9, 15 Jun 73**

Studies on the induction and repression of enzymes in rat liver. Characterization and metabolic regulation of multiple forms of tyrosine aminotransferase. Iwasaki Y, et al. **Eur J Biochem 34:347-57, Apr 73**

The effect of hydrocortisone on the bronchodilator activity of sympathomimetic amines and on the uptake of isoprenaline in the isolated guinea-pig trachea. Pun LQ, et al. **Eur J Pharmacol 22:162-8, May 73**

Effect of some drugs on the chemotaxis of rabbit neutrophils in vitro. Borel JF. **Experientia 29:676-8, 15 Jun 73**

Effect of hydrocortisone on the ultrastructure of the small, granule-containing cells in the superior cervical ganglion of the newborn rat. Eränkö O, et al. **Experientia 29:457-9, 15 Apr 73**

Resistance of hepatic RNA polymerases to compounds effecting RNA and protein synthesis in vivo. Benecke BJ, et al. **FEBS Lett 31:53-8, 1 Apr 73**

The calcium-dependent stimulation of thymic lymphoblast DNA synthesis and proliferation by a low concentration of cortisol. Whitfield JF, et al. **Horm Metab Res 5:200-4, May 73**

Water diuresis in the volume expanded glucocorticoid-deficient dog. Levi J, et al. **Isr J Med Sci 9:429-37, Apr 73**

Effect of adrenergic compounds, aminophylline and hydrocortisone, on in vitro immunoglobulin synthesis by normal human peripheral lymphocytes. Sherman NA, et al. **J Allergy Clin Immunol 52:13-22, Jul 73**

Effect of hydrocortisone and isoproterenol on immunoglobulin synthesis by peripheral blood

lymphocytes of patients with asthma. Smith RS, et al. **J Allergy Clin Immunol 51:328-34, Jun 73**

Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G. **J Biol Chem 248:3876-83, 10 Jun 73**

Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. Griffin EE, et al. **J Biol Chem 248:4716-23, 10 Jul 73**

Regulation of tyrosine aminotransferase in rat liver. XI. Studies on the relationship of enzyme stability to enzyme turnover in cultured hepatoma cells. Johnson RW, et al. **J Biol Chem 248:4528-31, 10 Jul 73**

Regulation of tyrosine aminotransferase in rat liver. X. Characterization and interconversion of the multiple enzyme forms. Johnson RW, et al. **J Biol Chem 248:4521-7, 10 Jul 73**

Effect of hydrocortisone and corticotropin on glucose-induced insulin and proinsulin secretion in man. Kitabchi AE, et al. **J Clin Endocrinol Metab 37:79-84, Jul 73**

Interaction of intraleukocytic bacteria and antibiotics. Mandell GL. **J Clin Invest 22:1673-9, Jul 73**

Retention of lymphocyte characteristics by myelomas and theta + -lymphomas: sensitivity to cortisol and phytohemagglutinin. Raiph P. **J Immunol 110:1470-5, Jun 73**

A new familial defect of neutrophil movement. Miller ME, et al. **J Lab Clin Med 82:1-8, Jul 73**

Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. Feldman S, et al. **J Neural Transm 34:1-9, 1973**

Kinetic studies of macrophages. 3. The effect of hydrocortisone upon the distribution of radiolabeled peritoneal cells. Gillette RW, et al. **J Reticuloendothel Soc 12:701-13, Dec 72**

Depression of isolated heart muscle by bacterial endotoxin. Macnicol MF, et al. **J Trauma 13:554-8, Jun 73**

Influence of cell-free ascites fluid and adenosine 3'5'-cyclic monophosphate upon the cell kinetics of Ehrlich's ascites carcinoma. Cooper PR, et al. **Nature 243:457-8, 16 Feb 73**

Alterations produced by cortisol in the spontaneous activity and responsiveness to sensory stimuli of single cells in the tuberal hypothalamus of the rat. Nagler J, et al. **Neuroendocrinology 12:52-66, 1973**

Hydrocortisone and vascular reactivity in dogs with hemorrhagic shock. Soares de Moura R, et al. **Pharmacology 9:226-32, 1973**

Open-field behavior, habituation and passive avoidance learning: effect of ACTH and hydrocortisone on normal and adrenalectomized rats. Tamásy V, et al. **Physiol Behav 10:995-1000, Jun 73**

Effects of adrenal glucocorticoids on polyoma virus replication. Morhenn V, et al. **Proc Natl Acad Sci USA 70:1088-9, Apr 73**

Messenger RNA for hepatic tryptophan oxygenase: its partial purification, its translation in a heterologous cell-free system, and its control by glucocorticoid hormones. Schutz G, et al. **Proc Natl Acad Sci USA 70:1218-21, Apr 73**

Effect of hydrocortisone on rat tooth germ. Morphological study. Campos Russo M de, et al. **Rev Fac Odontol Aracatuba 2:135-47, 1973**

Influence of a single dose of hydrocortisone on skin temperature pattern in early postnatal stages. Pascalov-Stoenescu L, et al. **Rev Roum Physiol 10:229-35, 1973**

Decrease of acquisition and retention of passive avoidance behaviour in adult rats following single neonatal hydrocortisone administration. Sterescu-Volanschi M, et al. **Rev Roum Physiol 10:251-9, 1973**

Altered insulin and glucose metabolism produced by epinephrine during hemorrhagic shock in the adrenalectomized primate. Hiebert JM, et al. **Surgery 74:223-34, Aug 73**

Modification of acrylamide neuropathy in rats by selected factors. Kaplan ML, et al. **Toxicol Appl Pharmacol 24:564-70, Apr 73**

Effects of hydrocortisone and polyvalent antivenin on the histological changes in the lung after Naja nigricollis envenomation. Mohamed AH, et al. **Toxicon 11:181-3, Feb 73**

Effect of cortisol on neuraminic acid concentration of normal and polyoma-transformed mouse cells in culture. Metzler F Jr, et al. **Trans Kans Acad Sci 75:103-6, 1972**

Tissue lactate dehydrogenase in cardiac transplantation. Toxic effect of azathioprine. Ringoir SM, et al. **Transplantation 15:354-8, Apr 73**

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)**

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D. **C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fre)**

[Biochemistry of rat liver cells during regeneration. IV. Effect of vasopressin, insulin and hydrocortisone] Butculescu I, et al. **Rev Roum Physiol 10:131-7, 1973 (Fre)**

[Kininogen content of serum and plasma following tissue injury in rats] Zach HP, et al. **Naunyn Schmiedebergs Arch Pharmacol 276:167-80, 23 Feb 73 (Eng. Abstr.) (Ger)**

[Interpretation of various findings in children from areas with high air pollution] Pfeifer I, et al. **Z Gesamte Hyg 18:911-4, Dec 72 (Ger)**

[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al. **J Pharm Soc Jap 92:871-3, Jul 72 (Eng. Abstr.) (Jap)**

[Effect of thyroxine and cortisol on the ultrastructure of rat's liver cells] Kubacki J, et al. **Endokrynol Pol 24:161-9, 1973 (Eng. Abstr.) (Pol)**

[Changes in some liver processes in guinea pigs under the effect of large doses of hydrocortisone] Lewandowska-Tokarz A. **Endokrynol Pol 24:185-9, 1973 (Pol)**

[Morphometric study of the ultrastructure of rat liver cells in the process of hormone induction] Khristoliubova NB, et al. **Tsitologiia 15:254-9, Mar 73 (Eng. Abstr.) (Rus)**

[Change in brain alkaline and acid phosphatase activity under the action of adrenocorticotrophic hormone and hydrocortisone in experimental transplanted cancer of the rat mammary gland] Blagorodov SG, et al. **Ukr Biokhim Zh 45:166-9, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Antibody-formation capacity of nasal polyps (in vitro)] Stepanova GA, et al. **Vestn Otorinolaringol 35:88-92, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Plasma fibrinogen level and the metabolism of fibrinogen-I-131 in rats treated with hydrocortisone] Byshevskii ASh, et al. **Vopr Med Khim 19:152-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Hormonal regulation of transaminase activity in rat liver cells becoming malignant] Il'in VS, et al. **Vopr Med Khim 19:143-8, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Inhibition of tryptophan pyrrolase activity in rat liver by the administration of imipramine and other antidepressants] Samsonova ML. **Vopr Med Khim 19:148-52, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Utilization of riboflavin and its nucleotides of subcellular rat liver fractions under the action of hydrocortisone] Kuznetsov LKN, et al. **Vopr Pitan 31:17-20, Sep-Oct 72 (Eng. Abstr.) (Rus)**

[Plasma fibrinogen levels in prolonged administration of various doses of hydrocortisone] Koigushskaia GP, et al. **Vrach Delo 4:105-7, Apr 73 (Eng. Abstr.) (Rus)**

[Submicroscopic structure of the thymus gland after and administration of hydrocortisone] Zak KP, et al. **Vrach Delo 4:108-10, Apr 73 (Eng. Abstr.) (Rus)**

[Effect of hydrocortisone on hexokinase and adenosine triphosphatase activity in rabbit brain tissue] Mestechkina AIa, et al. **Ukr Biokhim Zh 44:633-7, 1972 (Eng. Abstr.) (Ukr)**

PHYSIOLOGY

Effects of hormones and nutrition on brain development. Balázs R. **Adv Exp Med Biol 30:385-415, 1972 (85 ref.)**

[Articular cartilage. 1. Physiology in the adult] Peyron JG. **Nouv Presse Med 2:1667-70, 16 Jun 73 (Eng. Abstr.) (Fre)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

HYDROCORTISONE

SECRETION

The effect of hypophysectomy on the cortisol secretion in 4 patients with advanced metastatic breast cancer. Lewis AA, et al. **Br J Surg** 60:493-4, Jun 73

Electron microscopy of an ACTH-secreting islet cell carcinoma. Rawlinson DG. **Cancer** 31:1015-9, Apr 73

The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Klesch WL, et al. **Comp Biochem Physiol [A]** 45:961-7, 1 Aug 73

ACTH and cortisol secretory patterns in man. Gallagher TF, et al. **J Clin Endocrinol Metab** 36:1058-68, Jun 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab** 36:1230-6, Jun 73

Adrenocortical stimulation by substituted 1-18 corticotrophin. Irvine WJ, et al. **Lancet** 1:1417-9, 23 Jun 73

[Cortisol and corticosterone synthesis during the first week of life in the guinea pig] Dalle M, et al. **C R Acad Sci [D] (Paris)** 276:73-6, 3 Jan 73 **(Fre)**

[Endocrinological and metabolical findings in obesity] Hofmann GG. **Med Klin** 67:1385-8, 27 Oct 72 (32 ref.) **(Ger)**

THERAPEUTIC USE

Controlled clinical trial of corticosteroid therapy in prophylaxis of respiratory distress syndrome. Price HV. **Arch Dis Child** 48:325, Apr 73

Treatment of thrombotic thrombocytopenic purpura with antiplatelet drugs. Amir J, et al. **Blood** 42:27-33, Jul 73

Recovery from poisoning by 20 percent paraquat. Jones GR, et al. **Br J Clin Pract** 27:69-70, Feb 73

Toxic epidermal necrolysis associated with pentazocine therapy and severe reversible renal failure. Hunter JA, et al. **Br J Dermatol** 88:287-90, Mar 73

Drug-induced respiratory disorders. Farid Z, et al. **Br Med J** 2:661-2, 16 Jun 73

Treatment of status asthmaticus. Kounis NG. **Br Med J** 2:663-4, 16 Jun 73

Electrocardiographic changes associated with penicillin anaphylaxis. Petsas AA, et al. **Chest** 64:66-9, Jul 73

Effects of mepyramine, promethazine, and hydrocortisone on paracetamol-induced hepatic necrosis in the rat. Nimmo J, et al. **Clin Toxicol** 6:75-81, 1973

Effect of nitrogen mustard and corticoids on experimentally produced villonodular synovitis. Kumar AS, et al. **Indian J Med Res** 60:724-30, May 72

Effect of stress on carrageenin inflammation in rats. Naik SR, et al. **Indian J Med Res** 60:1316-22, Sep 72

Anti-inflammatory activity of an indigenous plant--Paederia foetida (Gandhali). Srivastava MC, et al. **Indian J Med Sci** 27:231-4, Mar 73

Pathogenesis and treatment of endocrine exophthalmos. Haddad HM. **Int Surg** 58:482-4, Jul 73

Waterhouse Friderichsen syndrome. Endotoxin shock treated with massive doses of cortisol. Haslund R. **J Oslo City Hosp** 23:49-64, Mar 73

Failure of antilymphocytic globulin therapy in chronic progressive multiple sclerosis. MacFadyen DJ, et al. **Neurology (Minneap)** 23:592-8, Jun 73

Idiopathic hypoglycaemia. Stern C. **Proc R Soc Med** 66:345-6, Apr 73

The blood-brain barrier in the cerebral edema of experimentally-induced cerebrovascular accidents. Schwartz B, et al. **Rev Roum Neurol** 9:123-34, 1972

[Combined conduction disorders in a patient with the articular-cardiac form of rheumatic attack] Apostolov L, et al. **Vutr Boles** 12:87-91, 1973 (Eng. Abstr.) **(Bul)**

[Lipoatrophic diabetes. A case description] Bozhadzhieva E, et al. **Vutr Boles** 12:130-3, 1973 **(Bul)**

[Therapeutic hyperosmolarity] Grivaux M, et al. **Ann Med Interne (Paris)** 124:253-6, Mar 73 **(Fre)**

[Wegener's granulomatosis in otological form. (Diagnosis and evolution during immunodepressive treatment)] Bourdinière J, et al. **Ann Otolaryngol Chir Cervicofac** 90:203-12, Mar 73 (Eng. Abstr.) **(Fre)**

[Treatment of the asthmatic state. Current status (apropos of 18 cases)] Derenne JP, et al. **Nouv Presse Med** 2:1693-6, 23 Jun 73 **(Fre)**

[Attempt at prolonged stimulation of adrenocortical insufficiency by long-acting beta-1-24-corticotrophin] Luton JP, et al. **Rev Fr Endocrinol Clin** 13:425-34, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Acute poisoning with formic acid] Wiernikowski A, et al. **Przegl Lek** 30:395-6, 1973 **(Pol)**

[Chronic bronchitis (considerations on a series of hospitalized patients)] Pîrvulescu P, et al. **Ftiziologia** 21:297-309, May-Jun 72 (Eng. Abstr.) **(Rum)**

[Clinico-morphological parallels during instillation of acid solutions in the respiratory tract and some problems of therapy of these complications in animal experiments] Rafulia VA. **Klin Khir** 4:60-3, Apr 73 **(Rus)**

[Hydrocortisone treatment of the diseases and injuries of the locomotor apparatus] Arenberg AA. **Vestn Khir** 110:73-6, Mar 73 (Eng. Abstr.) **(Rus)**

[Septic shock in a surgical clinic] Surovikin DM, et al. **Vestn Khir** 110:126-9, Mar 73 (22 ref.) **(Rus)**

[Reasons for complications during hydrocortisone treatments of various diseases of the extremities] Tkachenko SS. **Vestn Khir** 108:100-2, Oct 72 (Eng. Abstr.) **(Rus)**

[Use of proteolytic enzymes for prevention of postoperative adhesions in the abdominal cavity] Zhenchevskiĭ RA. **Vestn Khir** 108:48-53, Oct 72 (Eng. Abstr.) **(Rus)**

[Hydrocortisone in the treatment of certain diseases of the extremities] Shitov ST. **Veterinariia** 49:89-91, Jun 73 **(Rus)**

[The skeletal muscle hexokinase activity of white rats with experimental myotonia] Buslovich SIu, et al. **Vopr Med Khim** 18:403-6, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

[Erythropoietic protoporphyria (II. Pathogenesis, physiopathology and treatment)] Solís Herruzo JA, et al. **Rev Clin Esp** 129:1-14, 1 Apr 73 (97 ref.) **(Spa)**

TOXICITY

Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Ono S, et al. **Exp Eye Res** 16:61-8, Jun 73

URINE

Endocrine studies during a 14-day continuous exposure to 5.2 per cent O 2 in N 2 at pressure equivalent to 100 FSW (4 ATA). Leach CS, et al. **Aerosp Med** 44:855-9, Jul 73

The effect of hypophysectomy on the cortisol secretion in 4 patients with advanced metastatic breast cancer. Lewis AA, et al. **Br J Surg** 60:493-4, Jun 73

ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf)** 1:3-25, Jan 72

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP. **Horm Metab Res** 5:63, Jan 73

Normal values of free urinary cortisol in infants and children. Stolecke H. **Horm Metab Res** 5:64, Jan 73

Oral vitamins in alcohol intoxication. Muir G, et al. **Q J Stud Alcohol** 34:373-80, Jun 73

[Effects of muscular effort on urinary excretion of adrenal gland hormones in normal humans] Follenius M, et al. **Arch Sci Physiol (Paris)** 26:315-24, 1972 **(Fre)**

[Influence of muscular exertion on urinary cortico- and medullo-adrenal gland hormone excretion] Brandenberger G, et al. **J Physiol (Paris)** 65:Suppl 3:364A, 1972 **(Fre)**

HYDROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

Corticosteroid efficacy in postoperative uveitis. Mustakallio A, et al. **Ann Ophthalmol** 5:719-30, Jun 73

Prolonged release hydrocortisone therapy. Lerman S, et al. **Can J Ophthalmol** 8:114-8, Jan 73

METABOLISM

The effect of urea and lactic acid on the percutaneous absorption of hydrocortisone. Wahlberg JE, et al. **Acta Derm Venereol (Stockh)** 53:207-10, 1973

ADRENAL

THERAPEUTIC USE

Corticosteroid efficacy in postoperative uveitis. Mustakallio A, et al. **Ann Ophthalmol** 5:719-30, Jun 73
Controlled trial of the treatment of atopic eczema with a urea-hydrocortisone preparation versus betamethasone 17-valerat. Almeyda J, et al. **Br J Dermatol** 88:493-5, May 73
Prolonged release hydrocortisone therapy. Lerman S, et al. **Can J Ophthalmol** 8:114-8, Jan 73
Acute anterior uveitis and prostaglandins. Whitelocke RA, et al. **Proc R Soc Med** 66:429-34, May 73 (28 ref.)
[Treatment of hemorrhoids] Misic D, et al. **Z Allgemeinmed** 49:429-30, 31 Mar 73 **(Ger)**
[The use of aerosols (dermomyxin and oxycort) in dermatological practice] Somov BA, et al. **Vestn Dermatol Venerol** 47:86-8, Jan 73 **(Rus)**

17-HYDROXYCORTICOSTEROIDS

Oxidation of 21-dehydrocorticosteroids to steroidal 20-oxo-21-oic acids by ketoaldehyde dehydrogenase of sheep liver. Monder C, et al. **J Steroid Biochem** 4:153-62, Mar 73

ANALYSIS

[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al. **Vutr Boles** 12:68-74, 1973 (Eng. Abstr.) **(Bul)**

BIOSYNTHESIS

Adrenal steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Huibregtse WH, et al. **Comp Biochem Physiol [B]** 44:1051-6, 15 Apr 73
Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. **Endocrinology** 93:81-7, Jul 73

BLOOD

Adrenocortical activation in alcoholics during chronic drinking. Stokes PE. **Ann NY Acad Sci** 215:77-83, 30 Apr 73
Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73
Effect of reserpine on FFA mobilization caused by extreme stimulation of animals. Nikulcheva NG, et al. **Pharmacology** 9:217-25, 1973
[Oxygen needs and oxygen consumption in burn shock] Volynskiĭ IuD, et al. **Vestn Khir** 110:106-11, Apr 73 (Eng. Abstr.) **(Rus)**
[The daily activity of the glucocorticoid function of the adrenal cortex in brain tumors] Martirosian VV, et al. **Vopr Neirokhir** 37:50-4, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

URINE

46,XX Turner's syndrome. Ansari AH, et al. **Am J Obstet Gynecol** 116:415-22, 1 Jun 73
Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al. **Am J Obstet Gynecol** 116:661-5, 1 Jul 73
Virilizing adrenal adenoma. Mizutani S, et al. **Am J Surg** 126:114-6, Jul 73
Prediction of 1-year survival after resection of lung tumours from the preoperative steroid excretion pattern. Rao LG. **Br J Surg** 59:977-9, Dec 72
Attempted suicide: a description of the pre and post suicidal states. Sendbuehler JM. **Can Psychiatr Assoc J** 18:113-6, Apr 73
Tryptophan metabolism in breast cancer. Correlation with urinary steroid excretion. Davis HL Jr, et al. **Cancer** 31:1061-4, May 73
Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer** 32:31-7, Jul 73
Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insuffiency. Vieweg WV, et al. **Cancer** 31:1240-3, May 73
Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73
Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. **Indian J Cancer** 10:111-23, Mar 73 (131 ref.)
Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73
Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al. **J Endocrinol** 57:317-24, May 73
[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh. **Vutr Boles** 12:28-41, 1973 (Eng. Abstr.) **(Bul)**
[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al. **J Urol Nephrol (Paris)** 78:1023-7, Dec 72 **(Fre)**
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al. **Minerva Med** 64:1530-42, 30 Apr 73 (Eng. Abstr.) **(Ita)**
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al. **Arkh Anat Gistol Embriol** 64:88-93, Mar 73 (Eng. Abstr.) **(Rus)**
[The effect of mental work with different degrees of nervous-emotional stress on the cardiovascular system] Navakatikian AO, et al. **Kardiologiia** 13:50-6, Mar 73 (Eng. Abstr.) **(Rus)**
[Metabolic and humoral correlates of sleep] Vein AM, et al. **Usp Sovrem Biol** 75:295-313, Mar-Apr 73 (155 ref.) **(Rus)**
[Effect of hypodynamia in different microclimatic conditions on the glucocortcoid activity of the adrenal cortex] Viazitskiĭ PO, et al. **Voen Med Zh** 5:57-8, May 72 **(Rus)**
[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al. **Vopr Onkol** 18:19-22, 1972 **(Rus)**
[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al. **Ginecol Obstet (Lima)** 33:301-11, Mar 73 (Eng. Abstr.) **(Spa)**

HYDROXYCORTICOSTEROIDS

BIOSYNTHESIS

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al. **Acta Endocrinol (Kbh)** 73:80-90, May 73
Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem** 4:205-15, Mar 73
The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem** 4:129-37, Mar 73

BLOOD

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem** 4:205-15, Mar 73

ISOLATION & PURIFICATION

Isolation and identification of 16alpha, 18-dihydroxydeoxycorticosterone from human adrenal gland incubations. Dale SL, et al. **Steroids** 21:617-32, May 73

METABOLISM

Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction. Müller J, et al. **Acta Endocrinol (Kbh)** 73:80-90, May 73
Oxidative reactions in the formation of an aldehyde group in the biosynthesis of aldosterone. Marusic ET, et al. **Arch Biochem Biophys** 157:320-1, Jul 73
[Renal metabolism of 18-hydroxycorticosterone] Antreassian J, et al. **C R Acad Sci [D] (Paris)** 275:1423-5, 25 Sep 72 **(Fre)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Penetration of various labelled steroids into human skin] Zesch A, et al.
Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73

17-KETOSTEROIDS

ANALYSIS

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al.
J Physiol (Paris) 65:Suppl 3:451A+, 1972 (Fre)

BIOSYNTHESIS

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73

BLOOD

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

Falsely high fluorescence in cortisol determinations due to the carbamazepine. Radó JP.
Horm Metab Res 5:63, Jan 73

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al.
J Physiol (Paris) 65:Suppl 3:451A+, 1972 (Fre)

[Histological study of the placenta and basal decidua in habitual abortion caused by hyperandrogenism. Spontaneously interrupted pregnancies during the 1st 6 months and pregnancies treated successfully by corticotherapy] Badarau L, et al.
Rev Fr Gynecol Obstet 67:685-97, Dec 72 (Eng. Abstr.) (Fre)

METABOLISM

Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al.
Am J Obstet Gynecol 116:981-4, 1 Aug 73

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al.
Biochim Biophys Acta 306:227-36, 24 May 73

The metabolism of androgens in normal human testis and epididymis in vitro. Sulcová J, et al.
Endocrinol Exp (Bratisl) 7:113-8, 1973

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD.
Endocrinology 93:172-81, Jul 73

The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al.
J Clin Endocrinol Metab 36:1180-8, Jun 73

Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73

Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Djoseland O, et al. Steroids 21:773-83, Jun 73

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al.
Steroids 21:813-32, Jun 73

PHARMACODYNAMICS

Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: comparison of four naturally occurring androgens. Luttge WG, et al.
Behav Biol 8:725-32, Jun 73

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73

[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)

URINE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. Acta Pathol Jap 22:779-802, Nov 72

46,XX Turner's syndrome. Ansari AH, et al.
Am J Obstet Gynecol 116:415-22, 1 Jun 73

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73

Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73

Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al.
Biol Psychiatry 6:23-36, Feb 73

Prediction of 1-year survival after resection of lung tumours from the preoperative steroid excretion pattern. Rao LG. Br J Surg 59:977-9, Dec 72

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. Cancer 32:31-7, Jul 73

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insufficency. Vieweg WV, et al.
Cancer 31:1240-3, May 73

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW.
Clin Chem 19:706-9, Jul 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. Clin Chim Acta 45:9-18, 19 Apr 73

A case of transient hypoglycemia and hyperglycemia in a full-term neonate. A case study suggesting CNS causation. Aziz EM, et al.
Clin Pediatr (Phila) 12:363-6, Jun 73

Changes in urinary free catecholamines and 17-ketosteroids with cerebral electrotherapy (electrosleep). Briones DF, et al.
Dis Nerv Syst 34:57-8, Jan 73

Gas chromatographic determination of urinary excretion of testosterone, epitestosterone, and androstenedione in pre-adolescent and adolescent children. Dalzell DP, et al.
J Clin Endocrinol Metab 36:1237-43, Jun 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. J Clin Endocrinol Metab 37:93-100, Jul 73

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al.
J Endocrinol 57:317-24, May 73

Intrasellar or pituitary abscess. Lindholm J, et al.
J Neurosurg 38:616-9, May 73

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73

Urinary steroid profile in vitamin-E-deficient rats. Pinelli A, et al. Pharmacology 9:201-3, 1973

[Diagnostic value of serum ACTH in certain endocrine diseases] Kolarov P, et al.
Vutr Boles 12:68-74, 1973 (Eng. Abstr.) (Bul)

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) (Bul)

[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)

[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al.
J Urol Nephrol (Paris) 78:1023-7, Dec 72 (Fre)

[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.

Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)

[Adrenal cortex and thyroid gland activity in alcoholism and polytoxicomania] Klempel K. Nervenarzt 44:268-72, May 73 (Ger)

[Hypocholesteremia in idiopathic hirsutism] Noseda G, et al. Schweiz Med Wochenschr 103:931-4, 30 Jun 73 (Eng. Abstr.) (Ger)

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al. Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

[Fractionation of 17-KS and measurement of pregnanediol and pregnanetriol by gas chromatography] Funao T, et al. Clin Endocrinol (Tokyo) 20:1007-13, Nov 72 (Jap)

[Virilizing adrenal tumor with a borderline increase in urinary 17-ketosteroid levels] Toledo SP, et al. Rev Assoc Med Bras 19:21-4, Jan 73 (Eng. Abstr.) (Por)

[What is the value of biochemical tests in the diagnosis of cancer of the prostate?] Niculescu I, et al. Chirurgia (Bucur) 21:697-701, Aug 72 (Rum)

[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al. Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)

[Pathogenetic therapy of dyshormonal hyperplasia of the male breasts] Sidorenko LN, et al. Vopr Onkol 18:27-31, 1972 (Eng. Abstr.) (Rus)

[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al. Vopr Onkol 18:19-22, 1972 (Rus)

[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al. Ginecol Obstet (Lima) 33:301-11, Mar 73 (Eng. Abstr.) (Spa)

[Paucisymptomatic partial 21-hydroxylase deficiency (hirsutism)] Aznar Reig A, et al. Rev Clin Esp 129:143-56, 30 Apr 73 (Eng. Abstr.) (Spa)

KETOSTEROIDS

Affinity labeling of the active sites of delta 5 -ketosteroid isomerase using photoexcited natural ligands. Martyr RJ, et al. Biochemistry 12:2172-8, 22 May 73

The steric course with respect to the reduced nicotinamide-adenine dinucleotide of the reduction of 3-oxo steroids catalysed by cortisone reductase. Gibb W, et al. Eur J Biochem 34:395-400, Apr 73

Oxidation of 21-dehydrocorticosteroids to steroidal 20-oxo-21-oic acids by ketoaldehyde dehydrogenase of sheep liver. Monder C, et al. J Steroid Biochem 4:153-62, Mar 73

Use of CT1341 anaesthetic ("Saffan") in monkeys. Box PG, et al. Lab Anim 7:161-70, May 73

Influence of the polar group on interactions between phospholipids and sterols in monolayers. Rapid decomposition of phosphatidylethanolamines and cholesterol in monolayers at pH 11.9. Ghosh D, et al. Lipids 8:61-4, Feb 73

Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. Proc Soc Exp Biol Med 143:422-6, Jun 73

[Experiences with the new steroid anaesthetic CT 1341] Hempelmann G, et al. Anaesthesist 22:142-6, Apr 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Central nervous system effects of althesin (CT 1341): a new steroid anaesthetic agent. Kavan EM, et al. Can Anaesth Soc J 20:528-38, Jul 73

Use of CT1341 anaesthetic ("Saffan") in monkeys. Box PG, et al. Lab Anim 7:161-70, May 73

[Antagonism of chlortestosterone acetate in liver steatosis in rats following ethionine] Moretti A, et al. Arzneim Forsch 23:612-4, Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al. J Steroid Biochem 4:181-91, Mar 73

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate. Roushdi IM, et al. Pharmazie 28:41-2, Jan 73

BIOSYNTHESIS

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. J Steroid Biochem 4:129-37, Mar 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. J Steroid Biochem 4:217-26, Mar 73

Induction of steroidogenesis in tissue culture by cholera enterotoxin. Donta ST, et al. Nature [New Biol] 243:246-7, 20 Jun 73

BLOOD

[Content of total blood serum 11-oxyketosteroids in young children with Escherichia coli infections associated with pneumonia] Dushkin VN. Pediatriia 52:79-80, Jan 73 (Rus)

CHEMICAL SYNTHESIS

Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. J Med Chem 16:647-9, Jun 73

19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17 -hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. Shapiro EL, et al. J Med Chem 16:649-54, Jun 73

Steroids and related products. 39. The functionalization of the 17-methyl group of 17 -methyl steroids. II. The synthesis of 12 ,17 1 -epoxy-17 -methylprogesterone and of 20-oxygenated 17 -hydroxymethyl steroids. Engel CR, et al. Steroids 21:857-75, Jun 73

METABOLISM

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al. J Biol Chem 248:4987-97, 25 Jul 73

Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Djoseland O, et al. Steroids 21:773-83, Jun 73

[Penetration of various labelled steroids into human skin] Zesch A, et al. Arzneim Forsch 23:415-9, Mar 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The cardiorespiratory effects of Althesin and ketamine. A comparison. Savege TM, et al. Anaesthesia 28:391-9, Jul 73

Influence of subnarcotic doses of Althesin (CT1341) on pain induced by two types of pain stimulus. Morgan M, et al. Br J Anaesth 45:481-5, May 73

Central nervous system effects of althesin (CT 1341): a new steroid anaesthetic agent. Kavan EM, et al. Can Anaesth Soc J 20:528-38, Jul 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. J Biol Chem 248:4280-5, 25 Jun 73

Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. J Med Chem 16:647-9, Jun 73

19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17 -hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. Shapiro EL, et al. J Med Chem 16:649-54, Jun 73

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. J Pharmacol Exp Ther 185:686-95, Jun 73

Effect of potassium canrenoate on cardiac functions and (Na + + K +)-activated ATPase. Baskin SI, et al. Proc Soc Exp Biol Med 143:495-8, Jun 73

The effect of CT 1341, a new steroid anesthetic, on the isolated heart muscle. Iwatsuki N. Tohoku J Exp Med 109:69-75, Jan 73

[Antagonism of chlortestosterone acetate in liver

LIBRARY U. OF I., URBANA-CHAMPAIGN

KETOSTEROIDS

steatosis in rats following ethionine] Moretti A, et al. **Arzneim Forsch 23:612-4, Apr 73 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

New drugs of 1972. Hussar DA. **Am J Pharm 145:5-16, Jan 73**

URINE

Urinary metabolites of DL-norgestrel in women. Sisenwine SP, et al. **Acta Endocrinol (Kbh) 73:91-104, May 73**

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta 45:9-18, 19 Apr 73**

METHYLPREDNISOLONE

Evaluation of kidney-preservation methods. Miller HC, et al. **Lancet 1:880-1, 21 Apr 73**

[Significance and therapy of glaucoma] Bietti GB. **Klin Monatsbl Augenheilkd 162:281-95, Mar 73 (Eng. Abstr.) (Ger)**

ADMINISTRATION & DOSAGE

Complications from intrathecal steroid therapy in patients wsith multiple sclerosis. Nelson DA, et al. **Acta Neurol Scand 49:176-88, 1973**

Extradural corticosteroid injection in management of lumbar nerve root compression. Dilke TF, et al. **Br Med J 2:635-7, 16 Jun 73**

A clinical study of methylprednisolone acetate (Depo-Medrol) in the treatment of pain and inflammation associated with various foot disorders. Helfand AE. **J Am Podiatry Assoc 63:287-92, Jul 73**

Long-term functional success following freezing of canine kidneys. Dietzman RH, et al. **Surgery 74:181-9, Aug 73**

Combination drug treatment in immunosuppression. Effect of azathioprine, cyclophosphamide, and methylprednisolone on rabbit renal allografts. Friedman EA, et al. **Transplantation 15:619-23, Jun 73**

Protective effect of methylprednisolone against ischemic injury to the kidney. Miller HC, et al. **Transplantation 16:57-60, Jul 73**

[Corticosteroid treatment of the asthmatic syndrome. Trial of a micronized methyl-prednisolone preparation] Rossano P, et al. **Minerva Med 64:1543-50, 30 Apr 73 (Eng. Abstr.) (Ita)**

ADVERSE EFFECTS

Complications from intrathecal steroid therapy in patients wsith multiple sclerosis. Nelson DA, et al. **Acta Neurol Scand 49:176-88, 1973**

Extradural corticosteroid injection in management of lumbar nerve root compression. Dilke TF, et al. **Br Med J 2:635-7, 16 Jun 73**

PHARMACODYNAMICS

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al. **Atherosclerosis 17:515-22, May-Jun 73**

Salutary effect of methyl prednisolone on viability of heart muscle exposed to anoxia. Jewitt DE, et al. **Br Heart J 35:550-1, May 73**

In vitro studies of the cell-bound and antibody-mediated immunity evoked by murine renal allotransplants. Influence of presensitization, total body irradiation and immunosuppressive agents. Husberg BS. **Clin Exp Immunol 14:271-92, Jun 73**

Hippocampal epilepsy produced by ouabain. Studies of cerebral circulation and ionic metabolism. Baldy-Moulinier M, et al. **Eur Neurol 9:333-48, 1973**

The pulmonary microcirculation in endotoxin-shocked dogs: effect of phenoxybenzamine and methylprednisolone on the precapillary and postcapillary resistances. Motsay GJ, et al. **J Surg Res 14:406-11, May 73**

Combination drug treatment in immunosuppression. Effect of azathioprine, cyclophosphamide, and methylprednisolone on rabbit renal allografts. Friedman EA, et al. **Transplantation 15:619-23, Jun 73**

Protective effect of methylprednisolone against ischemic injury to the kidney. Miller HC, et al. **Transplantation 16:57-60, Jul 73**

THERAPEUTIC USE

Pustular necrotizing angiitis. Diaz LA, et al. **Arch Dermatol 108:114-8, Jul 73**

Increased intracranial pressure in disseminated lupus erythematosus. Silberberg DH, et al. **Arch Neurol 29:88-90, Aug 73**

Salutary effect of methyl prednisolone on viability of heart muscle exposed to anoxia. Jewitt DE, et al. **Br Heart J 35:550-1, May 73**

Iris involvement in leukaemia. Johnston SS, et al. **Br J Ophthalmol 57:320-4, May 73**

Extradural corticosteroid injection in management of lumbar nerve root compression. Dilke TF, et al. **Br Med J 2:635-7, 16 Jun 73**

A clinical study of methylprednisolone acetate (Depo-Medrol) in the treatment of pain and inflammation associated with various foot disorders. Helfand AE. **J Am Podiatry Assoc 63:287-92, Jul 73**

Acute adenopathy in a young man. Gottlieb LS, et al. **JAMA 224:1737-46, 25 Jun 73**

Long-term functional success following freezing of canine kidneys. Dietzman RH, et al. **Surgery 74:181-9, Aug 73**

Clinical segmental pancreatic transplantation with ureter-pancreatic duct anastomosis for exocrine drainage. Gliedman ML, et al. **Surgery 74:171-80, Aug 73**

[Corticosteroid treatment of the asthmatic syndrome. Trial of a micronized methyl-prednisolone preparation] Rossano P, et al. **Minerva Med 64:1543-50, 30 Apr 73 (Eng. Abstr.) (Ita)**

[Clinico-therapeutic considerations on 2 cases of hyperacute meningococcal sepsis] Berardi G, et al. **Minerva Pediatr 25:701-4, 28 Apr 73 (Ita)**

[Shock and adrenal cortex hormones] Goto Y. **Jap J Anesthesiol 22:138-44, Feb 73 (Jap)**

MINERALOCORTICOIDS

A filter assay for steroid hormone receptors. Santi DV, et al. **Biochemistry 12:2412-6, 19 Jun 73**

ANTAGONISTS & INHIBITORS

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. **J Pharmacol Exp Ther 185:686-95, Jun 73**

METABOLISM

Genetic control of blood pressure and corticosteroid production in rats. Rapp JP, et al. **Circ Res 32:Suppl 1:139-49, 5 May 73**

PHYSIOLOGY

[Role of the adrenal glands in secretion of jejunum Paneth cells in the hamster. Influence of glycocorticoids] Balas D. **C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fre)**

PREDNISOLONE

Dissolution-dialysis method of assessing in vitro drug availability of prednisolone tablets. Northern RE, et al. **Am J Hosp Pharm 30:622-7, Jul 73**

Attempted induction of sarcoma in a Cape Chacma baboon with the Snyder-Theilen feline sarcoma virus. Van der Riet F de S, et al. **S Afr Med J 47:943-4, 9 Jun 73**

ADMINISTRATION & DOSAGE

Physiopathological considerations in the treatment of coal workers' pneumoconiosis. Ulmer WT, et al. **Ann NY Acad Sci 200:833-42, 29 Dec 72**

Comparative trial of 2 weeks and 8 weeks cyclophosphamide in steroid-sensitive relapsing nephrotic syndrome of childhood. Barratt TM, et al. **Arch Dis Child 48:286-90, Apr 73**

Cyclic chemotherapy in acute lymphoblastic leukaemia of childhood: 5-year survivals. Vowels MR, et al. **Arch Dis Child 48:436-40, Jun 73**

Comparison of therapeutic and immunosuppressive effects of azathioprine, prednisolone and combined therapy in NZP-NZW mice. Hahn BH, et al. **Arthritis Rheum 16:163-70, Mar-Apr 73**

The spread of solutions injected into the epidural space. A study using epidurograms in patients with

the lumbosciatic syndrome. Burn JM, et al. **Br J Anaesth** 45:338-45, Apr 73

Stromal herpes, I.D.U. and steroids. DuToit MM. **Can J Ophthalmol** 8:63-7, Jan 73

Prolonged release hydrocortisone therapy. Lerman S, et al. **Can J Ophthalmol** 8:114-8, Jan 73

Corticosteroid treatment of Bell's palsy. **Can Med Assoc J** 108:818, 7 Apr 73

Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ. **Clin Endocrinol (Oxf)** 1:65-72, Jan 72

Comparative efficacy of pheniramine maleate and a combination of pheniramine maleate with prednisolone in reducing histamine induced triple response of the skin. Vakil BJ, et al. **Indian J Med Sci** 27:114-9, Feb 73

Radioimmunoassay for prednisolone. Colburn WA, et al. **Steroids** 21:833-46, Jun 73

[Therapy and mortality in asthmatic crisis. Supplementations and remarks on R. Schindl, Münch med. Wschr. 114(1972)34,1445] Bopp KP, et al. **Munch Med Wochenschr** 115:731-2, 20 Apr 73 (Ger)

[Intermittent tosstherapy of plasmacytoma with melphalan and predniso(lo)ne] Braun HJ. **Minerva Med** 64:679-82, 14 Mar 73 (Ita)

ADVERSE EFFECTS

[Tuberculosis following corticosteroid treatment] Marinov M. **Vutr Boles** 12:74-7, 1973 (Eng. Abstr.) (Bul)

[Iatrogenic esophageal ulcer] De Witte C, et al. **J Belge Radiol** 55:655-6, Nov-Dec 72 (Fre)

[Liver changes in leukoses and malignant lymphomas with reference to cytostatic therapy] Morgenstern D, et al. **Folia Haematol (Leipz)** 98:215-20, 1972 (Eng. Abstr.) (Ger)

BLOOD

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Kinetic studies of cortisol and synthetic corticosteroids in man. Fell PJ. **Clin Endocrinol (Oxf)** 1:65-72, Jan 72

Radioimmunoassay for prednisolone. Colburn WA, et al. **Steroids** 21:833-46, Jun 73

DIAGNOSTIC USE

Phenylalanine loading and aromatic acid excretion in normal subjects and heterozygotes for phenylketonuria. Blau K, et al. **Clin Chim Acta** 45:197-205, 18 May 73

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al. **Biochem Pharmacol** 22:1195-201, 15 May 73

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. **Experientia** 29:689, 15 Jun 73

Influence of sodium taurocholate, cholestyramine, and mylanta on the intestinal absorption of glucocorticoids in the rat. Ware AJ, et al. **Gastroenterology** 64:1150-5, Jun 73

PHARMACODYNAMICS

Effect of topical prednisolone and acetic acid on the antral phase of gastric secretion. Aubrey DA, et al. **Am J Surg** 125:676-80, Jun 73

The pulmonary response to coal dust. Gross P, et al. **Ann NY Acad Sci** 200:155-65, 29 Dec 72

Effects of steroids, folate deprivation and protein deprivation upon tetrahydrofolate dehydrogenase levels in mammalian tissues. Makulu DR, et al. **Biochim Biophys Acta** 304:526-32, 28 Apr 73

Experimental evaluation of various methods used for prolongation of skin homografts--studies done in rats and rabbits. Gupta RL, et al. **Indian J Med Res** 60:1196-204, Aug 72

Stress relaxation in rat skin after treatment with hormones. Vogel HG. **J Med (Basel)** 4:19-27, 1973

Fucidin-resistant staphylococci in current hospital practice. Pattison JR, et al. **J Med Microbiol** 6:235-44, May 73

Serum and cellular factor involvement in nitroblue tetrazolium (NBT) reduction by human neutrophils. Nydegger UE, et al. **Klin Wochenschr** 51:377-82, 15 Apr 73

[Regneration of mouse kidney after damage by folic acid, whole body x-ray irradiation, 2,4,6-triethyl enimino-1,3,5-triazine, and polyanions] Tempel K, et al. **Arzneim Forsch** 22:2126-8, Dec 72 (Eng. Abstr.) (Ger)

[Age associated factor in the risk of tumor development] Dil'man VM. **Vopr Onkol** 19:101-11, May 73 (Rus)

STANDARDS

Dissolution-dialysis method of assessing in vitro drug availability of prednisolone tablets. Northern RE, et al. **Am J Hosp Pharm** 30:622-7, Jul 73

THERAPEUTIC USE

Effect of corticosteroids on eosinophil leukocytes in hypereosinophilic syndromes. Kelényi G, et al. **Acta Haematol (Basel)** 49:235-41, 1973

Physiopathological considerations in the treatment of coal workers' pneumoconiosis. Ulmer WT, et al. **Ann NY Acad Sci** 200:633-42, 29 Dec 72

Bacteriuria in rheumatoid arthritis. Burry HC. **Ann Rheum Dis** 32:208-11, May 73

Comparative trial of 2 weeks and 8 weeks cyclophosphamide in steroid-sensitive relapsing nephrotic syndrome of childhood. Barratt TM, et al. **Arch Dis Child** 48:286-90, Apr 73

Cyclic chemotherapy in acute lymphoblastic leukaemia of childhood: 5-year survivals. Vowels MR, et al. **Arch Dis Child** 48:436-40, Jun 73

Endothelial rejection in human transplants. Levenson JE, et al. **Arch Ophthalmol** 89:489-92, Jun 73

Comparison of therapeutic and immunosuppressive effects of azathioprine, prednisolone and combined therapy in NZP-NZW mice. Hahn BH, et al. **Arthritis Rheum** 16:163-70, Mar-Apr 73

Systemic lupus erythematosus in a Chinese woman presenting with gangrene of the fingers. Cheah JS. **Aust NZ J Med** 3:197-9, Apr 73

Idiopathic thrombocytopenic purpura in children: results of steroid therapy and splenectomy. Beham ES, et al. **Aust Paediatr J** 8:311-7, Dec 72

Toxic epidermal necrolysis associated with pentazocine therapy and severe reversible renal failure. Hunter JA, et al. **Br J Dermatol** 88:287-90, Mar 73

A case of bullous pemphigoid and figurate erythema in association with metastatic spread of carcinoma. Saikia NK, et al. **Br J Dermatol** 88:331-4, Apr 73

Toxic epidermal necrolysis provoked by barbiturates. Stüttgen G. **Br J Dermatol** 88:291-3, Mar 73

Retinal arteritis complicating herpes zoster ophthalmicus. Brown RM, et al. **Br J Ophthalmol** 57:344-6, May 73

Retinal embolism after hysterosalpingography. Charawanamuttu AM, et al. **Br J Ophthalmol** 57:166-9, Mar 73

Pigment fallout and uveitis after cryotherapy. Chignell AH, et al. **Br J Ophthalmol** 57:156-65, Mar 73

Anterior uveitis in Bantu children. Freedman J. **Br J Ophthalmol** 57:355-8, May 73

Malignant optic nerve glioma. Report of a case with electron microscope study. Hamilton AM, et al. **Br J Ophthalmol** 57:253-64, Apr 73

Iris involvement in leukaemia. Johnston SS, et al. **Br J Ophthalmol** 57:320-4, May 73

Sarcoid of the testis. Chowdhury SD, et al. **Br J Urol** 45:218-20, Apr 73

Adrenal failure in bronchial asthma. Cayton RM, et al. **Br Med J** 2:547, 2 Jun 73

Cyclophosphamide in treatment of systemic lupus erythematosus: 7 years' experience. Feng PH, et al. **Br Med J** 2:450-2, 26 May 73

Systemic lupus erythematosus syndrome induced by practolol. Raftery EB, et al. **Br Med J** 2:452-5, 26 May 73

Stromal herpes, I.D.U. and steroids. DuToit MM. **Can J Ophthalmol** 8:63-7, Jan 73

Prolonged release hydrocortisone therapy. Lerman S, et al. **Can J Ophthalmol** 8:114-8, Jan 73

Optimism in leukemia treatment. **Can Med Assoc J** 108:821, 7 Apr 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PREDNISOLONE

Corticosteroid treatment of Bell's palsy.
Can Med Assoc J 108:818, 7 Apr 73

Optic neuritis in children infectious mononucleosis as an etiology. Frey T.
Doc Ophthalmol 34:183-8, 21 Feb 73

Growth hormone secretion in children during corticosteroid treatment. Responses to arginine. Gacs G, et al. **Horm Metab Res** 5:106-8, Mar 73

Comparative efficacy of pheniramine maleate and a combination of pheniramine maleate with prednisolone in reducing histamine induced triple response of the skin. Vakil BJ, et al.
Indian J Med Sci 27:114-9, Feb 73

Prognosis of Guillain-Barré syndrome in the African: the Nigerian experience. Osuntokun BO, et al.
J Neurol Neurosurg Psychiatry 36:478-83, Jun 73

Acute leukemia presenting as a breast mass. Geelhoed GW, et al. **JAMA** 223:1488-9, 26 Mar 73

The nonoperative treatment of surgical conditions in children. Ravitch MM. **Pediatrics** 57:435-53, Mar 73

Neuro-ophthalmic presentations of sarcoidosis. Kirkham TH. **Proc R Soc Med** 66:167-9, Feb 73

Complications associated with the radiotherapy of thymic tumours. Skeggs DB.
Proc R Soc Med 66:155-7, Feb 73

Reticulosarcoma of the vulva complicating dermatomyositis treated by immunosuppression. Wishart JM. **Proc R Soc Med** 66:330, Apr 73

Primary aplastic anaemia in pregnancy. Oram RH, et al.
S Afr Med J 46:1738-40, 11 Nov 72

Immunoglobulin IgE concentrations in an adult clinical material with chronic obstructive pulmonary disease. Dahlström G, et al. **Scand J Respir Dis** 54:73-7, 1973

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**

[Activity of methionine synthetase (5-methyl-5,6,7,8-tetrahydrofolate: homocysteine methyltransferase) as a proliferation parameter in growing cells] Sauer H, et al.
Acta Haematol (Basel) 49:200-10, 1973 (Eng. Abstr.) **(Ger)**

[Hepatitis--therapy in practice] Harasek G.
Paediatr Paedol 8:319-21, 1973 **(Ger)**

[Pathogenesis of the septic-toxic shock] Bartel J.
Z Aerztl Fortbild (Jena) 66:753-8, 1 Aug 72 (49 ref.) **(Ger)**

[Diagnosis of an early stage of Wissler's allergic subsepsis in adults] Lang H, et al.
Z Aerztl Fortbild (Jena) 66:1106-8, 1 Nov 72 **(Ger)**

[Cortisone treatment of entry and exit block in permanent demand endocardial pacing] Antonioli G, et al. **G Ital Cardiol** 3:255-62, 1973 (Eng. Abstr.) **(Ita)**

[Polychemotherapy of acute leukemias in children and young persons] Oehme J, et al.
Minerva Med 64:855-60, 14 Mar 73 **(Ita)**

[Atrioventricular blockade and its treatment in acute myocardial infarct] Doshchitsin VL, et al.
Kardiologiia 13:29-35, Apr 73 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effectiveness of prednisolone and indotsid in the treatment of experimental autoimmune glomerulonephritis] Bykovskaia KN, et al.
Patol Fiziol Eksp Ter 17:14-20, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Errors in the treatment of infants with drip infusions of electrolyte solutions] Vodkaĭlo ShI.
Pediatriia 52:29-33, Jan 73 **(Rus)**

[Diagnosis and treatment of tuberculosis of the mesenteric lymph nodes] Umanskiĭ. II.
Sov Med 35:116-9, Apr 72 **(Rus)**

[General and local hormone therapy in otorhinolaryngology] Mlechin BM.
Vestn Otorinolaringol 34:109-14, Jul-May 73 **(Rus)**

[Functional state of the liver in lymphogranulomatosis during drug and radiation treatment] Danova LA, et al. **Vopr Onkol** 18:43-7, 1972 (Eng. Abstr.) **(Rus)**

PREDNISOLONE, TOPICAL

ADMINISTRATION & DOSAGE

A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid. Gentry WC Jr, et al. **Arch Dermatol** 107:870-1, Jun 73

ADVERSE EFFECTS

A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid. Gentry WC Jr, et al. **Arch Dermatol** 107:870-1, Jun 73

[Change in some of the protective properties of the skin under the effect of corticosteroid therapy] Strizhonok VP.
Vestn Dermatol Venerol 47:68-70, Apr 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

New drugs of 1972. Hussar DA.
Am J Pharm 145:5-16, Jan 73

A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid. Gentry WC Jr, et al. **Arch Dermatol** 107:870-1, Jun 73

PREDNISONE

Carbohydrate tolerance in patients with granuloma annulare. Study of fifty-two cases. Haim S, et al.
Br J Dermatol 88:447-51, May 73

Effect of prednisone on the noradrenaline-indeced cell proliferation in the arterial wall. Cavallero C, et al.
Experientia 29:703-4, 15 Jun 73

ADMINISTRATION & DOSAGE

Cyclophosphamide therapy in systemic lupus erythematosus and polymyositis. Fries JF, et al.
Arthritis Rheum 16:154-62, Mar-Apr 73

Daunorubicin-prednisone remission induction with hydroxyurea maintenance in acute non-lymphocytic leukemia. Bloomfield CD, et al.
Cancer 31:931-8, Apr 73

Double blind trial of prednisone, in low dose, in patients with chronic airways obstruction. Evans JA, et al. **Clin Sci** 44:26P, Jun 73

Angiographic resolution of a neonatal intracranial cavernous hemangioma coincident with steroid therapy. Case report. Prensky AL, et al.
J Neurosurg 39:99-103, Jul 73

Reversible drug-induced sterility in a patient with acute leukemia. Hinkes E, et al.
JAMA 223:1490-1, 26 Mar 73

Maintenance chemotherapy for advanced Hodgkin's disease in remission. Young RC, et al.
Lancet 1:1339-43, 16 Jun 73

Radioimmunoassay for prednisolone. Colburn WA, et al. **Steroids** 21:833-46, Jun 73

Combination chemotherapy in disseminated carcinoma of the breast. Kaufman S, et al.
Surg Gynecol Obstet 137:83-6, Jul 73

Synergism between alloantibodies or F(ab') 2 and prednisone in the survival of murine split heart allografts. Svehag SE, et al.
Transplantation 15:344-6, Mar 73

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al.
Helv Paediatr Acta 30:Suppl:17, 1973 **(Ger)**

[Intermittent tosstherapy of plasmacytoma with melphalan and predniso(lo)ne] Braun HJ.
Minerva Med 64:679-82, 14 Mar 73 **(Ita)**

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al.
Pol Arch Med Wewn 50:449-58, May 73 (Eng. Abstr.) **(Pol)**

[Use of depot preparations in the treatment of chronic inflammation of the maxillary sinus] Parkhomovskiĭ MA, et al.
Vestn Otorinolaringol 34:48-52, Jul-May 73 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Esophageal stenosis in benign mucous membrane pemphigoid. Minkin W, et al.
Ann Otol Rhinol Laryngol 82:384-5, May-Jun 73

Multiple cutaneous squamous cell carcinomas during immunosuppressive therapy. Westburg SP, et al.
Arch Dermatol 107:893-5, Jun 73

Cyclophosphamide therapy in systemic lupus erythematosus and polymyositis. Fries JF, et al.
Arthritis Rheum 16:154-62, Mar-Apr 73

Controlled trial of corticosteroids and azathioprine in active chronic hepatitis. Stern RB, et al.
Gut 14:419, May 73

Drug-induced arthropathy and necrosis of the femoral head. Solomon L.
J Bone Joint Surg [Br] 55:246-61, May 73

Angiographic resolution of a neonatal intracranial cavernous hemangioma coincident with steroid

therapy. Case report. Prensky AL, et al. **J Neurosurg** 39:99-103, Jul 73

Aspergillomatous abscesses of the brain and thyroid. Lisbona R, et al. **J Nucl Med** 14:541-2, Jul 73

Reversible drug-induced sterility in a patient with acute leukemia. Hinkes E, et al. **JAMA** 223:1490-1, 26 Mar 73

Steroid-induced mediastinal lipomatosis. Chong GC, et al. **Minn Med** 56:597-8, Jul 73

Combination chemotherapy in the treatment of advanced Hodgkin's disease. Sacks P, et al. **S Afr Med J** 47:903-7, 2 Jun 73

Analysis of some unusual and difficult visual field defects. Harrington DO. **Trans Ophthalmol Soc UK** 92:15-30, 1972

[Tuberculosis following corticosteroid treatment] Marinov M. **Vutr Boles** 12:74-7, 1973 (Eng. Abstr.) (Bul)

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al. **Helv Paediatr Acta** 30:Suppl:17, 1973 (Ger)

[Necrotizing arteritis in long-term glucocorticoid therapy] Krug K, et al. **Z Gesamte Inn Med** 28:123-5, 15 Apr 73 (Eng. Abstr.) (Ger)

[Acute renal failure due to acute adrenocortical failure following steroid treatment] Kaplicki M, et al. **Wiad Lek** 26:861-4, 1 May 73 (Eng. Abstr.) (Pol)

BLOOD

The diffusing capacity in asthma. Effect of airflow obstruction. Ohman JL Jr, et al. **Am Rev Respir Dis** 107:932-9, Jun 73

Radioimmunoassay for prednisolone. Colburn WA, et al. **Steroids** 21:833-46, Jun 73

DIAGNOSTIC USE

[Diagnosis of diabetic states in pregnancy] Heisig N. **Minerva Med** 64:1695-8, 5 May 73 (Ita)

PHARMACODYNAMICS

I. Electroretinographic changes in normal eyes during administration of prednisone. Zimmerman TJ, et al. **Ann Ophthalmol** 5:757-65, Jul 73

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al. **Atherosclerosis** 17:515-22, May-Jun 73

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al. **Experientia** 29:278-80, 15 Mar 73

Mismatched HL-A haplotypes with antigens HL-A1, 3, and 11 associated with excellent renal allograft function. Braun WE, et al. **Transplantation** 15:86-91, Jan 73

Synergism between alloantibodies or F(ab') 2 and prednisone in the survival of murine split heart allografts. Svehag SE, et al. **Transplantation** 15:344-6, Mar 73

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al. **Helv Paediatr Acta** 30:Suppl:17, 1973 (Ger)

THERAPEUTIC USE

Relapsing herpes zoster myelitis. Nyberg-Hansen R. **Acta Neurol Scand [Suppl]** 51:397-400, 1972

Lipid storage myopathy: a recognizable clinicopathological entity? Johnson MA, et al. **Acta Neuropathol (Berl)** 24:97-106, 18 Apr 73

Vertebral compression in childhood leukemia. Newman AJ, et al. **Am J Dis Child** 125:863-5, Jun 73

Crohn's disease: a clinical study of 75 patients. Arvanitakis C, et al. **Am J Gastroenterol** 59:532-40, Jun 73

Hypercalcemia and an elevated alkaline phosphatase level. **Am J Med** 54:751-60, Jun 73

Profound granulocytopenia associated with infectious mononucleosis. Habib MA, et al. **Am J Med Sci** 265:339-46, Apr 73

Massive hemorrhage associated with circulating antibodies to factor V. Onuora CA, et al. **Am J Med Sci** 265:407-17, May 73

Reversal of renal failure in Wegener's granulomatosis by heparin. Whitaker AN, et al. **Am J Med Sci** 265:399-406, May 73

Congenital hemangiomas of the skin with orbital and subglottic hemangiomas. Yee RD, et al. **Am J Ophthalmol** 75:876-9, May 73

Renal manifestations of leprosy: glomerulonephritis, a complication of erythema nodosum leprosum. Drutz DJ, et al. **Am J Trop Med Hyg** 22:496-502, Jul 73

Esophageal stenosis in benign mucous membrane pemphigoid. Minkin W, et al. **Ann Otol Rhinol Laryngol** 82:384-5, May-Jun 73

Unsuccessful fluorouracil treatment of recalcitrant pustular psoriasis. Barrett JL, et al. **Arch Dermatol** 108:135, Jul 73

Gold sodium thiomalate treatment of pemphigus. Penneys NS, et al. **Arch Dermatol** 108:56-60, Jul 73

Herpes gestationis. Histology and ultrastructure. Schaumburg-Lever G, et al. **Arch Dermatol** 107:888-92, Jun 73

Familial occurrence of pemphigus foliaceus. Voelter WW, et al. **Arch Dermatol** 108:93-4, Jul 73

Multiple cutaneous squamous cell carcinomas during immunosuppressive therapy. Westburg SP, et al. **Arch Dermatol** 107:893-5, Jun 73

Hepatitis affecting hemodialysis and transplant patients. Its considerations and consequences. Briggs WA, et al. **Arch Intern Med** 132:21-8, Jul 73

Adrenocortical steroid treatment of rheumatic diseases. Effects on lipid metabolism. Stern MP, et al. **Arch Intern Med** 132:97-101, Jul 73

Increased intracranial pressure in disseminated lupus erythematosus. Silberberg DH, et al. **Arch Neurol** 29:88-90, Aug 73

Endothelial rejection in human transplants. Levenson JE, et al. **Arch Ophthalmol** 89:489-92, Jun 73

Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Sievers DB, et al. **Arch Surg** 107:43-8, Jul 73

Cyclophosphamide therapy in systemic lupus erythematosus and polymyositis. Fries JF, et al. **Arthritis Rheum** 16:154-62, Mar-Apr 73

Immunopathologic significance of cartilage antigenic components in rheumatoid arthritis. Herman JH, et al. **Arthritis Rheum** 16:287-97, May-Jun 73

Polyarthritis and subcutaneous nodules associated with carcinoma of the pancreas. Virshup AM, et al. **Arthritis Rheum** 16:388-92, May-Jun 73

Bone-marrow lymphocytes in acute lymphoid leukaemia: effect of therapeutic regimes. Pushpa V, et al. **Biomedicine** 19:11-5, 20 Jan 73

Autoimmune hemolytic anemia during pregnancy with hemolytic disease in the newborn. Baumann R, et al. **Blood** 41:293-7, Feb 73

Acute leukemia with C-G chromosome translocation. Hinkes E, et al. **Blood** 41:259-63, Feb 73

Livedo with ulceration. Jones BR. **Br J Dermatol** 88:202-4, Feb 73

Relapsing polychondritis. Rowell NR, et al. **Br J Dermatol** 88:387-90, Apr 73

Prothrombin during warfarin treatment. Brozović M, et al. **Br J Haematol** 24:579-88, May 73

Pregnancy and idiopathic autoimmune haemolytic anaemia: a prospective study during 6 months gestation and 3 months post-partum. Chaplin H Jr, et al. **Br J Haematol** 24:219-29, Feb 73

Changing cytokinetic patterns of human leukaemic lymphoblasts during the course of the disease, studied in vivo. Karle H, et al. **Br J Haematol** 24:231-44, Feb 73

A three-year study of adolescent boys suffering from haemophilia and allied disorders. Rainsford SG, et al. **Br J Haematol** 24:539-51, May 73

Variations in the red cells in paroxysmal nocturnal haemoglobinuria. Rosse WF. **Br J Haematol** 24:327-42, Mar 73

Solar retinopathy from sun-gazing under the influence of LSD. Schatz H, et al. **Br J Ophthalmol** 57:270-3, Apr 73

Giant-cell arteritis: ophthalmic and systemic considerations. Johnston AC. **Can J Ophthalmol** 8:38-46, Jan 73

Treatment of renal failure from diabetic nephropathy with cadaveric homograft. Beaudry C, et al. **Can Med Assoc J** 108:887-8 passim, 7 Apr 73

Miliary tuberculosis in British Columbia. Campbell IG. **Can Med Assoc J** 108:1517-9 passim, 23 Jun 73

Daunorubicin-prednisone remission induction with hydroxyurea maintenance in acute non-lymphocytic

LIBRARY U. OF I., URBANA-CHAMPAIGN

leukemia. Bloomfield CD, et al. **Cancer** 31:931-8, Apr 73

Hypersplenism in a child with acute lymphatic leukemia. Crist WM, et al. **Cancer** 31:1328-30, Jun 73

Infection during induction of remission in acute lymphocytic leukemia. Hughes WT, et al. **Cancer** 31:1008-14, Apr 73

Extra-axial spread of medulloblastoma. Lewis MB, et al. **Cancer** 31:1287-97, May 73

MOPP chemotherapy for advanced Hodgkin's disease. Prognostic factors in 81 patients. Moore MR, et al. **Cancer** 32:52-60, Jul 73

Pomp combination chemotherapy of adult acute leukemia. Rodriguez V, et al. **Cancer** 32:69-75, Jul 73

Hemangiosarcoma and pathologic rupture of the spleen. Stutz FH, et al. **Cancer** 31:1213-5, May 73

Short- and long-term prophylaxis with cromolyn sodium in chronic asthma. Hyde JS, et al. **Chest** 63:875-80, Jun 73

A clinical index of disability due to chronic asthma tested during a trial of cromolyn sodium treatment. Toogood JH, et al. **Chest** 63:881-8, Jun 73

Bronchial stenosis in chronic sarcoidosis. Westcott JL, et al. **Chest** 63:893-7, Jun 73

Simultaneous competitive protein binding assay for cortissol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Double blind trial of prednisone, in low dose, in patients with chronic airways obstruction. Evans JA, et al. **Clin Sci** 44:26P, Jun 73

Response to therapy confirms diagnosis. **Geriatrics** 28:52 passim, Jul 73

Leucocyte migration studies with spleen preparations in Crohn's disease. Richens ER, et al. **Gut** 14:376-9, May 73

Controlled trial of corticosteroids and azathioprine in active chronic hepatitis. Stern RB, et al. **Gut** 14:419, May 73

An immunological approach to the treatment of malignant disease. Chisholm M. **Ir J Med Sci** 100-7, May 73

Multiple lymphomatous polyposis of the gastrointestinal tract. Halkin H, et al. **Isr J Med Sci** 9:648-54, May 73

"Polymyositis" with involvement of facial and distal musculature. One form of the fascioscapulohumeral syndrome? Bates D, et al. **J Neurol Sci** 19:105-8, May 73

Angiographic resolution of a neonatal intracranial cavernous hemangioma coincident with steroid therapy. Case report. Prensky AL, et al. **J Neurosurg** 39:99-103, Jul 73

Reversible drug-induced sterility in a patient with acute leukemia. Hinkes E, et al. **JAMA** 223:1490-1, 26 Mar 73

Microangiopathy of the retinal arterioles. Pfaffenbach DD, et al. **JAMA** 225:480-3, 30 Jul 73

Hormone therapy for malignant myeloma. Kiang DT, et al. **Lancet** 2:147-8, 21 Jul 73

Maintenance chemotherapy for advanced Hodgkin's disease in remission. Young RC, et al. **Lancet** 1:1339-43, 16 Jun 73

Luetic deafness. Hendershot EL. **Laryngoscope** 83:865-70, Jun 73

Steroid-induced mediastinal lipomatosis. Chong GC, et al. **Minn Med** 56:597-8, Jul 73

The effect of treatment with prednisone and nitrogen mustard on the renal lesions and life span of patients with lupus glomerulonephritis. Dillard MG, et al. **Nephron** 10:273-91, 1973

Hypercalcemia associated with chronic lymphocytic leukemia. Treatment with mithramycin. De Souza e Silva NA, et al. **Postgrad Med** 53:129-34, Jun 73

Case for diagnosis: leukocytoclastic vasculitis. Connor B. **Proc R Soc Med** 66:438-40, May 73

Desquamative interstitial pneumonia. Report of a case. Nicolaescu V, et al. **Rev Roum Med Intern** 9:491-7, 1972

Combination chemotherapy in the treatment of advanced Hodgkin's disease. Sacks P, et al. **S Afr Med J** 47:903-7, 2 Jun 73

Combination chemotherapy in disseminated carcinoma of the breast. Kaufman S, et al. **Surg Gynecol Obstet** 137:83-6, Jul 73

Management of neuritis in leprosy. Pfaltzgraff RE. **Trop Doct** 3:138-9, Jul 73

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh. **Vutr Boles** 12:28-41, 1973 (Eng. Abstr.) **(Bul)**

[Idiopathic pulmonary hemosiderosis. Description of 3 patients and a review of the literature] Le Maire PA. **Maandschr Kindergeneeskd** 41:53-65, Apr 73 (Eng. Abstr.) **(Dut)**

[Cryptococcosis with hyphal forms. A study of the varieties seen in a human cutaneous lesion] Noël H. **Ann Anat Pathol (Paris)** 17:509-16, Oct-Dec 72 (Eng. Abstr.) **(Fre)**

[Cervico-cephalic zona with multiple localizations, complicated by facial paralysis, successfully treated by surgery] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 90:214-9, Mar 73 **(Fre)**

[Irvine-Gass syndrome. IV. Etiology. V. Pathogenesis. VI. Treatment] Bonnet M. **Arch Ophtalmol (Paris)** 32:801-14, Dec 72 (Eng. Abstr.) **(Fre)**

[Immunodepressive agents and Behcet's disease] Hamard H, et al. **Bull Soc Ophtalmol Fr** 72:555-9, May-Jun 72 **(Fre)**

[Course of nephropathy in systemic lupus erythematosus. Influence of the treatment on clinical symptoms, renal function and histology] Zech P, et al. **J Urol Nephrol (Paris)** 78:987-93, Dec 72 **(Fre)**

[Study of triacetyloleandomycin in rheumatoid polyarthritis] Dreiser R, et al. **Therapeutique** 48:681-3, Dec 72 **(Fre)**

[Methotrexate therapy of Reiter's disease (case report)] Droste KD, et al. **Dermatol Monatsschr** 158:902-7, Dec 72 (Eng. Abstr.) **(Ger)**

[Hazard-adapted therapy of acquired idiopathic nephrotic syndromes in children] Olbing H. **Dtsch Med Wochenschr** 98:1079-85, 25 May 73 **(Ger)**

[Wegener's granulomatosis] Galan E, et al. **Dtsch Zahnaerztl Z** 28:438-42, Mar 73 (Eng. Abstr.) **(Ger)**

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al. **Helv Paediatr Acta** 30:Suppl:17, 1973 **(Ger)**

[3-year results of cytostatic combination therapy in immature leukoses of adults in comparison with earlier therapeutic methods] Helbig W, et al. **Z Gesamte Inn Med** 28:128 contd, 15 Apr 73 **(Ger)**

[Necrotizing arteritis in long-term glucocorticoid therapy] Krug K, et al. **Z Gesamte Inn Med** 28:123-5, 15 Apr 73 (Eng. Abstr.) **(Ger)**

[Clinical aspects of virus influenza. Course and complications in a two-year patient material] Kühn RA, et al. **Z Gesamte Inn Med** 28:136-40, 1 Mar 73 (Eng. Abstr.) **(Ger)**

[Body height increase and secretion of somatotropin in children with variously treated nephrotic syndromes] Cicognani A, et al. **Minerva Pediatr** 25:583-92, 14 Apr 73 (Eng. Abstr.) **(Ita)**

[Effect of prednisone in immunosuppressive dosage on the clinical course of eye changes and dynamics of LATS titer in the serum] Nauman J, et al. **Pol Arch Med Wewn** 50:449-58, May 73 (Eng. Abstr.) **(Pol)**

[Acute renal failure due to acute adrenocortical failure following steroid treatment] Kaplicki M, et al. **Wiad Lek** 26:861-4, 1 May 73 (Eng. Abstr.) **(Pol)**

[Effectiveness of intermittent corticoid therapy in tuberculosis in children and adolescents] Bazacliu E, et al. **Ftiziologia** 22:289-94, May-Jun 73 (Eng. Abstr.) **(Rum)**

[General and local hormone therapy in otorhinolaryngology] Miechin BM. **Vestn Otorinolaringol** 34:109-14, Jul-May 73 **(Rus)**

[Use of depot preparations in the treatment of chronic inflammation of the maxillary sinus] Parkhomovskii MA, et al. **Vestn Otorinolaringol** 34:48-52, Jul-May 73 (Eng. Abstr.) **(Rus)**

[Chronic idiopathic intestinal pseudo-obstruction] Bercetche M, et al. **Acta Gastroenterol Latinoam** 4:161-5, Oct-Dec 72 (Eng. Abstr.) **(Spa)**

[Eye changes in subsepsis allergica Wissleri] Trnovský J, et al. **Cesk Oftalmol** 29:198-201, May 73 (Eng. Abstr.) **(Slo)**

PREGNANETRIOL

URINE

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three

pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73
Virilizing adrenal adenoma. Mizutani S, et al.
Am J Surg 126:114-6, Jul 73
Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72
Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73
Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) **(Ita)**
[Fractionation of 17-KS and measurement of pregnanediol and pregnanetriol by gas chromatography] Funao T, et al.
Clin Endocrinol (Tokyo) 20:1007-13, Nov 72 **(Jap)**
[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al.
Ginecol Obstet (Lima) 33:301-11, Mar 73 (Eng. Abstr.) **(Spa)**

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

Generalized pustular psoriasis treated with dapsone. Macmillan AL, et al. **Br J Dermatol** 88:183-5, Feb 73
Hyperglycemia in acute malathion intoxication in rats. Ramu A, et al. **Isr J Med Sci** 9:635-9, May 73
The effect of locally administered corticosteroids (soluble and insoluble) on the healing times of surgically induced wounds in guinea pigs. Stern SF, et al. **J Am Podiatry Assoc** 63:374-82, Aug 73
[Atypical isolated trichoepithelioma of the chin] Nasemann T, et al. **Hautarzt** 24:105-10, Mar 73 (Ger)

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al.
Biochem Pharmacol 22:1195-201, 15 May 73

PHARMACODYNAMICS

Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation. Bailey JM, et al.
Atherosclerosis 17:515-22, May-Jun 73
Systemic reactions to topically applied drugs. Howard Fox memorial lecture. Pascher F.
Bull NY Acad Med 49:613-27, Jul 73 (70 ref.)
Hyperglycemia in acute malathion intoxication in rats. Ramu A, et al. **Isr J Med Sci** 9:635-9, May 73
The effect of locally administered corticosteroids (soluble and insoluble) on the healing times of surgically induced wounds in guinea pigs. Stern SF, et al. **J Am Podiatry Assoc** 63:374-82, Aug 73
The reticuloendothelial-blocking effect of rare earth metals in rats. Lazar G.
J Reticuloendothel Soc 13:231-7, Mar 73

THERAPEUTIC USE

Endothelial rejection in human transplants. Levenson JE, et al. **Arch Ophthalmol** 89:489-92, Jun 73
Generalized pustular psoriasis treated with dapsone. Macmillan AL, et al. **Br J Dermatol** 88:183-5, Feb 73
Comparative study in the management of frozen shoulder. Liang HC, et al.
J Formosan Med Assoc 72:243-7, Apr 73
[A case of acute lymphedema during the 6th month of pregnancy] Cantegrel C.
Phlebologie 25:287-90, Jul-Sep 72 (Eng. Abstr.) **(Fre)**
[Atypical isolated trichoepithelioma of the chin] Nasemann T, et al. **Hautarzt** 24:105-10, Mar 73 (Ger)
[Treatment of periapical osteitis with a new multi-drug paste] Yulis Modak J, et al.
Odontol Chil 20:29-33, Jul-Sep 72 **(Spa)**

TOXICITY

Significance of cleft palate induced by chemicals in the rat and mouse. Posner HS.
Food Cosmet Toxicol 10:839-55, Dec 72

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Lesions of dermatophytosis in quinea pigs treated with triamcinolone acetonide: an animal model. Maestrone G, et al. **Am J Vet Res** 34:833-6, Jun 73
Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy** 31:337-43, Jul 73
Steroid solution treatment of alopecia areata. Verbov J.
Arch Dermatol 108:135, Jul 73
The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al.
Br J Dermatol 88:151-6, Feb 73
Mechanisms of action of topically applied triamcinolone acetonide in prolonging skin allograft survival time. Boss PS, et al.
Transplantation 15:17-21, Jan 73
[Determination of collagenpeptidase activity as a measure of therapeutic effect in sarcoidosis] Müller W, et al.
Dtsch Med Wochenschr 98:1253-5, 22 Jun 73 (Eng. Abstr.) **(Ger)**

METABOLISM

Binding of glucocorticoids to a soluble fraction from rat skeletal muscle. Simpson P, et al.
Biochem Pharmacol 22:1195-201, 15 May 73

PHARMACODYNAMICS

Lesions of dermatophytosis in quinea pigs treated with triamcinolone acetonide: an animal model. Maestrone G, et al. **Am J Vet Res** 34:833-6, Jun 73
The effect of intracutaneous glucocorticoids on plasma cortisol levels. Zaynoun ST, et al.
Br J Dermatol 88:151-6, Feb 73
Corticosteroid ointments: comparison by two human bioassays. Burdick KH, et al.
Curr Ther Res 15:233-42, May 73
Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G.
J Biol Chem 248:3876-83, 10 Jun 73
Biosynthesis of prostaglandin E 2 in human skin: subcellular localization and inhibition by unsaturated fatty acids and anti-inflammatory drugs. Ziboh VA.
J Lipid Res 14:377-84, Jul 73
Differences between rats and chickens in response to synthetic glucocorticosteroid. Sarkar NK.
J Steroid Biochem 4:163-70, Mar 73
Inhibition of mature 3 H-collagen destruction by triamcinolone. Rudolph R, et al.
J Surg Res 14:435-40, May 73

THERAPEUTIC USE

Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy** 31:337-43, Jul 73
Experimental infection with Candida albicans. Rebora A, et al. **Arch Dermatol** 108:69-73, Jul 73
Steroid solution treatment of alopecia areata. Verbov J.
Arch Dermatol 108:135, Jul 73
The ultrastructure of the blood vessels of the human dental pulp following injury. IV. Harris R, et al.
Aust Dent J 18:88-96, Apr 73
Yellow nail syndrome treated by intralesional triamcinolone acetonide. Abell E, et al.
Br J Dermatol 88:200-1, Feb 73
A case of pemphigus vulgaris in association with Addisonian pernicious anaemia. MacKie RM, et al.
Br J Dermatol 88:139-41, Feb 73
The evaluation of a corticosteroid antibiotic agent in pulp capping. Lakshmanan CD.
J Br Endod Soc 6:24-34, Summer 72
Herpes zoster and neurogenic bladder dysfunction. Izumi AK, et al. **JAMA** 224:1748-9, 25 Jun 73
[Determination of collagenpeptidase activity as a measure of therapeutic effect in sarcoidosis] Müller W, et al.
Dtsch Med Wochenschr 98:1253-5, 22 Jun 73 (Eng. Abstr.) **(Ger)**
[Primary Boeck's sarcoid of the orbita] Brewitt H, et al.
Klin Monatsbl Augenheilkd 162:247-51, Feb 73 (Eng. Abstr.) **(Ger)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. **Am J Anat** 137:231-55, Jul 73

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer** 32:31-7, Jul 73

ADVERSE EFFECTS

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. **Am J Anat** 137:231-55, Jul 73

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer** 32:31-7, Jul 73

PHARMACODYNAMICS

Role of the adrenal cortex in maturation of the lymphoid system and immunological competence; the effects of aminoglutethimide in suckling mice. Clark SL Jr, et al. **Am J Anat** 137:231-55, Jul 73

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al. **Endocrinology** 92:1625-8, Jun 73

THERAPEUTIC USE

Oat cell carcinoma of the pancreas with ectopic ACTH secretion. Corrin B, et al. **Cancer** 31:1523-7, Jun 73

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer** 32:31-7, Jul 73

[Endocrinology in 1973] Bricaire H, et al. **Rev Prat** 23:825-63, 21 Feb 73 **(Fre)**

[Medical therapy of hyperadrenalism] Raith L. **Minerva Med** 64:682-4, 14 Mar 73 **(Ita)**

[Therapy of secondary hyperaldosteronism] Werning C, et al. **Minerva Med** 64:664-6, 14 Mar 73 **(Ita)**

DDD

ADMINISTRATION & DOSAGE

[Adrenal gammagram in humans using 131 I-dichlorodiphenyldichloroethane] Skromne-Kadlubik G, et al. **Arch Inst Cardiol Mex** 43:245-8, Mar-Apr 73 **(Eng. Abstr.)** **(Spa)**

ANALYSIS

Occurrence of specific pollutants in fish in the Forth and Tay estuaries. Holden AV, et al. **Proc R Soc Edinb [Biol]** 71:189-94, 1972

[Distribution characteristics of certain pesticides in liver lipid fractions] Kuz'minskaia UA, et al. **Vopr Pitan** 31:48-52, Sep-Oct 72 **(Eng. Abstr.)** **(Rus)**

DIAGNOSTIC USE

[Adrenal gammagram in humans using 131 I-dichlorodiphenyldichloroethane] Skromne-Kadlubik G, et al. **Arch Inst Cardiol Mex** 43:245-8, Mar-Apr 73 **(Eng. Abstr.)** **(Spa)**

PHARMACODYNAMICS

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-5, Mar-Apr 73 **(Eng. Abstr.)** **(Rus)**

[Dependence of the absorption of o,p'-DDD on the dose and drug form of the preparation] Korpachov VV. **Farm Zh** 27:64-6, May-Jun 72 **(Eng. Abstr.)** **(Ukr)**

THERAPEUTIC USE

[Medical therapy of hyperadrenalism] Raith L. **Minerva Med** 64:682-4, 14 Mar 73 **(Ita)**

METYRAPONE

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al. **Clin Endocrinol (Oxf)** 1:285-73, Jul 72

N-hydroxylation of 4,4'-diaminodiphenylsulphone (Dapsone) by liver microsomes, and in dogs and humans. Uehleke H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:55-68, 17 May 73

ADMINISTRATION & DOSAGE

[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR. **Rev Clin Esp** 129:119-22, 30 Apr 73 **(Eng. Abstr.)** **(Spa)**

DIAGNOSTIC USE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al. **Acta Endocrinol (Kbh)** 73:117-32, May 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73

The assay of ACTH in plasma. Nelson DH, et al. **Mt Sinai J Med NY** 40:315-22, May-Jun 73

[STH blood level after metopirone in 12 patients with acromegaly] Chiodini PG, et al. **Ann Endocrinol (Paris)** 33:431-5, Jul-Aug 72 **(Eng. Abstr.)** **(Fre)**

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al. **Ann Endocrinol (Paris)** 33:344-52, Jul-Aug 72 **(Eng. Abstr.)** **(Fre)**

[Dynamic investigations of pituitary function in patients with chromophobe pituitary adenoma or with acromegaly] Muhlbauer MA, et al. **Ann Endocrinol (Paris)** 33:440-6, Jul-Aug 72 **(Eng. Abstr.)** **(Fre)**

[Direct investigation of hypophyseal corticotropic function] Vague P, et al. **Ann Endocrinol (Paris)** 33:367-75, Jul-Aug 72 **(Eng. Abstr.)** **(Fre)**

[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al. **Rev Clin Esp** 129:33-8, 1 Apr 73 **(Eng. Abstr.)** **(Spa)**

[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR. **Rev Clin Esp** 129:119-22, 30 Apr 73 **(Eng. Abstr.)** **(Spa)**

METABOLISM

Non-competitive and competitive inhibition of mixed function oxidase in rat liver microsomes by metyrapone. Roots I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 227:27-38, 1973

Active centers of microsomal cytochrome P-450 determined with metyrapone by mutural depletion system kinetics. Roots I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 227:39-52, 1973

PHARMACODYNAMICS

Comparison of results by four different procedures for

determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73

The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina. Klesch WL, et al. **Comp Biochem Physiol [A]** 45:961-7, 1 Aug 73

Inhibition of thyroid function following the administration of metopiron (SU-4885). Dixit, et al. **Experientia** 29:711-3, 15 Jun 73

Modification of high temperature and ACTH induced immunodepression by metyrapone. Thaxton P, et al. **Poult Sci** 52:618-24, Mar 73

Piperonyl butoxide metabolism by cytochrome P-450: factors affecting the formation and disappearance of the metabolite-cytochrome P-450 complex. Franklin MR. **Xenobiotica** 2:517-27, Nov 72

[Circadian variations of the hypophyso-adrenal response to metopirone] Pennequin P, et al. **J Physiol (Paris)** 65:Suppl 3:468A, 1972 **(Fre)**

[Effects of metopirone on growth hormone, glycemia, and plasma insulin] Szöts F, et al. **Union Med Can** 102:591-5, Mar 73 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73

[Lipoatrophic diabetes. A case description] Bozhadzhieva E, et al. **Vutr Boles** 12:130-3, 1973 **(Bul)**

[Medical therapy of hyperadrenalism] Raith L. **Minerva Med** 64:682-4, 14 Mar 73 **(Ita)**

[Therapy of secondary hyperaldosteronism] Werning C, et al. **Minerva Med** 64:664-6, 14 Mar 73 **(Ita)**

PITUITARY-ADRENAL SYSTEM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al. **Acta Endocrinol (Kbh)** 73:105-16, May 73

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol** 35:357-90, 1973 (175 ref.)

Stimulation of brain serotonin turnover by paradoxical sleep deprivation in intact and hypophysectomized rats. Cramer H, et al. **Brain Res** 54:372-5, 17 May 73

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al. **Endocrinology** 93:1-11, Jul 73

Volume changes in the cell nuclei of the ventromedial nucleus of the rabbit following hemorrhage. Bubenik GA. **Experientia** 29:429-30, 15 Apr 73

Regulation of electrolyte balance in marine birds with special reference to the role of the pituitary-adrenal axis in the duck (Anas platyrhynchos). Holmes WN. **Fed Proc** 31:1587-98, Nov-Dec 72

Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al. **J Comp Physiol Psychol** 83:168-72, Apr 73

Neurotransmitter regulation of ACTH release. Krieger DT. **Mt Sinai J Med NY** 40:302-14, May-Jun 73

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology** 12:41-51, 1973

Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Gispen WH, et al. **Physiol Behav** 10:345-50, Feb 73

Bidirectional effects of reinforcement shifts on pituitary adrenal activity. Goldman L, et al. **Physiol Behav** 10:209-14, Feb 73

Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats. Kraus SD. **Proc Soc Exp Biol Med** 143:460-4, Jun 73

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G. **Rev Roum Physiol** 10:139-47, 1973 **(Fre)**

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. **Probl Endokrinol (Mosk)** 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) **(Rus)**

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN. **Probl Endokrinol (Mosk)** 19:114-20, Mar-Apr 73 (98 ref.) **(Rus)**

[Metabolic and humoral correlates of sleep] Vein AM, et al. **Usp Sovrem Biol** 75:295-313, Mar-Apr 73 (155 ref.) **(Rus)**

[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al. **Rev Clin Esp** 129:33-8, 1 Apr 73 (Eng. Abstr.) **(Spa)**

[Current aspects of the metopirone (SU-4885) test] Rodrigo Sáez LR. **Rev Clin Esp** 129:119-22, 30 Apr 73 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Systemic reactions to topically applied drugs. Howard Fox memorial lecture. Pascher F. **Bull NY Acad Med** 49:613-27, Jul 73 (70 ref.)

The effects of corticosterone, 18-OH-DOC, DOC and 11-hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al. **J Steroid Biochem** 4:129-37, Mar 73

Luetic deafness. Hendershot EL. **Laryngoscope** 83:865-70, Jun 73

[Circadian variations of the hypophyso-adrenal response to metopirone] Pennequin P, et al. **J Physiol (Paris)** 65:Suppl 3:468A, 1972 **(Fre)**

[Does ACTH have a place in rheumatology?] Six B, et al. **Rev Rhum Mal Osteoartic** 39:327-30, Apr 72 **(Fre)**

[Pituitary-adrenal cortex function after long-term steroid therapy] Zurbrügg RP, et al. **Helv Paediatr Acta** 30:Suppl:17, 1973 **(Ger)**

[Effects of continuous administration of ACTH on the function of the adrenal cortex and pituitary body] Sugimoto T, et al. **Clin Endocrinol (Tokyo)** 20:989-94, Nov 72 **(Jap)**

PHYSIOLOGY

[Effects of continuous administration of ACTH on the function of the adrenal cortex and pituitary body] Sugimoto T, et al. **Clin Endocrinol (Tokyo)** 20:989-94, Nov 72 **(Jap)**

RENIN

Ten years experience with the surgical management of renovascular hypertension. Foster JH, et al. **Ann Surg** 177:755-66, Jun 73

Conversion of angiotensin I into angiotensin II in the isolated perfused rat kidney. Hofbauer KG, et al. **Clin Sci** 44:447-56, May 73

The estimation of human renin-substrate concentration by radioimmunoassay of angiotensin I. Waite MA, et al. **J Endocrinol** 57:329-30, May 73

ADMINISTRATION & DOSAGE

An in vivo effect of renin on erythropoietin formation. Gould AB, et al. **Lab Invest** 28:719-22, Jun 73

ANALYSIS

pH dependence of the renin reaction: a modification of commercial renin activity radioimmunoassay kits. McDonald JM, et al. **Am J Clin Pathol** 59:858-68, Jun 73

Genetic influence on the renin-angiotensin system: low renin activities in hypertension-prone rats. Iwai J, et al. **Circ Res** 32:678-84, Jun 73

Measurement of plasma renin activity by angiotensin I radioimmunoassay. II. Clinical results. Salvetti A, et al. **J Nucl Biol Med** 16:102-14, Apr-Jun 72

An in vivo effect of renin on erythropoietin formation. Gould AB, et al. **Lab Invest** 28:719-22, Jun 73

ANTAGONISTS & INHIBITORS

Dog kidney phospholipids and the question of renin inhibition. Tinker DO, et al. **Can J Biochem** 51:863-75, Jun 73

A procedure for the determination of a renin inhibitor in human plasma. Baggio B, et al. **Clin Chim Acta** 45:67-71, 19 Apr 73

[Illustration of an original radioimmunological method for the determination of a renin inhibitor in human plasma] Baggio B, et al. **Quad Sclavo Diagn** 8:164-70, Mar 72 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

The renin-angiotensin system in urinephrectomized adrenalectomized rats. Rojo-Ortega JM, et al. **Experientia** 29:285-6, 15 Mar 73

LIBRARY U. OF I. URBANA-CHAMPAIGN

BLOOD

Studies on arterial and renal venous plasma renin activity in hypertensive patients. Aurell M, et al. **Acta Med Scand** 193:399-406, May 73

Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al. **Am J Med** 55:86-92, Jul 73

Tetany related to postural diuresis. Crane MG, et al. **Am J Med Sci** 265:153-65, Feb 73

Failure of feedback suppression of renin release in the spontaneously hypertensive rat. Czyzewski LB, et al. **Am J Physiol** 225:234-9, Jul 73

Role of pituitary and adrenals in the regulation of plasma angiotensinogen. Hasegawa H, et al. **Am J Physiol** 225:1-6, Jul 73

Anaesthesia and toxicity of angiotensin and 5-hydroxytryptamine in rats. Ylitalo P, et al. **Ann Med Exp Biol Fenn** 50:186-90, 1972

Contraceptive conundrum. II. Hypertension. Catalano PM. **Arch Dermatol** 107:910-1, Jun 73

The physiology of renin. Stein JH, et al. **Arch Intern Med** 131:860-72, Jun 73 (158 ref.)

High catecholamine essential hypertension: clinical and physiological characteristics. Esler MD, et al. **Aust NZ J Med** 3:117-23, Apr 73

Evaluation of practolol in hypertension. Effects on sympathetic nervous system and renin responsiveness. Esler MD, et al. **Br Heart J** 35:469-74, May 73

Significance of high plasma renin activity in patients on maintenance haemodialysis therapy. Craswell PW, et al. **Br Med J** 2:741-3, 30 Jun 73

Renin and hypertension: a review article. Jones J. **Cent Afr J Med** 19:83-4 passim, Apr 73

Clinical significance of hemodynamic findings in hypertension. Frohlich ED. **Chest** 64:94-9, Jul 73 (37 ref.)

Renin subgroups in essential hypertension. Further analysis of their pathophysiological and epidemiological characteristics. Brunner HR, et al. **Circ Res** 32:Suppl 1:99-105, 5 May 73

Role of baroreceptor reflex in daily control of arterial blood pressure and other variables in dogs. Cowley AW Jr, et al. **Circ Res** 32:564-76, May 73

Plasma and extracellular fluid volumes in hypertension. Dustan HP, et al. **Circ Res** 32:Suppl 1:73-83, 5 May 73

Angiotensin as a possible intrarenal hormone in isolated dog kidneys. Itskovitz HD, et al. **Circ Res** 32:550-5, May 73

Effects of a specific competitive antagonist of angiotensin II on arterial pressure and adrenal steroid secretion in dogs. Johnson JA, et al. **Circ Res** 32:Suppl 1:159-68, 5 May 73

A model of the human circulation. Regulation by autonomic nervous system and renin-angiotensin system, and influence of blood volume on cardiac output and blood pressure. Luetscher JA, et al. **Circ Res** 32:Suppl 1:84-98, 5 May 73 (59 ref.)

Suppression of renin activity by hypothalamic stimulation. Zehr JE, et al. **Circ Res** 32:Suppl 1:17-27, 5 May 73

Radioimmunoassay for plasma renin activity. Kumar MS, et al. **Cleve Clin Q** 40:63-71, Summer 73

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al. **Clin Endocrinol (Oxf)** 1:265-73, Jul 72

Effect of change of posture on blood pressure and plasma renin concentration in men with spinal transections. Johnson RH, et al. **Clin Sci** 44:539-46, Jun 73

Studies concerning the regulation and importance of plasma angiotensinogen concentration in the dog. Reid IA, et al. **Endocrinology** 93:107-14, Jul 73

Potentiation by angiotensin II of the vasopressin response to an increasing plasma osmolality. Shimizu K, et al. **Endocrinology** 93:42-50, Jul 73

The renin-angiotensin system in urinephrectomized adrenalectomized rats. Rojo-Ortega JM, et al. **Experientia** 29:285-6, 15 Mar 73

Rectal hyperpolarization following intestinal bypass for obesity. Rask-Madsen J, et al. **Gut** 14:390-2, May 73

Fasting in obese females: plasma renin after glucose refeeding. Verdy M, et al. **Horm Metab Res** 5:59, Jan 73

Plasma renin studies in patients with traumatic spinal cord injuries. Najenson T, et al. **Isr J Med Sci** 9:587-91, May 73

Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. **J Clin Endocrinol Metab** 37:110-7, Jul 73

Dexamethasone-suppressible hyperaldosteronism. New MI, et al. **J Clin Endocrinol Metab** 37:93-100, Jul 73

Renal vein renin in hypertension. Diagnostic and therapeutic implications. Vincenti F, et al. **J Med Liban** 26:9-16, 1973

Measurement of plasma renin activity by angiotensin I radioimmunoassay. II. Clinical results. Salvetti A, et al. **J Nucl Biol Med** 16:102-14, Apr-Jun 72

Experience with primary aldosteronism. Tremann JA, et al. **J Urol** 110:6-8, Jul 73

Aldosteronism updated. Weinberger MH, et al. **J Urol** 110:1-5, Jul 73 (19 ref.)

Unilateral ureteral obstruction. A caue of reversible high renin content hypertension. Nemoy NJ, et al. **JAMA** 225:512-3, 30 Jul 73

Plasma renin activity during levodopa therapy. Significance of long- and short-term treatment. Sullivan JM, et al. **JAMA** 224:1726-9, 25 Jun 73

Stand up and be diagnosed. Vaisrub S. **JAMA** 224:1755, 25 Jun 73

Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al. **Jap Circ J** 36:1301-11, Dec 72

An in vivo effect of renin on erythropoietin formation. Gould AB, et al. **Lab Invest** 28:719-22, Jun 73

Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. **Lancet** 1:1218-9, 2 Jun 73

Radioimmunoassay of plasma-renin activity. Fleming LW, et al. **Lancet** 1:1392-3, 16 Jun 73

Exchangeable sodium and renin in hypertension. Wardle EN. **Lancet** 1:934-5, 28 Apr 73

Donor renin activity and function of cadaveric renal allografts. Yuile PG, et al. **Lancet** 2:75-6, 14 Jul 73

Acute renal failure. **Lancet** 2:134-5, 21 Jul 73

The roles of carbohydrate, renin, and aldosterone in sodium retention during and after total starvation. Garnett ES, et al. **Metabolism** 22:867-74, Jul 73

Renin output by diseased and contralateral normal dog kidneys following extracellular fluid volume expansion and furosemide. Zimmerman SW, et al. **Nephron** 10:292-301, 1973

Renal revascularization for arteriosclerotic renovascular hypertension: prognostic implications of focal renal arterial vs. overt generalized arteriosclerosis. Ernst CB, et al. **Surgery** 73:859-67, Jun 73

Effects of changes in sodium balance and of experimental renal hypertension on plasma angiotensin I converting enzyme activity of rabbits. Kurihara H, et al. **Tohoku J Exp Med** 109:19-27, Jan 73

[Renin-angiotensin-aldosterone system and arterial hypertension in acromegaly] Valiotton MB, et al. **Ann Endocrinol (Paris)** 33:447-8, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Plasma renin activity measurement by radioimmunoassay of angiotensin I. Critical study of the method and results as a function of sex and orthostatism] Fourlinnie JC, et al. **Lille Med** 18:13-9, Jun 73 **(Fre)**

[Renin and catecholamine secretions in a case of orthostatic hypotension: its physiopathological value] Annat G, et al. **Lyon Med** 228:691-6, 10 Dec 72 (Eng. Abstr.) **(Fre)**

[Studies on the autonomy of aldosterone secretion in primary hyperaldosteronism. Diagnosis and differential diagnosis of "Conn's syndrome"] Heiber A, et al. **Klin Wochenschr** 51:404-10, 15 Apr 73 (Eng. Abstr.) **(Ger)**

[Renal diabetes insipidus with hypokalemia, hyperaldosteronism, and increased plasma-renin activity (Bartter syndrome)] Rosenkranz A, et al. **Paediatr Paedol** 8:297-303, 1973 (Eng. Abstr.) **(Ger)**

[Treatment of essential hypertension with spironolactone with reference to the plasma renin activity] Esch I, et al. **Wien Klin Wochenschr** 85:413-7, 8 Jun 73 (Eng. Abstr.) **(Ger)**

[Illustration of an original radioimmunological method for the determination of a renin inhibitor in human plasma] Baggio B, et al. **Quad Sclavo Diagn** 8:164-70, Mar 72 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay of plasma renin activity--comparison with biological method

(improved Skinner's method)] Nishizawa C, et al. Clin Endocrinol (Tokyo) 20:971-5, Nov 72 (Jap)
[The diagnostic value of determining renin activity and the plasma concentration of potassium in patients with Conn's syndrome and arterial hypertension] Gerasimenko PP. Kardiologiia 13:101-6, Mar 73 (Eng. Abstr.) (Rus)
[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al. Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)

METABOLISM

pH dependence of the renin reaction: a modification of commercial renin activity radioimmunoassay kits. McDonald JM, et al. Am J Clin Pathol 59:858-68, Jun 73
Effect of ureteral clamping and increased renal arterial pressure on renin release. Kaloyanides GJ, et al. Am J Physiol 225:95-9, Jul 73
Anaesthesia and toxicity of angiotensin and 5-hydroxytryptamine in rats. Ylitalo P, et al. Ann Med Exp Biol Fenn 50:186-90, 1972
Sodium retention versus renin-angiotensin system in experimental renal hypertension. Liard JF. Can J Physiol Pharmacol 51:238-41, Mar 73
Genetic influence on the renin-angiotensin system: low renin activities in hypertension-prone rats. Iwai J, et al. Circ Res 32:678-84, Jun 73
Distribution of a renin-like enzyme in the bovine adrenal gland. Ryan JW. Experientia 29:407-8, 15 Apr 73
Effect of sodium intake on hypertensive vascular lesions in rabbits. Fujii J, et al. Jap Heart J 14:45-52, Jan 73
Exchangeable sodium and renin in hypertension. Wardle EN. Lancet 1:934-5, 28 Apr 73
Renin in heart muscle and arterial tissue. Ganten D, et al. Verh Dtsch Ges Kreislaufforsch 38:268-72, 1972

PHARMACODYNAMICS

Increased cardiovascular reactivity after bilateral nephrectomy in the rat. Basso N, et al. Acta Physiol Lat Am 23:1-8, 1973
Renin-like activity of the rat submaxillary gland: characterization and the effect of several drugs and stimuli. Gutman Y, et al. Br J Pharmacol 47:59-68, Jan 73
The specificity of the renin-angiotensinogen reaction through the phylogenetic scale. Nolly HL, et al. Comp Biochem Physiol [A] 44:639-45, 1 Feb 73
An in vivo effect of renin on erythropoietin formation. Gould AB, et al. Lab Invest 28:719-22, Jun 73

PHYSIOLOGY

Contraceptive conundrum. II. Hypertension. Catalano PM. Arch Dermatol 107:910-1, Jun 73
The physiology of renin. Stein JH, et al. Arch Intern Med 131:860-72, Jun 73 (158 ref.)
Renin and hypertension: a review article. Jones J. Cent Afr J Med 19:83-4 passim, Apr 73
Fasting in obese females: plasma renin after glucose refeeding. Verdy M, et al. Horm Metab Res 5:59, Jan 73
Plasma renin studies in patients with traumatic spinal cord injuries. Najenson T, et al. Isr J Med Sci 9:587-91, May 73
Autoregulation of glomerular filtration in renin-depleted dogs. Potkay S, et al. Proc Soc Exp Biol Med 143:508-13, Jun 73
[Blood volume receptors and neuro-hormonal regulation of blood volume] Annat G, et al. Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Eng. Abstr.) (Fre)
[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al. Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

SECRETION

Effect of intrarenally infused ATP on renal function. Gaál K, et al. Acta Physiol Acad Sci Hung 41:213-9, 1972
Role of renin and aldosterone in hypertension due to a renin-secreting tumor. Schambelan M, et al. Am J Med 55:86-92, Jul 73
Recent advances in the physiology and pathophysiology of potassium excretion. Schultze RG. Arch Intern Med 131:885-97, Jun 73 (106 ref.)
Effect of change of posture on blood pressure and plasma renin concentration in men with spinal transections. Johnson RH, et al. Clin Sci 44:539-46, Jun 73
Renin output by diseased and contralateral normal dog kidneys following extracellular fluid volume expansion and furosemide. Zimmerman SW, et al. Nephron 10:292-301, 1973
Hypersecretion of renin in dogs with a chronic aortic-caval fistula and high-output heart failure. Spielman WS, et al. Proc Soc Exp Biol Med 143:479-82, Jun 73
[Renin secretion in vitro. Comparison of kidney slices and isolated glomeruli] Ochs HG, et al. Res Exp Med (Berl) 160:206-12, 21 May 73 (Eng. Abstr.) (Ger)

SPIRONOLACTONE

Current aspects of diuretic treatment. Cooper P. Midwife Health Visit 8:256, Jul 72

ADMINISTRATION & DOSAGE

The influence of the aldosterone-antagonist spironolactone on myocardial contractility. Strauer BE. Arch Int Pharmacodyn Ther 201:59-70, Jan 73
Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. J Pharmacol Exp Ther 185:686-95, Jun 73
Antagonism of spironolactone-induced natriuresis by aspirin in man. Tweeddale MG, et al. N Engl J Med 289:198-200, 26 Jul 73
[Clinical study on the subtoxic full effective and maintenance dose of digoxin under the influence of spironolactone. Studies on the decompensated heart patient] Krämer KD, et al. Arzneim Forsch 23:508-11, Apr 73 (Eng. Abstr.) (Ger)
[Direct positive inotropic influencing on the heart using oral spironolactone therapy] Schröder R, et al. Verh Dtsch Ges Kreislaufforsch 38:349-53, 1972 (Ger)

ADVERSE EFFECTS

Hyperkalemic cardiac arrhythmia secondary to spironolactone. Pongpaew C, et al. Chest 63:1023-5, Jun 73
Adverse reactions to spironolactone. A report from the Boston Collaborative Drug Surveillance Program. Greenblatt DJ, et al. JAMA 225:40-3, 2 Jul 73
[Treatment of essential hypertension with spironolactone with reference to the plasma renin activity] Esch I, et al. Wien Klin Wochenschr 85:413-7, 8 Jun 73 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

Antagonism of spironolactone-induced natriuresis by aspirin in man. Tweeddale MG, et al. N Engl J Med 289:198-200, 26 Jul 73

BLOOD

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. J Pharmacol Exp Ther 185:686-95, Jun 73

DIAGNOSTIC USE

Aldosteronism updated. Weinberger MH, et al. J Urol 110:1-5, Jul 73 (19 ref.)

METABOLISM

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. J Pharmacol Exp Ther 185:686-95, Jun 73
[Studies on organ- and subcellular distribution of 3 H-spironolactone in animals] Platt D, et al. Australas Radiol 22:1801-2, Oct 72 (Ger)

PHARMACODYNAMICS

Effect of aldosterone blockade during fasting and refeeding. Boulter PR, et al. Am J Clin Nutr 26:397-402, Apr 73
The influence of the aldosterone-antagonist spironolactone on myocardial contractility. Strauer BE. Arch Int Pharmacodyn Ther 201:59-70, Jan 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Aldactazide-induced sodium appetite in rats. Wong R, et al. **Behav Biol** 8:285-9, Feb 73

The effect of spironolactone on acute toxicity and liver damage in mice induced by cerium chloride. Bjondahl K, et al. **Experientia** 29:685-7, 15 Jun 73

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. **J Pharmacol Exp Ther** 185:686-95, Jun 73

Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al. **Jap Circ J** 36:1301-11, Dec 72

Antagonism of spironolactone-induced natriuresis by aspirin in man. Tweeddale MG, et al. **N Engl J Med** 289:198-200, 26 Jul 73

Effects of pretreatment with spironolactone on pharmacokinetics of 4'''-methyldigoxin in rats. Abshagen U. **Naunyn Schmiedebergs Arch Pharmacol** 278:91-100, 17 May 73

[Treatment of essential hypertension with spironolactone with reference to the plasma renin activity] Esch I, et al. **Wien Klin Wochenschr** 85:413-7, 8 Jun 73 (Eng. Abstr.) (Ger)

[Data on the pathogenesis of arterial hypertension in rats with chronic stimulation of the adrenals] Zhukova SV, et al. **Patol Fiziol Eksp Ter** 17:24-8, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Renin and hypertension: a review article. Jones J. **Cent Afr J Med** 19:83-4 passim, Apr 73

Hyperkalemic cardiac arrhythmia secondary to spironolactone. Pongpaew C, et al. **Chest** 63:1023-5, Jun 73

Generic non-equivalence in cardiac practice. Shah S. **Indian Heart J** 25:1-2, Jan 73

Experience with primary aldosteronism. Tremann JA, et al. **J Urol** 110:6-8, Jul 73

Adverse reactions to spironolactone. A report from the Boston Collaborative Drug Surveillance Program. Greenblatt DJ, et al. **JAMA** 225:40-3, 2 Jul 73

Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Uchida K, et al. **Jap Circ J** 36:1301-11, Dec 72

[Treatment of essential arterial hypertension with spironolactone: its value in the detection of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al. **J Urol Nephrol (Paris)** 78:1023-7, Dec 72 (Fre)

[Clinical study on the subtoxic full effective and maintenance dose of digoxin under the influence of spironolactone. Studies on the decompensated heart patient] Krämer KD, et al. **Arzneim Forsch** 23:508-11, Apr 73 (Eng. Abstr.) (Ger)

[Pregnancy in liver cirrhosis. Internal medicine and gynecological aspects] Felder KD, et al. **Med Klin** 68:516-20, 20 Apr 73 (Eng. Abstr.) (Ger)

[Direct positive inotropic influencing on the heart using oral spironolactone therapy] Schröder R, et al. **Verh Dtsch Ges Kreislaufforsch** 38:349-53, 1972 (Ger)

[Treatment of essential hypertension with spironolactone with reference to the plasma renin activity] Esch I, et al. **Wien Klin Wochenschr** 85:413-7, 8 Jun 73 (Eng. Abstr.) (Ger)

[Therapy of secondary hyperaldosteronism] Werning C, et al. **Minerva Med** 64:664-6, 14 Mar 73 (Ita)

[Alterations in water-salt metabolism under the influence of diuretics in cardiac insufficiency] Sycheva IM, et al. **Kardiologiia** 13:67-73, Mar 73 (Eng. Abstr.) (Rus)

URINE

Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. Sadée W, et al. **J Pharmacol Exp Ther** 185:686-95, Jun 73

TRANSCORTIN

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73

Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Turner AK, et al. **Clin Chem** 19:731-6, Jul 73

Competitive binding to multiple stereospecific binding agents as a means of verifying the identity of a ligand application to cortisol in human umbilical cord blood. Murphy BE. **J Steroid Biochem** 4:227-31, Mar 73

ANALYSIS

[Transcortin in health and disease] Vakov L. **Vutr Boles** 12:1-8, 1973 (Bul)

[Role of the hypothalamo-hypophyseal system in the regulation of the transcortin level in rat plasma] Rozen VB, et al. **Probl Endokrinol (Mosk)** 19:58-63, Mar-Apr 73 (Eng. Abstr.) (Rus)

BLOOD

Diabetes and pregnancy. Tsai A, et al. **J Reprod Med** 11:23-8, Jul 73

METABOLISM

The apparent affinity of plasma transcortin (CBA) in inbred Tamilian Hindus belonging either to a diabetes-prone community or to a group without family history of diabetes. Moor P de, et al. **J Clin Endocrinol Metab** 36:1100-3, Jun 73

PHYSIOLOGY

[Transcortin in health and disease] Vakov L. **Vutr Boles** 12:1-8, 1973 (Bul)

V. Adrenal Medulla

ADRENAL MEDULLA

Potential organ or tumor imaging agents. 11. Radioiodinated tyramines. Counsell RE, et al. **J Med Chem 16:684-7, Jun 73**

ANALYSIS

Differentiation of noradrenaline and adrenaline containing cells in the adrenal medulla by the trihydroxyindole histochemical reaction. King MP, et al. **Acta Histochem (Jena) 45:61-70, 1973**

Lipid composition on substantia nigra in Parkinson's disease. Riekkinen PJ, et al. **Acta Neurol Scand [Suppl] 51:133-5, 1972**

Purification of a calcium-binding phosphoprotein from beef adrenal medulla. Identity with one of two calcium-binding proteins of brain. Brooks JC, et al. **J Biol Chem 248:4189-93, 25 Jun 73**

Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Nicolescu E, et al. **Rev Roum Physiol 10:237-44, 1973**

[Effects of catecolamines--biochemical dynamics] **Ozawa H. Respir Circ (Tokyo) 20:121-6, Feb 72 (Jap)**

ANATOMY & HISTOLOGY

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol 18:305-15, Jun 73**

CYTOLOGY

Differentiation of noradrenaline and adrenaline containing cells in the adrenal medulla by the trihydroxyindole histochemical reaction. King MP, et al. **Acta Histochem (Jena) 45:61-70, 1973**

Isolation of and production of antibody to cow chromaffin granule membrane. Schnideer FH. **Biochem Pharmacol 21:2627-34, 1 Oct 72**

Control of adrenal medullary protein synthesis by corticosteroids. Baliga BS, et al. **Biochim Biophys Acta 299:337-43, 19 Mar 73**

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta 307:404-14, 11 May 73**

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol 18:305-15, Jun 73**

Histological characterization of "epinephrine" and "norepinephrine" cells in the adrenal medulla of the white-footed mouse, Peromyscus leucopus. Costa JL. **Gen Comp Endocrinol 20:498-515, Jun 73**

Notes on synaptic vesicles and related structures, endoplasmic reticulum, lysosomes and peroxisomes in nervous tissue and the adrenal medulla. Holtzman E, et al. **J Histochem Cytochem 21:349-85, Apr 73 (221 ref.)**

DRUG EFFECTS

A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland. Lüllmann H, et al. **Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73**

[Action of scorpion venoms on adrenal medulla secretion] Beauvallet M, et al. **J Physiol (Paris) 65:Suppl 3:345A, 1972 (Fre)**

EMBRYOLOGY

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al. **Arkh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)**

ENZYMOLOGY

Effect of calcium, sodium and potassium on adrenal tyrosine hydroxylase activity in vitro. Gutman Y, et al. **Biochem Pharmacol 21:2664-6, 1 Oct 72**

Control of adrenal medullary protein synthesis by corticosteroids. Baliga BS, et al. **Biochim Biophys Acta 299:337-43, 19 Mar 73**

Distribution of a renin-like enzyme in the bovine adrenal gland. Ryan JW. **Experientia 29:407-8, 15 Apr 73**

Some physical properties of bovine adrenal medullary dopamine -hydroxylase. Foldes A, et al. **J Neurochem 20:1431-42, May 73**

Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure. Guidotti A, et al. **Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973**

IMMUNOLOGY

Isolation of and production of antibody to cow chromaffin granule membrane. Schnideer FH. **Biochem Pharmacol 21:2627-34, 1 Oct 72**

INNERVATION

The autonomic nervous system. Hall JL, et al. **Prog Neurol Psychiatry 27:149-62, 1972 (143 ref.)**

METABOLISM

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN. **Am J Physiol 224:1388-90, Jun 73**

Tetrahydroisoquinoline alkaloids: uptake, storage, and secretion by the adrenal medulla and by adrenergic nerves. Cohen G. **Ann NY Acad Sci 215:116-9, 30 Apr 73**

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta 307:404-14, 11 May 73**

Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al. **Eur J Pharmacol 22:102-4, Apr 73**

Catecholamine storage in liver metastases of a malignant carotid body tumour. A biochemical and morphological study. Hörtnagl H, et al. **Virchows Arch [Zellpathol] 12:330-7, 30 Mar 73**

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al. **Arkh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)**

PATHOLOGY

Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. DeLellis RA, et al. **Cancer 32:227-35, Jul 73**

Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Murad TM, et al. **Exp Mol Pathol 18:305-15, Jun 73**

A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland. Lüllmann H, et al. **Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73**

PHYSIOLOGY

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al. **Behav Biol 8:785-800, Jun 73**

The role played by adrenal hormones in the increase of liver tyrosine aminotransferase activity of rats

LIBRARY U. OF I., URBANA-CHAMPAIGN

subjected to trauma. Németh S, et al.
Horm Metab Res 5:204-7, May 73

Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al.
J Pharmacol Exp Ther 185:468-78, Jun 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris)** 64:583-98, 1972

Urinary epinephrine and norepinephrine responses to chair restraint in the monkey. Mason JW, et al.
Physiol Behav 10:801-4, Apr 73

Feeding and arteriovenous differences of blood glucose in rats after injection with 2-deoxy-D-glucose and after food deprivation. Tonge DA, et al.
Physiol Behav 10:497-505, Mar 73

An analysis of pulse frequency as an adrenergic excitant in pulsatile circulatory support. Harrison TS, et al. **Surgery** 73:868-74, Jun 73

[Influence of thyroid hormones on the thermogenetic effect of epinephrine in the medulloadrenalectomized dog] Therminarias A, et al.
J Physiol (Paris) 65:Suppl 3:510A, 1972 **(Fre)**

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Data on the pathogenesis of arterial hypertension in rats with chronic stimulation of the adrenals] Zhukova SV, et al.
Patol Fiziol Eksp Ter 17:24-8, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

SECRETION

On the reflex adrenergic response in the early stages of the experimental myocardial infarction. Staszewska-Barczak J.
Acta Physiol Pol 24:139-47, Jan-Feb 73

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta** 307:404-14, 11 May 73

Catecholamine response of chickens to exogenous insulin and tolbutamide. Pittman RP, et al.
Comp Biochem Physiol [A] 45:141-7, 1 May 73

ADRENOCHROME

PHARMACODYNAMICS

[Effect of adrenaline and adrenoxyl on the level of catecholamines and nonesterified fatty acids and lipase activity in rat tissues] Menisov AK.
Ukr Biokhim Zh 44:391-4, 1972 (Eng. Abstr.) **(Ukr)**

CATECHOLAMINES

ANALYSIS

Isolation of and production of antibody to cow chromaffin granule membrane. Schnideer FH.
Biochem Pharmacol 21:2627-34, 1 Oct 72

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Juráni M, et al.
J Endocrinol 57:385-91, Jun 73

Notes on synaptic vesicles and related structures, endoplasmic reticulum, lysosomes and peroxisomes in nervous tissue and the adrenal medulla. Holtzman E, et al.
J Histochem Cytochem 21:349-85, Apr 73 (221 ref.)

Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male rats after standardized physical effort. Nicolescu E, et al. **Rev Roum Physiol** 10:245-50, 1973

Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Nicolescu E, et al. **Rev Roum Physiol** 10:237-44, 1973

[Effects of catecolamines--biochemical dynamics] Ozawa H. **Respir Circ (Tokyo)** 20:121-6, Feb 72 **(Jap)**

[The effect of the monoamine oxidase inhibitor iproniazio on fat metabolism and catecholamine dynamics in tissues] Menisov AK.
Vopr Med Khim 19:134-5, Mar-Apr 73 **(Rus)**

BIOSYNTHESIS

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) **(Ger)**

BLOOD

Catecholamines and hypertension. Moss J.
N Engl J Med 288:1355-6, 21 Jun 73

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh.
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) **(Rus)**

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

METABOLISM

Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al.
Eur J Pharmacol 22:102-4, Apr 73

Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. **J Lab Clin Med** 81:889-96, Jun 73

Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure. Guidotti A, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973

Effects of phenobarbitone and starving on the dopamine content of the adrenal glands of rats exposed to carbon disulphide. Jarvis JA, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:207-13, 1973

Catecholamine storage in liver metastases of a malignant carotid body tumour. A biochemical and morphological study. Hörtnagl H, et al.
Virchows Arch [Zellpathol] 12:330-7, 30 Mar 73

[Effects of catecolamines--biochemical dynamics] Ozawa H. **Respir Circ (Tokyo)** 20:121-6, Feb 72 **(Jap)**

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh.
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) **(Rus)**

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline and adrenoxyl on the level of catecholamines and nonesterified fatty acids and lipase activity in rat tissues] Menisov AK.
Ukr Biokhim Zh 44:391-4, 1972 (Eng. Abstr.) **(Ukr)**

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS.
Ukr Biokhim Zh 44:395-9, 1972 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

"Cholinergic link" in the influence of exogenous catecholamines on ATP and phosphocreatine in the heart. Garbuliński T, et al.
Acta Physiol Pol 24:243-51, Jan-Feb 73

PHYSIOLOGY

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN.
Probl Endokrinol (Mosk) 19:114-20, Mar-Apr 73 (98 ref.) **(Rus)**

[The effect of the monoamine oxidase inhibitor iproniazio on fat metabolism and catecholamine dynamics in tissues] Menisov AK.
Vopr Med Khim 19:134-5, Mar-Apr 73 **(Rus)**

SECRETION

On the reflex adrenergic response in the early stages of the experimental myocardial infarction. Staszewska-Barczak J.
Acta Physiol Pol 24:139-47, Jan-Feb 73

URINE

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73

Modified Pisano method for estimating urinary

metanephrines. Gupta RN, et al.
Clin Chem 19:611-4, Jun 73
Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73
[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)
[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al.
Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)

CHROMAFFIN SYSTEM

Malignant non-functioning pheochromocytoma of the organ of Zuckerkandl masquerading as a primary carcinoma of the prostate with metastases. Melicow MM, et al. J Urol 110:97-103, Jul 73

ANALYSIS

A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK.
Anat Anz 133:20-32, 1973

CYTOLOGY

A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK.
Anat Anz 133:20-32, 1973
Isolation of and production of antibody to cow chromaffin granule membrane. Schnideer FH.
Biochem Pharmacol 21:2627-34, 1 Oct 72
Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al.
Eur J Pharmacol 22:102-4, Apr 73

EMBRYOLOGY

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al.
Arkh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)

IMMUNOLOGY

Isolation of and production of antibody to cow chromaffin granule membrane. Schnideer FH.
Biochem Pharmacol 21:2627-34, 1 Oct 72

METABOLISM

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. Biochim Biophys Acta 307:404-14, 11 May 73
Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al.
Eur J Pharmacol 22:102-4, Apr 73

DOPA

ANALYSIS

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

METABOLISM

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al.
Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh.
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) (Rus)

URINE

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)

DOPAMINE

BIOSYNTHESIS

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al.
Arkh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)

METABOLISM

Tetrahydroisoquinoline alkaloids: uptake, storage, and secretion by the adrenal medulla and by adrenergic nerves. Cohen G. Ann NY Acad Sci 215:116-9, 30 Apr 73
Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure. Guidotti A, et al. Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973
Effects of phenobarbitone and starving on the dopamine content of the adrenal glands of rats exposed to carbon disulphide. Jarvis JA, et al. Naunyn Schmiedebergs Arch Pharmacol 278:207-13, 1973

URINE

Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73
[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)
[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al.
Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)

EPINEPHRINE

Histological characterization of "epinephrine" and "norepinephrine" cells in the adrenal medulla of the white-footed mouse, Peromyscus leucopus. Costa JL.
Gen Comp Endocrinol 20:498-515, Jun 73

ADMINISTRATION & DOSAGE

Altered insulin and glucose metabolism produced by epinephrine during hemorrhagic shock in the adrenalectomized primate. Hiebert JM, et al.
Surgery 74:223-34, Aug 73

ANALYSIS

Differentiation of noradrenaline and adrenaline containing cells in the adrenal medulla by the trihydroxyindole histochemical reaction. King MP, et al. Acta Histochem (Jena) 45:61-70, 1973
A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK.
Anat Anz 133:20-32, 1973
Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. DeLellis RA, et al. Cancer 32:227-35, Jul 73
Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male

LIBRARY IL OF L. URBANA-CHAMPAIGN

rats after standardized physical effort. Nicolescu E, et al. **Rev Roum Physiol** 10:245-50, 1973

Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Nicolescu E, et al. **Rev Roum Physiol** 10:237-44, 1973

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim** 19:173-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS. **Ukr Biokhim Zh** 44:395-9, 1972 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation. Parker LN. **Am J Physiol** 224:1388-90, Jun 73

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al. **Arkh Anat Gistol Embriol** 63:48-66, Aug 72 (63 ref.) **(Rus)**

BLOOD

Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Bargiel Z, et al. **Acta Physiol Pol** 24:289-93, Jan-Feb 73

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al. **Behav Biol** 8:785-800, Jun 73

Catecholamine response of chickens to exogenous insulin and tolbutamide. Pittman RP, et al. **Comp Biochem Physiol [A]** 45:141-7, 1 May 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris)** 64:583-98, 1972

An analysis of pulse frequency as an adrenergic excitant in pulsatile circulatory support. Harrison TS, et al. **Surgery** 73:868-74, Jun 73

[Action of scorpion venoms on adrenal medulla secretion] Beauvallet M, et al. **J Physiol (Paris)** 65:Suppl 3:345A, 1972 **(Fre)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia** 13:140-51, Mar 73 (114 ref.) **(Rus)**

METABOLISM

Tetrahydroisoquinoline alkaloids: uptake, storage, and secretion by the adrenal medulla and by adrenergic nerves. Cohen G. **Ann NY Acad Sci** 215:116-9, 30 Apr 73

Effect of zinc repletion late in gestation on parturition in the zinc-deficient rat. Apgar J. **J Nutr** 103:973-81, Jul 73

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim** 19:173-6, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Metabolic responses to cold and catecholamines as a function of age in swine (Sus domesticus). Stanton HC, et al. **Comp Biochem Physiol [A]** 45:215-25, 1 May 73

The role played by adrenal hormones in the increase of liver tyrosine aminotransferase activity of rats subjected to trauma. Németh S, et al. **Horm Metab Res** 5:204-7, May 73

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris)** 64:583-98, 1972

Altered insulin and glucose metabolism produced by epinephrine during hemorrhagic shock in the adrenalectomized primate. Hiebert JM, et al. **Surgery** 74:223-34, Aug 73

[Influence of thyroid hormones on the thermogenetic effect of epinephrine in the medulloadrenalectomized dog] Therminarias A, et al. **J Physiol (Paris)** 65:Suppl 3:510A, 1972 **(Fre)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia** 13:140-51, Mar 73 (114 ref.) **(Rus)**

[Effect of adrenaline and adrenoxyl on the level of catecholamines and nonesterified fatty acids and lipase activity in rat tissues] Menisov AK. **Ukr Biokhim Zh** 44:391-4, 1972 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh. **Usp Fiziol Nauk** 3:92-130, Oct-Dec 72 (216 ref.) **(Rus)**

SECRETION

Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Bargiel Z, et al. **Acta Physiol Pol** 24:289-93, Jan-Feb 73

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al. **Behav Biol** 8:785-800, Jun 73

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta** 307:404-14, 11 May 73

Effect of ethanol on adrenaline and noradrenaline secretion of the adrenal gland in the dog. Hirose T, et al. **Tohoku J Exp Med** 109:85-8, Jan 73

URINE

Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insufficiency. Vieweg WV, et al. **Cancer** 31:1240-3, May 73

Metabolic responses to cold and catecholamines as a function of age in swine (Sus domesticus). Stanton HC, et al. **Comp Biochem Physiol [A]** 45:215-25, 1 May 73

Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. **J Lab Clin Med** 81:889-96, Jun 73

Urinary epinephrine and norepinephrine responses to chair restraint in the monkey. Mason JW, et al. **Physiol Behav** 10:801-4, Apr 73

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H. **Helv Paediatr Acta** 29:Suppl 29:1-114, 1972 (Eng. Abstr.) **(Ger)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia** 13:140-51, Mar 73 (114 ref.) **(Rus)**

ISOPROTERENOL

PHARMACODYNAMICS

Renin-like activity of the rat submaxillary gland: characterization and the effect of several drugs and stimuli. Gutman Y, et al. **Br J Pharmacol** 47:59-68, Jan 73

METHYLDOPA

THERAPEUTIC USE

Human serum dopamine- -hydroxylase. Relationship to hypertension and sympathetic activity. Horwitz D, et al. **Circ Res** 32:594-9, May 73

NOREPINEPHRINE

Histological characterization of "epinephrine" and "norepinephrine" cells in the adrenal medulla of the white-footed mouse, Peromyscus leucopus. Costa JL. **Gen Comp Endocrinol** 20:498-515, Jun 73

ANALYSIS

Differentiation of noradrenaline and adrenaline containing cells in the adrenal medulla by the trihydroxyindole histochemical reaction. King MP, et al. **Acta Histochem (Jena)** 45:61-70, 1973

A comparative histological investigation on the interrenal gland of some Indian teleosts. Banerji TK. **Anat Anz** 133:20-32, 1973

Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. DeLellis RA, et al. **Cancer** 32:227-35, Jul 73

Effect of stress and environmental temperature on adrenal function in Rana esculenta. Jurání M, et al. **J Endocrinol** 57:385-91, Jun 73

Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male rats after standardized physical effort. Nicolescu E, et al. **Rev Roum Physiol** 10:245-50, 1973

Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Nicolescu E, et al. **Rev Roum Physiol 10:237-44, 1973**

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS. **Ukr Biokhim Zh 44:395-9, 1972 (Eng. Abstr.) (Ukr)**

BIOSYNTHESIS

[The relationship between the stages of autonomic nervous system development and the appearance of its chief mediators during embryogenesis (the prenatal development of the cholin- and adrenergic nerve elements in man and the rabbit)] Shvalev VN, et al. **Arkh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)**

BLOOD

Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Bargiel Z, et al. **Acta Physiol Pol 24:289-93, Jan-Feb 73**

Plasma catecholamine response to fighting in the male albino mouse. Hucklebridge FH, et al. **Behav Biol 8:785-800, Jun 73**

Catecholamine response of chickens to exogenous insulin and tolbutamide. Pittman RP, et al. **Comp Biochem Physiol [A] 45:141-7, 1 May 73**

Effect of epinephrine on insulin secretion in the rat. Foltzer C, et al. **J Physiol (Paris) 64:583-98, 1972**

An analysis of pulse frequency as an adrenergic excitant in pulsatile circulatory support. Harrison TS, et al. **Surgery 73:868-74, Jun 73**

[Action of scorpion venoms on adrenal medulla secretion] Beauvallet M, et al. **J Physiol (Paris) 65:Suppl 3:345A, 1972 (Fre)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)**

METABOLISM

Tetrahydroisoquinoline alkaloids: uptake, storage, and secretion by the adrenal medulla and by adrenergic nerves. Cohen G. **Ann NY Acad Sci 215:116-9, 30 Apr 73**

Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C. Baumgartner H, et al. **Eur J Pharmacol 22:102-4, Apr 73**

Catecholamine storage in liver metastases of a malignant carotid body tumour. A biochemical and morphological study. Hörtnagl H, et al. **Virchows Arch [Zellpathol] 12:330-7, 30 Mar 73**

[Importance of the adrenals in phosphocalcium regulation in guinea pigs. Effects of reserpine] Marnay-Gulat C, et al. **J Physiol (Paris) 65:Suppl 3:446A+, 1972 (Fre)**

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

PHARMACODYNAMICS

"Cholinergic link" in the influence of exogenous catecholamines on ATP and phosphocreatine in the heart. Garbuliński T, et al. **Acta Physiol Pol 24:243-51, Jan-Feb 73**

Metabolic responses to cold and catecholamines as a function of age in swine (Sus domesticus). Stanton HC, et al. **Comp Biochem Physiol [A] 45:215-25, 1 May 73**

Sound-withdrawal hypertension in rats--a new form of experimental hypertension. Marwood JF, et al. **J Pharm Pharmacol 25:42-8, Jan 73**

[Effects of porcine ACTH on arterial hypertension due to norepinephrine in rats] Mathieu F. **C R Soc Biol (Paris) 166:1394-6, 1972 (Fre)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)**

PHYSIOLOGY

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh. **Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) (Rus)**

SECRETION

Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Bargiel Z, et al. **Acta Physiol Pol 24:289-93, Jan-Feb 73**

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta 307:404-14, 11 May 73**

Effect of ethanol on adrenaline and noradrenaline secretion of the adrenal gland in the dog. Hirose T, et al. **Tohoku J Exp Med 109:85-8, Jan 73**

[Cytochemical and cytophysiological characterization of mixed noradrenalinogenic cells and interrenal cells in the tench (Tinca tinca L.)] Romain R, et al. **C R Soc Biol (Paris) 166:322-7, 9 Nov 72 (Fre)**

URINE

Metabolic responses to cold and catecholamines as a function of age in swine (Sus domesticus). Stanton HC, et al. **Comp Biochem Physiol [A] 45:215-25, 1 May 73**

Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. **J Lab Clin Med 81:889-96, Jun 73**

Urinary epinephrine and norepinephrine responses to chair restraint in the monkey. Mason JW, et al. **Physiol Behav 10:801-4, Apr 73**

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H. **Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)**

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. **Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)**

NORMETANEPHRINE

ANALYSIS

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

[Catecholamine metabolism in rats in experimental adrenal hypertension] Rasin MS. **Ukr Biokhim Zh 44:395-9, 1972 (Eng. Abstr.) (Ukr)**

URINE

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H. **Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)**

PHEOCHROMOCYTOMA

Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. **Calif Med 118:1-6, Jun 73**

Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al. **Mo Med 70:313-5, May 73**

BLOOD

[Renin activity in the blood plasma in pheochromocytoma] Serebrovskaia IuA, et al. **Kardiologiia 13:122-8, Apr 73 (Eng. Abstr.) (Rus)**

COMPLICATIONS

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al. **Ann Intern Med 78:845-52, Jun 73**

Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. **South Med J 66:497-500, Apr 73**

Medullary carcinoma of the thyroid gland. Dunn EL, et al. **Surgery 73:848-58, Jun 73**

[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.

LIBRARY U. OF I., URBANA-CHAMPAIGN

Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pheochromocytoma and medullary carcinoma of the thyroid in Sipple's syndrome] Jedvab M, et al. Harefuah 84:386-9, 1 Apr 73 (Eng. Abstr.) (Heb)
[The diagnostic value of determining renin activity and the plasma concentration of potassium in patients with Conn's syndrome and arterial hypertension] Gerasimenko PP.
Kardiologiia 13:101-6, Mar 73 (Eng. Abstr.) (Rus)
[Benign pheochromocytoma with a finding of nodose hyperplasia of the adrenal cortex, para-aortal paragnaglioma and repeated fibroadenomas of the breast in a long-term follow up patient] Balažovjech I, et al.
Bratisl Lek Listy 59:606-14, 1973 (Eng. Abstr.) (Slo)

DIAGNOSIS

Modified Pisano method for estimating urinary metanephrines. Gupta RN, et al.
Clin Chem 19:611-4, Jun 73
Hypertensive disorders in pregnancy. De Alvarez RR.
Clin Obstet Gynecol 16:47-71, Mar 73
Potential organ or tumor imaging agents. 11. Radioiodinated tyramines. Counsell RE, et al.
J Med Chem 16:684-7, Jun 73
Egg shell calcification in phaeochromocytoma. Neilson J, et al. J R Coll Surg Edinb 18:183-7, May 73
Malignant non-functioning pheochromocytoma of the organ of Zuckerkandl masquerading as a primary carcinoma of the prostate with metastases. Melicow MM, et al. J Urol 110:97-103, Jul 73
Hemodynamic factors conditioning the hypotensive response to phentolamine. Limitations of the test in the screening of pheochromocytoma. Guazzi M, et al.
Jap Heart J 14:1-11, Jan 73
Beta-adrenergic receptor blocking drugs. Lawrence T, et al. Med Clin North Am 57:985-99, Jul 73 (65 ref.)
[Correct therapeutic approach] Keller L, et al.
Orv Hetil 114:1458, 17 Jun 73 (Hun)
[Adrenal gammagram in humans using 131 I-dichlorodiphenyldichloroethane]
Skromne-Kadlubik G, et al.
Arch Inst Cardiol Mex 43:245-8, Mar-Apr 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Propranolol. Morrelli HF.
Ann Intern Med 78:913-7, Jun 73 (102 ref.)
[Beta receptor blockaders] Braun P.
Orv Hetil 114:1493-4, 24 Jun 73 (Hun)

ENZYMOLOGY

Human serum dopamine- -hydroxylase. Relationship to hypertension and sympathetic activity. Horwitz D, et al. Circ Res 32:594-9, May 73
Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73

FAMILIAL & GENETIC

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73
Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Chromosomes in Sipple's syndrome. Levan G, et al.
Lancet 1:1510, 30 Jun 73
Heredity and cancer in man. Knudson AG Jr, et al.
Prog Med Genet 9:113-58, 1973 (183 ref.)
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Pheochromocytoma and medullary carcinoma of the thyroid in Sipple's syndrome] Jedvab M, et al.
Harefuah 84:386-9, 1 Apr 73 (Eng. Abstr.) (Heb)

METABOLISM

Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73

PATHOLOGY

Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. DeLellis RA, et al. Cancer 32:227-35, Jul 73
Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73
Egg shell calcification in phaeochromocytoma. Neilson J, et al. J R Coll Surg Edinb 18:183-7, May 73
Malignant non-functioning pheochromocytoma of the organ of Zuckerkandl masquerading as a primary carcinoma of the prostate with metastases. Melicow MM, et al. J Urol 110:97-103, Jul 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al.
South Med J 66:497-500, Apr 73
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Plasma and extracellular fluid volumes in hypertension. Dustan HP, et al.
Circ Res 32:Suppl 1:73-83, 5 May 73

RADIOGRAPHY

Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. Calif Med 118:1-6, Jun 73
Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al.
Mo Med 70:313-5, May 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al.
South Med J 66:497-500, Apr 73
[Roentgenographic study of adrenal glands] Bonnin A, et al. Rev Prat 23:907-21, 21 Feb 73 (Fre)
[Selection of an effective method for performing pneumoretroperitoneum] Sharov BK.
Vestn Rentgenol Radiol 48:52-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

SURGERY

Pheochromocytoma. Tumor localization and surgical management. Gittes RF, et al. Calif Med 118:1-6, Jun 73
Pheochromocytoma: current management in a community hospital. Case reports. Felker RE, et al.
Mo Med 70:313-5, May 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al.
South Med J 66:497-500, Apr 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

THERAPY

[Correct therapeutic approach] Keller L, et al.
Orv Hetil 114:1458, 17 Jun 73 (Hun)

URINE

Modified Pisano method for estimating urinary metanephrines. Gupta RN, et al.
Clin Chem 19:611-4, Jun 73
Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al.
South Med J 66:497-500, Apr 73
[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)

VANILMANDELIC ACID

URINE

Modified Pisano method for estimating urinary metanephrines. Gupta RN, et al.
Clin Chem 19:611-4, Jun 73
Biosynthesis and storage of catecholamines in

pheochromocytoma and neuroblastoma cells. Itoh T, et al. J Lab Clin Med 81:889-96, Jun 73

Pheochromocytoma and renal artery stenosis: a review of the literature and case report. Bethea MC, et al. South Med J 66:497-500, Apr 73

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H. Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al. Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)

LIBRARY U. OF I., URBANA-CHAMPAIGN

1. Physical and Functional Aspects

GONADS

In vitro and in vivo studies of the effects of high hydrostatic pressures on chick embryonic organs. Haffen K, et al. Symp Soc Exp Biol 26:487-8, 1972

[Studies on long-term tolerance of glibornuride in the rat and in the dog] Schärer K, et al. Arzneim Forsch 22:Suppl 12a:2188+, Dec 72 (Eng. Abstr.) (Ger)

ABNORMALITIES

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. Acta Endocrinol (Kbh) 73:179-88, May 73

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73

Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. Obstet Gynecol 41:897-901, Jun 73

[LEOPARD syndrome (profuse lentiginosis)] Laugier P, et al. Bull Soc Fr Dermatol Syphiligr 79:540-1, 1972 (Fre)

[Turner's syndrome. Report of statistics concerning 60 cases] Rosenberg D, et al. Pediatrie 27:831-50, Dec 72 (Fre)

ANATOMY & HISTOLOGY

Daily rhythms in concentration of plasma cortisol in male and female gulf killifish, Fundulus grandis. Garcia LE, et al. Biol Bull 144:471-9, Jun 73

An evaluation of the criterion "organ weight" under conditions of growth retardation. Feron VJ, et al. Food Cosmet Toxicol 11:85-94, Feb 73

BLOOD SUPPLY

Some surgical implication of the anatomy of the cava-iliofemoral system. Miles RM, et al. Ann Surg 177:740-7, Jun 73

CYTOLOGY

The fine morphology of mouse primordial germ cells in extragonadal locations. Zamboni L, et al. Am J Anat 137:299-335, Jul 73

Ribeiroia marini: pathogenesis and larval trematode antagonism in the snail, biomphalaria glabrata. Huizinga HW. Exp Parasitol 33:350-64, Apr 73

DRUG EFFECTS

Comparative physiology: pineal gland. Reiter RJ. Annu Rev Physiol 35:305-28, 1973 (108 ref.)

Organosiloxanes and reproduction. Food Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. Poult Sci 52:712-8, Mar 73

[Gonadotoxic and embryotoxic action of the food dye amaranth] Shtenberg AI, et al. Vopr Pitan 31:28-33, Sep-Oct 72 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Relationship of fetal gonads to urinary estrogen excretion by the pregnant mare. Raeside JI, et al. Am J Vet Res 34:843-5, Jun 73

[Hydrostatic hyperpressures and survival of embryonal organs in chickens. Effect of compression speed] Mendel C, et al. C R Acad Sci [D] (Paris) 676:817-20, 29 Jan 73 (Fre)

ENZYMOLOGY

Histochemical distribution of "leucine" aminopeptidase in Oesophagostomum radiatum grown in vivo and in vitro. Douvres FW, et al. J Parasitol 59:417-24, Jun 73

[Hydrostatic hyperpressures and survival of embryonal organs in chickens. Effect of compression speed] Mendel C, et al. C R Acad Sci [D] (Paris) 676:817-20, 29 Jan 73 (Fre)

GROWTH & DEVELOPMENT

Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al. Biol Reprod 8:400-10, May 73

Daily rhythms of LH release in quail when gonadal development is initiated by long daylengths. Nicholls TJ, et al. J Reprod Fertil 33:363-4, May 73

IMMUNOLOGY

An immunological approach to fertility control. Joshi SH. Am J Pharm 145:22-6, Jan 73

The mechanism of inhibition of luteal function by heterologous antisera. Rao SS, et al. Indian J Med Res 60:1220-6, Aug 72

METABOLISM

Effect of simultaneous exposure to differences in photoperiod and temperature on the seasonal molt and reproductive system of the white-footed mouse, Peromyscus leucopus. Lynch GR. Comp Biochem Physiol [A] 44:1373-6, 1 Apr 73

Gorgoderina attenuata: uptake and incorporation of tyrosine, thymidine, and adenosine. Nollen PM, et al. Exp Parasitol 33:468-76, Jun 73

The site of action of the crustacean hyperglycemic hormone. Keller R, et al. Gen Comp Endocrinol 20:572-8, Jun 73

PATHOLOGY

Some surgical aspects in male hermaphroditism. Starup J, et al. Acta Chir Scand [Suppl] 433:132-6, 1973

Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. Obstet Gynecol 41:897-901, Jun 73

The reproductive systems of Indoplanorbis exustus (Deshayes) (Planorbidae: Pulmonata) and Lymnae rubiginosa (Michelin) (Lymnaeidae: Pulmonata) a description in healthy and trematode habouring snails. Ong PL, et al. Southeast Asian J Trop Med Public Health 4:46-54, Mar 73

PHYSIOLOGY

Relationship of fetal gonads to urinary estrogen excretion by the pregnant mare. Raeside JI, et al. Am J Vet Res 34:843-5, Jun 73

Minimal O 2 consumption as an index of thyroid status:

standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Organosiloxanes and reproduction.
Food Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)
The immune response in steroid deficient mice. Streng CB, et al. **Immunology** 24:559-65, Mar 73
[Solitary type of oogenesis exemplified by the lamellibranch mollusc Mizuhopecten yessoensis] Gruzova MN, et al.
Tsitologiia 15:283-90, Mar 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Statement issued by the International Commission of Radiological Protection after its meeting in November 1972. **Australas Radiol** 16:362, Dec 72
Radiation risk in pregnancy. Sternberg J.
Clin Obstet Gynecol 16:235-78, Mar 73 (23 ref.)
[Risk of biological damage due to ionizing radiations] Ricci A.
Minerva Med 64:1320-33, 18 Apr 73 (Eng. Abstr.) (Ita)

SURGERY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci** 265:321-33, Apr 73
Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. **Obstet Gynecol** 41:897-901, Jun 73

TRANSPLANTATION

[Hydrostatic hyperpressures and survival of embryonal organs in chickens. Effect of compression speed] Mendel C, et al.
C R Acad Sci [D] (Paris) 676:817-20, 29 Jan 73 (Fre)

LIBRARY U. OF L. URBANA-CHAMPAIGN

Ovary

CORPUS LUTEUM

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem 248:5042-9, 25 Jul 73**

Results of treatments of infertile women with defective luteal phases by human menopausal gonadotrophin and human chorionic gonadotrophin. Cooke ID. **J Reprod Fertil 33:355, May 73**

The effects of endogenous compounds on ovine myometrial contractility and adenyl cyclase system. Rossier G, et al. **J Reprod Fertil 33:362-3, May 73**

ANALYSIS

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod 8:435-40, May 73**

Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. **J Endocrinol 57:199-206, May 73**

ANATOMY & HISTOLOGY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: a local venoarterial pathway between uterus and ovaries in sheep. Ginther OJ, et al. **Am J Vet Res 34:723-8, Jun 73**

Ovulation in the spotted skunk (Spilogale putorius latifrons). Greensides RD, et al. **Biol Reprod 8:576-84, Jun 73**

Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL. **Biol Reprod 8:618-24, Jun 73**

Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. **J Anim Sci 36:1164-9, Jun 73**

Effect of superovulation on litter size of swine at 70 days of gestation. Deneke WA, et al. **J Anim Sci 36:1137-8, Jun 73**

Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al. **J Dairy Sci 56:738-43, Jun 73**

The reproductive status of female mink, Mustela vision, recorded as 'failed to mate'. Adams CE. **J Reprod Fertil 33:527-9, Jun 73**

CYTOLOGY

Preparation and characterization of plasma membranes from bovine corpus luteum. Gospodarowicz D. **J Biol Chem 248:5050-6, 25 Jul 73**

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem 248:5042-9, 25 Jul 73**

The fine structure of the lutein cells in the mink (Mustela vison) with special reference to the secretory activity during pregnancy. Moller OM. **Z Zellforsch Mikrosk Anat 138:523-44, 1973**

[The ultrastructure of the human corpus luteum. I. Evolution during the menstrual cycle] Laffargue P, et al. **Ann Anat Pathol (Paris) 17:425-48, Oct-Dec 72 (Eng. Abstr.) (Fre)**

DRUG EFFECTS

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al. **Endocrinology 92:1667-72, Jun 73**

Dominant lethal study of p,p'-DDT in rats. Palmer KA, et al. **Food Cosmet Toxicol 11:53-62, Feb 73**

Assessment of the teratogenic activity of dithiocarbamate fungicides. Petrova-Vergieva T, et al. **Food Cosmet Toxicol 11:239-44, Apr 73**

Effect of oestrogen administration on the corpora lutea of albino rats. Nagrani P, et al. **Indian J Med Res 60:1779-84, Dec 72**

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci 36:1149-57, Jun 73 (75 ref.)**

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem 248:5042-9, 25 Jul 73**

Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al. **J Endocrinol 57:299-305, May 73**

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. **J Endocrinol 57:217-33, May 73**

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. **J Reprod Fertil 33:457-67, Jun 73**

Ovulation, fertility and prenatal mortality in heifers treated with PMSG or porcine FSH. Laster DB. **J Reprod Fertil 33:275-82, May 73**

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al. **J Reprod Med 10:295-300, Jun 73**

[Effect of cAMP and of regulator protein on the in vitro action of human chorionic gonadotropin (HCG) on the corpus luteum] Hermier C, et al. **C R Acad Sci [D] (Paris) 275:1415-21, 25 Sep 72 (Fre)**

[Effect of copper ions on pregnancy in rats and rabbits] Marois M, et al. **C R Soc Biol (Paris) 166:1237-40, 1972 (Fre)**

[Postpartal continuous administration of ethinodiol diacetate as a contraceptive agent] Friedrich F, et al. **Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Eng. Abstr.) (Ger)**

[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)**

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)**

ENZYMOLOGY

Preparation and characterization of plasma membranes from bovine corpus luteum. Gospodarowicz D. **J Biol Chem 248:5050-6, 25 Jul 73**

METABOLISM

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod 8:435-40, May 73**

Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. **J Endocrinol 57:199-206, May 73**

[The ultrastructure of the human corpus luteum. I. Evolution during the menstrual cycle] Laffargue P, et al. **Ann Anat Pathol (Paris) 17:425-48, Oct-Dec 72 (Eng. Abstr.) (Fre)**

[Effect of cAMP and of regulator protein on the in vitro action of human chorionic gonadotropin (HCG) on the corpus luteum] Hermier C, et al. **C R Acad Sci [D] (Paris) 275:1415-21, 25 Sep 72 (Fre)**

PATHOLOGY

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)**

PHYSIOLOGY

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: a local venoarterial pathway between uterus and ovaries in sheep. Ginther OJ, et al. Am J Vet Res 34:723-8, Jun 73
Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. Clin Chim Acta 45:9-18, 19 Apr 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W. Ergeb Physiol 67:69-168, 1972 (344 ref.)
Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73
Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK.
J Anim Sci 36:1149-57, Jun 73 (75 ref.)
Division of the uterine vein and the function of the adjacent ovary in the ewe. Baird DT, et al.
J Reprod Fertil 33:393-7, Jun 73
[New data on the regulation of the estrus cycle by the corpus luteum in guinea pigs] Jesel L.
C R Acad Sci [D] (Paris) 276:565-7, 22 Jan 73 (Fre)
[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)
[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

RADIATION EFFECTS

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al.
Endocrinology 92:1667-72, Jun 73

SECRETION

Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al.
J Endocrinol 57:299-305, May 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 1:888, 21 Apr 73
The fine structure of the lutein cells in the mink (Mustela vison) with special reference to the secretory activity during pregnancy. Moller OM.
Z Zellforsch Mikrosk Anat 138:523-44, 1973

TRANSPLANTATION

Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL.
Biol Reprod 8:618-24, Jun 73

GRAAFIAN FOLLICLE

Proteins of human follicular fluid: the blood-follicle barrier. Shalgi R, et al. Fertil Steril 24:429-34, Jun 73
Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. J Reprod Fertil 33:231-7, May 73

ANATOMY & HISTOLOGY

Ovulation in the spotted skunk (Spilogale putorius latifrons). Greensides RD, et al.
Biol Reprod 8:576-84, Jun 73
Synchronization of estrus and ovulation in the mare with methallibure. First NL.
J Anim Sci 36:1143-8, Jun 73
Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. Brand A, et al.
J Reprod Fertil 33:431-9, Jun 73

BLOOD SUPPLY

Characterization of follicles from hens of a normal and a blood-spot strain. Merkley JW, et al.
Poult Sci 52:116-21, Jan 73

CYTOLOGY

[Changes in the follicular epithelium and ovum membrane formation during oogenesis in the marine sheatfish] Gabaeva NS, et al.
Arkh Anat Gistol Embriol 63:97-106, Aug 72 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. J Endocrinol 57:217-33, May 73
Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:457-67, Jun 73
Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin. Neal P, et al.
J Reprod Fertil 33:399-401, Jun 73

GROWTH & DEVELOPMENT

Endocrine control of clutch size in reptiles. II. Compensatory follicular hypertrophy following partial ovariectomy in Anolis carolinensis. Jones RE, et al. Gen Comp Endocrinol 20:550-5, Jun 73
Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. J Anim Sci 36:1164-9, Jun 73
Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. Brand A, et al.
J Reprod Fertil 33:431-9, Jun 73
Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit. Foxcroft GR, et al. J Reprod Fertil 33:367-77, Jun 73
The ovary of rock hyrax of the genus Procavia. Kayanja FI, et al. J Reprod Fertil 33:223-30, May 73
[Changes in the follicular epithelium and ovum membrane formation during oogenesis in the marine sheatfish] Gabaeva NS, et al.
Arkh Anat Gistol Embriol 63:97-106, Aug 72 (Eng. Abstr.) (Rus)

METABOLISM

Recent studies on the mode of action of human FSH. Butt WR, et al. Endocrinol Exp (Bratisl) 7:37-41, 1973
[Changes in the follicular epithelium and ovum membrane formation during oogenesis in the marine sheatfish] Gabaeva NS, et al.
Arkh Anat Gistol Embriol 63:97-106, Aug 72 (Eng. Abstr.) (Rus)

PATHOLOGY

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate women with and without ovarian follicles. Goldenberg RL, et al. Am J Obstet Gynecol 116:1003-12, 1 Aug 73
Gonadal dygenesis with isochromosome X and menstruation. Stafford TM, et al.
Am J Obstet Gynecol 116:886, 15 Jul 73
Endocrine control of clutch size in reptiles. II. Compensatory follicular hypertrophy following partial ovariectomy in Anolis carolinensis. Jones RE, et al. Gen Comp Endocrinol 20:550-5, Jun 73
[New data on the regulation of the estrus cycle by the

LIBRARY U. OF I., URBANA-CHAMPAIGN

corpus luteum in guinea pigs] Jesel L.
C R Acad Sci [D] (Paris) 276:565-7, 22 Jan 73 (Fre)

OVARY

Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Nakayama I, et al. Am J Pathol 71:279-94, May 73
Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster. Orsini MW, et al. Biol Reprod 8:515-22, Jun 73
Changes in firing rates of single preoptic and hypothalamic units following an intravenous administration of estrogen in the castrated female rat. Yagi K. Brain Res 53:343-52, 27 Apr 73
Cooperative clinical trials in primary breast cancer: a critical appraisal. Fisher B.
Cancer 31:1271-86, May 73 (25 ref.)
Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. Cancer 32:31-7, Jul 73
Gonadotropin inhibitory factors (GIF) in rats. Saxena A. Endocrinol Exp (Bratisl) 7:69-74, 1973
Hypothalamic control of secretion of gonadotrophins. Sheehan HL. Endocrinol Exp (Bratisl) 7:49-51, 1973
Sexual dimorphism in the primary immune response of the Syrian hamster. Blazkovec AA, et al.
Int Arch Allergy Appl Immunol 44:274-93, 1973
Surface antigens of mammalian cells as genetic markers. II. Wuthier P, et al.
J Exp Med 138:229-44, 1 Jul 73
Direction of DNA replication in mammalian cells. Huberman JA, et al. J Mol Biol 75:5-12, 25 Mar 73
Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al.
Neuroendocrinology 11:370-4, 1973
Factors influencing the lesioning effect of gold thioglucose on the ventromedial hypothalamus of Bar Harbor obese mice. McLaughlin CL, et al.
Physiol Behav 10:339-43, Feb 73
Replication of DNA in mammalian chromosomes: isolation of replicating segments. Taylor JH.
Proc Natl Acad Sci USA 70:1083-7, Apr 73
Initiation and continuation of DNA replication are not associated with the nuclear envelope in mammalian cells. Wise GE, et al.
Proc Natl Acad Sci USA 70:714-7, Mar 73
Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Keefer DA, et al. Proc Soc Exp Biol Med 143:414-7, Jun 73
Transmission of Haemobartonella canis by the dog tick, Rhipicephalus sanguineus. Seneviratna P, et al.
Res Vet Sci 14:112-4, Jan 73
Studies on the fine structure of the protozoan Cyclidium, with special reference to the mitochondria, pellicle and surface-associated bacteria. Beams HW, et al.
Z Zellforsch Mikrosk Anat 139:303-10, 23 May 73
[Influence of ovariectomy on Hymenolepis nana parasitism in mice] Ballenger J, et al.
Ann Parasitol Hum Comp 47:779-82, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Functional exploration of the ovary. Physiological, biological, and clinical aspects] Labadie P.
Rev Prat 22:4533-64, 11 Dec 72 (Fre)

ABNORMALITIES

A stable human dicentric chromosome, t dic (12;14)(p13;p13) including an intercalary satellite region between centromeres. Warburton D, et al.
Am J Hum Genet 25:439-45, Jul 73
[Development of internal female genital aplasia with special reference to the Mayer-Rokitansky-Küster syndrome] Schmid-Tannwald I, et al.
Zentralbl Gynaekol 95:421-8, 20 Mar 73 (Ger)

ANALYSIS

Proteins from biologically active ribosomal subparticles of Xenopus leavis. Pratt H, et al.
Biochim Biophys Acta 310:188-204, 17 May 73
Lipid metabolism in the northern pike (Esox lucius L.). II. The composition of the total lipids and of the fatty acids isolated from lipid classes and some tissues of the northern pike. Kluytmans JH, et al.
Comp Biochem Physiol [B] 44:459-66, 15 Feb 73
Long retention of urethan transferred into newborn mice transplacentally, as a possible cause of high carcinogenesis. Nomura T, et al. Gann 64:29-40, Feb 73
Origins and development of interstitial tissue in ovaries of rabbit and guinea-pig. Deanesly R.
J Anat 113:251-60, Nov 72
Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. Reyes FI, et al.
J Clin Endocrinol Metab 37:74-8, Jul 73
Role of selenium in neural physiology of avian species. 2. The distribution of 75 Se from injected selenomethionine- 75 Se in the tissues and its fate in livers of chickens. Vohra P, et al.
Poult Sci 52:644-7, Mar 73

ANATOMY & HISTOLOGY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: a local venoarterial pathway between uterus and ovaries in sheep. Ginther OJ, et al. Am J Vet Res 34:723-8, Jun 73
Comparative effects of continual lighting and pinealectomy on the eyes, the Harderian glands and reproduction in pigmented and albino rats. Reiter RJ.
Comp Biochem Physiol [A] 44:503-9, 1 Feb 73
Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Peng MT, et al. Fertil Steril 24:534-9, Jul 73
Antifertility activity of an indigenous plant preparation (ROC-101). I. Effect on reproduction. Munshi SR, et al. Indian J Med Res 60:1054-60, Jul 72
Origins and development of interstitial tissue in ovaries of rabbit and guinea-pig. Deanesly R.
J Anat 113:251-60, Nov 72
Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. J Anim Sci 36:1164-9, Jun 73
Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. Brand A, et al.
J Reprod Fertil 33:431-9, Jun 73
Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit. Foxcroft GR, et al. J Reprod Fertil 33:367-77, Jun 73
The ovary of rock hyrax of the genus Procavia. Kayanja FI, et al. J Reprod Fertil 33:223-30, May 73
Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin. Neal P, et al.
J Reprod Fertil 33:399-401, Jun 73
Effects of sections of utero-ovarian vascular connections on the duration of pseudopregnancy in the rat. O'Shea JD, et al.
J Reprod Fertil 33:245-53, May 73
Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73
The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al.
Poult Sci 52:712-8, Mar 73
Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al.
Tohoku J Exp Med 108:199-206, Nov 72
Endoscopy in cattle: observation of the ovary in situ. Wishart DF, et al. Vet Rec 92:139-43, 10 Feb 73
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al.
Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)
[Ovarian histostructure in pregnant cows] Avakaiants BA. Veterinariia 10:50-3, Oct 72 (Rus)

BLOOD SUPPLY

The development of the adrenergic structures of the ovaries. Leontiuk LA.
Acta Physiol Pol 24:233-41, Jan-Feb 73
Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: a local venoarterial pathway between uterus and ovaries in sheep. Ginther OJ, et al. Am J Vet Res 34:723-8, Jun 73
The PO 2 , pH and oxygen content of ovarian venous blood of sheep. Baird DT, et al.
J Endocrinol 57:405-11, Jun 73
Effects of sections of utero-ovarian vascular connections on the duration of pseudopregnancy in the rat. O'Shea JD, et al.
J Reprod Fertil 33:245-53, May 73
Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats:

evidence for local effects. Prasad DS, et al. **J Reprod Fertil 33:519-22, Jun 73**

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)**

CYTOLOGY

A stable human dicentric chromosome, t dic (12;14)(p13;p13) including an intercalary satellite region between centromeres. Warburton D, et al. Am J Hum Genet 25:439-45, Jul 73

Specificity of mitochondrial and cytoplasmic ribosomes and elongation factors from Xenopus laevis. Swanson RF. Biochemistry 12:2142-6, 22 May 73

Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ. Biochim Biophys Acta 304:560-9, 28 Apr 73

Proteins from biologically active ribosomal subparticles of Xenopus laevis. Pratt H, et al. Biochim Biophys Acta 340:188-204, 17 May 73

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. Biol Reprod 8:435-40, May 73

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al. Comp Biochem Physiol [B] 45:579-84, 15 Jul 73

Origins and development of interstitial tissue in ovaries of rabbit and guinea-pig. Deanesly R. J Anat 113:251-60, Nov 72

Effects of thymidine on deoxyribonucleoside triphosphate pools and deoxyribonucleic acid synthesis in Chinese hamster ovary cells. Bjursell G, et al. J Biol Chem 248:3904-9, 10 Jun 73

Genetics of somatic mammalian cells. XVII. Induction and isolation of Chinese hamster cell mutants requiring serine. Jones C, et al. J Cell Physiol 81:299-303, Jun 73

Structure of microtubules: a study of freeze-etched and negatively stained microtubules from the ovaries of Notonecta. Stebbings H, et al. Z Zellforsch Mikrosk Anat 138:387-96, 17 Apr 73

[Development of gonads transplanted in the axoloti limb, as a function of the sex of the host. Ovary] Lazard L. C R Acad Sci [D] (Paris) 276:611-3, 22 Jan 73 (Fre)

[Physiological age of the Aedes mosquitoes] Dix V. Angew Parasitol 14:76-82, May 73 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effects of catecholamines on the smooth muscle of the female reproductive tract. Marshall JM. Annu Rev Pharmacol 13:19-32, 1973 (115 ref.)

Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells. Kapp LN, et al. Biochem Biophys Res Commun 52:1206-12, 19 Jun 73

Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL. Biol Reprod 8:618-24, Jun 73

Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus. Meier AH, et al. Biol Reprod 8:400-10, May 73

Induction of precocious sexual development in female pink salmon (Oncorhynchus gorbuscha). Funk JD, et al. Can J Zool 51:493-500, May 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. Clin Chim Acta 45:9-18, 19 Apr 73

The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al. Comp Biochem Physiol [A] 44:625-9, 1 Feb 73

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al. Endocrinology 93:34-41, Jul 73

A micro-method for the measurement of pharmacologically induced changes in purine derivatives. Kilbert LH Jr, et al. Horm Metab Res 5:216-20, May 73

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. J Anim Sci 36:1149-57, Jun 73 (75 ref.)

Effects of thymidine on deoxyribonucleoside triphosphate pools and deoxyribonucleic acid synthesis in Chinese hamster ovary cells. Bjursell G, et al. J Biol Chem 248:3904-9, 10 Jun 73

The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. J Biol Chem 248:4327-33, 25 Jun 73

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. J Endocrinol 57:217-33, May 73

Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin. Neal P, et al. J Reprod Fertil 33:399-401, Jun 73

Role of testosterone in normal female function. Ohno S, et al. Nature [New Biol] 243:119-20, 23 May 73

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. Poult Sci 52:712-8, Mar 73

Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. Proc Soc Exp Biol Med 143:422-6, Jun 73

[Maturation and ovulation in vitro of rainbow trout Salmo gairdneri ovocytes] Jalabert B, et al. C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)

[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al. C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)

[Action of estroprogestative agents in the quail (Coturnix-Coturnix)] Laugier C, et al. J Physiol (Paris) 65:Suppl 3:437A, 1972 (Fre)

[Vascular and gynecological consequences of estroprogestatives] Chabrier J, et al. Phlebologie 25:251-4, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al. Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA. J Embryol Exp Morphol 29:431-7, Apr 73

Genetic control of sexual difference. Federman DD. Prog Med Genet 9:215-35, 1973 (102 ref.)

Number of germ cells in known male and known female genotypes of vertebrate embryos (Oryzias latipes). Quirk JG, et al. Science 180:963-4, 1 Jun 73

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. Sov J Dev Biol 3:46-50, Jan-Feb 72

[Estrogen biosynthesis in ovary of hypophysectomized chick embryos: quantitative aspect] Akram H, et al. C R Acad Sci [D] (Paris) 276:359-61, 15 Jan 73 (Fre)

[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al. C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)

[Hypophyseal-ovarian relations in the chick embryo] Maraud R, et al. C R Soc Biol (Paris) 166:350-3, 9 Nov 72 (Fre)

[Enzyme histochemical studies on the function of fetal gonads] König PA, et al. Med Welt 23:1917-9, 16 Dec 72 (Ger)

[Development of internal female genital aplasia with special reference to the Mayer-Rokitansky-Küster syndrome] Schmid-Tannwald I, et al. Zentralbl Gynaekol 95:421-8, 20 Mar 73 (Ger)

ENZYMOLOGY

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al. Acta Endocrinol (Kbh) 73:146-70, May 73

Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells. Kapp LN, et al. Biochem Biophys Res Commun 52:1206-12, 19 Jun 73

Effects of gonadotropic hormones on rat ovarian lysosomes. Dimino MJ, et al. Biol Reprod 8:523-30, Jun 73

Non-specific esterases in several organs of Aedes aegypti (L.) during female adult life. Briegel H, et al. Comp Biochem Physiol [B] 44:371-80, 15 Feb 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al.
Comp Biochem Physiol [B] 45:579-84, 15 Jul 73

Effects of thymidine on deoxyribonucleoside triphosphate pools and deoxyribonucleic acid synthesis in Chinese hamster ovary cells. Bjursell G, et al. **J Biol Chem 248:3904-9, 10 Jun 73**

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. **J Endocrinol 57:217-33, May 73**

Studies on 17 -hydroxysteroid dehydrogenase in immature mouse ovarian tissue. Lerner N, et al.
J Steroid Biochem 4:193-203, Mar 73

[Measurement of the adsorption of K + and Na + ions on the enzymes, pyruvate kinase and creatine kinase, by the conductivimetric method. Relation between ion adsorption and enzyme activity] Starer-Mendes H.
Arch Sci Physiol (Paris) 26:339-48, 1972 (Fre)

[Enzyme histochemical studies on the function of fetal gonads] König PA, et al.
Med Welt 23:1917-9, 16 Dec 72 (Ger)

GROWTH & DEVELOPMENT

Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Hoffmann JC. **Biol Reprod 8:473-80, May 73**

Induction of precocious sexual development in female pink salmon (Oncorhynchus gorbuscha). Funk JD, et al. **Can J Zool 51:493-500, May 73**

The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al.
Comp Biochem Physiol [A] 44:625-9, 1 Feb 73

Origins and development of interstitial tissue in ovaries of rabbit and guinea-pig. Deanesly R.
J Anat 113:251-60, Nov 72

Effect of photoperiod and temperature on ovarian development in Culex pipiens pipiens. Sanburg LL, et al. **J Insect Physiol 19:1173-90, Jun 73**

Further evidence on the intrahypothalamic locus for androgenization of female rats. Nadler RD.
Neuroendocrinology 12:110-9, 1973

Blood-feeding requirements of the mosquito: geographical variation in Aedes taeniorhynchus. O'Meara GF, et al. **Science 180:1291-3, 22 Jun 73**

[Development of gonads transplanted in the axoloti limb, as a function of the sex of the host. Ovary] Lazard L.
C R Acad Sci [D] (Paris) 276:611-3, 22 Jan 73 (Fre)

IMMUNOLOGY

Effects of reproductive tissue-specific antisera on rabbit eggs. Sacco AG, et al.
Biol Reprod 8:481-90, May 73

High avidity tissue-specific antibodies using tolerant and non-tolerant animals. Treiford JD, et al.
J Med (Basel) 4:1-11, 1973

[Early menopause as expression of an autoimmune type disease. Endocrine and immunologic study] Maneiro PJ, et al.
Ginecol Obstet Mex 33:407-13, Apr 73 (Eng. Abstr.) (Spa)

INJURIES

[Traumatic dislocation of an ovary in a child] Polishchuk FA.
Khirurgiia (Mosk) 48:120, Sep 72 (Rus)

INNERVATION

The development of the adrenergic structures of the ovaries. Leontiuk LA.
Acta Physiol Pol 24:233-41, Jan-Feb 73

METABOLISM

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. **Am J Obstet Gynecol 116:401-7, 1 Jun 73**

Dephosphorylation of histone fractions of cultured mammalian cells. Shepherd GR, et al.
Arch Biochem Biophys 153:599-602, Dec 72

Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells. Kapp LN, et al.
Biochem Biophys Res Commun 52:1206-12, 19 Jun 73

Specificity of mitochondrial and cytoplasmic ribosomes and elongation factors from Xenopus laevis. Swanson RF. **Biochemistry 12:2142-6, 22 May 73**

Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ.
Biochim Biophys Acta 304:560-9, 28 Apr 73

Methylation rapidly reannealing DNA during the cell cycle of Chinese hamster cells. Schneiderman MH, et al. **Biochim Biophys Acta 308:352-60, 18 May 73**

The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex. Lupo Di Prisco C, et al. **Comp Biochem Physiol [B] 44:567-75, 15 Feb 73**

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al.
Comp Biochem Physiol [B] 45:579-84, 15 Jul 73

Recent studies on the mode of action of human FSH. Butt WR, et al. **Endocrinol Exp (Bratisl) 7:37-41, 1973**

Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al.
Endocrinol Exp (Bratisl) 7:85-8, 1973

Incorporation of orthophosphate 32Pi into the phospholipids of slices of gonads, anterior pituitary and liver of calf. Basinska J, et al.
Endocrinology 92:1763-9, Jun 73

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73

A micro-method for the measurement of pharmacologically induced changes in purine derivatives. Kilbert LH Jr, et al.
Horm Metab Res 5:216-20, May 73

Effects of thymidine on deoxyribonucleoside triphosphate pools and deoxyribonucleic acid synthesis in Chinese hamster ovary cells. Bjursell G, et al. **J Biol Chem 248:3904-9, 10 Jun 73**

Attachment to the luteal plasma membranes: an early event in the action of luteinizing hormone. Rajaniemi H, et al. **J Endocrinol 57:199-206, May 73**

Incorporation of orally administered radioactive precursors into nucleic acids and ribosomes of housefly ovaries. al-Adil KM, et al.
J Insect Physiol 19:909-15, Apr 73

Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers. Fried J, et al.
J Med Chem 16:429-30, Apr 73

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al.
J Neural Transm 34:11-22, 1973

Effect of zinc repletion late in gestation on parturition in the zinc-deficient rat. Apgar J.
J Nutr 103:973-81, Jul 73

Conversion of ascaroside esters to free ascarosides in fertilized eggs of Ascaris suum (nematoda). Tarr GE, et al. **J Parasitol 59:428-33, Jun 73**

Glycerides, waxes and sterols in ovaries of Ascaris lumbricoides (Nematoda). Tarr GE, et al.
Lipids 8:303-10, May 73

Health information in the mass media: the case of chorionic gonadotropin and obesity. De Kretser DM.
Med J Aust 1:462, 3 Mar 73

Gonadotrophic fluctuation in the rat during pregnancy, labor and early stage of lactation. Nagai S, et al.
Tohoku J Exp Med 108:199-206, Nov 72

Distribution and effects of DDT in the pregnant rabbit. Hart MM, et al. **Xenobiotica 2:567-74, Nov 72**

[Estrogen biosynthesis in ovary of hypophysectomized chick embryos: quantitative aspect] Akram H, et al.
C R Acad Sci [D] (Paris) 276:359-61, 15 Jan 73 (Fre)

[Development of gonads transplanted in the axoloti limb, as a function of the sex of the host. Ovary] Lazard L.
C R Acad Sci [D] (Paris) 276:611-3, 22 Jan 73 (Fre)

MICROBIOLOGY

Salmonella in the laying hen. 1. Salmonella recovery from viscera, feces and eggs following oral inoculation. Cox NA, et al. **Poult Sci 52:661-6, Mar 73**

PATHOLOGY

Acute lymphoblastic leukemia with pulmonary complications. **Am J Med 55:71-9, Jul 73**

Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate

women with and without ovarian follicles. Goldenberg RL, et al. Am J Obstet Gynecol 116:1003-12, 1 Aug 73
Genetic cutaneous disorders with gynecologic tumors. Walker RH, et al.
Am J Obstet Gynecol 116:485-92, 15 Jun 73
Cyclophosphamide therapy in systemic lupus erythematosus and polymyositis. Fries JF, et al. Arthritis Rheum 16:154-62, Mar-Apr 73
Relationship between uterine cysts and ovarian activity in Western Australian ewes. Adams NR. Aust Vet J 49:176, Mar 73
Borderline and malignant mucinous tumors of the ovary. Histologic criteria and clinical behavior. Hart WR, et al. Cancer 31:1031-45, May 73
Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. Cancer 31:1440-50, Jun 73
The mesonephroid (hypernephroid) carcinomatous pattern--a rare variant of primary endocervical adenocarcinoma. Parker JC Jr, et al. Cancer 32:259-65, Jul 73
The ovarian carcinoid. Trevenen C, et al. Cancer 31:1482-6, Jun 73
An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973
[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)
[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al.
Rev Fr Endocrinol Clin 13:107-21, Mar-Apr 72 (Eng. Abstr.) (Fre)
[Fourteen-year-old contrast media deposits in both Fallopian tubes following hysterosalpingography] Weise W, et al.
Zentralbl Gynaekol 95:457-62, 6 Apr 73 (Ger)
[Gonadotoxic and embryotoxic action of the food dye amaranth] Shtenberg AI, et al.
Vopr Pitan 31:28-33, Sep-Oct 72 (Eng. Abstr.) (Rus)
[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73
The effect of estrogen on collagen synthesis at the site of a skin autograft. Yang SL, et al.
Am J Obstet Gynecol 116:694-7, 1 Jul 73
The effects of luteinizing hormone, oestrogen and ovariectomy on the agonistic behaviour of female Quelea quelea. Lazarus J, et al.
Anim Behav 21:49-60, Feb 73
Some hormones involved in the nesting behaviour of hens. Wood-Gush DG, et al.
Anim Behav 21:98-103, Feb 73
Influence of natural and synthetic estrogens on the course of autoimmune disease in the NZB-NZW mouse. Walker SE, et al.
Arthritis Rheum 16:231-9, Mar-Apr 73
The effect of actinomycin D on the binding of tritiated oestradiol by the vagina of the ovariectomized mouse. Stone GM, et al. Aust J Biol Sci 26:201-8, Feb 73
Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al.
Australas Radiol 22:1718-21, Oct 72
Cyclical wheel-running behavior in pregnant rats. Chiszar D, et al. Behav Biol 8:399-405, Mar 73
Induction of acetylcholinesterase by 17- estradiol in the brain of rats of various ages. Moudgil VK, et al. Biochem Biophys Res Commun 52:725-30, 8 Jun 73
Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al. Biochem Biophys Res Commun 52:64-73, 1 May 73
Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. Biochim Biophys Acta 299:576-87, 11 Apr 73
Effects of progesterone of the synthesis of ribonucleic acids in the uterus. Miller BG.
Biochim Biophys Acta 299:568-75, 11 Apr 73
Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. Biol Reprod 8:435-40, May 73
Effects of lesions in the lateral medulla on mating and responses to genital stimulation in female cats. Rose JD, et al. Brain Res 56:350-4, 29 Jun 73
The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al.
Comp Biochem Physiol [A] 44:625-9, 1 Feb 73
The influence of the gonad on the degeneration of the intestine in migrating river lampreys: Lampetra fluviatilis L. (Cyclostomata). Dockray GJ, et al.
Comp Biochem Physiol [A] 43:279-86, 1 Oct 72
Short-loop ("internal") pituitary-hypothalamus gonadotropin feedback in the human. Szontágh FE.
Endocrinol Exp (Bratisl) 7:65-7, 1973
Barbiturate blockade of tonic LH secretion in the male and female rat. Beattie CW, et al.
Endocrinology 92:1634-8, Jun 73
Plasma LH changes following cortical spreading depression in female rats. Colombo JA, et al.
Endocrinology 93:182-7, Jul 73
Progesterone and corticosterone binding in rabbit uterine cytosols. Faber LE, et al.
Endocrinology 93:74-80, Jul 73
Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. Endocrinology 92:1772-5, Jun 73
Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al.
Endocrinology 92:1714-24, Jun 73
Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Milković K, et al.
Endocrinology 93:115-8, Jul 73
Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat. Negro-Vilar A, et al. Endocrinology 92:1680-4, Jun 73
Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. O'Reilly PJ, et al. Endocrinology 92:1575-8, Jun 73
Gonadal function and the biological and physicochemical properties of follicle stimulating hormone. Peckham WD, et al.
Endocrinology 92:1660-6, Jun 73
Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al.
Endocrinology 93:156-61, Jul 73
Effects of cortical stimulation on estrous behavior in estrogen-primed ovariectomized rats. Ross JW, et al.
Endocrinology 93:20-5, Jul 73
Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al.
Endocrinology 92:1652-9, Jun 73
Effect of adrenalectomy on corticosterone maintenance of pregnancy in dietary protein deprivation: influence on hypophysial and serum prolactin. Morishige WK, et al.
Fertil Steril 24:527-33, Jul 73
Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Peng MT, et al. Fertil Steril 24:534-9, Jul 73
Endocrine control of clutch size in reptiles. II. Compensatory follicular hypertrophy following partial ovariectomy in Anolis carolinensis. Jones RE, et al. Gen Comp Endocrinol 20:550-5, Jun 73
The effect of intrauterine contraceptive devices on ovarian and menstrual function in the human. Martin PM, et al. J Clin Endocrinol Metab 36:1125-31, Jun 73
Effect of ovariectomy on the reproductive behavior of female ring doves (Streptopelia risoria). Cheng M.
J Comp Physiol Psychol 83:221-33, May 73
Effect of estrogen on behavior of ovariectomized ring doves (Streptopelia risoria). Cheng M.
J Comp Physiol Psychol 83:234-9, May 73
Effect of ovarian secretions on female behavioral potentiality in the rat. Gerall AA, et al.
J Comp Physiol Psychol 82:449-65, Mar 73
Estrogen-induced biogenic amine reduction in rat uterus. McKercher TC, et al.
J Pharmacol Exp Ther 185:514-22, Jun 73
Division of the uterine vein and the function of the adjacent ovary in the ewe. Baird DT, et al.
J Reprod Fertil 33:393-7, Jun 73
Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit. Foxcroft GR, et al. J Reprod Fertil 33:367-77, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

GONADS

OVARY

The ovary of rock hyrax of the genus Procavia. Kayanja FI, et al. **J Reprod Fertil** 33:223-30, May 73

Role of testosterone in normal female function. Ohno S, et al. **Nature [New Biol]** 243:119-20, 23 May 73

Functional castration of the female Japanese quail. Adkins EK. **Physiol Behav** 10:619-21, Mar 73

Estradiol induced suppression of feeding in the female rat: dependence on body weight. Redick JH, et al. **Physiol Behav** 10:543-7, Mar 73

Effects of central and peripheral anosmia on reproduction of female mice. Vandenbergh JG. **Physiol Behav** 10:257-61, Feb 73

Biological activity of phytoestrogens. VI. Fractionation of plasma proteins associated with -sitosterol treatment. Hassanein RR, et al. **Planta Med** 22:412-7, Dec 72

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci** 52:712-8, Mar 73

The effects of ahemeral light and dark cycles on egg production in the fowl. Morris TR. **Poult Sci** 52:423-45, Mar 73 (38 ref.)

Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al. **Science** 181:177-9, 13 Jul 73

[New data on the regulation of the estrus cycle by the corpus luteum in guinea pigs] Jesel L. **C R Acad Sci [D] (Paris)** 276:565-7, 22 Jan 73 **(Fre)**

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 276:593-6, 22 Jan 73 **(Fre)**

[Hypophyseal-ovarian relations in the chick embryo] Maraud R, et al. **C R Soc Biol (Paris)** 166:350-3, 9 Nov 72 **(Fre)**

[Effect of ovarian hormones and lactose, alone or combined, on bone disturbances consecutive to ovariectomy] Fontaine N. **J Physiol (Paris)** 65:Suppl 3:408A, 1972 **(Fre)**

[Motor activity of the uterus in the ewe. Electromyographic study] Rousseau JP, et al. **J Physiol (Paris)** 65:Suppl 3:493A, 1972 **(Fre)**

[Functional exploration of the ovary. Physiological, biological, and clinical aspects] Labadie P. **Rev Prat** 22:4533-64, 11 Dec 72 **(Fre)**

[Physiological age of the Aedes mosquitoes] Dix V. **Angew Parasitol** 14:76-82, May 73 (Eng. Abstr.) **(Ger)**

[Female gonadal gland] Nakayama T. **Clin Endocrinol (Tokyo)** 21:35-40, Jan 73 (15 ref.) **(Jap)**

[Adrenal cortex patterns in castrated female rats. Morphometric studies] Malarewicz A. **Ginekol Pol** 44:515-21, 1973 (Eng. Abstr.) **(Pol)**

[Urinary excretion of luteinizing hormone during diminished and lost ovarian function] Stankovski M, et al. **God Zb Med Fak Skopje** 18:195-205, 1972 (Eng. Abstr.) **(Ser)**

[Effect of ethinyl estradiol on the blood proteins and level of glycogen in rat liver] Selichenko AG. **Ukr Biokhim Zh** 44:596-602, 1972 (Eng. Abstr.) **(Ukr)**

PHYSIOPATHOLOGY

Autoimmune thyroiditis, adrenalitis and oophoritis. Edmonds M, et al. **Am J Med** 54:782-7, Jun 73

Modified hormonal control of enzymatic activity in tumors. Criss WE. **Am J Obstet Gynecol** 116:753-9, 15 Jul 73

Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married premenopausal women. Grattarola R. **Am J Obstet Gynecol** 116:423-8, 1 Jun 73

RADIATION EFFECTS

Maternal x-radiation and chromosome abnormalities in subsequent conceptions. Alberman ED. **Br J Prev Soc Med** 27:67-8, Feb 73

Comparative effects of continual lighting and pinealectomy on the eyes, the Harderian glands and reproduction in pigmented and albino rats. Reiter RJ. **Comp Biochem Physiol [A]** 44:503-9, 1 Feb 73

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al. **Endocrinology** 92:1667-72, Jun 73

[Dynamics of changes in the ovaries, hypophysis and adrenals in the latent period of radiation carcinogenesis] Pavlenko-Mikhailov IuN. **Vopr Onkol** 18:87, 1972 **(Rus)**

SECRETION

The secretion of fibrinolysin by cultured rat ovarian tumor cells. Yunis AA, et al. **Biochem Biophys Res Commun** 52:1003-12, 8 Jun 73

Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ. **Biochim Biophys Acta** 304:560-9, 28 Apr 73

Effect of ovarian secretions on female behavioral potentiality in the rat. Gerall AA, et al. **J Comp Physiol Psychol** 82:449-65, Mar 73

Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. **Physiol Behav** 10:701-5, Apr 73

The control and function of maternal scent marking the Mongolian gerbil. Wallace P, et al. **Physiol Behav** 10:463-6, Mar 73

Genetic control of sexual difference. Federman DD. **Prog Med Genet** 9:215-35, 1973 (102 ref.)

[Functional exploration of the ovary. Physiological, biological, and clinical aspects] Labadie P. **Rev Prat** 22:4533-64, 11 Dec 72 **(Fre)**

[Hormonal regulation of early mammalian embryogenesis] Baevskii IuB, et al. **Usp Sovrem Biol** 75:265-77, Mar-Apr 73 (94 ref.) **(Rus)**

SURGERY

Experiences with vesicovaginal fistulas. Persky L, et al. **Am J Surg** 125:763-6, Jun 73

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med** 23:1-18, 1972 (83 ref.)

Ectopic pregnancy after total hysterectomy. Bruder ML, et al. **Obstet Gynecol** 41:891-3, Jun 73

[Urinary excretion of luteinizing hormone during diminished and lost ovarian function] Stankovski M, et al. **God Zb Med Fak Skopje** 18:195-205, 1972 (Eng. Abstr.) **(Ser)**

TRANSPLANTATION

Hepatic ultrastructural changes in rats bearing intrasplenic ovarian autografts. Garg BD, et al. **Anat Anz** 133:171-9, 1973

Effect of ovarian secretions on female behavioral potentiality in the rat. Gerall AA, et al. **J Comp Physiol Psychol** 82:449-65, Mar 73

Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al. **J Endocrinol** 57:299-305, May 73

The PO 2 , pH and oxygen content of ovarian venous blood of sheep. Baird DT, et al. **J Endocrinol** 57:405-11, Jun 73

Studies on fertility of DDK mice: reciprocal crosses between DDK and C57BL/6J strains and experimental transplantation of the ovary. Wakasugi N. **J Reprod Fertil** 33:283-91, May 73

Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. **Physiol Behav** 10:701-5, Apr 73

Prolonged survival of ovarian allografts in rats pretreated with normal ribonucleic acid. Scharovsky GO, et al. **Transplantation** 15:329-31, Mar 73

[Development of gonads transplanted in the axoloti limb, as a function of the sex of the host. Ovary] Lazard L. **C R Acad Sci [D] (Paris)** 276:611-3, 22 Jan 73 **(Fre)**

Testis

LEYDIG CELLS

Histochemical observations of the testis of frog, Rana pipiens. Short communication. Guraya SS.
Acta Biol Acad Sci Hung 23:327-9, 1972

Effect of bilateral vasectomy on the structure and function of the testes. Kothari LK, et al.
Am J Surg 126:84-8, Jul 73

Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al.
Fertil Steril 24:485-6, Jun 73

The ultrastructure of the boundary tissue of the seminiferous tubule in the testis of the domestic fowl (Gallus domesticus). Rothwell B, et al.
J Anat 114:321-8, Apr 73

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J.
J Endocrinol 57:437-49, Jun 73

Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al.
J Med Genet 10:170-4, Jun 73

[Embryopathy caused by hepatitis viruses?] Creutzfeldt W.
Dtsch Med Wochenschr 98:1350, 6 Jul 73 (Ger)

ANALYSIS

Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. J Reprod Fertil 33:379-83, Jun 73

CYTOLOGY

Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Neaves WB. Biol Reprod 8:451-66, May 73

Cellular composition of fractions of mouse testis cells following velocity sedimentation separation. Meistrich ML, et al. Exp Eye Res 79:213-27, Apr 73

[Seasonal changes in Sertoli and Leydig cell activity in the testis of the golden hamster. Karyometric study] Vendrely E, et al.
C R Acad Sci [D] (Paris) 275:1143-6, 11 Sep 72 (Fre)

[Attempt at classification of testicular anomalies] Lushcha AL, et al.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. Clin Endocrinol (Oxf) 1:141-7, Apr 72

Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al.
Endocrinology 93:127-34, Jul 73

[Age and endocrine function of the testes in adult man] Nieschlag E, et al.
Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)

[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973

Histochemical localization of 3 - and 17 -hydroxysteroid dehydrogenases in the male reprodutive tract of the domestic fowl (Gallus domesticus). Tingari MD.
Histochem J 5:57-65, Jan 73

Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. J Reprod Fertil 33:379-83, Jun 73

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D.
C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)

METABOLISM

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973

Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al.
Endocrinology 93:127-34, Jul 73

Uptake of horseradish peroxidase by the testis and epididymis of mice. II. Electron microscopic study of the testis. Aragon JA, et al.
J Reprod Fertil 33:189-95, May 73

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D.
C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)

PHYSIOLOGY

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. Clin Endocrinol (Oxf) 1:141-7, Apr 72

Reproductive function in the human male. Report of a WHO scientific group.
WHO Tech Rep Ser 520:1-34, 1973

[Seasonal changes in Sertoli and Leydig cell activity in the testis of the golden hamster. Karyometric study] Vendrely E, et al.
C R Acad Sci [D] (Paris) 275:1143-6, 11 Sep 72 (Fre)

[Age and endocrine function of the testes in adult man] Nieschlag E, et al.
Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)

[Male gonadal gland] Ochiai K, et al.
Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) (Jap)

PHYSIOPATHOLOGY

Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. Metabolism 22:875-84, Jul 73

SERTOLI CELLS

Effect of bilateral vasectomy on the structure and function of the testes. Kothari LK, et al.
Am J Surg 126:84-8, Jul 73

The ultrastructure of the boundary tissue of the seminiferous tubule in the testis of the domestic fowl (Gallus domesticus). Rothwell B, et al.
J Anat 114:321-8, Apr 73

[Hemato-testicular barrier] Raftsina SS, et al.
Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)

ANALYSIS

The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus

LIBRARY U. OF I., URBANA-CHAMPAIGN

domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73
Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al.
J Med Genet 10:170-4, Jun 73
Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. J Reprod Fertil 33:379-83, Jun 73

CYTOLOGY

Histochemical observations of the testis of frog, Rana pipiens. Short communication. Guraya SS.
Acta Biol Acad Sci Hung 23:327-9, 1972
Cellular composition of fractions of mouse testis cells following velocity sedimentation separation. Meistrich ML, et al. Exp Eye Res 79:213-27, Apr 73
The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73
Observations on freshly isolated and accurately identified spermatogenic cells of the rat. Early effects of heat and short-time experimental cryptorchidism. Parvinen M.
Virchows Arch [Zellpathol] 13:38-47, 15 May 73
[Seasonal changes in Sertoli and Leydig cell activity in the testis of the golden hamster. Karyometric study] Vendrely E, et al.
C R Acad Sci [D] (Paris) 275:1143-6, 11 Sep 72 (Fre)
[Attempt at classification of testicular anomalies] Lushcha AL, et al.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973
The effect of hypophysectomy on testicular hydrolases, lactate dehydrogenase, and spermatogenesis in the rat. Elkington JS, et al.
Aust J Biol Sci 26:491-503, Apr 73
The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73
Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. J Reprod Fertil 33:379-83, Jun 73

GROWTH & DEVELOPMENT

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. Anat Rec 176:331-44, Jul 73
The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73

METABOLISM

Uptake of horseradish peroxidase by the testis and epididymis of mice. II. Electron microscopic study of the testis. Aragon JA, et al.
J Reprod Fertil 33:189-95, May 73

PHYSIOLOGY

The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73
[Seasonal changes in Sertoli and Leydig cell activity in the testis of the golden hamster. Karyometric study] Vendrely E, et al.
C R Acad Sci [D] (Paris) 275:1143-6, 11 Sep 72 (Fre)

TESTIS

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73
Bovine virus diarrhoea virus: acquired resistance to acriflavine. Brief report. Dinter Z, et al.
Arch Gesamte Virusforsch 38:272-7, 1972
Induction of tumors in hamsters with a bovine adenovirus strain (serotype 8). Rondhuis PR.
Arch Gesamte Virusforsch 41:147-9, 1973
Chronic Brugia pahangi and Brugia malayi infections in Meriones unguiculatus. Ash LR.
J Parasitol 59:442-7, Jun 73
The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al.
J Reprod Fertil 33:441-50, Jun 73
A natural-feeling testicular prosthesis. Lattimer JK, et al. J Urol 110:81-3, Jul 73
An adenovirus isolated from kidney cell culture of apparently normal piglet. Kawamura H, et al.
Natl Inst Anim Health Q (Tokyo) 12:173-82, Winter 72
[Influence of androgenic hormones on Hymenolepis nana parasitism in male mice. I. Effects of orchiectomy] Ballenger J, et al.
Ann Parasitol Hum Comp 47:773-7, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Behavior of smooth muscle after intratesticular transplantation in the rat] Tharanne MJ, et al.
C R Soc Biol (Paris) 166:423-5, 9 Nov 72 (Fre)

ABNORMALITIES

Monorchic Moniliformis dubius (Acanthocephala). Crompton DW. Int J Parasitol 2:483, Nov 72
Inherited disorders causing infertility in the bull. Gledhill BL.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)
Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. J Clin Endocrinol Metab 36:1132-42, Jun 73
FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al.
J Clin Endocrinol Metab 37:68-73, Jul 73
Hypodactyly, a new recessive mutation in the Norway rat. Moutier R, et al. J Hered 64:99-100, Mar-Apr 73
Tetralogy studies on methylmercury hydroxide and nitrilotriacetate sodium in rats. Scharpf LG Jr, et al.
Nature 243:461-3, 16 Feb 73
The teratogenicity of cadmium chloride in two stocks of Wistar rats. Barr M Jr. Teratology 7:237-42, Jun 73
[Combined heart-skin disorders: the LEOPARD syndrome] Battin J, et al.
Arch Fr Pediatr 29:1117-8, Dec 72 (Fre)
[Malignant ectopic testicle] Răzeşu V, et al.
Chirurgia (Bucur) 22:535-8, Jun 73 (Eng. Abstr.) (Rum)
[Colpopoiesis operations in testicular forms of hermaphroditism] Golubeva IV, et al.
Probl Endokrinol (Mosk) 19:44-6, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Attempt at classification of testicular anomalies] Lushcha AL, et al.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

ANALYSIS

The distribution of free myo-inositol in fluids, spermatozoa, and tissues of the bull genital tract and observations on its uptake by the rabbit epididymis. Voglmayr JK, et al. Biol Reprod 8:504-13, May 73
Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Kotoh K, et al.
Cancer Res 33:1247-52, Jun 73
Lipid metabolism in the northern pike (Esox lucius L.). II. The composition of the total lipids and of the fatty acids isolated from lipid classes and some tissues of the northern pike. Kluytmans JH, et al.
Comp Biochem Physiol [B] 44:459-66, 15 Feb 73
Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa. Kistler WS, et al. J Biol Chem 248:4532-43, 10 Jul 73
Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. Reyes FI, et al.
J Clin Endocrinol Metab 37:74-8, Jul 73
Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al.
J Med Genet 10:170-4, Jun 73
Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. J Reprod Fertil 33:379-83, Jun 73
Prostaglandins in swine testes. Michael CM.
Lipids 8:92-3, Feb 73

Role of selenium in neural physiology of avian species. 2. The distribution of 75 Se from injected selenomethionine- 75 Se in the tissues and its fate in livers of chickens. Vohra P, et al. **Poult Sci 52:644-7, Mar 73**

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al. **J Physiol (Paris) 65:Suppl 3:451A+, 1972 (Fre)**

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN. **Probl Endokrinol (Mosk) 19:54-7, Mar-Apr 73 (Eng. Abstr.) (Rus)**

ANATOMY & HISTOLOGY

Effect of bilateral vasectomy on the structure and function of the testes. Kothari LK, et al. **Am J Surg 126:84-8, Jul 73**

The effect of hypophysectomy on testicular hydrolases, lactate dehydrogenase, and spermatogenesis in the rat. Elkington JS, et al. **Aust J Biol Sci 26:491-503, Apr 73**

Maintenance of spermatogenesis in rats with intratesticular implants containing testosterone or dihydrotestosterone (DHT). Ahmad N, et al. **Biol Reprod 8:411-9, May 73**

Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Neaves WB. **Biol Reprod 8:451-66, May 73**

Effect of selenium, vitamin E, and antioxidants on testicular function in rats. Wu SH, et al. **Biol Reprod 8:625-9, Jun 73**

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol 20:490-7, Jun 73**

Histochemical localization of 3 - and 17 -hydroxysteroid dehydrogenases in the male reprodutive tract of the domestic fowl (Gallus domesticus). Tingari MD. **Histochem J 5:57-65, Jan 73**

Antifertility activity of an indigenous plant preparation (ROC-101). II. Effect on the male reproductive system. Hunshi SR, et al. **Indian J Med Res 60:1213-9, Aug 72**

Side-effect of diapause inducing factors on the reproductive activity of some lepidopterous species. Deseo KV. **Nature [New Biol] 242:126-7, 28 Mar 73**

Opposite effects of platinum and stainless-steel lesions of the amygdala on gonadotropin secretion. Velasco ME. **Neuroendocrinology 10:301-8, 1972**

Sexual behaviour of White Leghorn cocks bearing basal hypothalamic lesions in various locations. Perek M, et al. **Physiol Behav 10:479-84, Mar 73**

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci 52:712-8, Mar 73**

Longevity and organ weights of Beltsville small white parthenogens and normal turkey males. Olsen MW. **Poult Sci 52:666-70, Mar 73**

Effect of electrolytic lesions in various regions of the basal hypothalamus in White Leghorn cockerels upon food intake, obesity, blood plasma triglycerides and proteins. Snapir N, et al. **Poult Sci 52:629-36, Mar 73**

Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction. Wensing CJ. **Proc K Ned Akad Wet [Biol Med] 76:196-202, 1973**

Histology of the divided vas. Paris AM, et al. **Proc R Soc Med 66:371-3, Apr 73**

The development of the testis in the dwarf Nigerian ram lamb. Aire TA. **Res Vet Sci 14:104-6, Jan 73**

Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A. **Sov J Dev Biol 3:396-406, Sep-Oct 72**

[Arrangement of seminiferous tubules in human testes] Hedinger C, et al. **Z Anat Entwicklungsgesch 139:217-26, 20 Mar 73 (Eng. Abstr.) (Ger)**

[Male gonadal gland] Ochiai K, et al. **Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) (Jap)**

[Seasonal changes in the activity of the gander's genital system in the light of artificial insemination. I] Chelmońska B. **Pol Arch Weter 15:575-96, 1972 (Eng. Abstr.) (Pol)**

BLOOD SUPPLY

Patterns of aprenchymal ramification of the testicular artery in some ruminants. Godinho HP, et al. **Anat Anz 133:118-24, 1973**

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec 176:331-44, Jul 73**

The concentration of oestrone and oestradiol-17 in spermatic venous blood in man. Baird DT, et al. **J Endocrinol 57:285-8, May 73**

[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al. **C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

CYTOLOGY

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. **Acta Anat (Basel) 85:19-29, 1973**

Histochemical observations of the testis of frog, Rana pipiens. Short communication. Guraya SS. **Acta Biol Acad Sci Hung 23:327-9, 1972**

Cyclic changes in the pituitary gland of Glyptothorax pectinopterus (McClelland) in correlation with its male reproductive cycle. Pant MC, et al. **Anat Anz 133:51-8, 1973**

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec 176:331-44, Jul 73**

Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Neaves WB. **Biol Reprod 8:451-66, May 73**

Sperm structure of Oxyrhyncha. Hinsch GW. **Can J Zool 51:421-6, Apr 73**

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al. **Comp Biochem Physiol [B] 45:579-84, 15 Jul 73**

X-Y chromosome dissociation and sterility in the mouse. Beechey CV. **Cytogenet Cell Genet 12:60-7, 1973**

Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. **Endocrinology 93:81-7, Jul 73**

Cellular composition of fractions of mouse testis cells following velocity sedimentation separation. Meistrich ML, et al. **Exp Eye Res 79:213-27, Apr 73**

Binding of oestradiol by the nuclear fraction of rat testis interstitial tissue. Mulder E, et al. **FEBS Lett 31:131-6, 1 Apr 73**

Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale. Jones RE. **Gen Comp Endocrinol 20:567-71, Jun 73**

Genetic properties of substituted derivatives of N-methyl-4-aminoazobenzene in relation to azo-dye carcinogenesis. Fahmy OG, et al. **Int J Cancer 10:194-206, 15 Jul 72**

Morphology of the reproductive system of the armadillo. The spermatogonia. Nagy F, et al. **J Morphol 140:307-19, Jul 73**

Steroid 17,20-lyase: the effect of detergents on enzymic activity and microsomal composition. Betz G, et al. **Steroids 21:785-800, Jun 73**

Reproductive function in the human male. Report of a WHO scientific group. **WHO Tech Rep Ser 520:1-34, 1973**

[Value of localization of heterochromatin for identification of meiotic chromosomes at diakinesis in man] Gagne R, et al. **C R Acad Sci [D] (Paris) 676:769-71, 29 Jan 73 (Fre)**

[Preliminary study of the precocity of satellite chromosomes during meiosis in male Asellus aquaticus Linné (isopod Crustaceae)] Rapenne F. **C R Acad Sci [D] (Paris) 276:1197-200, 12 Feb 73 (Fre)**

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D. **C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

DRUG EFFECTS

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec 176:331-44, Jul 73**

LIBRARY U. OF I., URBANA-CHAMPAIGN

Paradoxical enhancement of S-adenosylmethionine decarboxylase in rat tissues following administration of the specific inhibitor methyl glyoxal bis(guanylhydrazone). Pegg AE, et al. **Biochem Biophys Res Commun 52:696-701, 15 May 73**

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al. **Biochim Biophys Acta 306:227-36, 24 May 73**

Maintenance of spermatogenesis in rats with intratesticular implants containing testosterone or dihydrotestosterone (DHT). Ahmad N, et al. **Biol Reprod 8:411-9, May 73**

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf) 1:141-7, Apr 72**

Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale. Jones RE. **Gen Comp Endocrinol 20:567-71, Jun 73**

Relative potencies of purified mammalian gonadotropins on the uptake of radiophosphorus by chick testes. Licht P. **Gen Comp Endocrinol 20:592-4, Jun 73**

Induction of spermiation in anurans by mammalian pituitary gonadotropins and their subunits. Licht P. **Gen Comp Endocrinol 20:522-9, Jun 73**

The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al. **J Endocrinol 57:207-15, May 73**

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J. **J Endocrinol 57:437-49, Jun 73**

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. **J Endocrinol 57:277-84, May 73**

The stimulatory effects of several concentrations of 5-methoxytryptophol on testicular growth in the white leghorn (Gallus domesticus L.). Balemans MG. **J Neural Transm 34:49-60, 1973**

Reserpine, adrenalectomy and the reversal of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. **J Reprod Fertil 33:523-6, Jun 73**

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al. **Poult Sci 52:712-8, Mar 73**

Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction. Wensing CJ. **Proc K Ned Akad Wet [Biol Med] 76:196-202, 1973**

Responses of the human testicular capsule to electrical stimulation and to autonomic drugs. Rikimaru A, et al. **Tohoku J Exp Med 108:303-4, Nov 72**

Mechanical responses of the isolated rabbit testis to electrical stimulation and to autonomic drugs. Rikimaru A, et al. **Tohoku J Exp Med 108:283-9, Nov 72**

[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al. **C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)**

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. **C R Acad Sci [D] (Paris) 275:1449-52, 25 Sep 72 (Fre)**

[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. **C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)**

[Comparative study of cytogenetic anomalies and hematologic, hepatic and testicular effects of ethionine in rats. Protective power of methionine] Aschkenasy A, et al. **C R Soc Biol (Paris) 166:1241-5, 1972 (Fre)**

[Mutagenic properties of cyclamates in mammals] Leonard A, et al. **C R Soc Biol (Paris) 166:468-70, 9 Nov 72 (Fre)**

[Appearance of disorders in cryptorchid testis of mice after estradiol injection of the pregnant mother] Jean C. **J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)**

[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al. **Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)**

[Hemato-testicular barrier] Raftsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

EMBRYOLOGY

Testosterone in the fetal rat testis. Warren DW, et al. **Biol Reprod 8:560-5, Jun 73**

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA. **J Embryol Exp Morphol 29:431-7, Apr 73**

Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction. Wensing CJ. **Proc K Ned Akad Wet [Biol Med] 76:196-202, 1973**

Genetic control of sexual difference. Federman DD. **Prog Med Genet 9:215-35, 1973 (102 ref.)**

Number of germ cells in known male and known female genotypes of vertebrate embryos (Oryzias latipes). Quirk JG, et al. **Science 180:963-4, 1 Jun 73**

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. **Sov J Dev Biol 3:46-50, Jan-Feb 72**

[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al. **C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)**

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. **C R Acad Sci [D] (Paris) 275:1449-52, 25 Sep 72 (Fre)**

[Early secretion of testosterone by embryonic mouse testis] Weniger J, et al. **C R Acad Sci [D] (Paris) 275:1431-3, 25 Sep 72 (Fre)**

[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. **C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)**

[Enzyme histochemical studies on the function of fetal gonads] König PA, et al. **Med Welt 23:1917-9, 16 Dec 72 (Ger)**

[Arrangement of seminiferous tubules in human testes] Hedinger C, et al. **Z Anat Entwicklungsgesch 139:217-26, 20 Mar 73 (Eng. Abstr.) (Ger)**

[Hemato-testicular barrier] Raftsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

ENZYMOLOGY

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. **Acta Anat (Basel) 85:19-29, 1973**

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al. **Acta Endocrinol (Kbh) 73:146-70, May 73**

Testicular leucine aminopeptidase in different vertebrates. Dey SK, et al. **Acta Histochem (Jena) 45:71-4, 1973**

Detection of proteolytic enzymes in agar electrophoresis. Herd JK, et al. **Anal Biochem 53:514-21, Jun 73**

A rapid technique to resolve and partially purify multiple DNA polymerases from a crude extract. Katz SE, et al. **Anal Biochem 53:441-4, Jun 73**

The effect of hypophysectomy on testicular hydrolases, lactate dehydrogenase, and spermatogenesis in the rat. Elkington JS, et al. **Aust J Biol Sci 26:491-503, Apr 73**

Paradoxical enhancement of S-adenosylmethionine decarboxylase in rat tissues following administration of the specific inhibitor methyl glyoxal bis(guanylhydrazone). Pegg AE, et al. **Biochem Biophys Res Commun 52:696-701, 15 May 73**

Myelin basic protein arginine methyl transferase: wide distribution among both neurogenic and non-neurogenic tissues. Sundarraj N, et al. **Biochem Biophys Res Commun 52:1039-45, 8 Jun 73**

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al. **Biochim Biophys Acta 306:227-36, 24 May 73**

Evidence for the existence of lactate dehydrogenase X in embryonic chick liver. Sheid B, et al. **Biochim Biophys Acta 293:304-11, 15 Feb 73**

Testosterone in the fetal rat testis. Warren DW, et al. **Biol Reprod 8:560-5, Jun 73**

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al. **Clin Endocrinol (Oxf) 1:369-85, Oct 72**

Glycosidases in the spermatophores of the giant

octopus, Octopus dofleini Martini. Mann T, et al. **Comp Biochem Physiol [A] 44:1377-86, 1 Apr 73**

Cytogenetic and biochemical differences between Apodemus sylvaticus and Apodemus flavicollis, possibly responsible for the failure to interbreed. Engel W, et al. **Comp Biochem Physiol [B] 44:1165-73, 15 Apr 73**

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al. **Comp Biochem Physiol [B] 45:579-84, 15 Jul 73**

Subunit structure of testicular hyaluronidase. Khorlin AY, et al. **FEBS Lett 31:107-10, 1 Apr 73**

Studies on L-glycerol-3-phosphate dehydrogenases in Japanese Quail, Coturnix coturnix japonica. II. Comparison of activity of mitochondrial and cytoplasmic L-glycerol-3-phosphate dehydrogenases in testes and liver of developing male Japanese quail. Yamada M. **J Biochem (Tokyo) 73:227-33, Feb 73**

Creatine kinase of rat heart mitochondria. Coupling of creatine phosphorylation to electron transport. Jacobus WE, et al. **J Biol Chem 248:4803-10, 10 Jul 73**

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J. **J Endocrinol 57:437-49, Jun 73**

Uptake of horseradish peroxidase by the testis and epididymis of mice. II. Electron microscopic study of the testis. Aragon JA, et al. **J Reprod Fertil 33:189-95, May 73**

Changes of (Ca 2+ -Mg 2+)-adenosine-triphosphatase activity in rat testis throughout maturation. Delhumeau-Ongray G, et al. **J Reprod Fertil 33:513-7, Jun 73**

Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Seilicovich A, et al. **J Reprod Fertil 33:379-83, Jun 73**

Kinetics of phosphorylation and dephosphorylation of testis histones and their possible role in determining chromosomal structure. Louie AJ, et al. **Nature [New Biol] 243:164-8, 6 Jun 73**

Steroid 17,20-lyase: the effect of detergents on enzymic activity and microsomal composition. Betz G, et al. **Steroids 21:785-800, Jun 73**

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D. **C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)**

[Ascorbic acid and enzymatic activity in the testis of vitamin A deficient rats] Goubern M, et al. **J Physiol (Paris) 65:Suppl 3:415A+, 1972 (Fre)**

[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al. **Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)**

[Enzyme histochemical studies on the function of fetal gonads] König PA, et al. **Med Welt 23:1917-9, 16 Dec 72 (Ger)**

GROWTH & DEVELOPMENT

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec 176:331-44, Jul 73**

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf) 1:141-7, Apr 72**

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. **Helv Paediatr Acta 28:127-34, May 73**

Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa. Kistler WS, et al. **J Biol Chem 248:4532-43, 10 Jul 73**

The stimulatory effects of several concentrations of 5-methoxytryptophol on testicular growth in the white leghorn (Gallus domesticus L.). Balemans MG. **J Neural Transm 34:49-60, 1973**

The development of the testis in the dwarf Nigerian ram lamb. Aire TA. **Res Vet Sci 14:104-6, Jan 73**

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D. **C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)**

[Male gonadal gland] Ochiai K, et al. **Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) (Jap)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

IMMUNOLOGY

Histoimmunochemical localization of three guinea-pig spermatozoal autoantigens. Touliet F, et al. **Immunology 24:635-53, Apr 73**

Rejection of tumor cells in vitro. Berczi I, et al. **Science 180:1289-91, 22 Jun 73**

[Anti-testicular autoimmunization in man] Dondero F, et al. **Ann Endocrinol (Paris) 33:417-25, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

INJURIES

Early exploration following trauma to the testicle. Del Villar RG, et al. **J Trauma 13:600-1, Jul 73**

Trauma to the genitourinary tract: evaluation and management. Cass AS, et al. **Postgrad Med 53:63-8, Jun 73**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)**

METABOLISM

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. **Acta Anat (Basel) 85:19-29, 1973**

Studien on avian mucopolysaccharide-peptide complexer and on in vivo incorporation of D-(1 14 -C) hexosamine. Hilborn JC, et al. **Can J Biochem 51:642-53, May 73**

Environmental influences on the testis cycles of the lizards Dipsosaurus dorsalis and Xantusia vigilis. Licht P. **Comp Biochem Physiol [A] 45:7-20, 1 May 73**

Oxidative metabolism of the ascidian, Pyura stolonifera. Schofield PJ, et al. **Comp Biochem Physiol [B] 45:579-84, 15 Jul 73**

The metabolism of androgens in normal human testis and epididymis in vitro. Sulcová J, et al. **Endocrinol Exp (Bratisl) 7:113-8, 1973**

Incorporation of orthophosphate 32P1 into the phospholipids of slices of gonads, anterior pituitary and liver of calf. Basinska J, et al. **Endocrinology 92:1786-9, Jun 73**

A high-affinity androgen-binding protein (ABP) in rat testis: evidence for secretion into efferent duct fluid and absorption by epididymis. French FS, et al. **Endocrinology 93:88-95, Jul 73**

5 -Reduction of testosterone in vitro by rat seminiferous tubules and whole testes at different stages of development. Matsumoto K, et al. **Endocrinology 93:253-5, Jul 73**

Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. **Endocrinology 93:81-7, Jul 73**

Immunospecificity and localization of radiolabeled human growth hormone in the mouse. Mizejewski GJ. **Experientia 29:716-8, 15 Jun 73**

Binding of oestradiol by the nuclear fraction of rat testis interstitial tissue. Mulder E, et al. **FEBS Lett 31:131-6, 1 Apr 73**

Relative potencies of purified mammalian gonadotropins on the uptake of radiophosphorus by chick testes. Licht P. **Gen Comp Endocrinol 20:592-4, Jun 73**

Autoradiographic studies on thiamine distribution in normal and thiamine-deficient rats. Heinrich CP, et al. **Int J Vitam Nutr Res 43:174-86, 1973**

Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa. Kistler WS, et al. **J Biol Chem 248:4532-43, 10 Jul 73**

Uptake of horseradish peroxidase by the testis and epididymis of mice. II. Electron microscopic study of the testis. Aragon JA, et al. **J Reprod Fertil 33:189-95, May 73**

Changes of (Ca 2+ -Mg 2+)-adenosine-triphosphatase activity in rat testis throughout maturation. Delhumeau-Ongray G, et al. **J Reprod Fertil 33:513-7, Jun 73**

Health information in the mass media: the case of

LIBRARY U. OF I., URBANA-CHAMPAIGN

chorionic gonadotropin and obesity. De Kretser DM. **Med J Aust** 1:462, 3 Mar 73

Kinetics of phosphorylation and dephosphorylation of testis histones and their possible role in determining chromosomal structure. Louie AJ, et al. **Nature** [New Biol] 243:164-8, 6 Jun 73

Effects of cortisone on thymidine incorporation by various nonlymphoid tissues of the weanling rat. Loeb JN, et al. **Proc Soc Exp Biol Med** 143:502-7, Jun 73

Comparison of monomeric and polymeric plutonium in the dog and mouse. Baxter DW, et al. **Radiat Res** 54:556-65, Jun 73

Decorporation of monomeric plutonium from the dog by glucan and-or DTPA. Baxter DW, et al. **Radiat Res** 55:144-52, Jul 73

In vitro testosterone production from endogenous precursors by the seminiferous tubules and interstitium of the human testis. Bell JB. **Steroids Lipids Res** 3:315-20, 1972

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. **C R Acad Sci [D] (Paris)** 275:1449-52, 25 Sep 72 **(Fre)**

[Early secretion of testosterone by embryonic mouse testis] Weniger J, et al. **C R Acad Sci [D] (Paris)** 275:1431-3, 25 Sep 72 **(Fre)**

[Experimental metabolism of dehydroepiandrosterone in rats, in vivo] Nicol M, et al. **C R Soc Biol (Paris)** 166:1356-60, 1972 **(Fre)**

[Ascorbic acid and enzymatic activity in the testis of vitamin A deficient rats] Goubern M, et al. **J Physiol (Paris)** 65:Suppl 3:415A+, 1972 **(Fre)**

[Production of testosterone] Knorr D. **Dtsch Med Wochenschr** 98:1087-8, 25 May 73 **(Ger)**

MICROBIOLOGY

Increased virulence of the E vaccine strain of Rickettsia prowazeki passaged in the lungs of white mice and guinea pigs. Balaeva NM, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 17:11-20, 1973

PATHOLOGY

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh)** 73:179-88, May 73

Generalized cytomegalic inclusion disease presenting an infectious mononucleosis syndrome (so-called cytomegalovirus mononucleosis) in a previously healthy adult--an autopsy study. Ii K, et al. **Acta Pathol Jap** 22:723-37, Nov 72

Effect of bilateral vasectomy on the structure and function of the testes. Kothari LK, et al. **Am J Surg** 126:84-8, Jul 73

Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. **Cancer** 31:1208-12, May 73

Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al. **Fertil Steril** 24:485-6, Jun 73

Orchioblastoma: report of four cases. Kher M, et al. **Indian J Pediatr** 40:28-30, Jan 73

Experimental autoimmune damage to rabbit male accesory glands. Yantorno C, et al. **Invest Urol** 10:397-403, Mar 73

Reserpine, adrenalectomy and the reversal of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. **J Reprod Fertil** 33:523-6, Jun 73

Investigation and treatment of the infertile male. Halim A, et al. **Proc R Soc Med** 66:373-8, Apr 73

Observations on freshly isolated and accurately identified spermatogenic cells of the rat. Early effects of heat and short-time experimental cryptorchidism. Parvinen M. **Virchows Arch** [Zellpathol] 13:38-47, 15 May 73

[Appearance of disorders in cryptorchid testis of mice after estradiol injection of the pregnant mother] Jean C. **J Physiol (Paris)** 65:Suppl 3:426A, 1972 **(Fre)**

[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al. **Rev Fr Endocrinol Clin** 13:107-21, Mar-Apr 72 **(Eng. Abstr.)** **(Fre)**

[Klinefelter's syndrome. Report on 18 cases] Mamelle JC, et al. **Pediatrie** 27:851-70, Dec 72 **(Ger)**

[Gonadotoxic and embryotoxic action of the food dye amaranth] Shtenberg AI, et al. **Vopr Pitan** 31:28-33, Sep-Oct 72 **(Eng. Abstr.)** **(Rus)**

PHYSIOLOGY

Photoreception in the photosexual response of quail. I. Site of photoreceptor. Oishi T, et al. **Am J Physiol** 225:155-8, Jul 73

Effect of bilateral vasectomy on the structure and function of the testes. Kothari LK, et al. **Am J Surg** 126:84-8, Jul 73

Phospholipid changes in spermatozoa during passage through the genital tract of the bull. Poulos A, et al. **Biochim Biophys Acta** 306:194-202, 24 May 73

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res** 54:1-29, 17 May 73

The influence of the gonad on the degeneration of the intestine in migrating river lampreys: Lampetra fluviatilis L. (Cyclostomata). Dockray GJ, et al. **Comp Biochem Physiol [A]** 43:279-86, 1 Oct 72

Barbiturate blockade of tonic LH secretion in the male and female rat. Beattie CW, et al. **Endocrinology** 92:1634-8, Jun 73

Serum testosterone and dihydrotestosterone levels following orchiectomy in the adult rat. Coyotupa J, et al. **Endocrinology** 92:1579-81, Jun 73

Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73

Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al. **Endocrinology** 92:1714-24, Jun 73

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al. **Endocrinology** 93:156-61, Jul 73

Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa. Kistler WS, et al. **J Biol Chem** 248:4532-43, 10 Jul 73

In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. **J Steroid Biochem** 4:139-51, Mar 73

Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. **Life Sci [II]** 12:513-9, 8 Jun 73

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. **Sov J Dev Biol** 3:46-50, Jan-Feb 72

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids** 21:703-22, May 73

Pressure recording of contraction of the dog testis. Rikimaru A, et al. **Tohoku J Exp Med** 108:305-6, Nov 72

Responses of the human testicular capsule to electrical stimulation and to autonomic drugs. Rikimaru A, et al. **Tohoku J Exp Med** 108:303-4, Nov 72

Mechanical responses of the isolated rabbit testis to electrical stimulation and to autonomic drugs. Rikimaru A, et al. **Tohoku J Exp Med** 108:283-9, Nov 72

Effects of dieldrin on 5 -dihydrotestosterone binding in the cytosol and nucleus of the rat ventral prostate. Wakeling AE, et al. **Toxicol Appl Pharmacol** 25:267-75, Jun 73

[Seasonal changes in Sertoli and Leydig cell activity in the testis of the golden hamster. Karyometric study] Vendrely E, et al. **C R Acad Sci [D] (Paris)** 275:1143-6, 11 Sep 72 **(Fre)**

[Age and endocrine function of the testes in adult man] Nieschlag E, et al. **Dtsch Med Wochenschr** 98:1281-4, 29 Jun 73 **(Eng. Abstr.)** **(Ger)**

[Male gonadal gland] Ochiai K, et al. **Clin Endocrinol (Tokyo)** 21:27-33, Jan 73 (10 ref.) **(Jap)**

[Autoradiographic study of the duration of spermatogenesis stages in the cricket] Liapunova NA, et al. **Tsitologiia** 15:276-82, Mar 73 (Eng. Abstr.) **(Rus)**

[Hemato-testicular barrier] Raitsina SS, et al. **Usp Sovrem Biol** 75:104-24, Jan-Feb 73 (113 ref.) **(Rus)**

PHYSIOPATHOLOGY

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh)** 73:179-88, May 73

Effect of bilateral vasectomy on the structure and

function of the testes. Kothari LK, et al. Am J Surg 126:84-8, Jul 73

FSH, LH and testosterone blood level in patients with psychogenic impotence. Legros JJ, et al. Endocrinol Exp (Bratisl) 7:59-64, 1973

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA. Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

[Functional state of the cerebral cortex in some forms of incretory insufficiency of the testes] Vartapetov BA, et al. Probl Endokrinol (Mosk) 19:84-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Influence of age on the response of rat stem spermatogonia to -radiation. Erickson BH, et al. Biol Reprod 8:607-12, Jun 73

X-Y chromosome dissociation and sterility in the mouse. Beechey CV. Cytogenet Cell Genet 12:60-7, 1973

SECRETION

The concentration of oestrone and oestradiol-17 in spermatic venous blood in man. Baird DT, et al. J Endocrinol 57:285-8, May 73

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. J Endocrinol 57:277-84, May 73

Genetic control of sexual difference. Federman DD. Prog Med Genet 9:215-35, 1973 (102 ref.)

[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al. C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)

[Age and endocrine function of the testes in adult man] Nieschlag E, et al. Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)

[Functional state of the cerebral cortex in some forms of incretory insufficiency of the testes] Vartapetov BA, et al. Probl Endokrinol (Mosk) 19:84-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

SURGERY

Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Neaves WB. Biol Reprod 8:451-66, May 73

Effect of neonatal orchiectomy on the expression of histocompatibility antigens. Poláčková M, et al. Folia Biol (Praha) 19:13-8, 1973

Early exploration following trauma to the testicle. Del Villar RG, et al. J Trauma 13:600-1, Jul 73

A natural-feeling testicular prosthesis. Lattimer JK, et al. J Urol 110:81-3, Jul 73

Observations on freshly isolated and accurately identified spermatogenic cells of the rat. Early effects of heat and short-time experimental cryptorchidism. Parvinen M. Virchows Arch [Zellpathol] 13:38-47, 15 May 73

[Results of surgical treatment of congenital hydrocele] Jirásek J, et al. Cesk Pediatr 28:255-7, 1973 (Eng. Abstr.) (Cze)

LIBRARY U. OF I., URBANA-CHAMPAIGN

GONADS

II. Disorders of the Gonads

ARRHENOBLASTOMA

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

COMPLICATIONS

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

DIAGNOSIS

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. Am J Obstet Gynecol 116:401-7, 1 Jun 73

METABOLISM

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. Am J Obstet Gynecol 116:401-7, 1 Jun 73

PATHOLOGY

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

BONNEVIE-ULLRICH SYNDROME

METABOLISM

[Secretion of STH and insulin-glycide metabolism in subjects with Turner's syndrome or malformative small stature] Marrama P, et al.
Recent Prog Med (Roma) 54:197-212, Mar 73 (Eng. Abstr.) (Ita)

BRENNER TUMOR

DIAGNOSIS

[Primary epithelioma of the fallopian tube. Cytological screening] Liégeois A.
J Gynecol Obstet Biol Reprod (Paris) 1:745-53, Oct-Nov 72 (Eng. Abstr.) (Fre)

METABOLISM

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73

PATHOLOGY

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73
[Granulosa-cell and Brenner tumor in a female patient with adenocarcinoma of the corpus uteri] Jalůvka V, et al. Zentralbl Gynaekol 95:603-8, 4 May 73 (Ger)

CORPUS LUTEUM CYST

SURGERY

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

CRYPTORCHISM

Reserpine, adrenalectomy and the reversal of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. J Reprod Fertil 33:523-6, Jun 73

BLOOD

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al.
J Clin Endocrinol Metab 37:68-73, Jul 73

CLASSIFICATION

[Attempt at classification of testicular anomalies] Lushcha AL, et al.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73

DRUG THERAPY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973
[Histochemical studies in malpositions of the testis following treatment with human chorionic gonadotropin (HCG) in animal experiment and clinical patient material] Moormann JG.
Ann Univ Sarav [Med] 19:85-144, 1972 (Ger)

ENZYMOLOGY

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973
Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Sellicovich A, et al. J Reprod Fertil 33:379-83, Jun 73
[Histochemical studies in malpositions of the testis following treatment with human chorionic gonadotropin (HCG) in animal experiment and clinical patient material] Moormann JG.
Ann Univ Sarav [Med] 19:85-144, 1972 (Ger)

FAMILIAL & GENETIC

Ring chromosome 7 with variable phenotypic expression. Zackai EH, et al.
Cytogenet Cell Genet 12:40-8, 1973

METABOLISM

Histochemical studies on phosphorylase activity in the tissues of the albino rat under normal and experimental conditions. V. Effects of experimental cryptorchism on testis phosphorylase. Ohanian C, et al. Acta Anat (Basel) 85:19-29, 1973
Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa. Kistler WS, et al. J Biol Chem 248:4532-43, 10 Jul 73
The effects of artificial cryptorchidism in the rabbit on the transport and survival of spermatozoa in the female reproductive tract. Cummins JM.
J Reprod Fertil 33:469-79, Jun 73
[Testosterone metabolism in hypogonadism] Starkova NT, et al.
Probl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Observations on freshly isolated and accurately identified spermatogenic cells of the rat. Early effects of heat and short-time experimental cryptorchidism. Parvinen M.
Virchows Arch [Zellpathol] 13:38-47, 15 May 73

PHYSIOPATHOLOGY

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf)** 1:127-40, Apr 72

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf)** 1:141-7, Apr 72

DISGERMINOMA

[Malignant ectopic testicle] Răzeşu V, et al. **Chirurgia (Bucur)** 22:535-8, Jun 73 (Eng. Abstr.) (Rum)

COMPLICATIONS

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci** 265:321-33, Apr 73

Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. **Obstet Gynecol** 41:897-901, Jun 73

DIAGNOSIS

[Study of immature dysembryomas] Gaillard JA. **Ann Anat Pathol (Paris)** 17:487-500, Oct-Dec 72 (Eng. Abstr.) (Fre)

[Experimental studies and clinical evaluation of diagnosis of tumors using 99mTc labelled bleomycin] Mori T, et al. **Jap J Clin Radiol** 18:201-5, Mar 73 (Jap)

[Use of lower, indirect lymphography in oncologic diseases] Datsenko VS, et al. **Med Radiol (Mosk)** 17:8-11, Sep 72 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Cytostatic therapy of malignant testicular tumors] Wilms K. **Minerva Med** 64:666-9, 14 Mar 73 (Ita)

PATHOLOGY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci** 265:321-33, Apr 73

Explantation of extraembryonic parts of 7-day-old mouse egg cylinders. Solter D, et al. **Experientia** 29:701-2, 15 Jun 73

Reaction of the skeleton and bone marrow to malignant tumours of the testis. Comparison and evaluation of results of strontium (85 Sr) test and cytological findings from sternal punctates in 44 patients. Bek V, et al. **Neoplasma** 20:209-15, 1973

Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. **Obstet Gynecol** 41:897-901, Jun 73

RADIOGRAPHY

Neuroradiology of juxtasellar mass lesions. Lee KF, et al. **CRC Crit Rev Radiol Sci** 3:105-69, Jan 72

X-ray of the month: primary seminoma of the anterior mediastinum. Lee YT, et al. **J Tenn Med Assoc** 66:443-4, May 73

Ectopic seminoma (germinoma) in the retroperitoneum and mediastinum: with emphasis on the lymphangiogram. Cha EM. **J Urol** 110:47-9, Jul 73

RADIOTHERAPY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci** 265:321-33, Apr 73

X-ray of the month: primary seminoma of the anterior mediastinum. Lee YT, et al. **J Tenn Med Assoc** 66:443-4, May 73

Ectopic seminoma (germinoma) in the retroperitoneum and mediastinum: with emphasis on the lymphangiogram. Cha EM. **J Urol** 110:47-9, Jul 73

[Problems caused by radiotherapy of germinal epitheliomas of the ovary] Urbajtel M, et al. **J Radiol Electrol Med Nucl** 54:19-26, Jan 73 (Eng. Abstr.) (Fre)

SURGERY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci** 265:321-33, Apr 73

Yolk sac tumour of the ovary. Aberdeen JD, et al. **Aust Paediatr J** 8:342-4, Dec 72

URINE

Urinary cholesterol. V. Its excretion in men with testicular and prostatic neoplasms. Acevedo HF, et al. **Cancer** 32:196-205, Jul 73

EUNUCHISM

COMPLICATIONS

[Idiopathic human azoospermia. Clinical experimental study] Bonati B, et al. **Recent Prog Med (Roma)** 54:160-96, Feb 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al. **Rev Fr Endocrinol Clin** 13:107-21, Mar-Apr 72 (Eng. Abstr.) (Fre)

GONADS

ABNORMALITIES

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh)** 73:179-88, May 73

[LEOPARD syndrome (profuse lentiginosis)] Laugier P, et al. **Bull Soc Fr Dermatol Syphiligr** 79:540-1, 1972 (Fre)

[Turner's syndrome. Report of statistics concerning 60 cases] Rosenberg D, et al. **Pediatrie** 27:831-50, Dec 72 (Fre)

GRANULOSA CELL TUMOR

[Late enteromesenteric metastasis of a tumor of the granulosa] Grisoli J, et al. **Sem Hop Paris** 49:649-55, 20 Feb 73 (Fre)

COMPLICATIONS

[Paradoxical menstruation and resistant ascites due to granulosa cell tumor in postmenopause. Value of the cytogenetic study of the ascitic fluid] Moretti G, et al. **Sem Hop Paris** 49:645-8, 20 Feb 73 (Fre)

DIAGNOSIS

[Paradoxical menstruation and resistant ascites due to granulosa cell tumor in postmenopause. Value of the cytogenetic study of the ascitic fluid] Moretti G, et al. **Sem Hop Paris** 49:645-8, 20 Feb 73 (Fre)

PATHOLOGY

[Late enteromesenteric metastasis of a tumor of the granulosa] Grisoli J, et al. **Sem Hop Paris** 49:649-55, 20 Feb 73 (Fre)

[Granulosa-cell and Brenner tumor in a female patient with adenocarcinoma of the corpus uteri] Jalúvka V, et al. **Zentralbl Gynaekol** 95:603-8, 4 May 73 (Ger)

SURGERY

[Late enteromesenteric metastasis of a tumor of the granulosa] Grisoli J, et al. **Sem Hop Paris** 49:649-55, 20 Feb 73 (Fre)

[Paradoxical menstruation and resistant ascites due to granulosa cell tumor in postmenopause. Value of the cytogenetic study of the ascitic fluid] Moretti G, et al. **Sem Hop Paris** 49:645-8, 20 Feb 73 (Fre)

HERMAPHRODITISM

Some surgical aspects in male hermaphroditism. Starup J, et al. **Acta Chir Scand [Suppl]** 433:132-6, 1973

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh)** 73:179-88, May 73

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of

LIBRARY U. OF I., URBANA-CHAMPAIGN

C-21-hydroxylase deficiency. Hamilton W, et al. **Clin Endocrinol (Oxf) 1:265-73, Jul 72**

The reproductive systems of Indoplanorbis exustus (Deshayes) (Planorbidae: Pulmonata) and Lymnae rubiginosa (Michelin) (Lymnaeidae: Pulmonata) a description in healthy and trematode habouring snails. Ong PL, et al. **Southeast Asian J Trop Med Public Health 4:46-54, Mar 73**

[Psychological and social problems related to sex changes. Report of a case] Maer M, et al. **Pediatrie 27:913-22, Dec 72 (Fre)**

ETIOLOGY

[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al. **C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)**

FAMILIAL & GENETIC

Some surgical aspects in male hermaphroditism. Starup J, et al. **Acta Chir Scand [Suppl] 433:132-6, 1973**

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr 83:187-200, Aug 73**

[2 cases of familial male hermaphroditism] Tanaka Y. **Clin Endocrinol (Tokyo) 21:87-91, Jan 73 (Jap)**

SURGERY

[Colpopoiesis operations in testicular forms of hermaphroditism] Golubeva IV, et al. **Probl Endokrinol (Mosk) 19:44-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

HYPOGONADISM

Endocrine disorders of growth in stature. Raiti S. **Aust Paediatr J 8:297-305, Dec 72 (20 ref.)**

Xeroderma pigmentosum. Der Kaloustian VM, et al. **Br J Dermatol 88:513-5, May 73 (13 ref.)**

BLOOD

Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al. **Endocrinol Exp (Bratisl) 7:80-4, 1973**

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al. **J Clin Endocrinol Metab 37:129-34, Jul 73**

[Current data on plasmatic androgens] Mahoudeau JA, et al. **Rev Prat 23:881-91, 21 Feb 73 (Fre)**

[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC. **Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)**

COMPLICATIONS

Testosterone treatment for micropenis during early childhood. Guthrie RD, et al. **J Pediatr 83:247-52, Aug 73**

[Unusual forms of juvenile diabetes] Jean R, et al. **Arch Fr Pediatr 29:957-64, Nov 72 (Eng. Abstr.) (Fre)**

[Idiopathic human azoospermia. Clinical experimental study] Bonati B, et al. **Recent Prog Med (Roma) 54:160-96, Feb 73 (Eng. Abstr.) (Ita)**

[Distal urinary syndrome due to changed uro-genital relations] Hrisoho D, et al. **God Zb Med Fak Skopje 18:317-22, 1972 (Eng. Abstr.) (Ser)**

DIAGNOSIS

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf) 1:127-40, Apr 72**

[Chromosome aberration 48, XXXY] Pfeiffer RA, et al. **Munch Med Wochenschr 115:594-8, 6 Apr 73 (Eng. Abstr.) (Ger)**

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al. **Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)**

DRUG THERAPY

[Principles of chronic hormone substitution] Mosonyi L. **Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) (Ger)**

ETIOLOGY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr 83:187-200, Aug 73**

Zinc deficiency in man. Prasad AS, et al. **Lancet 1:1520-1, 30 Jun 73**

FAMILIAL & GENETIC

Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al. **J Med Genet 10:170-4, Jun 73**

METABOLISM

[Testosterone metabolism in hypogonadism] Starkova NT, et al. **Probl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Eng. Abstr.) (Rus)**

PATHOLOGY

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. **Acta Pathol Jap 22:779-802, Nov 72**

PHYSIOPATHOLOGY

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf) 1:127-40, Apr 72**

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf) 1:141-7, Apr 72**

[Functional state of the cerebral cortex in some forms of incretory insufficiency of the testes] Vartapetov BA, et al. **Probl Endokrinol (Mosk) 19:84-7, Mar-Apr 73 (Eng. Abstr.) (Rus)**

KLINEFELTER'S SYNDROME

Diabetes mellitus with optic atrophy--thalassemia-like sideroblastic anemia and weak isoagglutinins--a new genetic syndrome? Järnerot G. **Acta Med Scand 193:359-62, Apr 73**

Two case reports: taurodontism and taurodontism in Kleinfelter's syndrome. Mednick GA. **J Mich State Dent Assoc 55:212-5, Jul-Aug 73**

[Report on intersexual states. Introduction] Jeune M. **Pediatrie 27:811-2, Dec 72 (Fre)**

BLOOD

Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. **Metabolism 22:875-84, Jul 73**

CLASSIFICATION

[Attempt at classification of testicular anomalies] Lushcha AL, et al. **Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)**

COMPLICATIONS

Behavioral aspects of chromosomal disorders. Kessler S, et al. **Annu Rev Med 24:89-102, 1973 (114 ref.)**

Investigation and treatment of the infertile male. Halim A, et al. **Proc R Soc Med 66:373-8, Apr 73**

[Klinefelter's syndrome, endogenous hypertriglyceridemia, and arteriopathy of the lower limbs. Apropos of a case] Rouffy J, et al. **Ann Med Interne (Paris) 124:201-6, Mar 73 (Fre)**

[Idiopathic human azoospermia. Clinical experimental study] Bonati B, et al. **Recent Prog Med (Roma) 54:160-96, Feb 73 (Eng. Abstr.) (Ita)**

DIAGNOSIS

Antenatal diagnosis of genetic defects. Goodner DM. **J Reprod Med 10:261-8, Jun 73**

Prenatal diagnosis. Results of cytogenetic analysis of amniotic fluid cell cultures. Mulcahy MT, et al. **Med J Aust 1:979-82, 19 May 73**

[Klinefelter's syndrome, endogenous

hypertriglyceridemia, and arteriopathy of the lower limbs. Apropos of a case] Rouffy J, et al. Ann Med Interne (Paris) 124:201-6, Mar 73 (Fre)
[Karyotype 49, XXXXY in an infant] Serville F, et al. Pediatrie 28:83-90, Jan-Feb 73 (Fre)
[Indications for chromosome analysis from the pediatric viewpoint] Steinbicker V, et al. Kinderaerztl Prax 41:91-8, Feb 73 (Ger)

DRUG THERAPY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al. Neuroendocrinology 11:328-37, 1973

ETIOLOGY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

FAMILIAL & GENETIC

Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity. (Klinefelter HF), Klinefelter HF. Am J Obstet Gynecol 116:436-7, 1 Jun 73
Dermatoglyphics. Miller JR. J Invest Dermatol 60:435-42, Jun 73 (40 ref.)
[Klinefelter's syndrome. Report on 18 cases] Mamelle JC, et al. Pediatrie 27:851-70, Dec 72 (Ger)

HISTORY

Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity. (Klinefelter HF), Klinefelter HF. Am J Obstet Gynecol 116:436-7, 1 Jun 73

METABOLISM

[Testosterone metabolism in hypogonadism] Starkova NT, et al. Probl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity. (Klinefelter HF), Klinefelter HF. Am J Obstet Gynecol 116:436-7, 1 Jun 73
Dermatoglyphics. Miller JR. J Invest Dermatol 60:435-42, Jun 73 (40 ref.)

PHYSIOPATHOLOGY

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. Clin Endocrinol (Oxf) 1:127-40, Apr 72
Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. Metabolism 22:875-84, Jul 73

THERAPY

Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity. (Klinefelter HF), Klinefelter HF. Am J Obstet Gynecol 116:436-7, 1 Jun 73
[Klinefelter's syndrome. Report on 18 cases] Mamelle JC, et al. Pediatrie 27:851-70, Dec 72 (Ger)

LEYDIG CELL TUMOR

Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73

DIAGNOSIS

Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73

FAMILIAL & GENETIC

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. Cancer 31:1440-50, Jun 73

METABOLISM

Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al. Endocrinology 93:127-34, Jul 73

PATHOLOGY

Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73
Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. Cancer 31:1440-50, Jun 73
Reaction of the skeleton and bone marrow to malignant tumours of the testis. Comparison and evaluation of results of strontium (85 Sr) test and cytological findings from sternal punctates in 44 patients. Bek V, et al. Neoplasma 20:209-15, 1973

SURGERY

Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73

OVARIAN CYSTS

CHEMICALLY INDUCED

Delayed effects of a single treatment of hydroxyurea to newborn mice. Bhide SV, et al. Indian J Cancer 10:26-30, Mar 73

COMPLICATIONS

Teen-age endometriosis. Schifrin BS, et al. Am J Obstet Gynecol 116:973-80, 1 Aug 73
A case of squamous cell carcinoma in a heifer associated with persistent lactation, cystic ovaries and mucometra. Jha GJ, et al. Vet Rec 92:137-8, 10 Feb 73

DIAGNOSIS

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ. Am J Obstet Gynecol 116:551-6, 15 Jun 73

DRUG THERAPY

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ. Am J Obstet Gynecol 116:551-6, 15 Jun 73

PHYSIOPATHOLOGY

Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al. J Dairy Sci 56:738-43, Jun 73

RADIOGRAPHY

Total body opacification and neonatal ovarian cysts. Taber P, et al. J Pediatr Surg 8:429-30, Jun 73

SURGERY

Total body opacification and neonatal ovarian cysts. Taber P, et al. J Pediatr Surg 8:429-30, Jun 73

VETERINARY

Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al. J Dairy Sci 56:738-43, Jun 73
A case of squamous cell carcinoma in a heifer associated with persistent lactation, cystic ovaries and mucometra. Jha GJ, et al. Vet Rec 92:137-8, 10 Feb 73

OVARIAN DISEASES

Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al. Neuroendocrinology 11:370-4, 1973
[Functional exploration of the ovary. Physiological, biological, and clinical aspects] Labadie P. Rev Prat 22:4533-64, 11 Dec 72 (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

OVARIAN DISEASES

CHEMICALLY INDUCED

[Vascular and gynecological consequences of estroprogestatives] Chabrier J, et al.
Phlebologie 25:251-4, Jul-Sep 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

Current practice problems: nymphomania in a mare. Witherspoon DM.
J Am Vet Med Assoc 163:168, 15 Jul 73

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)

[Morphological examination of the endometrium] Kikyo S. **Jap J Clin Pathol 21:94-101, Jan 73 (Jap)**

[Gangrene of a twisted ovary in girls] Ladnaia IS.
Khirurgiia (Mosk) 48:119-20, Sep 72 (Rus)

PATHOLOGY

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)

SURGERY

Hysterectomy complications. Levinson CJ.
Clin Obstet Gynecol 15:802-26, Sep 72 (16 ref.)

[Descensus of the ovaries. Ovarian prolapse. Ovarian ptosis] Sebek V.
Cesk Gynekol 38:364-7, Jun 73 (Eng. Abstr.) (Cze)

VETERINARY

Current practice problems: nymphomania in a mare. Witherspoon DM.
J Am Vet Med Assoc 163:168, 15 Jul 73

OVARIAN NEOPLASMS

In vitro studies of human tumor and embryonic tissue. Allen A, et al. **Am J Obstet Gynecol 116:463-9, 15 Jun 73**

The ovarian carcinoid. Trevenen C, et al.
Cancer 31:1482-6, Jun 73

Clear cell carcinoma of the human ovary transplanted to the peritoneal cavity of the hamster. Cobb LM, et al.
Transplantation 16:76-8, Jul 73

[Late enteromesenteric metastasis of a tumor of the granulosa] Grisoli J, et al.
Sem Hop Paris 49:649-55, 20 Feb 73 (Fre)

[Paradoxical menstruation and resistant ascites due to granulosa cell tumor in postmenopause. Value of the cytogenetic study of the ascitic fluid] Moretti G, et al.
Sem Hop Paris 49:645-8, 20 Feb 73 (Fre)

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

BLOOD

The biochemical diagnosis of ovarian cancer. McGowan L, et al. **Am J Obstet Gynecol 116:760-8, 15 Jul 73**

Evidence for specific tumor cytotoxic antibodies in serum of cervical cancer patients. Weintraub I, et al.
Am J Obstet Gynecol 116:985-92, 1 Aug 73

Serum alpha fetoprotein concentration and tumor growth dissociation in a patient with ovarian teratocarcinoma. Esterhay RJ Jr, et al.
Cancer 31:835-9, Apr 73

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72

CLASSIFICATION

Pilot study evaluating 1,3-bis(2-chloroethyl)-1-nitrosourea in the treatment of advanced ovarian carcinoma. Jorgensen EO, et al.
Am J Obstet Gynecol 116:769-70, 15 Jul 73

COMPLICATIONS

Benign and malignant mucocele of the appendix. Histological types and prognosis. Aho AJ, et al.
Acta Chir Scand 139:392-400, 1973

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

Familial incidence of ovarian dermoid cysts. Plattner G, et al. **Can Med Assoc J 108:892-3, 7 Apr 73**

Three primary malignancies occurring within fourteen months in the same patient. Korbitz BC.
J Am Geriatr Soc 21:330-2, Jul 73

[Ovarian tumor and Peutz-Jeghers syndrome. A new female case of a malformative tumor of the sex cords] Netter Lambert A, et al.
Ann Med Interne (Paris) 124:187, Mar 73 (Fre)

[Urogenital fistulas in genital carcinoma] Nöschel H, et al.
Dtsch Gesundheitsw 28:462-4, 2 Mar 73 (Eng. Abstr.) (Ger)

[Urocytogram in the treatment of cervical and ovarian carcinoma. Differential diagnosis and clinical consequences] Schrage R, et al.
Med Welt 23:1938-43, 16 Dec 72 (Ger)

[Sigmoid carcinoma in gynecological practice] Mladenović D, et al.
Srp Arh Celok Lek 100:1105-8, Sep 72 (Ser)

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

DIAGNOSIS

Ovarian carcinoma metastatic to the diaphragm--frequently undiagnosed at laparotomy. A preliminary report. Bagley CM Jr, et al.
Am J Obstet Gynecol 116:397-400, 1 Jun 73

The biochemical diagnosis of ovarian cancer. McGowan L, et al. **Am J Obstet Gynecol 116:760-8, 15 Jul 73**

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Am J Obstet Gynecol 116:551-6, 15 Jun 73

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. **Am J Obstet Gynecol 116:401-7, 1 Jun 73**

Familial incidence of ovarian dermoid cysts. Plattner G, et al. **Can Med Assoc J 108:892-3, 7 Apr 73**

[Ovarian tumor and Peutz-Jeghers syndrome. A new female case of a malformative tumor of the sex cords] Netter Lambert A, et al.
Ann Med Interne (Paris) 124:187, Mar 73 (Fre)

[Primary epithelioma of the fallopian tube. Cytological screening] Liégeois A.
J Gynecol Obstet Biol Reprod (Paris) 1:745-53, Oct-Nov 72 (Eng. Abstr.) (Fre)

[Urocytogram in the treatment of cervical and ovarian carcinoma. Differential diagnosis and clinical consequences] Schrage R, et al.
Med Welt 23:1938-43, 16 Dec 72 (Ger)

[Liver anomaly simulating an ovarian tumor] Geissler U, et al. **Zentralbl Gynaekol 95:609-13, 4 May 73 (Ger)**

DRUG THERAPY

Pilot study evaluating 1,3-bis(2-chloroethyl)-1-nitrosourea in the treatment of advanced ovarian carcinoma. Jorgensen EO, et al.
Am J Obstet Gynecol 116:769-70, 15 Jul 73

Adriamycin--an antitumor antibiotic in the treatment of neoplastic diseases. Tan C, et al.
Cancer 32:9-17, Jul 73

Metastatic ovarian cancer. Smith JP, et al.
Clin Obstet Gynecol 16:286-97, Jun 73

Triple massive-dose drug therapy in combined treatment of advanced ovarian carcinoma. Vahrson H.
Geburtshilfe Frauenheilkd 33:293-6, Apr 73 (Eng. Abstr.) (Ger)

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. **South Med J 66:639-92, Jun 73**

ENZYMOLOGY

Immunoglobulin and glucose-6-phosphate dehydrogenase as markers of cellular origin in Burkitt lymphoma. Fialkow PJ, et al.
J Exp Med 138:89-102, 1 Jul 73

FAMILIAL & GENETIC

Genetic cutaneous disorders with gynecologic tumors. Walker RH, et al.
Am J Obstet Gynecol 116:485-92, 15 Jun 73

Familial incidence of ovarian dermoid cysts. Plattner G, et al. **Can Med Assoc J 108:892-3, 7 Apr 73**

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. **Cancer 31:1440-50, Jun 73**

Identification of normal and abnormal chromosomes in tumor cells. Tiepolo L, et al.
Cytogenet Cell Genet 12:8-16, 1973

[Studies on the mechanism and dynamics of chromosome aberrations in tumors. II. Karyotyping and ploidy] Hole H, et al.
Med Welt 23:1923-9, 16 Dec 72 (Ger)

IMMUNOLOGY

Evidence for specific tumor cytotoxic antibodies in serum of cervical cancer patients. Weintraub I, et al.
Am J Obstet Gynecol 116:985-92, 1 Aug 73

Carcinoembryonic antigen in cancer of the female reproductive system: sequential levels and effects of treatment. Khoo SK, et al.
Aust NZ J Obstet Gynaecol 13:1-17, Feb 73

Carcinoembryonic antigen (CEA) in gastrointestinal and extragastrointestinal tumors and its relationship to tumor-cell differentiation. Denk H, et al.
Int J Cancer 10:262-72, 15 Sep 72

Immunoglobulin and glucose-6-phosphate dehydrogenase as markers of cellular origin in Burkitt lymphoma. Fialkow PJ, et al.
J Exp Med 138:89-102, 1 Jul 73

Antigen solubilized from human solid tumours: lymphocyte stimulation and cutaneous delayed hypersensitivity. Mavligit GM, et al.
Nature [New Biol] 243:188-90, 6 Jun 73

Evidence for fetal antigen in human sarcoma. Mukherji B, et al. **Science 181:440-2, 3 Aug 73**

METABOLISM

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. **Am J Obstet Gynecol 116:401-7, 1 Jun 73**

The secretion of fibrinolysin by cultured rat ovarian tumor cells. Yunis AA, et al.
Biochem Biophys Res Commun 52:1003-12, 8 Jun 73

MICROBIOLOGY

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al.
Cancer 31:1440-50, Jun 73

MORTALITY

Borderline and malignant mucinous tumors of the ovary. Histologic criteria and clinical behavior. Hart WR, et al. **Cancer 31:1031-45, May 73**

Metastatic ovarian cancer. Smith JP, et al.
Clin Obstet Gynecol 16:286-97, Jun 73

OCCURRENCE

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

PATHOLOGY

Ovarian carcinoma metastatic to the diaphragm--frequently undiagnosed at laparotomy. A preliminary report. Bagley CM Jr, et al.
Am J Obstet Gynecol 116:397-400, 1 Jun 73

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73

Genetic cutaneous disorders with gynecologic tumors. Walker RH, et al.
Am J Obstet Gynecol 116:485-92, 15 Jun 73

Malignant melanoma of the iris and ciliary body occurring as a third primary malignancy. Morgan SS, et al. **Am J Ophthalmol 76:26-9, Jul 73**

Serum alpha fetoprotein concentration and tumor growth dissociation in a patient with ovarian teratocarcinoma. Esterhay RJ Jr, et al.
Cancer 31:835-9, Apr 73

Borderline and malignant mucinous tumors of the ovary. Histologic criteria and clinical behavior. Hart WR, et al. **Cancer 31:1031-45, May 73**

Autopsy study of granulocytic sarcoma (chloroma) in patients with myelogenous leukemia, Hiroshima-Nagasaki 1949-1969. Liu PI, et al.
Cancer 31:948-55, Apr 73

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al.
Cancer 31:1440-50, Jun 73

The ovarian carcinoid. Trevenen C, et al.
Cancer 31:1482-6, Jun 73

[Urocytogram in the treatment of cervical and ovarian carcinoma. Differential diagnosis and clinical consequences] Schrage R, et al.
Med Welt 23:1938-43, 16 Dec 72 (Ger)

[Adenomatoid tumors of the uterus and adnexa. Contribution on the significance of these neoplasms form the morphological viewpoint] Guski H, et al.
Zentralbl Gynaekol 95:618-23, 4 May 73 (Ger)

[Granulosa-cell and Brenner tumor in a female patient with adenocarcinoma of the corpus uteri] Jalůvka V, et al. **Zentralbl Gynaekol 95:603-8, 4 May 73 (Ger)**

[Proliferating papilliomatosis of the ovaries] Gandina IA, et al. **Arkh Patol 35:28-31, 1973 (Eng. Abstr.) (Rus)**

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

RADIOTHERAPY

Metastatic ovarian cancer. Smith JP, et al.
Clin Obstet Gynecol 16:286-97, Jun 73

Triple massive-dose drug therapy in combined treatment of advanced ovarian carcinoma. Vahrson H.
Geburtshilfe Frauenheilkd 33:293-6, Apr 73 (Eng. Abstr.) (Ger)

Three primary malignancies occurring within fourteen months in the same patient. Korbitz BC.
J Am Geriatr Soc 21:330-2, Jul 73

[Problems caused by radiotherapy of germinal epitheliomas of the ovary] Urbajtel M, et al.
J Radiol Electrol Med Nucl 54:19-26, Jan 73 (Eng. Abstr.) (Fre)

[Urocytogram in the treatment of cervical and ovarian carcinoma. Differential diagnosis and clinical consequences] Schrage R, et al.
Med Welt 23:1938-43, 16 Dec 72 (Ger)

[Kinetic parameters of the growth of clone sublines of rat ovary ascites tumor differing in radiosensitivity] Ismailov BI, et al.
Vopr Onkol 19:72-5, May 73 (Eng. Abstr.) (Rus)

SURGERY

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

Carcinoembryonic antigen in cancer of the female reproductive system: sequential levels and effects of treatment. Khoo SK, et al.
Aust NZ J Obstet Gynaecol 13:1-17, Feb 73

Yolk sac tumour of the ovary. Aberdeen JD, et al.
Aust Paediatr J 8:342-4, Dec 72

Familial incidence of ovarian dermoid cysts. Plattner G, et al. **Can Med Assoc J 108:892-3, 7 Apr 73**

Borderline and malignant mucinous tumors of the ovary. Histologic criteria and clinical behavior. Hart WR, et al. **Cancer 31:1031-45, May 73**

Metastatic ovarian cancer. Smith JP, et al.
Clin Obstet Gynecol 16:286-97, Jun 73

Three primary malignancies occurring within fourteen months in the same patient. Korbitz BC.
J Am Geriatr Soc 21:330-2, Jul 73

[Problems caused by radiotherapy of germinal epitheliomas of the ovary] Urbajtel M, et al.
J Radiol Electrol Med Nucl 54:19-26, Jan 73 (Eng. Abstr.) (Fre)

[Paradoxical menstruation and resistant ascites due to granulosa cell tumor in postmenopause. Value of the cytogenetic study of the ascitic fluid] Moretti G, et al.
Sem Hop Paris 49:645-8, 20 Feb 73 (Fre)

[Proliferating papilliomatosis of the ovaries] Gandina IA, et al. **Arkh Patol 35:28-31, 1973 (Eng. Abstr.) (Rus)**

[Sigmoid carcinoma in gynecological practice] Mladenović D, et al.
Srp Arh Celok Lek 100:1105-8, Sep 72 (Ser)

LIBRARY U. OF I., URBANA-CHAMPAIGN

THERAPY

Metastatic ovarian cancer. Smith JP, et al.
Clin Obstet Gynecol 16:286-97, Jun 73
Triple massive-dose drug therapy in combined treatment of advanced ovarian carcinoma. Vahrson H.
Geburtshilfe Frauenheilkd 33:293-6, Apr 73 (Eng. Abstr.) (Ger)

OVARY

ABNORMALITIES

[Development of internal female genital aplasia with special reference to the Mayer-Rokitansky-Küster syndrome] Schmid-Tannwald I, et al.
Zentralbl Gynaekol 95:421-8, 20 Mar 73 (Ger)

INJURIES

[Traumatic dislocation of an ovary in a child] Polishchuk FA.
Khirurgiia (Mosk) 48:120, Sep 72 (Rus)

PSEUDOHERMAPHRODITISM

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73
Effects of testosterone treatment in adulthood on sexual behaviour of female pseudohermaphrodite rhesus monkeys. Eaton GG, et al.
Nature [New Biol] 242:119-20, 28 Mar 73
[Sexual ambiguity in female pseudohermaphroditism. Report on 61 cases] David M, et al.
Pediatrie 27:871-89, Dec 72 (Fre)
[Report on intersexual states. Introduction] Jeune M.
Pediatrie 27:811-2, Dec 72 (Fre)

CHEMICALLY INDUCED

Effects of testosterone treatment in adulthood on sexual behaviour of female pseudohermaphrodite rhesus monkeys. Eaton GG, et al.
Nature [New Biol] 242:119-20, 28 Mar 73

CLASSIFICATION

[Sexual ambiguity in female pseudohermaphroditism. Report on 61 cases] David M, et al.
Pediatrie 27:871-89, Dec 72 (Fre)
[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al.
Pediatrie 27:891-912, Dec 72 (Fre)

COMPLICATIONS

Male pseudohermaphroditism in a child with Down's syndrome. Golbus MS, et al.
J Med Genet 10:189-92, Jun 73

EMBRYOLOGY

[Development of internal female genital aplasia with special reference to the Mayer-Rokitansky-Küster syndrome] Schmid-Tannwald I, et al.
Zentralbl Gynaekol 95:421-8, 20 Mar 73 (Ger)

ENZYMOLOGY

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72

ETIOLOGY

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72
[Sexual ambiguity in female pseudohermaphroditism. Report on 61 cases] David M, et al.
Pediatrie 27:871-89, Dec 72 (Fre)
[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al.
Pediatrie 27:891-912, Dec 72 (Fre)

FAMILIAL & GENETIC

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72
In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al.
J Steroid Biochem 4:139-51, Mar 73
Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)
[Male pseudohermaphroditism with deletion of short and long arm of chromosome Y] Kobielowa Z, et al.
Pediatr Pol 48:613-6, May 73 (Pol)

METABOLISM

In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al.
J Steroid Biochem 4:139-51, Mar 73

PHYSIOPATHOLOGY

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf) 1:141-7, Apr 72**

SURGERY

On management of intersexual anomalies. Theogaraj SD. **Plast Reconstr Surg 51:632-40, Jun 73**
[Sexual ambiguity in female pseudohermaphroditism. Report on 61 cases] David M, et al.
Pediatrie 27:871-89, Dec 72 (Fre)

URINE

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72

PUBERTY, PRECOCIOUS

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72
[Sexual precocity and environmental factors] Hirai N.
Jap J Nurs Art 19:108-14, May 73 (Jap)
[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

BLOOD

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al.
N Engl J Med 289:282-6, 9 Aug 73
[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)

COMPLICATIONS

[Case of hepatoblastoma in an infant with ectopic gonadotropin production] Kusunoki T, et al.
Clin Endocrinol (Tokyo) 20:977-83, Nov 72 (Jap)

DIAGNOSIS

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr 83:187-200, Aug 73**
[Embryodyspiasia with features of incomplete Albright's syndrome] Kopyść Z, et al.
Pediatr Pol 48:617-22, May 73 (Pol)

DRUG THERAPY

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973

ETIOLOGY

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. **Helv Paediatr Acta 28:127-34, May 73**
Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr 83:187-200, Aug 73**
Twenty-four hour patterns of plasma luteinizing

hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al.
N Engl J Med 289:282-6, 9 Aug 73

METABOLISM

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al.
N Engl J Med 289:282-6, 9 Aug 73

PHYSIOPATHOLOGY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

PREVENTION & CONTROL

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. Helv Paediatr Acta 28:127-34, May 73

THERAPY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

SERTOLI CELL TUMOR

COMPLICATIONS

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73

FAMILIAL & GENETIC

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. Cancer 31:1440-50, Jun 73

PATHOLOGY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. Br J Urol 45:213-7, Apr 73
Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al. Cancer 31:1440-50, Jun 73

RADIOTHERAPY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. Br J Urol 45:213-7, Apr 73

SURGERY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. Br J Urol 45:213-7, Apr 73

SEX CHROMOSOME ABNORMALITIES

Spastic paraparesis associated with optic atrophy in monozygotic twins. Nyberg-Hansen R, et al. Acta Neurol Scand [Suppl] 51:261-3, 1972
A psychiatric-psychological study of patients with the XYY syndrome found outside of institutions. Nielsen J, et al. Acta Psychiatr Scand 49:159-68, 1973
Triple mosaicism of X-chromosomes with bipolar affective psychosis. Kusumi Y, et al. Dis Nerv Syst 34:94-7, Feb 73
Dermatoglyphics. Miller JR. J Invest Dermatol 60:435-42, Jun 73 (40 ref.)
Male pseudohermaphroditism in a child with Down's syndrome. Golbus MS, et al. J Med Genet 10:189-92, Jun 73
Inherited variations in thyroxine transport. Robbins J. Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)
Sex chromosome anomalies and essential tremor. Baughman FA Jr, et al. Neurology (Minneap) 23:623-5, Jun 73
Genetic control of sexual difference. Federman DD. Prog Med Genet 9:215-35, 1973 (102 ref.)
Symposium: pigmentary retinopathy summing-up. Carr RE. Trans Ophthalmol Soc UK 92:289-301, 1972 (17 ref.)
Hereditary aspects of pigmentary retinopathy. Jay B. Trans Ophthalmol Soc UK 92:173-8, 1972
[Medical genetics and its goals] Dallaire L. Union Med Can 101:2663-8, Dec 72 (Eng. Abstr.) (Fre)
[Lyonization as a possible cause of hemophilia B in a female child] Révész T, et al. Orv Hetil 114:1603-8, 8 Jul 73 (Hun)
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al. Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)
[Supernumery metacentric chromosome fragment in a phenotypically normal male (47, XY, ?+) patient with psoriasis] Ventruto V, et al. Minerva Med 64:1624-32, 2 May 73 (Eng. Abstr.) (Ita)

COMPLICATIONS

Behavioral aspects of chromosomal disorders. Kessler S, et al. Annu Rev Med 24:89-102, 1973 (114 ref.)
Y ring chromosome associated with gonadoblastoma in situ. Khudr G, et al. Obstet Gynecol 41:897-901, Jun 73

DIAGNOSIS

A prenatal diagnosis clinic: an initial report. Prescott GH, et al. Am J Obstet Gynecol 116:942-8, 1 Aug 73
Intrauterine diagnosis: potential complications. Robinson A, et al. Am J Obstet Gynecol 116:937-41, 1 Aug 73
Results and pitfalls in prenatal cytogenetic diagnosis. Hsu LY, et al. J Med Genet 10:112-9, Jun 73
Application of new staining techniques to the study of human chromosomes. Miller OJ, et al. Prog Med Genet 9:1-47, 1973 (130 ref.)
Detection of heterozygotes in families with X-linked pigmentary retinopathy by measurement of retinal rhodopsin concentration. Bird AC, et al. Trans Ophthalmol Soc UK 92:221-9, 1972
[Karyotype 49, XXXXY in an infant] Serville F, et al. Pediatrie 28:83-90, Jan-Feb 73 (Fre)
[Indications for chromosome analysis from the pediatric viewpoint] Steinbicker V, et al. Kinderaerztl Prax 41:91-8, Feb 73 (Ger)
[Chromosome aberration 48, XXXY] Pfeiffer RA, et al. Munch Med Wochenschr 115:594-8, 6 Apr 73 (Eng. Abstr.) (Ger)

ETIOLOGY

Origin of 48,XXXY: the evidence of the Xg blood groups. Pfeiffer RA, et al. J Med Genet 10:142-3, Jun 73

OCCURRENCE

Prison survey for the XYY karyotype in tall inmates. Finley WH, et al. Behav Genet 3:97-100, Mar 73

PREVENTION & CONTROL

[Medical genetic counseling--aim and problems] Wittwer B. Dtsch Gesundheitsw 28:436-44, 2 Mar 73 (Eng. Abstr.) (Ger)

VETERINARY

[Fecundity of cows in the light of cytogenetic research] Rauluszkiewicz S, et al. Pol Arch Weter 15:713-8, 1972 (Eng. Abstr.) (Pol)

SEX DIFFERENTIATION DISORDERS

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. Acta Endocrinol (Kbh) 73:179-88, May 73
Effect of neonatal orchiectomy on the expression of histocompatibility antigens. Poláčková M, et al. Folia Biol (Praha) 19:13-8, 1973
Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al. J Med Genet 10:170-4, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Report on intersexual states. Introduction] Jeune M.
Pediatrie 27:811-2, Dec 72 (Fre)

DIAGNOSIS

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73
Peritoneoscopy in infants and children. Gans SL, et al.
J Pediatr Surg 8:399-405, Jun 73
Antenatal diagnosis of genetic defects. Goodner DM.
J Reprod Med 10:261-8, Jun 73

DRUG THERAPY

Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A.
Sov J Dev Biol 3:396-406, Sep-Oct 72

ETIOLOGY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73
[Effect of DDT on the urogenital tract of chick and quail embryos] Lutz-Ostertag Y, et al.
C R Acad Sci [D] (Paris) 276:1213-6, 12 Feb 73 (Fre)

PHYSIOPATHOLOGY

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. J Pediatr 83:187-200, Aug 73

STEIN-LEVENTHAL SYNDROME

BLOOD

Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al.
Endocrinol Exp (Bratisl) 7:80-4, 1973
Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S.
Obstet Gynecol 41:809-17, Jun 73

ETIOLOGY

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

METABOLISM

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73

SURGERY

[Surgical treatment of polycycstic ovary] González Gutièrrez JT.
Ginecol Obstet Mex 33:335-45, Apr 73 (Eng. Abstr.) (Spa)

URINE

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

TESTICULAR DISEASES

CHEMICALLY INDUCED

Organosiloxanes and reproduction.
Food Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)

COMPLICATIONS

[Idiopathic human azoospermia. Clinical experimental study] Bonati B, et al.
Recent Prog Med (Roma) 54:160-96, Feb 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Sarcoid of the testis. Chowdhury SD, et al.
Br J Urol 45:218-20, Apr 73

ETIOLOGY

An unusual surgical manifestation of Schönlein-Henoch purpura. Lipsitz PJ, et al.
J Pediatr Surg 8:437-8, Jun 73
[Transitory disorders of amino acid metabolism. Practical viewpoints] Bremer HJ, et al.
Monatsschr Kinderheilkd 121:207-9, May 73 (32 ref.) (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Inherited disorders causing infertility in the bull. Gledhill BL.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)

OCCURRENCE

Testicular tumors in children. Tsuji I, et al.
J Urol 110:127-9, Jul 73

PATHOLOGY

Sarcoid of the testis. Chowdhury SD, et al.
Br J Urol 45:218-20, Apr 73
Inherited disorders causing infertility in the bull. Gledhill BL.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)
[Idiopathic human azoospermia. Clinical experimental study] Bonati B, et al.
Recent Prog Med (Roma) 54:160-96, Feb 73 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

PREVENTION & CONTROL

Reserpine, adrenalectomy and the reversal of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. J Reprod Fertil 33:523-6, Jun 73

THERAPY

Testicular tumors in children. Tsuji I, et al.
J Urol 110:127-9, Jul 73

VETERINARY

Inherited disorders causing infertility in the bull. Gledhill BL.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)
A case of azoospermia in a previously fertile dog with subsequent recovery. Evans J, et al.
Vet Rec 92:198-9, 24 Feb 73
A case of Azoospermia in the dog. Humphreys PN.
Vet Rec 92:272, 10 Mar 73

TESTICULAR FEMINIZATION

Some surgical aspects in male hermaphroditism. Starup J, et al. Acta Chir Scand [Suppl] 433:132-6, 1973
Testicular feminization. Shankar PS.
Indian J Med Sci 27:256-9, Mar 73
[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al.
Pediatrie 27:891-912, Dec 72 (Fre)
[2 cases of familial male hermaphroditism] Tanaka Y.
Clin Endocrinol (Tokyo) 21:87-91, Jan 73 (Jap)

CLASSIFICATION

[Attempt at classification of testicular anomalies] Lushcha AL, et al.

Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
Testicular feminisation and inguinal hernia. German J, et al. Lancet 1:891, 21 Apr 73
[Total testicular feminization] Strebelow W. Z Aerztl Fortbild (Jena) 67:238-40, 1 Mar 73 (Ger)

DIAGNOSIS

Testicular feminisation and inguinal hernia. German J, et al. Lancet 1:891, 21 Apr 73
[Total testicular feminization] Strebelow W. Z Aerztl Fortbild (Jena) 67:238-40, 1 Mar 73 (Ger)
[Testicular feminization syndrome. Clinical case report] Basile F. Minerva Ginecol 25:187-91, Apr 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al. Pediatrie 27:891-912, Dec 72 (Fre)
[Testicular feminization syndrome. Clinical case report] Basile F. Minerva Ginecol 25:187-91, Apr 73 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
Role of testosterone in normal female function. Ohno S, et al. Nature [New Biol] 243:119-20, 23 May 73
Genetic control of sexual difference. Federman DD. Prog Med Genet 9:215-35, 1973 (102 ref.)

SURGERY

[Colpopoiesis operations in testicular forms of hermaphroditism] Golubeva IV, et al. Probl Endokrinol (Mosk) 19:44-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

URINE

[Hormonal determination of human androgenicity. Value of urinary determination of androstanediol and testosterone] Mauvais-Jarvis P, et al. Nouv Presse Med 2:1565-9, 9 Jun 73 (Fre)

TESTICULAR NEOPLASMS

Methotrexate U.S.P. (amethopterin) and methotrexate sodium. Am J Hosp Pharm 30:542-8, Jun 73
Multiple foci of atypical epithelial hyperplasia (tumourlets) in irradiated human lungs. Talerman A. Br J Radiol 46:464-6, Jun 73
Spontaneous regression of metastatic testicular cancer. Birkhead BM, et al. Cancer 32:125-9, Jul 73
Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73
Testicular tumors in children. Tsuji I, et al. J Urol 110:127-9, Jul 73
[Malignant ectopic testicle] Răzeşu V, et al. Chirurgia (Bucur) 22:535-8, Jun 73 (Eng. Abstr.) (Rum)
[Choriocarcinoma of the testicle with metastasis to the gingiva (report of a case)] Roa HS, et al. Rev Guatem Estomatol 2:96-9, Sep-Dec 72 (Spa)

BLOOD

Discordance of human chorionic gonadotropin and alpha-fetoprotein in testicular teratocarcinomas. Braunstein GD, et al. Cancer 31:1065-8, May 73

CHEMICALLY INDUCED

Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Kotoh K, et al. Cancer Res 33:1247-52, Jun 73

COMPLICATIONS

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
The occurrence of carcinoid tumour in teratoma of the testis. Sinnatamby CS, et al. Br J Surg 60:576-9, Jul 73
Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73

DIAGNOSIS

The occurrence of carcinoid tumour in teratoma of the testis. Sinnatamby CS, et al. Br J Surg 60:576-9, Jul 73
Sarcoid of the testis. Chowdhury SD, et al. Br J Urol 45:218-20, Apr 73
Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73
Ectopic adrenal tumor presenting as torsion of the spermatic cord in a newborn infant. Mininberg DT, et al. J Urol 109:1037-8, Jun 73
Treatment of testicular tumors. Fraley EE, et al. Minn Med 56:593-6, Jul 73
[Study of immature dysembryomas] Gaillard JA. Ann Anat Pathol (Paris) 17:487-500, Oct-Dec 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Discordance of human chorionic gonadotropin and alpha-fetoprotein in testicular teratocarcinomas. Braunstein GD, et al. Cancer 31:1065-8, May 73
Metastatic embryonal cell carcinoma of testis: an apparent 8-year cure. Dees JE. J Urol 110:90-2, Jul 73
Chemotherapy of genitourinary malignancies. Gordon RL. Semin Drug Treat 3:69-72, Summer 73
[Cytostatic therapy of malignant testicular tumors] Wilms K. Minerva Med 64:666-9, 14 Mar 73 (Ita)

ETIOLOGY

Extramedullary plasmacytomas following successful radiotherapy of Hodgkin's disease. Clinical and immunologic aspects. Oldham RK, et al. Am J Med 54:761-7, Jun 73
Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73

METABOLISM

Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Kotoh K, et al. Cancer Res 33:1247-52, Jun 73

MORTALITY

Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73
Testicular tumors in children. Tsuji I, et al. J Urol 110:127-9, Jul 73

OCCURRENCE

Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73
Testicular tumors in children. Tsuji I, et al. J Urol 110:127-9, Jul 73

PATHOLOGY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. Am J Med Sci 265:321-33, Apr 73
The occurrence of carcinoid tumour in teratoma of the testis. Sinnatamby CS, et al. Br J Surg 60:576-9, Jul 73
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. Br J Urol 45:213-7, Apr 73
Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. Cancer 31:1208-12, May 73
Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. Indian J Cancer 10:31-5, Mar 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Orchioblastoma: report of four cases. Kher M, et al. **Indian J Pediatr 40:28-30, Jan 73**
Metastatic embryonal cell carcinoma of testis: an apparent 8-year cure. Dees JE. **J Urol 110:90-2, Jul 73**
Ectopic adrenal tumor presenting as torsion of the spermatic cord in a newborn infant. Mininberg DT, et al. **J Urol 109:1037-8, Jun 73**
Reaction of the skeleton and bone marrow to malignant tumours of the testis. Comparison and evaluation of results of strontium (85 Sr) test and cytological findings from sternal punctates in 44 patients. Bek V, et al. **Neoplasma 20:209-15, 1973**
Hodgkin's sarcoma involving the testicle and adnexa. Vishniavsky S. **Va Med Mon 100:534-7, Jun 73**

RADIOTHERAPY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci 265:321-33, Apr 73**
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. **Br J Urol 45:213-7, Apr 73**

SURGERY

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al. **Am J Med Sci 265:321-33, Apr 73**
The occurrence of carcinoid tumour in teratoma of the testis. Sinnatamby CS, et al. **Br J Surg 60:576-9, Jul 73**
A malignant Sertoli cell tumour of the testis. Koppikar DD, et al. **Br J Urol 45:213-7, Apr 73**
Urinary cholesterol. V. Its excretion in men with testicular and prostatic neoplasms. Acevedo HF, et al. **Cancer 32:196-205, Jul 73**
Spontaneous regression of metastatic testicular cancer. Birkhead BM, et al. **Cancer 32:125-9, Jul 73**
Malignant interstitial cell testicular tumor. Mahon FB Jr, et al. **Cancer 31:1208-12, May 73**
Metastatic embryonal cell carcinoma of testis: an apparent 8-year cure. Dees JE. **J Urol 110:90-2, Jul 73**
Ectopic adrenal tumor presenting as torsion of the spermatic cord in a newborn infant. Mininberg DT, et al. **J Urol 109:1037-8, Jun 73**
Treatment of testicular tumors. Fraley EE, et al. **Minn Med 56:593-6, Jul 73**

THERAPY

Testicular tumours associated with undescended testes. A retrospective study of 45 cases. Kamat MR, et al. **Indian J Cancer 10:31-5, Mar 73**
Metastatic embryonal cell carcinoma of testis: an apparent 8-year cure. Dees JE. **J Urol 110:90-2, Jul 73**
Testicular tumors in children. Tsuji I, et al. **J Urol 110:127-9, Jul 73**
Treatment of testicular tumors. Fraley EE, et al. **Minn Med 56:593-6, Jul 73**

URINE

Urinary cholesterol. V. Its excretion in men with testicular and prostatic neoplasms. Acevedo HF, et al. **Cancer 32:196-205, Jul 73**

VETERINARY

Comparison of neoplasms in six sources of rats. Mac Kenzie WF, et al. **J Natl Cancer Inst 50:1243-57, May 73**

TESTIS

ABNORMALITIES

Monorchic Moniliformis dubius (Acanthocephala). Crompton DW. **Int J Parasitol 2:483, Nov 72**
Inherited disorders causing infertility in the bull. Gledhill BL.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)
Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. **J Clin Endocrinol Metab 36:1132-42, Jun 73**
FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab 37:68-73, Jul 73**
Hypodactyly, a new recessive mutation in the Norway rat. Moutier R, et al. **J Hered 64:99-100, Mar-Apr 73**
Tetralogy studies on methylmercury hydroxide and nitrilotriacetate sodium in rats. Scharpf LG Jr, et al. **Nature 243:461-3, 16 Feb 73**
The teratogenicity of cadmium chloride in two stocks of Wistar rats. Barr M Jr. **Teratology 7:237-42, Jun 73**
[Combined heart-skin disorders: the LEOPARD syndrome] Battin J, et al.
Arch Fr Pediatr 29:1117-8, Dec 72 (Fre)
[Malignant ectopic testicle] Răzeşu V, et al.
Chirurgia (Bucur) 22:535-8, Jun 73 (Eng. Abstr.) (Rum)
[Colpopoiesis operations in testicular forms of hermaphroditism] Golubeva IV, et al.
Probl Endokrinol (Mosk) 19:44-6, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Attempt at classification of testicular anomalies] Lushcha AL, et al.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

INJURIES

Trauma to the genitourinary tract: evaluation and management. Cass AS, et al.
Postgrad Med 53:63-8, Jun 73
[Hemato-testicular barrier] Raftsina SS, et al.
Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)

THECA CELL TUMOR

COMPLICATIONS

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

DIAGNOSIS

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

ENZYMOLOGY

Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73

METABOLISM

Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73

OCCURRENCE

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

SURGERY

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC.
Am J Obstet Gynecol 116:544-50, 15 Jun 73

TURNER'S SYNDROME

Some surgical aspects in male hermaphroditism. Starup J, et al. **Acta Chir Scand [Suppl] 433:132-6, 1973**
Gonadal dygenesis with isochromosome X and menstruation. Stafford TM, et al.
Am J Obstet Gynecol 116:886, 15 Jul 73
[Report on intersexual states. Introduction] Jeune M.
Pediatrie 27:811-2, Dec 72 (Fre)
[Clinical description of Turner's syndrome] Sato T.
Jap J Nurs Art 19:61-70, May 73 (Jap)

BLOOD

Hemophilia B in a phenotypically normal girl with XX (ring) XO mosaicism. Neuschatz J, et al.
Acta Haematol (Basel) 49:108-13, 1973
Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea. Talaš M, et al.
Endocrinol Exp (Bratisl) 7:80-4, 1973
An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. J Clin Endocrinol Metab 36:1132-42, Jun 73

[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)

COMPLICATIONS

Behavioral aspects of chromosomal disorders. Kessler S, et al. Annu Rev Med 24:89-102, 1973 (114 ref.)

An explanation of the apparently increased incidence of moderate mental retardation in Turner's syndrome. Garron DC, et al.
Behav Genet 3:37-43, Mar 73

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73

[Turner's syndrome and diabetes] Peyresblanques J, et al. Bull Soc Ophtalmol Fr 72:647-53, Jul-Aug 72 (Fre)

[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al.
Pediatrie 27:891-912, Dec 72 (Fre)

DIAGNOSIS

46,XX Turner's syndrome. Ansari AH, et al.
Am J Obstet Gynecol 116:415-22, 1 Jun 73

Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

Antenatal diagnosis of genetic defects. Goodner DM. J Reprod Med 10:261-8, Jun 73

[Turner's syndrome and diabetes] Peyresblanques J, et al. Bull Soc Ophtalmol Fr 72:647-53, Jul-Aug 72 (Fre)

[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al.
Rev Fr Endocrinol Clin 13:107-21, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Variability of the female Turner syndrome. Chromosome analysis and clinical findings in 17 typical and atypical cases] Eberle P, et al.
Arch Gynaekol 213:202-55, 1973 (Eng. Abstr.) (Ger)

[Indications for chromosome analysis from the pediatric viewpoint] Steinbicker V, et al.
Kinderaerztl Prax 41:91-8, Feb 73 (Ger)

DRUG THERAPY

[Turner's syndrome. Report of statistics concerning 60 cases] Rosenberg D, et al.
Pediatrie 27:831-50, Dec 72 (Fre)

ENZYMOLOGY

[Galactose-uridyl-transferase deficit in a patient with trisomy 21] Agosti E.
Quad Sclavo Diagn 8:199-203, Mar 72 (Eng. Abstr.) (Ita)

ETIOLOGY

[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al.
Rev Fr Endocrinol Clin 13:107-21, Mar-Apr 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

46,XX Turner's syndrome. Ansari AH, et al.
Am J Obstet Gynecol 116:415-22, 1 Jun 73

An explanation of the apparently increased incidence of moderate mental retardation in Turner's syndrome. Garron DC, et al.
Behav Genet 3:37-43, Mar 73

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

Dermatoglyphics. Miller JR.
J Invest Dermatol 60:435-42, Jun 73 (40 ref.)

Multiple pregnancy. 2. Benirschke K, et al.
N Engl J Med 288:1329-36, 21 Jun 73 (115 ref.)

Genetic control of sexual difference. Federman DD. Prog Med Genet 9:215-35, 1973 (102 ref.)

[Turner's syndrome. Report of statistics concerning 60 cases] Rosenberg D, et al.
Pediatrie 27:831-50, Dec 72 (Fre)

IMMUNOLOGY

Noonan's syndrome and autoimmune thyroiditis. Vesterhus P, et al. J Pediatr 83:237-40, Aug 73

METABOLISM

[Secretion of STH and insulin-glycide metabolism in subjects with Turner's syndrome or malformative small stature] Marrama P, et al.
Recent Prog Med (Roma) 54:197-212, Mar 73 (Eng. Abstr.) (Ita)

PATHOLOGY

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

Dermatoglyphics. Miller JR.
J Invest Dermatol 60:435-42, Jun 73 (40 ref.)

PHYSIOPATHOLOGY

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

THERAPY

[Borderline cases of gonadal dysgenesis. Correlations between clinical, cytogenetic and anatomo-pathological data] Servy E, et al.
Rev Fr Endocrinol Clin 13:107-21, Mar-Apr 72 (Eng. Abstr.) (Fre)

URINE

46,XX Turner's syndrome. Ansari AH, et al.
Am J Obstet Gynecol 116:415-22, 1 Jun 73

VETERINARY

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

LIBRARY U. OF I., URBANA-CHAMPAIGN

GONADS

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

ADMINISTRATION & DOSAGE

[Experience with anabolic steroid therapy in osteoporosis] Müller G.
Z Aerztl Fortbild (Jena) 67:277-9, 15 Mar 73 (Ger)

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 1:934, 28 Apr 73

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

ANALYSIS

[Thin layer chromatography for quantitative determination of methylandrostenediol] Parinov VIa.
Vopr Med Khim 18:437-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Pharmacological and toxicological properties of 19-nortestosterone-homofarnesta (DA 1979), a new anabolic agent. Coppi G, et al.
Arzneim Forsch 23:693-700, May 73

Some non-hormonal properties of 17 -hydroxy-17 -methyl-5 -androstano(2,3-c)furazan (furazabol). Onodera T, et al.
Chem Pharm Bull (Tokyo) 21:21-4, Jan 73

Effect of anabolic steroid, methylandrostenediol, on the intravenous insulin hypoglycemia and on liver glucose-6-phosphatase activity in male rats. Madar J, et al. **Endocrinol Exp (Bratisl) 7:107-12, 1973**

[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)

[Influence of anabolic steroids on the nitrogen metabolism of seriously ill patients] Herzberg H, et al.
Z Gesamte Inn Med 28:206-9, 1 Apr 73 (Eng. Abstr.) (Ger)

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Some non-hormonal properties of 17 -hydroxy-17 -methyl-5 -androstano(2,3-c)furazan (furazabol). Onodera T, et al.
Chem Pharm Bull (Tokyo) 21:21-4, Jan 73

Hypoplastic anemia. Pathophysiology and therapy. Jepson JH.
Med Clin North Am 57:1079-94, Jul 73 (80 ref.)

Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)

The role of androgens and anabolic steroids in the treatment of cancer. Brodsky I.
Semin Drug Treat 3:15-25, Summer 73

[Schmidt's syndrome] Baleva R, et al.
Vutr Boles 12:123-5, 1973 (Bul)

[Dwarfism caused by isolated insufficiency in pituitary growth hormone] Job JC, et al.
Rev Prat 23:893-903, 21 Feb 73 (Fre)

[Experience with anabolic steroid therapy in osteoporosis] Müller G.
Z Aerztl Fortbild (Jena) 67:277-9, 15 Mar 73 (Ger)

[Delayed studies of children with growth retardation] Kobielowa Z, et al.
Endokrynol Pol 24:149-59, 1973 (Eng. Abstr.) (Pol)

TOXICITY

Pharmacological and toxicological properties of 19-nortestosterone-homofarnesta (DA 1979), a new anabolic agent. Coppi G, et al.
Arzneim Forsch 23:693-700, May 73

ANDROGENS

Erythropoietin. Fried W.
Arch Intern Med 131:929-38, Jun 73 (161 ref.)

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res 54:1-29, 17 May 73**

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al.
Experientia 29:689, 15 Jun 73

Androgen-dependent synthesis of 2u globulin in diabetic rats: the role of insulin. Roy AK, et al.
J Endocrinol 57:327-8, May 73

ADMINISTRATION & DOSAGE

Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: comparison of four naturally occurring androgens. Luttge WG, et al.
Behav Biol 8:725-32, Jun 73

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. **Biol Reprod 8:395-9, May 73**

Hormone therapy for malignant myeloma. Kiang DT, et al. **Lancet 2:147-8, 21 Jul 73**

Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)

ADVERSE EFFECTS

Are some women's breast cancers androgen dependent? Flax H, et al. **Lancet 1:1204-7, 2 Jun 73**

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 1:934, 28 Apr 73

Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)

ANALYSIS

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al.
J Physiol (Paris) 65:Suppl 3:451A+, 1972 (Fre)

ANTAGONISTS & INHIBITORS

Antiandrogenic potency of drugs, evaluated by urinary enzyme excretion technique. Raab WP, et al.
Experientia 29:687, 15 Jun 73

Effect of hypophysectomy and cyproterone acetate on the liver ultrastructure as well as on hexobarbital anesthesia and zoxazolamine paralysis in rats. Szabo S, et al. **Horm Metab Res 5:109-13, Mar 73**

3,5-Dialkyl-4-(phthalimidomethyl)isoxazoles, pyrazoles, and isothiazoles. Novel antiandrogens. Scott JW, et al. **J Med Chem 16:512-6, May 73**

19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17 -hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. Shapiro EL, et al.
J Med Chem 16:649-54, Jun 73

Effect of oral cyproterone acetate on urinary FSH and LH levels in adult males being treated for hypersexuality. Brotherton J, et al.
J Reprod Fertil 33:256-7, May 73

Cyproterone acetate in the treatment of advanced carcinoma of the prostate. Smith RB, et al.
J Urol 110:106-8, Jul 73

[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)

[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.

Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)
[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)
[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. Am J Obstet Gynecol 116:401-7, 1 Jun 73
Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. Endocrinology 93:81-7, Jul 73
The ultrastructure of the Sertoli cell and its differentiation in the domestic fowl (Gallus domesticus). Cooksey EJ, et al.
J Anat 114:329-45, Apr 73
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

BLOOD

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. Biol Reprod 8:395-9, May 73
Androgens and exercise. Briggs MH, et al.
Br Med J 3:49-50, 7 Jul 73
Circadian challenges in "quality control". Biochemical rhythms and spacial phenomena. Tedeschi CG.
Hum Pathol 4:281-7, Jun 73 (38 ref.)
[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al.
J Physiol (Paris) 65:Suppl 3:451A+, 1972 (Fre)
[Current data on plasmatic androgens] Mahoudeau JA, et al. Rev Prat 23:881-91, 21 Feb 73 (Fre)

METABOLISM

Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married premenopausal women. Grattarola R.
Am J Obstet Gynecol 116:423-8, 1 Jun 73
Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al.
Am J Obstet Gynecol 116:981-4, 1 Aug 73
Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. Am J Obstet Gynecol 116:401-7, 1 Jun 73
The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73
On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al.
Biochim Biophys Acta 306:227-36, 24 May 73
Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al.
Biol Psychiatry 6:23-36, Feb 73
The metabolism of androgens in normal human testis and epididymis in vitro. Sulcová J, et al.
Endocrinol Exp (Bratisl) 7:113-8, 1973
Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al.
Experientia 29:689, 15 Jun 73
Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)
The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al.
J Clin Endocrinol Metab 36:1180-8, Jun 73
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Are some women's breast cancers androgen dependent? Flax H, et al. Lancet 1:1204-7, 2 Jun 73
Metabolism of androgens by human breast tissue. Miller WR, et al. Lancet 1:912-3, 28 Apr 73
Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)
Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al.
Steroids 21:813-32, Jun 73
[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al.
C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 (Fre)
[Current data on plasmatic androgens] Mahoudeau JA, et al. Rev Prat 23:881-91, 21 Feb 73 (Fre)

PHARMACODYNAMICS

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Voglmayr JK, et al.
Acta Endocrinol (Kbh) 73:196-208, May 73
Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: comparison of four naturally occurring androgens. Luttge WG, et al.
Behav Biol 8:725-32, Jun 73
Mesenchymal response of the blood vessel wall. A potential avenue for understanding and treating atherosclerosis. Wolinsky H.
Circ Res 32:543-9, May 73 (71 ref.)
Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73
Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)
Glucose oxidation in the hypothalamus during the sexual cycle in rats: influence of castration. Scacchi P, et al. Neuroendocrinology 11:321-7, 1973
[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)
[Influence of androgenic hormones on Hymenolepis nana parasitism in male mice. I. Effects of orchiectomy] Ballenger J, et al.
Ann Parasitol Hum Comp 47:773-7, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)
[In vitro culture of the lizard epididymis: a new system for study of androgen hormone action] Dufaure JP, et al. C R Soc Biol (Paris) 166:366-9, 9 Nov 72 (Fre)
[Hypolipemic agents] Paoletti R, et al.
Minerva Med 64:1267-75, 14 Apr 73 (Ita)

PHYSIOLOGY

Humoral control of hemopoiesis. Gordon AS, et al.
Adv Intern Med 18:39-58, 1972 (99 ref.)
Effects of medial preoptic-anterior hypothalamic lesions of mating behavior of male cats. Hart BL, et al.
Brain Res 54:177-91, 17 May 73
Responses of male Mongolian gerbils to male gerbil odors. Baran D.
J Comp Physiol Psychol 84:63-72, Jul 73
Male hormone and thyroid function in the Indian garden lizard, Calotes versicolor. Chandola A, et al.
J Endocrinol 57:325-6, May 73
Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)
A comparison of the aggressive behaviour of isolated intact and castrated male golden hamsters towards intruders introduced into the home cage. Payne AP.
Physiol Behav 10:629-31, Mar 73

SECRETION

Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married premenopausal women. Grattarola R.
Am J Obstet Gynecol 116:423-8, 1 Jun 73
Biochemical and metabolic aspects of alcoholism. Fabre LF Jr, et al. Ann NY Acad Sci 215:346-55, 30 Apr 73
Effects of social rank and social disruption in adult male house mice. McKinney TD, et al.
Gen Comp Endocrinol 20:579-83, Jun 73
[Male gonadal gland] Ochiai K, et al.
Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) (Jap)

LIBRARY U. OF I., URBANA-CHAMPAIGN

GONADS

ANDROGENS

THERAPEUTIC USE

Hormone therapy for malignant myeloma. Kiang DT, et al. **Lancet** 2:147-8, 21 Jul 73

Hypernephroma metastatic to the head and neck. Miyamoto R, et al. **Laryngoscope** 83:898-905, Jun 73

Hypoplastic anemia. Pathophysiology and therapy. Jepson JH. **Med Clin North Am** 57:1079-94, Jul 73 (80 ref.)

Androgens and erythropoiesis. Shahidi NT. **N Engl J Med** 289:72-80, 12 Jul 73 (123 ref.)

The role of androgens and anabolic steroids in the treatment of cancer. Brodsky I. **Semin Drug Treat** 3:15-25, Summer 73

Drug-induced aplastic anemia. Williams DM, et al. **Semin Hematol** 10:195-223, Jul 73 (73 ref.)

[Comparative evaluation of the treatment of dysfunctional uterine hemorrhages based on data from the Armenian Institute of Obstetrics and Gynecology] Melik-Alaverdian NI, et al. **Zh Eksp Klin Med** 12:86-93, 1972 (Arm)

[Therapy of metastatic mammary carcinoma with cyclophosphamide, methotrex ate, vincristine and fluorouracil] De Lena M, et al. **Tumori** 59:11-24, Jan-Feb 73 (Eng. Abstr.) (Ita)

URINE

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al. **Clin Endocrinol (Oxf)** 1:369-85, Oct 72

ANDROSTANES

The steric course with respect to the reduced nicotinamide-adenine dinucleotide of the reduction of 3-oxo steroids catalysed by cortisone reductase. Gibb W, et al. **Eur J Biochem** 34:395-400, Apr 73

Influence of 11-trimethylsilyloxy- or 11-hydroxy-substituents on the electron-impact-induced fragmentation of trimethylsilyl derivatives of some androstanols. Vouros P, et al. **J Chem Soc [Perkin I]** 7:727-32, 1973

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J. **J Endocrinol** 57:437-49, Jun 73

[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al. **Eur J Biochem** 35:311-7, Jun 73 (Eng. Abstr.) (Fre)

[3 Years' clinical experience with pancuronium] Grau Real F. **Rev Esp Anestesiol Reanim** 20:210-4, Apr 73 (Spa)

ADMINISTRATION & DOSAGE

2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer. Fujimori M. **Cancer** 31:789-92, Apr 73

[Antagonism of chlortestosterone acetate in liver steatosis in rats following ethionine] Moretti A, et al. **Arzneim Forsch** 23:612-4, Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Bronchospasm in an asthmatic patient following pancuronium. Heath ML. **Anaesthesia** 28:437-40, Jul 73

Histamine release following pancuronium. A case report. Buckland RW, et al. **Br J Anaesth** 45:518-21, May 73

ANALYSIS

Fluorimetric and chromatographic determination of pancuronium bromide and its metabolites in biological materials. Kersten UW, et al. **Clin Chim Acta** 44:59-66, 28 Feb 73

ANTAGONISTS & INHIBITORS

The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-d-homo-5 -androstane dimethiodide (HS-342) in the anaesthetized cat. Marshall IG, et al. **Eur J Pharmacol** 22:129-34, May 73

BIOSYNTHESIS

In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. **J Steroid Biochem** 4:139-51, Mar 73

BLOOD

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al. **Biol Psychiatry** 6:23-36, Feb 73

ISOLATION & PURIFICATION

[Characterization of a testosterone metabolite in the urine of male guinea pigs: 5 beta-androstane-3 alpha-ol 7-17 dione] Henry R, et al. **C R Acad Sci [D] (Paris)** 275:1427-30, 25 Sep 72 (Fre)

METABOLISM

5 -Reduction of testosterone in vitro by rat seminiferous tubules and whole testes at different stages of development. Matsumoto K, et al. **Endocrinology** 93:253-5, Jul 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al. **J Biol Chem** 248:4987-97, 25 Jul 73

Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Djoseland O, et al. **Steroids** 21:773-83, Jun 73

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al. **Steroids** 21:813-32, Jun 73

[Characterization of a testosterone metabolite in the urine of male guinea pigs: 5 beta-androstane-3 alpha-ol 7-17 dione] Henry R, et al. **C R Acad Sci [D] (Paris)** 275:1427-30, 25 Sep 72 (Fre)

PHARMACODYNAMICS

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al. **Acta Endocrinol (Kbh)** 73:146-70, May 73

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Vogimayr JK, et al. **Acta Endocrinol (Kbh)** 73:196-208, May 73

The effect of renal failure and hyperkalemia on the duration of pancuronium neuromuscular blockade in man. Miller RD, et al. **Anesth Analg (Cleve)** 52:661-6, Jul-Aug 73

Clinical study of pancuronium as muscle relaxant in anesthesia. Park WY, et al. **Anesth Analg (Cleve)** 52:502-7, Jul-Aug 73

Cardiovascular effects of pancuronium. Brown EM, et al. **Anesthesiology** 38:597-9, Jun 73

Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: comparison of four naturally occurring androgens. Luttge WG, et al. **Behav Biol** 8:725-32, Jun 73

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT. **Biochemistry** 12:2221-30, 5 Jun 73

Some non-hormonal properties of 17 -hydroxy-17 -methyl-5 -androstano(2,3-c)furazan (furazabol). Onodera T, et al. **Chem Pharm Bull (Tokyo)** 21:21-4, Jan 73

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al. **Endocrinology** 92:1625-8, Jun 73

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD. **Endocrinology** 93:172-81, Jul 73

The effects of three short-acting neuromuscular blocking agents on fast- and slow-contracting muscles of the cat. Marshall IG. **Eur J Pharmacol** 21:299-304, Mar 73

The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-d-homo-5 -androstane dimethiodide (HS-342) in the anaesthetized cat. Marshall IG, et al. **Eur J Pharmacol** 22:129-34, May 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. **J Biol Chem** 248:4280-5, 25 Jun 73

Role of testosterone in normal female function. Ohno S, et al. **Nature [New Biol]** 243:119-20, 23 May 73

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids** 21:703-22, May 73

[Antagonism of chlortestosterone acetate in liver steatosis in rats following ethionine] Moretti A, et al. Arzneim Forsch 23:612-4, Apr 73 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

Remote oxidation of steroids by photolysis of attached benzophenone groups. Breslow R, et al. J Am Chem Soc 95:3251-62, 16 May 73

THERAPEUTIC USE

2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer. Fujimori M. Cancer 31:789-92, Apr 73

Some non-hormonal properties of 17 -hydroxy-17 -methyl-5 -androstano(2,3-c)furazan (furazabol). Onodera T, et al. Chem Pharm Bull (Tokyo) 21:21-4, Jan 73

URINE

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW. Clin Chem 19:706-9, Jul 73

Gas chromatographic determination of urinary excretion of testosterone, epitestosterone, and androstenedione in pre-adolescent and adolescent children. Dalzell DP, et al. J Clin Endocrinol Metab 36:1237-43, Jun 73

Some effects of thyroid disease on neutral steroid metabolism. Beale RN, et al. J Endocrinol 57:317-24, May 73

[Characterization of a testosterone metabolite in the urine of male guinea pigs: 5 beta-androstane-3 alpha-ol 7-17 dione] Henry R, et al. C R Acad Sci [D] (Paris) 275:1427-30, 25 Sep 72 (Fre)

[Hormonal determination of human androgenicity. Value of urinary determination of androstanediol and testosterone] Mauvais-Jarvis P, et al. Nouv Presse Med 2:1565-9, 9 Jun 73 (Fre)

ANDROSTENES

Affinity labeling of the active sites of delta 5 -ketosteroid isomerase using photoexcited natural ligands. Martyr RJ, et al. Biochemistry 12:2172-8, 22 May 73

ADMINISTRATION & DOSAGE

Estrogen formation by the isolated perfused rhesus monkey brain. Flores F, et al. Science 180:1074-5, 8 Jun 73

BIOSYNTHESIS

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. J Steroid Biochem 4:217-26, Mar 73

BLOOD

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al. J Clin Endocrinol Metab 37:129-34, Jul 73

[Current data on plasmatic androgens] Mahoudeau JA, et al. Rev Prat 23:881-91, 21 Feb 73 (Fre)

ISOLATION & PURIFICATION

The metabolism in vivo 4,16-androstadien-3-one in man. Occurrence of 16-dehydro C 19 steroids, androstane-3,16,17-triols and other metabolites in urine. Brooksbank BW, et al. Steroids Lipids Res 3:263-85, 1972

METABOLISM

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. Biol Reprod 8:395-9, May 73

Relationship between R m values and protein binding of corticosteroids and androgens. Gandolfi O, et al. Experientia 29:689, 15 Jun 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al. J Biol Chem 248:4987-97, 25 Jul 73

Estrogen formation by the isolated perfused rhesus monkey brain. Flores F, et al. Science 180:1074-5, 8 Jun 73

The metabolism in vivo 4,16-androstadien-3-one in man. Occurrence of 16-dehydro C 19 steroids, androstane-3,16,17-triols and other metabolites in urine. Brooksbank BW, et al. Steroids Lipids Res 3:263-85, 1972

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al. Steroids 21:813-32, Jun 73

[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al. Eur J Biochem 35:311-7, Jun 73 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Voglmayr JK, et al. Acta Endocrinol (Kbh) 73:196-208, May 73

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT. Biochemistry 12:2221-30, 5 Jun 73

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD. Endocrinology 93:172-81, Jul 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. J Biol Chem 248:4280-5, 25 Jun 73

Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. Proc Soc Exp Biol Med 143:422-6, Jun 73

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. Steroids 21:703-22, May 73

RADIATION EFFECTS

Photochemistry of 9,10-dimethyl- 1,3 -hexalins and related steroids. The role of ground-state conformations in accordant processes. Dauben WG, et al. J Am Chem Soc 95:3932-41, 13 Jun 73

URINE

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. Clin Chim Acta 45:9-18, 19 Apr 73

The metabolism in vivo 4,16-androstadien-3-one in man. Occurrence of 16-dehydro C 19 steroids, androstane-3,16,17-triols and other metabolites in urine. Brooksbank BW, et al. Steroids Lipids Res 3:263-85, 1972

CHLORMADINONE

ADMINISTRATION & DOSAGE

Changes in water and electrolytes in human cervical mucus during treatment with chlormadinone acetate. Kosasky HJ, et al. Fertil Steril 24:507-11, Jul 73

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al. J Anim Sci 36:1129-36, Jun 73

[Temporary sterilization of heifers with gestagens. II] Arbeiter K, et al. Wien Tieraerztl Monatsschr 60:124-7, Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al. Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Changes in water and electrolytes in human cervical mucus during treatment with chlormadinone acetate. Kosasky HJ, et al. Fertil Steril 24:507-11, Jul 73

LIBRARY UL OF L. URBANA-CHAMPAIGN

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al.
J Anim Sci 36:1129-36, Jun 73

Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73

[Effect of hormone-induced prolongation of pregnancy on the placenta and fetuses in rabbits] Willgerodt H, et al.
Acta Biol Med Ger 30:57-67, 1973 (Eng. Abstr.) (Ger)

[Effect of estrogen-gestagen drug combinations on carbohydrate and lipid metabolism. I. Effect of Ovosiston] Göretzlehner G, et al.
Zentralbl Gynaekol 95:529-36, 20 Apr 73 (Ger)

CHLOROTRIANISENE

PHARMACODYNAMICS

In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. **Can J Biochem 51:735-40, Jun 73**

Reticuloendothelial stimulation and depression: effects on conditioned suppression. Park LI, et al.
J Reticuloendothel Soc 12:629-39, Dec 72

CLOMIPHENE

Serum estradiol and LH during normal and induced menstrual cycles. Gitsch E, et al.
Endocrinol Exp (Bratisl) 7:53-8, 1973

ADMINISTRATION & DOSAGE

Effect of quinestrol administered with clomiphene citrate on serum follicle-stimulating hormone and luteinizing hormone and on other clinical findings. Seki M, et al. **Am J Obstet Gynecol 116:388-96, 1 Jun 73**

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al.
Poult Sci 52:712-8, Mar 73

[Treatment of anovulatory sterility. 3. Preliminary results with the use of Cisclomiphen] Zárate A, et al.
Ginecol Obstet Mex 33:499-503, May 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

Anencephaly and ovulation stimulation. Dyson JL, et al.
Lancet 1:1256-7, 2 Jun 73

DIAGNOSTIC USE

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

METABOLISM

[Estradiol binding in normal and neoplastic tissue] Pasko Z, et al.
Nowotwory 23:15-24, Jan-Jun 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Effect of quinestrol administered with clomiphene citrate on serum follicle-stimulating hormone and luteinizing hormone and on other clinical findings. Seki M, et al. **Am J Obstet Gynecol 116:388-96, 1 Jun 73**

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec 176:331-44, Jul 73**

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

Variations of luteinizing hormone (LH) and blood platelets levels and preovulatory changes in vagina and cervix during the ovulatory cycle. Altmann P, et al. **Endocrinol Exp (Bratisl) 7:137-40, 1973**

Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W.
Ergeb Physiol 67:69-168, 1972 (344 ref.)

Human sperm capacitation and in vitro fertilization. Soupart P, et al. **Fertil Steril 24:462-78, Jun 73**

An extended study on the use of clomiphene citrate for the induction of ovulation. Pennington GW, et al.
Ir J Med Sci 142:141-6, May 73

Anencephaly and ovulation stimulation. Dyson JL, et al.
Lancet 1:1256-7, 2 Jun 73

The effect of clomiphene citrate in chickens. 2. Gonadotropic activity. McGinnis CH Jr, et al.
Poult Sci 52:712-8, Mar 73

[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)

[Radioimmunologic serum LH determination for the timing of ovulation] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:297-302, Apr 73 (Eng. Abstr.) (Ger)

[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73

Effect of quinestrol administered with clomiphene citrate on serum follicle-stimulating hormone and luteinizing hormone and on other clinical findings. Seki M, et al. **Am J Obstet Gynecol 116:388-96, 1 Jun 73**

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Klačanský T.
Endocrinol Exp (Bratisl) 7:75-9, 1973

Human sperm capacitation and in vitro fertilization. Soupart P, et al. **Fertil Steril 24:462-78, Jun 73**

An extended study on the use of clomiphene citrate for the induction of ovulation. Pennington GW, et al.
Ir J Med Sci 142:141-6, May 73

Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S.
Obstet Gynecol 41:809-17, Jun 73

Investigation and treatment of the infertile male. Halim A, et al. **Proc R Soc Med 66:373-8, Apr 73**

[Changes in STH and LH blood level in the galactorrhea syndrome] Harell A, et al.
Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Radioimmunologic serum LH determination for the timing of ovulation] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:297-302, Apr 73 (Eng. Abstr.) (Ger)

[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Eng. Abstr.) (Ger)

[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)

[Treatment of anovulatory sterility. 3. Preliminary results with the use of Cisclomiphen] Zárate A, et al.
Ginecol Obstet Mex 33:499-503, May 73 (Eng. Abstr.) (Spa)

CONTRACEPTIVES, ORAL

Continuation and pregnancy rates with four contraceptive methods. Hall RE.
Am J Obstet Gynecol 116:671-81, 1 Jul 73

Some implications of self-selection for pregnancy. Billewicz WZ. **Br J Prev Soc Med 27:49-52, Feb 73**

Prospective study of women using different methods of contraception. Vessey MP, et al.
Br J Prev Soc Med 27:71, Feb 73

Copper absorption from I.U.C.D.s. Elstein M, et al.
Br Med J 2:776, 30 Jun 73

Abortion Act in Somerset. Jones AP, et al.
Br Med J 3:90-2, 14 Jul 73

Studies on pregnancy-associated globulin. Horne CH, et al. **Clin Exp Immunol 13:603-11, Apr 73**

Antifertility activity of an indigenous plant preparation (ROC-101). 3. Effect on ultrastructure of the rat uterine luminal epithelium. Munshi SR, et al.
Indian J Med Res 60:1791-3, Dec 72

Acceptability and use-effectiveness of an oral contraceptive in a rural area. Verma V, et al.
Indian J Med Res 60:1242-50, Aug 72

Trial of a sequential oral contraceptive (serial 28) in a rural area. Bagchi SC.
Indian J Public Health 16:171-6, Oct 72
Alkaloid studies. 8. Isolation and characterization of alkaloids of Tabernaemontana heyneana Wall and antifertility properties of coronaridine. Meyer WE, et al. **J Pharm Sci 62:1199-201, Jul 73**
A three to four year follow-up study of the intrauterine device in Ceylon. Visuvaratnam T.
J Trop Med Hyg 76:115-8, May 73
Pre-pregnancy oral contraceptives and respiratory-distress syndrome. Crawford JS.
Lancet 1:858-60, 21 Apr 73
Non-medical distribution of oral contraceptives. Potts DM. **Lancet 2:159, 21 Jul 73**
Not too little, not too much. **Lancet 1:1227, 2 Jun 73**
Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)
The pill. Swyer GI. **Nurs Mirror 136:10-1, 25 May 73**
Studies in family planning. 8. Thailand. Alers JO, et al. **Stud Fam Plann 4:124-7, May 73**
Studies in family planning. 3. Korea (South). Chang KS. **Stud Fam Plann 4:107-11, May 73**
Studies in family planning. 5. Philippines. Concepción MB. **Stud Fam Plann 4:114-7, May 73**
Studies in family planning. 6. Singapore. Kee WF, et al. **Stud Fam Plann 4:117-8, May 73**
Person-to-person communication in Thailand. Rosenfield AG, et al. **Stud Fam Plann 4:145-9, Jun 73**
Studies in family planning. 2. Indonesia. Surjaningrat S, et al. **Stud Fam Plann 4:103-6, May 73**
Family planning program in India: an evaluation. Treadway RC, et al. **Stud Fam Plann 4:149-56, Jun 73**
Studies in family planning. 9. Vietnam (South). Truong-Minh-Cac. **Stud Fam Plann 4:127-9, May 73**
Studies in family planning. 7. Taiwan. Yen CH, et al. **Stud Fam Plann 4:118-23, May 73**
[Gonadotropic effect of Sulpiride: initiation to a new contraceptive method] Gasnault JP, et al.
Lille Med 18:76-80, Jun 73 (Fre)
[Pregnancy and contraception in the adolescent] Rey-Stocker I.
Schweiz Med Wochenschr 103:1008-12, 14 Jul 72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Am J Obstet Gynecol 116:551-6, 15 Jun 73
Effect of oral contraceptives on the cotton pellet-induced granuloma in rats. Razdan MK, et al.
J Indian Med Assoc 60:3-4, 1 Jan 73
Oral contraception. Eichner E.
Med Trial Tech Q 19:361-6, Spring 73
[Hormonal contraception] Lédr J.
Cesk Gynekol 38:372, Jun 73 (Cze)
[Vascular disorders and synthetic estroprogestatives] Servelle M, et al.
Phlebologie 25:259-61, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Activity of the serum enzymes SGOT, SGPT, LDH and LAP in normal control subjects, during administration of oral contraceptives and in normal pregnancy] Hähn N, et al.
Zentralbl Gynaekol 95:546-51, 20 Apr 73 (Ger)

ADVERSE EFFECTS

Resolution of an obstructive coronary lesion as demonstrated by selective angiography in a patient with transmural myocardial infarction. Henderson RR, et al. **Am J Cardiol 31:785-8, Jun 73**
Outcome of pregnancies following a spontaneous abortion with chromosomal anomalies. Boué JG, et al.
Am J Obstet Gynecol 116:806-12, 15 Jul 73
Continuation and pregnancy rates with four contraceptive methods. Hall RE.
Am J Obstet Gynecol 116:671-81, 1 Jul 73
Hypermenorrhea in the young hemodialysis patient. Rice GG. **Am J Obstet Gynecol 116:539-43, 15 Jun 73**
Platelet function tests in disease. Tschopp TB, et al.
Annu Rev Med 24:1-18, 1973 (214 ref.)
Contraceptive conundrum. II. Hypertension. Catalano PM. **Arch Dermatol 107:910-1, Jun 73**
Cerebral arterial occlusive disease with telangiectasia associated with oral contraceptives. Okawara SH, et al. **Arch Neurol 29:60-2, Jul 73**
Intracranial venous thrombosis complicating oral contraception: treatment by anticoagulant drugs. Fairburn B. **Br Med J 2:647, 16 Jun 73**
Side effects of the pill. Hall DM, et al.
Br Med J 3:105, 14 Jul 73
Reluctant expert witnesses. **Br Med J 1:183-4, 20 Jan 73**
Hair loss and contraceptives.
Br Med J 2:499-500, 2 Jun 73
Cellular effect of contraceptive medication.
Can J Med Technol 35:11-4, Jan-Feb 73
Acceptability and use-effectiveness of an oral contraceptive in a rural area. Verma V, et al.
Indian J Med Res 60:1242-50, Aug 72
Trial of a sequential oral contraceptive (serial 28) in a rural area. Bagchi SC.
Indian J Public Health 16:171-6, Oct 72
The pill and the extremities. Genovese VH.
J Am Podiatry Assoc 63:390-1, Aug 73
Effect of oral contraceptives on the cotton pellet-induced granuloma in rats. Razdan MK, et al.
J Indian Med Assoc 60:3-4, 1 Jan 73
Heparin: help or hindrance? A commentary and review. Broders AC 3d, et al. **J Reprod Med 10:269-71, Jun 73**
Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. **Lancet 1:899-904, 28 Apr 73**
Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. **Lancet 1:1218-9, 2 Jun 73**
Haemolytic uraemic syndrome in women taking oral contraceptives. Brown CB, et al.
Lancet 1:1479-81, 30 Jun 73
Pyridoxine and depression associated with oral contraception. Davis RE, et al. **Lancet 1:1245, 2 Jun 73**
Hormones and limb-reduction deformities. Janerich DT, et al. **Lancet 2:96-7, 14 Jul 73**
Birth defects and oral contraceptives. Kaufman RL.
Lancet 1:1396, 16 Jun 73
Birth defects and oral contraceptives. Nora JJ, et al.
Lancet 1:941-2, 28 Apr 73
Norethindrone--the "minipill".
Med Lett Drugs Ther 15:45-6, 25 May 73
Oral contraception. Eichner E.
Med Trial Tech Q 19:361-6, Spring 73
Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)
Contraceptives and stroke. Zimmerman M.
N Engl J Med 289:219, 26 Jul 73
Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S.
Obstet Gynecol 41:809-17, Jun 73
Psychiatric complications of everyday drugs. Pare CM.
Practitioner 210:120-6, Jan 73
Drug-induced megaloblastic anemias. Stebbins R, et al.
Semin Hematol 10:235-51, Jul 73 (147 ref.)
Multiple profressive intracranial arterial occlusions. Mastri AR, et al. **Stroke 4:380-6, May-Jun 73**
Studies in family planning. 8. Thailand. Alers JO, et al.
Stud Fam Plann 4:124-7, May 73
[Personal experiences with Minitrol] Houdek J, et al.
Cesk Gynekol 38:236-7, May 73 (Cze)
[Cholestatic icterus due to oral contraceptives] Pestel M, et al.
Ann Med Interne (Paris) 124:207-9, Mar 73 (Fre)
[Crystalline lens (1969-1970-1971)] Bronner A, et al.
Arch Ophtalmol (Paris) 32:665-86, Oct 72 (170 ref.) (Fre)
[Late cutaneous porphyria revealed by estrogen administration. Therapeutic effect of A.M.P] Gajdos A, et al.
Nouv Presse Med 2:1131-3, 28 Apr 73 (Eng. Abstr.) (Fre)
[A case of axillo-subclavian phlebitis after taking oral contraceptives] Bourde C, et al.
Phlebologie 25:263-5, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Vascular and gynecological consequences of estroprogestatives] Chabrier J, et al.
Phlebologie 25:251-4, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Prevention of vascular disorders during administration of estroprogestative contraceptives with a medication containing extracts of Ginkgo biloba] Grasset J, et al.
Phlebologie 25:269-72, Jul-Sep 72 (Fre)
[Results of an enquiry into synthetic estroprogestatives and their effects on veins] Molen HR van der, et al.
Phlebologie 25:237-42, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Synthetic estroprogestatives and phlebology. Introduction] Muller P.
Phlebologie 25:223-6, Jul-Sep 72 (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

[Venous complications caused by estroprogestative treatment at the Strasbourg University Maternity Hospital] Muller P, et al.
Phlebologie 25:256-7, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Synthetic estroprogestatives and circulatory disorders] Reinharez D.
Phlebologie 25:243-50, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Vascular disorders and synthetic estroprogestatives] Servelle M, et al.
Phlebologie 25:259-61, Jul-Sep 72 (Eng. Abstr.) (Fre)

[The outcome of an enquiry into synthetic estroprogestatives and their effects on venous circulation] Wallois P, et al.
Phlebologie 25:227-35, Jul-Sep 72 (Eng. Abstr.) (Fre)

["And for fear that they bring forth, they became blind and dumb" or in parabol form: "O.N.O. accidents due to oral contraceptives"] Billé J, et al.
Rev Otoneuroophtalmol 44:323-6, May-Jun 72 (Fre)

[2 anatomo-clinical cases of fatal sub-acute recurrent pulmonary embolisms in young women. Discussion of the role of estroprogestative drugs] Brune J, et al.
Rev Tuberc Pneumol (Paris) 36:934-43, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Drug-induced pulmonary vascular accidents] Touraine R, et al.
Rev Tuberc Pneumol (Paris) 36:821-39, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Pulmonary embolectomy using extracorporeal circulation] Schramm G, et al.
Chirurg 44:200-7, May 73 (Ger)

[Driving fitness and oral contraceptives] Humke W.
Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)

[Mental alterations as side-effects of oral contraceptives] Payk TR.
Fortschr Neurol Psychiatr 41:225-35, Apr 72 (Eng. Abstr.) (Ger)

[1st results of the study on the psychological, gynecological and endocrinologic relationships in secondary amenorrhea] Frick V, et al.
Med Welt 23:1934-6, 16 Dec 72 (Ger)

[Pseudotumor cerebri. Benign increase of intracranial pressure] Benini A.
Schweiz Med Wochenschr 103:921-6 contd, 30 Jun 73 (Eng. Abstr.) (Ger)

[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

[Current problems in the diagnosis of mycoses] Seeliger HP.
Zentralbl Bakteriol [Orig A] 220:174-85, May 72 (Ger)

[Cervical hematoma following carotid angiography during treatment with streptase] Basch A, et al.
Zentralbl Chir 97:1765-8, 9 Dec 72 (Ger)

[Porphyria with neuropsychiatric manifestations and contraceptive agents] Costantinidis A, et al.
Minerva Ginecol 25:192-5, Apr 73 (Eng. Abstr.) (Ita)

ANALYSIS

Essential metals in oral contraceptive tablets. Dawson EB, et al. **Am J Obstet Gynecol 116:412-4, 1 Jun 73**

BLOOD

[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

CLASSIFICATION

Oral contraception. Eichner E.
Med Trial Tech Q 19:361-6, Spring 73

[Hormonal contraception] Lédr J.
Cesk Gynekol 38:372, Jun 73 (Cze)

METABOLISM

Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)

PHARMACODYNAMICS

The influence of oral contraceptive steroids on serum lipids. De Alvarez RR, et al.
Am J Obstet Gynecol 116:727-49, 1 Jul 73

Spirometry and oral contraceptives. Freedman SH, et al. **Am J Obstet Gynecol 116:682-8, 1 Jul 73**

Effects of a progestational oral contraceptive on lipids and lipases. Glueck CJ, et al.
Am J Obstet Gynecol 116:689-93, 1 Jul 73

Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73

Metabolic effects of oral contraceptives. Briggs MH, et al. **Br Med J 2:776, 30 Jun 73**

Diurnal variation on oral glucose tolerance: insulin and growth hormone changes with special reference to women taking oral contraceptives. Oakley NW, et al.
Diabetologia 9:235-8, Jun 73

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73

Human sperm capacitation and in vitro fertilization. Soupart P, et al. **Fertil Steril 24:462-78, Jun 73**

Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73

Drugs and agents used in fertility control-pharmacological approach. Gupta SS.
Indian J Physiol Pharmacol 16:289-94, Oct-Dec 72 (33 ref.)

Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. **J Clin Endocrinol Metab 37:110-7, Jul 73**

Effect of oral contraceptives on the cotton pellet-induced granuloma in rats. Razdan MK, et al.
J Indian Med Assoc 60:3-4, 1 Jan 73

Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. **Lancet 1:1218-9, 2 Jun 73**

Antithrombin 3 and oestrogen content of oral contraceptives. Howie PW, et al.
Lancet 1:1455, 23 Jun 73

Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)

[Personal experiences with Minitrol] Houdek J, et al.
Cesk Gynekol 38:236-7, May 73 (Cze)

[Personal experiences with Anacyclin] Vrobel T, et al.
Cesk Gynekol 38:234-5, May 73 (Cze)

[Effect of hormone-induced prolongation of pregnancy on the placenta and fetuses in rabbits] Willgerodt H, et al.
Acta Biol Med Ger 30:57-67, 1973 (Eng. Abstr.) (Ger)

[Oral contraceptives in excessive longitudinal growth] Kepp R.
Dtsch Med Wochenschr 98:1047, 18 May 73 (Ger)

[Oral contraception--what is it precisely?] Bartsch W.
Krankenpflege 27:239-40, Jun 73 (Ger)

[Effects of partial components of a contraceptive agent on the function of the menstrual cycle] Schneider W, et al. **Med Klin 68:510-5, 20 Apr 73 (Eng. Abstr.) (Ger)**

[Effects of a contraceptive agent on the function of the peripheral and central menstrual cycle] Spona J, et al.
Med Klin 68:505-9, 20 Apr 73 (Eng. Abstr.) (Ger)

[Effect of endogenous and exogenous factors on skin surface lipids] Gloor M, et al.
Z Haut Geschlechtskr 48:413-8, Jun 73 (44 ref.) (Eng. Abstr.) (Ger)

STANDARDS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

SUPPLY & DISTRIBUTION

The sociology of population control. Peel J, et al.
Soc Sci Med 7:179-90, Mar 73

THERAPEUTIC USE

Hypermenorrhea in the young hemodialysis patient. Rice GG. **Am J Obstet Gynecol 116:539-43, 15 Jun 73**

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Am J Obstet Gynecol 116:551-6, 15 Jun 73

[Hair-growth disorders in relation to pregnancy and

hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

CONTRACEPTIVES, POSTCOITAL

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Choice of ethinyl estradiol as a postcoital pill. Lehfeldt H. Am J Obstet Gynecol 116:892-3, 15 Jul 73
Oral contraception. Eichner E.
Med Trial Tech Q 19:361-6, Spring 73
[Pregnancy and contraception in the adolescent] Rey-Stocker I.
Schweiz Med Wochenschr 103:1008-12, 14 Jul 72 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73

PHARMACODYNAMICS

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Drugs and agents used in fertility control-pharmacological approach. Gupta SS.
Indian J Physiol Pharmacol 16:289-94, Oct-Dec 72 (33 ref.)
Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73
[Oral contraception--what is it precisely?] Bartsch W.
Krankenpflege 27:239-40, Jun 73 (Ger)

CORPUS LUTEUM HORMONES

BIOSYNTHESIS

[Luteinic insufficiency] Dráč P.
Cesk Gynekol 38:217-20, May 73 (Eng. Abstr.) (Cze)

CYPROTERONE

ADMINISTRATION & DOSAGE

Cyproterone acetate in the treatment of advanced carcinoma of the prostate. Smith RB, et al.
J Urol 110:106-8, Jul 73
[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)

METABOLISM

Intranuclear receptor for androgens in rat epididymis. Blaquier JA, et al. Endocrinology 93:51-60, Jul 73

PHARMACODYNAMICS

Mesenchymal response of the blood vessel wall. A potential avenue for understanding and treating atherosclerosis. Wolinsky H.
Circ Res 32:543-9, May 73 (71 ref.)
Effect of hypophysectomy and cyproterone acetate on the liver ultrastructure as well as on hexobarbital anesthesia and zoxazolamine paralysis in rats. Szabo S, et al. Horm Metab Res 5:109-13, Mar 73
Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction. Wensing CJ.
Proc K Ned Akad Wet [Biol Med] 76:196-202, 1973
Effects of dieldrin on 5 -dihydrotestosterone binding in the cytosol and nucleus of the rat ventral prostate. Wakeling AE, et al.
Toxicol Appl Pharmacol 25:267-75, Jun 73
[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)
[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Effect of oral cyproterone acetate on urinary FSH and LH levels in adult males being treated for hypersexuality. Brotherton J, et al.
J Reprod Fertil 33:256-7, May 73
Cyproterone acetate in the treatment of advanced carcinoma of the prostate. Smith RB, et al.
J Urol 110:106-8, Jul 73
[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Changes in the human testis during anti-androgen treatment: histological, morphological and enzyme-histochemical investigations on testicular biopsies] Städtler F, et al.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Eng. Abstr.) (Ger)
[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

DIETHYLSTILBESTROL

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Kotoh K, et al.
Cancer Res 33:1247-52, Jun 73
The response of the stilbestrol-induced renal tumor to chemotherapeutic agents. DeKernion JB, et al.
J Surg Oncol 5:53-8, 1973

ADMINISTRATION & DOSAGE

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Clear cell carcinoma of the cervix and vagina in young women. A report of six cases with association of maternal stilbestrol therapy and adenosis of the vagina. Hill EC.
Am J Obstet Gynecol 116:470-84, 15 Jun 73
Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al.
Arch Phys Med Rehabil 54:248-53, Jun 73
Metabolic effects of oestrogen treatment in patients with carcinoma of prostate: a comparison of stilboestrol and conjugated equine oestrogens. Shahmanesh M, et al. Br Med J 2:512-4, 2 Jun 73
Oestrogen treatment in carcinoma of the prostate. Shearer RJ, et al. Br Med J 3:51, 7 Jul 73
Effect of oestrogen administration on the corpora lutea of albino rats. Nagrani P, et al.
Indian J Med Res 60:1779-84, Dec 72
Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73

ADVERSE EFFECTS

Pseudopolyp of uterine cervix. Evrard JR.
Am J Obstet Gynecol 116:590, 15 Jun 73
Clear cell carcinoma of the cervix and vagina in young women. A report of six cases with association of

LIBRARY U. OF I., URBANA-CHAMPAIGN

maternal stilbestrol therapy and adenosis of the vagina. Hill EC.
Am J Obstet Gynecol 116:470-84, 15 Jun 73
Pseudopolyp of uterine cervix. Perkins RP.
Am J Obstet Gynecol 116:590-1, 15 Jun 73
Effect of diethylstilbestrol on blood glucose of prostatic cancer patients. Sotaniemi EA, et al.
Ann Chir Gynaecol Fenn 62:82-6, 1973
Aortic atherosclerosis of turkeys induced by a single treatment with diethylstilbestrol. Simpson CF, et al.
Atherosclerosis 17:245-55, Mar-Apr 73
Clear-cell adenocarcinoma of the vagina in a girl whose mother had taken diethylstilbestrol. Williams RR, et al. Calif Med 118:53-5, Jun 73
Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73

ANALYSIS

Semiautomated method for determining diethylstilbestrol in low dosage tablet formulations. Hussey RL, et al. J Pharm Sci 62:1171-3, Jul 73

METABOLISM

Estrogen-binding to pancreas. Kirdani RY, et al.
Surgery 74:84-90, Jul 73

PHARMACODYNAMICS

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al.
Arch Phys Med Rehabil 54:248-53, Jun 73
Effects of sex hormones on cognitive style in rats and men. Dawson JL. Behav Genet 2:21-42, Mar 72
In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. Can J Biochem 51:735-40, Jun 73
Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Kotoh K, et al.
Cancer Res 33:1247-52, Jun 73
Suppression of the avian reticuloendothelial system and enhancement of a Plasmodium lophurae infection in diethylstilbestrol treated chickens. Loose LD, et al.
Comp Biochem Physiol [A] 45:587-93, 1 Jun 73
Effect of oestrogen administration on the corpora lutea of albino rats. Nagrani P, et al.
Indian J Med Res 60:1779-84, Dec 72
Transport of monosaccharides. I. Asymmetry in the human erythrocyte mechanism. Batt ER, et al.
J Clin Invest 22:1686-97, Jul 73
The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al.
J Endocrinol 57:207-15, May 73
Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:457-67, Jun 73
Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar. Joshi HS, et al. J Reprod Fertil 33:411-23, Jun 73
The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al.
J Reprod Fertil 33:441-50, Jun 73
RES stimulation and transfer of protection against shock. Reichard SM.
J Reticuloendothel Soc 12:604-17, Dec 72
Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73
Hormonal factors controlling the development of sexual behavior in the male golden hamster. Coniglio LP, et al. Physiol Behav 10:1087-94, Jun 73

THERAPEUTIC USE

Pseudopolyp of uterine cervix. Evrard JR.
Am J Obstet Gynecol 116:590, 15 Jun 73
Clear cell carcinoma of the cervix and vagina in young women. A report of six cases with association of maternal stilbestrol therapy and adenosis of the vagina. Hill EC.
Am J Obstet Gynecol 116:470-84, 15 Jun 73
Pseudopolyp of uterine cervix. Perkins RP.
Am J Obstet Gynecol 116:590-1, 15 Jun 73
Effect of diethylstilbestrol on blood glucose of prostatic cancer patients. Sotaniemi EA, et al.
Ann Chir Gynaecol Fenn 62:82-6, 1973
Human growth hormone and estrogens in boys with Duchenne muscular dystrophy. Chyatte SB, et al.
Arch Phys Med Rehabil 54:248-53, Jun 73
Treatment of muscular dystrophy. Fowler WM Jr.
Arch Phys Med Rehabil 54:281-3, Jun 73
Metabolic effects of oestrogen treatment in patients with carcinoma of prostate: a comparison of stilboestrol and conjugated equine oestrogens. Shahmanesh M, et al. Br Med J 2:512-4, 2 Jun 73
Oestrogen treatment in carcinoma of the prostate.
Shearer RJ, et al. Br Med J 3:51, 7 Jul 73
Studies on pregnancy-associated globulin. Horne CH, et al. Clin Exp Immunol 13:603-11, Apr 73

ESTRADIOL

Influence of natural and synthetic estrogens on the course of autoimmune disease in the NZB-NZW mouse. Walker SE, et al.
Arthritis Rheum 16:231-9, Mar-Apr 73
Estrogen receptors in the rat uterus. Relationship between cytoplasmic and nuclear forms of the estrogen binding protein. Stancel GM, et al.
Biochemistry 12:2137-41, 22 May 73
Estrogen receptors in the rat uterus. Multiple forms produced by concentration-dependent aggregation. Stancel GM, et al. Biochemistry 12:2130-6, 22 May 73
The action of a human uterine protease on the estrogen receptor. Notides AC, et al.
Endocrinology 93:210-6, Jul 73
Studies on 17 -hydroxysteroid dehydrogenase in immature mouse ovarian tissue. Lerner N, et al.
J Steroid Biochem 4:193-203, Mar 73
Synthesis of specific phenazine derivatives of 2-hydroxyestrogens. Gelbke HP, et al.
Steroids 21:689-702, May 73
Comparative specificity of antisera raised against estrone, estradiol-17 and estriol using 6-0-carboxy-methyloxime bovine serum albumin derivatives. Wright K, et al. Steroids 21:755-69, May 73

ADMINISTRATION & DOSAGE

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al.
Acta Endocrinol (Kbh) 73:11-21, May 73
The effects of luteinizing hormone, oestrogen and ovariectomy on the agonistic behaviour of female Quelea quelea. Lazarus J, et al.
Anim Behav 21:49-60, Feb 73
Ram-seeking activity associated with oestrous behaviour in ewes. Lindsay DR, et al.
Anim Behav 20:452-6, Aug 72
The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al.
Anim Behav 20:782-7, Nov 72
Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al.
Anim Behav 20:732-40, Nov 72
Some hormones involved in the nesting behaviour of hens. Wood-Gush DG, et al.
Anim Behav 21:98-103, Feb 73
Estrogen-induced phosphoprotein synthesis in roosters. Kinetics of induction. Bergink EW, et al.
Biochim Biophys Acta 294:497-506, 4 Feb 73
Endocrine control of gland proliferation in the mouse uterus. Finn CA, et al. Biol Reprod 8:585-8, Jun 73
Effect of herpesvirus type 2 and hormonal imbalance on the uterine cervix of the mouse. Muñoz N.
Cancer Res 33:1504-8, Jun 73
Induced LH surges in the rhesus monkey: strength-duration characteristics of the estrogen stimulus. Karsch FJ, et al.
Endocrinology 92:1740-7, Jun 73
Effect of estrogen on behavior of ovariectomized ring doves (Streptopelia risoria). Cheng M.
J Comp Physiol Psychol 83:234-9, May 73
Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al.
J Dairy Sci 56:738-43, Jun 73
Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT)

activity. Nagle CA, et al.
Life Sci [II] 11:1109-16, 22 Nov 72
Estradiol induced suppression of feeding in the female rat: dependence on body weight. Redick JH, et al.
Physiol Behav 10:543-7, Mar 73
Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. Science 179:484-6, 2 Feb 73
Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al.
Steroids Lipids Res 3:299-314, 1972
[Abnormal bleeding in trichomonas vaginalis] Grase EU.
Dtsch Med Wochenschr 98:375-9, 23 Feb 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)

ANALYSIS

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. Biol Reprod 8:435-40, May 73
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. Horm Metab Res 5:101-5, Mar 73
Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. Reyes FI, et al.
J Clin Endocrinol Metab 37:74-8, Jul 73
Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73

ANTAGONISTS & INHIBITORS

[Action of estroprogestative agents in the quail (Coturnix-Coturnix)] Laugier C, et al.
J Physiol (Paris) 65:Suppl 3:437A, 1972 (Fre)

BIOSYNTHESIS

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73
The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73
Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. J Endocrinol 57:451-7, Jun 73
Estrogen formation by the isolated perfused rhesus monkey brain. Flores F, et al.
Science 180:1074-5, 8 Jun 73
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

BLOOD

Evaluation of the prognosis of threatened abortion from the peripheral plasma levels of progesterone, estradiol, and human chorionic gonadotropin. Nygren KG, et al. Am J Obstet Gynecol 116:916-22, 1 Aug 73
Radioimmunoassay of serum estrogen. Jiang NS, et al.
Clin Chem 19:740-7, Jul 73
Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al.
Clin Chem 19:718-24, Jul 73
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Competitive protein binding method using an amphibian sex binding protein. Measurement of estradiol-17 in Pleurodeles waltlii Michah. plasma. Marot J, et al.
Comp Biochem Physiol [B] 44:1103-11, 15 Apr 73
Serum estradiol and LH during normal and induced menstrual cycles. Gitsch E, et al.
Endocrinol Exp (Bratisl) 7:53-8, 1973
Induced LH surges in the rhesus monkey: strength-duration characteristics of the estrogen stimulus. Karsch FJ, et al.
Endocrinology 92:1740-7, Jun 73
Endocrine physiology of the puerperal sow. Molokwu EC, et al. J Anim Sci 36:1158-63, Jun 73
The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al.
J Clin Endocrinol Metab 36:1180-8, Jun 73
Further studies of gonadotropin and estradiol secretion during the preovulatory phase of the human menstrual cycle. Korenman SG, et al.
J Clin Endocrinol Metab 36:1205-9, Jun 73
Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al.
J Clin Endocrinol Metab 36:1097-9, Jun 73
Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73
Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73
The concentration of oestrone and oestradiol-17 in spermatic venous blood in man. Baird DT, et al.
J Endocrinol 57:285-8, May 73
Plasma oestradiol, luteinizing hormone and progesterone during the oestrous cycle in the Beagle bitch. Jones GE, et al. J Endocrinol 57:331-2, May 73
Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al.
J Endocrinol 57:277-84, May 73
Current status of standardization of steroid radioimmunoassay. Malvano R, et al.
J Nucl Biol Med 16:90-101, Apr-Jun 72
Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al.
J Reprod Fertil 33:519-22, Jun 73
Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al.
Neuroendocrinology 12:86-97, 1973
[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)
[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Eng. Abstr.) (Ger)
[Effects of partial components of a contraceptive agent on the function of the menstrual cycle] Schneider W, et al. Med Klin 68:510-5, 20 Apr 73 (Eng. Abstr.) (Ger)
[Effects of a contraceptive agent on the function of the peripheral and central menstrual cycle] Spona J, et al.
Med Klin 68:505-9, 20 Apr 73 (Eng. Abstr.) (Ger)
[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)

CHEMICAL SYNTHESIS

Regiospecific syntheses of modified steroid hormones. II. 4-Fluoro-17 -oestradiol and -oestrone. Neeman M, et al. J Chem Soc [Perkin I] 18:2297-300, 1972

DIAGNOSTIC USE

Human neurophysine blood levels under normal, experimental and pathological conditions. Legros JJ, et al. Clin Endocrinol (Oxf) 1:99-113, Jan 72

ISOLATION & PURIFICATION

Radioimmunoassay of serum estrogen. Jiang NS, et al.
Clin Chem 19:740-7, Jul 73

METABOLISM

The effect of actinomycin D on the binding of tritiated oestradiol by the vagina of the ovariectomized mouse. Stone GM, et al. Aust J Biol Sci 26:201-8, Feb 73
Regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:119-23, 1973
Testosterone: a regulator of 5alpha-reductase activity

LIBRARY U. OF I., URBANA-CHAMPAIGN

in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73

Effect of estrone and progesterone on the nuclear uptake of estradiol by slices of human endometrium. Tseng L, et al. **Endocrinology** 93:245-8, Jul 73

Binding of oestradiol by the nuclear fraction of rat testis interstitial tissue. Mulder E, et al. **FEBS Lett** 31:131-6, 1 Apr 73

Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Peng MT, et al. **Fertil Steril** 24:534-9, Jul 73

The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. **Horm Metab Res** 5:101-5, Mar 73

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. **Indian J Cancer** 10:111-23, Mar 73 (131 ref.)

Steroid hormones and their receptors. Thomas PJ. **J Endocrinol** 57:333-59, May 73

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al. **Life Sci [II]** 11:1109-16, 22 Nov 72

Oestrogen receptor binding is not restricted to target nuclei. Chamness GC, et al. **Nature** 243:458-60, 16 Feb 73

Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Keefer DA, et al. **Proc Soc Exp Biol Med** 143:414-7, Jun 73

Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al. **Steroids Lipids Res** 3:299-314, 1972

Estrogen-binding to pancreas. Kirdani RY, et al. **Surgery** 74:84-90, Jul 73

[5 S estradiol receptor, acid protein of the nucleus and nucleoplasmic RNA polymerase in cow endometrium] Andress D, et al. **C R Acad Sci [D] (Paris)** 276:97-9, 3 Jan 73 **(Fre)**

[Comparative study of the behavior of an anti-estrogen and estradiol in uterine cells] Rochefort H, et al. **C R Acad Sci [D] (Paris)** 276:2321-4, 9 Apr 73 **(Fre)**

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al. **J Physiol (Paris)** 65:Suppl 3:393A, 1972 **(Fre)**

[Several steroid derivatives in breast tumors. Histo-enzymological study] Babin P, et al. **Nouv Presse Med** 2:1519, 2 Jun 73 **(Fre)**

[Estradiol binding in normal and neoplastic tissue] Pasko Z, et al. **Nowotwory** 23:15-24, Jan-Jun 73 (Eng. Abstr.) **(Pol)**

[Receptors of steroid hormones] Kahl A. **Postepy Biochem** 19:171-93, 1973 **(Pol)**

PHARMACODYNAMICS

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al. **Acta Endocrinol (Kbh)** 73:11-21, May 73

Sex difference and seasonal variations of the serum total lipid and cholesterol levels of normal rabbits. Lózsa A, et al. **Acta Physiol Acad Sci Hung** 42:1-11, 1972

Histochemically demonstrable catecholamines and cholinesterases of the rat uterus during estrus cycle, pregnancy and after estrogen treatment. Hervonen A, et al. **Acta Physiol Scand** 87:283-8, Feb 73

Modified hormonal control of enzymatic activity in tumors. Criss WE. **Am J Obstet Gynecol** 116:753-9, 15 Jul 73

The effect of estrogen on collagen synthesis at the site of a skin autograft. Yang SL, et al. **Am J Obstet Gynecol** 116:694-7, 1 Jul 73

The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment. Vitale R, et al. **Anat Rec** 176:331-44, Jul 73

The effects of luteinizing hormone, oestrogen and ovariectomy on the agonistic behaviour of female Quelea quelea. Lazarus J, et al. **Anim Behav** 21:49-60, Feb 73

Ram-seeking activity associated with oestrous behaviour in ewes. Lindsay DR, et al. **Anim Behav** 20:452-6, Aug 72

The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al. **Anim Behav** 20:782-7, Nov 72

Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al. **Anim Behav** 20:732-40, Nov 72

Some hormones involved in the nesting behaviour of hens. Wood-Gush DG, et al. **Anim Behav** 21:98-103, Feb 73

The lysosome: a role in disease. Verity MA, et al. **Ann Intern Med** 78:725-38, May 73 (74 ref.)

Rostral medial forebrain bundle lesions produce decrements in masculine, but not feminine, sexual behavior in spayed female rats. Modianos DT, et al. **Behav Biol** 8:629-36, May 73

An in vitro action of androgens on protein synthesis by epididymal tubules maintained in organ culture. Blaquier JA. **Biochem Biophys Res Commun** 52:1177-83, 19 Jun 73

Induction of acetylcholinesterase by 17- estradiol in the brain of rats of various ages. Moudgil VK, et al. **Biochem Biophys Res Commun** 52:725-30, 8 Jun 73

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT. **Biochemistry** 12:2221-30, 5 Jun 73

Estrogen-induced phosphoprotein synthesis in roosters. Kinetics of induction. Bergink EW, et al. **Biochim Biophys Acta** 294:497-506, 4 Feb 73

The distribution of radioactive peptides synthesized by polysomes and ribosomal subunits combined in vitro with microsomal membranes. Burke GT, et al. **Biochim Biophys Acta** 299:312-24, 19 Mar 73

Effects of steroids, folate deprivation and protein deprivation upon tetrahydrofolate dehydrogenase levels in mammalian tissues. Makulu DR, et al. **Biochim Biophys Acta** 304:526-32, 28 Apr 73

Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. **Biochim Biophys Acta** 299:576-87, 11 Apr 73

Endocrine control of gland proliferation in the mouse uterus. Finn CA, et al. **Biol Reprod** 8:585-8, Jun 73

Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL. **Biol Reprod** 8:618-24, Jun 73

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod** 8:435-40, May 73

Effects of lesions in the lateral medulla on mating and responses to genital stimulation in female cats. Rose JD, et al. **Brain Res** 56:350-4, 29 Jun 73

Changes in firing rates of single preoptic and hypothalamic units following an intravenous administration of estrogen in the castrated female rat. Yagi K. **Brain Res** 53:343-52, 27 Apr 73

In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. **Can J Biochem** 51:735-40, Jun 73

Induction of precocious sexual development in female pink salmon (Oncorhynchus gorbuscha). Funk JD, et al. **Can J Zool** 51:493-500, May 73

Interaction of estradiol and testosterone in the regulation of growth and development of the chicken (Gallus domesticus) oviduct. Yu JY, et al. **Comp Biochem Physiol [B]** 44:769-77, 15 Mar 73

Plasma LH changes following cortical spreading depression in female rats. Colombo JA, et al. **Endocrinology** 93:182-7, Jul 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Prolactin-induced luteolysis in rats following ovarian x-irradiation. Hixon JE, et al. **Endocrinology** 92:1667-72, Jun 73

Induced LH surges in the rhesus monkey: strength-duration characteristics of the estrogen stimulus. Karsch FJ, et al. **Endocrinology** 92:1740-7, Jun 73

Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat. Negro-Vilar A, et al. **Endocrinology** 92:1680-4, Jun 73

Effects of cortical stimulation on estrous behavior in estrogen-primed ovariectomized rats. Ross JW, et al. **Endocrinology** 93:20-5, Jul 73

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD. **Endocrinology** 93:172-81, Jul 73

Secretion of lipovitellin into serum following induction of synthesis in the liver by estradiol-17 . Zelson PR, et al. **Endocrinology** 93:256-8, Jul 73

Oestrogen-induced protein (IP) of rat uterus. Isolation and preliminary characterization. Jacobelli S, et al. **FEBS Lett 32:199-203, 15 May 73**

Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. **Gen Comp Endocrinol 20:467-73, Jun 73**

Effects of 17 beta-estradiol on the distribution and activity of some oxydative enzymes of uterine and cervical epithelium in neonatal mice. Eide A, et al. **Histochemie 33:159-68, 1973**

Crop sac stimulating activity and mammary inhibition produced by a human placental protein. Castillo CE, et al. **Horm Metab Res 5:129-33, Mar 73**

Antifertility activity of an indigenous plant preparation (ROC-101). 3. Effect on ultrastructure of the rat uterine luminal epithelium. Munshi SR, et al. **Indian J Med Res 60:1791-3, Dec 72**

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci 36:1149-57, Jun 73 (75 ref.)**

Effect of estrogen on behavior of ovariectomized ring doves (Streptopelia risoria). Cheng M. **J Comp Physiol Psychol 83:234-9, May 73**

Effect of ovarian secretions on female behavioral potentiality in the rat. Gerall AA, et al. **J Comp Physiol Psychol 82:449-65, Mar 73**

Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al. **J Dairy Sci 56:738-43, Jun 73**

The effect of progesterone and oestradiol on blastocysts cultured within the lumina of immature mouse uteri. Grant PS. **J Embryol Exp Morphol 29:617-38, Jun 73**

Effect of ovarian hormones and synthetic progestins on vaginal sialic acid in the rat. Galletti F, et al. **J Endocrinol 57:193-8, May 73**

Induction of male sexual behaviour by oestradiol benzoate in combination with dihydrotestosterone. Larsson K, et al. **J Endocrinol 57:563-4, Jun 73**

The inhibition by progesterone of uterine epithelial proliferation in the mouse. Martin L, et al. **J Endocrinol 57:549-54, Jun 73**

Sodium salicylate toxicity and pregnancy in mice. Nežádalová E, et al. **J Pharm Pharmacol 25:80-1, Jan 73**

Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil 33:231-7, May 73**

Differential effects of oestrogen on the uptake of nucleic acid precursors by mouse blastocysts in vitro. Harrer JA, et al. **J Reprod Fertil 33:327-30, May 73**

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. **J Reprod Fertil 33:457-67, Jun 73**

Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar. Joshi HS, et al. **J Reprod Fertil 33:411-23, Jun 73**

Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. **J Reprod Fertil 33:310-3, May 73**

The effect of actinomycin D on the attachment reaction of implantation in mice. Pollard RM, et al. **J Reprod Fertil 33:343-5, May 73**

Evidence for non-involvement of central catecholamines in copper acetate induced ovulation. Gupta ML, et al. **Jap J Pharmacol 23:1-4, Feb 73**

Are some women's breast cancers androgen dependent? Flax H, et al. **Lancet 1:1204-7, 2 Jun 73**

Hormone therapy in malignant melanoma. Flax H, et al. **Lancet 2:147, 21 Jul 73**

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al. **Life Sci [II] 11:1109-16, 22 Nov 72**

Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. Beatty WW. **Physiol Behav 10:627-8, Mar 73**

Hormonal factors controlling the development of sexual behavior in the male golden hamster. Coniglio LP, et al. **Physiol Behav 10:1087-94, Jun 73**

Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. **Physiol Behav 10:701-5, Apr 73**

The effect of experience and hormones on the initial receptivity in female and male rats. Gerall AA, et al. **Physiol Behav 10:851-4, May 73**

Daily and hourly estrous running in intact, spayed and estrone implanted rats. Gerall AA, et al. **Physiol Behav 10:225-9, Feb 73**

Sexual arousal of the female hamster. Noble RG. **Physiol Behav 10:973-5, May 73**

Facilitation of the lordosis response of the female hamster (Mesocricetus auratus). Noble RG. **Physiol Behav 10:663-6, Apr 73**

Estradiol induced suppression of feeding in the female rat: dependence on body weight. Redick JH, et al. **Physiol Behav 10:543-7, Mar 73**

Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. Ross JW, et al. **Physiol Behav 10:643-6, Mar 73**

Interaction of genotype and exogenous neonatal estrogen: aggression in female mice. Vale JR, et al. **Physiol Behav 10:181-3, Feb 73**

Effects of adrenal glucocorticoids on polyoma virus replication. Morhenn V, et al. **Proc Natl Acad Sci USA 70:1088-9, Apr 73**

Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Keefer DA, et al. **Proc Soc Exp Biol Med 143:414-7, Jun 73**

Sexual differentiation of pituitary function: apparent difference bewteen primates and rodents. Karsch FJ, et al. **Science 179:484-6, 2 Feb 73**

Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A. **Sov J Dev Biol 3:396-406, Sep-Oct 72**

Human prostatic dehydroepiandrosterone sulfate sulfatase. Farnsworth WE. **Steroids 21:647-64, May 73**

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)**

[Comparative study of the behavior of an anti-estrogen and estradiol in uterine cells] Rochefort H, et al. **C R Acad Sci [D] (Paris) 276:2321-4, 9 Apr 73 (Fre)**

[Regulation by progesterone of the concentration of its uterine receptors] Thi L, et al. **C R Acad Sci [D] (Paris) 276:2281-4, 9 Apr 73 (Fre)**

[Hypophyseal-ovarian relations in the chick embryo] Maraud R, et al. **C R Soc Biol (Paris) 166:350-3, 9 Nov 72 (Fre)**

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al. **J Physiol (Paris) 65:Suppl 3:393A, 1972 (Fre)**

[Appearance of disorders in cryptorchid testis of mice after estradiol injection of the pregnant mother] Jean C. **J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)**

[Action of estroprogestative agents in the quail (Coturnix-Coturnix)] Laugier C, et al. **J Physiol (Paris) 65:Suppl 3:437A, 1972 (Fre)**

[Motor activity of the uterus in the ewe. Electromyographic study] Rousseau JP, et al. **J Physiol (Paris) 65:Suppl 3:493A, 1972 (Fre)**

[Increase in the number of plaques formed by an RNA coliphage by the action of hormonal steroids] Sonea S, et al. **Rev Can Biol 31:321-2, Dec 72 (Eng. Abstr.) (Fre)**

[Effects of partial components of a contraceptive agent on the function of the menstrual cycle] Schneider W, et al. **Med Klin 68:510-5, 20 Apr 73 (Eng. Abstr.) (Ger)**

[Effects of a contraceptive agent on the function of the peripheral and central menstrual cycle] Spona J, et al. **Med Klin 68:505-9, 20 Apr 73 (Eng. Abstr.) (Ger)**

[Various histochemical features of the uterus and placenta of ovariectomized rats following administration of different doses of progesterone and estradiol-dipropionate] Tsitsishvili DR, et al. **Arkh Anat Gistol Embriol 63:92-5, Dec 72 (Eng. Abstr.) (Rus)**

[Effect of some hormones on the "drumstick" nuclei of the neutrophils of female and male guinea pigs] Kotova SA. **Probl Endokrinol (Mosk) 19:95-9, Mar-Apr 73 (Eng. Abstr.) (Rus)**

SECRETION

Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D. **J Clin Endocrinol Metab 36:1079-87, Jun 73**

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. **J Endocrinol 57:277-84, May 73**

Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al. **J Reprod Fertil 33:519-22, Jun 73**

LIBRARY U. OF I., URBANA-CHAMPAIGN

ESTRADIOL

[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)

THERAPEUTIC USE

Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73
Some biochemical and histochemical aspects in hyperplasia and carcinoma of the human prostate. Nilsson T, et al. **J Surg Oncol 5:205-14, 1973**
Hormone therapy in malignant melanoma. Flax H, et al.
Lancet 2:147, 21 Jul 73
Prolactin inhibition and suppression of puerperal lactation by a Br-erocryptine (CB 154). A comparison with estrogen. Brun del Re R, et al.
Obstet Gynecol 41:884-90, Jun 73
The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73
Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A.
Sov J Dev Biol 3:396-406, Sep-Oct 72
[Diagnosis and therapy of prostatic carcinoma] Feustel A. **Z Urol Nephrol 66:221-3, Mar 73 (14 ref.) (Ger)**

URINE

Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
Urinary estrogen excretion in men with breast cancer. Dao TL, et al. **N Engl J Med 289:138-40, 19 Jul 73**
Urinary oestrogens in cows treated with oxytocin during met-oestrus. Lunaas T.
Res Vet Sci 14:124-6, Jan 73
Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al.
Steroids Lipids Res 3:299-314, 1972
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)
[Behavior of placental lactogen level in serum and estradiol excretion in pregnant women under the treatment for EPH (edema, proteinuria, hypertension) gestosis with heparin and complamin] Weber H, et al. **Med Welt 23:1948-51, 16 Dec 72 (Ger)**
[Urinary estrogen determination in the dog during estrus and pregnancy] Horst HJ, et al.
Zentralbl Veterinaermed [A] 20:77-83, Jan 73 (Eng. Abstr.) (Ger)
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al.
Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)
[Urinary estrogen excretion in preneoplastic breast diseases] Kozhnazarova IuS, et al.
Vopr Onkol 18:23-6, 1972 (Eng. Abstr.) (Rus)

ESTRANES

Affinity labeling of the active sites of delta 5 -ketosteroid isomerase using photoexcited natural ligands. Martyr RJ, et al.
Biochemistry 12:2172-8, 22 May 73
Carbon-13 magnetic resonance spectroscopy of steroids. Estra-1,3,5(10)-trienes. Wittstruck TA, et al.
J Org Chem 38:1542-8, 20 Apr 73
[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al.
Eur J Biochem 35:311-7, Jun 73 (Eng. Abstr.) (Fre)

ANALYSIS

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73

ESTRIOL

Comparative specificity of antisera raised against estrone, estradiol-17 and estriol using 6-0-carboxy-methyloxime bovine serum albumin derivatives. Wright K, et al. **Steroids 21:755-69, May 73**

ADMINISTRATION & DOSAGE

Histological investigations into the effect of oestriol succinate on the corpus uteri in postmenopausal women. Heuser HP, et al.
Arzneim Forsch 23:558-62, Apr 73
Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al.
Steroids Lipids Res 3:299-314, 1972
[New local therapy of atrophic vaginitis] Lieveaux A.
Gynecol Prat 23:193-5, 1972 (Eng. Abstr.) (Fre)
[Oral estriol-therapy in senile colpitis. Clinical and vaginal-cytological studies] Joswig-Priewe H, et al.
Z Allgemeinmed 49:633-7, 10 May 73 (Ger)

ANALYSIS

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Amniotic fluid assays in high-risk pregnancy. Rajan R.
Clin Obstet Gynecol 16:313-28, Mar 73 (58 ref.)
Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73
Fetal maturity assessed from biochemical analysis of the liquor amini. MacVicar J, et al.
Scott Med J 18:84-92, May 73
[Study of fetal maturity. VII. Estriol in amniotic fluid at the end of pregnancy] Rojas Cañamar M, et al.
Ginecol Obstet Mex 33:427-40, May 73 (Eng. Abstr.) (Spa)

BLOOD

Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term. Effer SB, et al. **Am J Obstet Gynecol 116:643-7, 1 Jul 73**
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73
Plasma oestriol in retarded intrauterine fetal growth. Masson GM.
J Obstet Gynaecol Br Commonw 80:423-8, May 73
[Placenta insufficiency] Haller U.
Z Allgemeinmed 49:509-18, 20 Apr 73 (Ger)

METABOLISM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73
Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al.
Am J Obstet Gynecol 116:981-4, 1 Aug 73
Regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:119-23, 1973
Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al.
Steroids Lipids Res 3:299-314, 1972
Estrogen-binding to pancreas. Kirdani RY, et al.
Surgery 74:84-90, Jul 73

PHARMACODYNAMICS

Histological investigations into the effect of oestriol succinate on the corpus uteri in postmenopausal women. Heuser HP, et al.
Arzneim Forsch 23:558-62, Apr 73
In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. **Can J Biochem 51:735-40, Jun 73**

SECRETION

Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73

THERAPEUTIC USE

Histological investigations into the effect of oestriol succinate on the corpus uteri in postmenopausal women. Heuser HP, et al.
Arzneim Forsch 23:558-62, Apr 73
[New local therapy of atrophic vaginitis] Lieveaux A. **Gynecol Prat 23:193-5, 1972 (Eng. Abstr.) (Fre)**
[Oral estriol-therapy in senile colpitis. Clinical and vaginal-cytological studies] Joswig-Priewe H, et al. **Z Allgemeinmed 49:633-7, 10 May 73 (Ger)**

URINE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73
Unusual responses of infertile women to human gonadotropins. Crooke AC, et al.
Am J Obstet Gynecol 116:706-10, 1 Jul 73
Estimation of gestational age in the fetal state. Johnson JW Jr, et al. **Annu Rev Med 24:165-74, 1973 (85 ref.)**
Serum heat stable alkaline phosphatase compared with urinary oestriol in abnormal pregnancy. Ward H, et al.
Aust NZ J Obstet Gynaecol 13:22-8, Feb 73
Pregnancy and idiopathic autoimmune haemolytic anaemia: a prospective study during 6 months gestation and 3 months post-partum. Chaplin H Jr, et al. **Br J Haematol 24:219-29, Feb 73**
Collection and preservation of a 24-h pregnancy urine, for the gas-chromatographic determination of pregnanediol and oestriol. Alink HR.
Clin Chim Acta 45:195, 30 Apr 73
Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
Urinary estrogen excretion in men with breast cancer. Dao TL, et al. **N Engl J Med 289:138-40, 19 Jul 73**
Pulmonary surfactant. Is the fetal adrenal necessary? Burke RK, et al. **Obstet Gynecol 41:833-6, Jun 73**
Daily fetal movement recording and fetal prognosis. Sadovsky E, et al. **Obstet Gynecol 41:845-50, Jun 73**
Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Stoa KF, et al.
Steroids Lipids Res 3:299-314, 1972
[Evaluation of fetal maturity and fetal risk] Colette C, et al. **Nouv Presse Med 1:2807-10, 25 Nov 72 (Fre)**
[Urinary excretion of estriol during the last 2 trimesters of normal pregnancy. Correlation with birth weight. Daily variations] Scholler R, et al.
Pathol Biol (Paris) 21:375-83, Apr 73 (Eng. Abstr.) (Fre)
[Prenatal evaluation of the fetus and various remarks on fetal physiopathology] Roux JF.
Union Med Can 102:109-14, Jan 73 (Fre)
[Progressive growth of a primary tumour due to pregnancy] Varga L, et al.
Geburtshilfe Frauenheilkd 33:288-93, Apr 73 (Eng. Abstr.) (Ger)
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al.
Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)
[Urinary estrogen excretion in preneoplastic breast diseases] Kozhnazarova IuS, et al.
Vopr Onkol 18:23-6, 1972 (Eng. Abstr.) (Rus)
[Estriol excretion in the urine of pregnant women with metrorrhagia in the 2nd half of pregnancy] Melich O, et al. **Cesk Gynekol 38:332-4, Jun 73 (Slo)**

ESTROGENIC SUBSTANCES, CONJUGATED

ADMINISTRATION & DOSAGE

Labial fusion: a cause of recurrent urinary tract infections. Podolsky ML.
Clin Pediatr (Phila) 12:345-6, Jun 73

ADVERSE EFFECTS

Contraceptive conundrum. II. Hypertension. Catalano PM. **Arch Dermatol 107:910-1, Jun 73**

ANALYSIS

Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term. Effer SB, et al. **Am J Obstet Gynecol 116:643-7, 1 Jul 73**
The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. **Horm Metab Res 5:101-5, Mar 73**
Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73

PHARMACODYNAMICS

Visual evoked potentials during experimentally induced spike-wave activity in monkeys. Mirsky AF, et al.
Electroencephalogr Clin Neurophysiol 35:25-37, Jul 73
Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73
Plasma LH changes following cortical spreading depression in female rats. Colombo JA, et al.
Endocrinology 93:182-7, Jul 73
Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73
A micro-method for the measurement of pharmacologically induced changes in purine derivatives. Kilbert LH Jr, et al.
Horm Metab Res 5:216-20, May 73

THERAPEUTIC USE

Autoimmune progesterone dermatitis of pregnancy. Bierman SM. **Arch Dermatol 107:896-901, Jun 73**
Labial fusion: a cause of recurrent urinary tract infections. Podolsky ML.
Clin Pediatr (Phila) 12:345-6, Jun 73
The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73

URINE

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta 45:9-18, 19 Apr 73**

ESTROGENS

Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al.
Australas Radiol 22:1718-21, Oct 72
A filter assay for steroid hormone receptors. Santi DV, et al. **Biochemistry 12:2412-6, 19 Jun 73**
Estrogen receptors in the rat uterus. Multiple forms

LIBRARY U. OF I., URBANA-CHAMPAIGN

produced by concentration-dependent aggregation. Stancel GM, et al. **Biochemistry** 12:2130-6, 22 May 73

Estrogen receptors in the rat uterus. Relationship between cytoplasmic and nuclear forms of the estrogen binding protein. Stancel GM, et al. **Biochemistry** 12:2137-41, 22 May 73

Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Engelsman E, et al. **Br Med J** 2:750-2, 30 Jun 73

Effect of herpesvirus type 2 and hormonal imbalance on the uterine cervix of the mouse. Muñoz N. **Cancer Res** 33:1504-8, Jun 73

Studies on pregnancy-associated globulin. Horne CH, et al. **Clin Exp Immunol** 13:603-11, Apr 73

[Constitution-depending modification of athletic capacity by ovarian steroids. Remarks on G. Martius, Münch. med. Wschr. 115(1973)6,169-173] Bausenwein I. **Munch Med Wochenschr** 115:729, 20 Apr 73 (Ger)

ADMINISTRATION & DOSAGE

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ. **Am J Obstet Gynecol** 116:551-6, 15 Jun 73

Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen. Keyes PL. **Biol Reprod** 8:618-24, Jun 73

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. **J Reprod Fertil** 33:457-67, Jun 73

Hormone replacement therapy for menopausal symptoms. Maddison J. **Lancet** 1:1507, 30 Jun 73

Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al. **Science** 181:177-9, 13 Jul 73

[Genital hormone therapy in women with genital activity] Blanc PM. **J Med Lyon** 53:1651-3, 5 Dec 72 (Fre)

[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al. **Pediatrie** 27:891-912, Dec 72 (Fre)

[Oral contraceptives in excessive longitudinal growth] Kepp R. **Dtsch Med Wochenschr** 98:1047, 18 May 73 (Ger)

[Estrogens as additives in hair tonics] Korting GW. **Hautarzt** 24:130-1, Mar 73 (Ger)

ADVERSE EFFECTS

Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. **Lancet** 1:899-904, 28 Apr 73

Haemolytic uraemic syndrome in women taking oral contraceptives. Brown CB, et al. **Lancet** 1:1479-81, 30 Jun 73

Hormones and limb-reduction deformities. Janerich DT, et al. **Lancet** 2:96-7, 14 Jul 73

Hormonal replacement therapy for menopausal symptoms. Kirby IJ. **Lancet** 2:103, 14 Jul 73

A case of squamous cell carcinoma in a heifer associated with persistent lactation, cystic ovaries and mucometra. Jha GJ, et al. **Vet Rec** 92:137-8, 10 Feb 73

[Late cutaneous porphyria revealed by estrogen administration. Therapeutic effect of A.M.P] Gajdos A, et al. **Nouv Presse Med** 2:1131-3, 28 Apr 73 (Eng. Abstr.) (Fre)

[Vascular and gynecological consequences of estroprogestatives] Chabrier J, et al. **Phlebologie** 25:251-4, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Prevention of vascular disorders during administration of estroprogestative contraceptives with a medication containing extracts of Ginkgo biloba] Grasset J, et al. **Phlebologie** 25:269-72, Jul-Sep 72 (Fre)

[Results of an enquiry into synthetic estroprogestatives and their effects on veins] Molen HR van der, et al. **Phlebologie** 25:237-42, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Synthetic estroprogestatives and phlebology. Introduction] Muller P. **Phlebologie** 25:223-6, Jul-Sep 72 (Fre)

[Venous complications caused by estroprogestative treatment at the Strasbourg University Maternity Hospital] Muller P, et al. **Phlebologie** 25:256-7, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Synthetic estroprogestatives and circulatory disorders] Reinharez D. **Phlebologie** 25:243-50, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Vascular disorders and synthetic estroprogestatives] Servelle M, et al. **Phlebologie** 25:259-61, Jul-Sep 72 (Eng. Abstr.) (Fre)

[The outcome of an enquiry into synthetic estroprogestatives and their effects on venous circulation] Wallois P, et al. **Phlebologie** 25:227-35, Jul-Sep 72 (Eng. Abstr.) (Fre)

[New trends in diagnosis and therapy of breast cancer] Ricciardi M. **Minerva Med** 64:1306-19, 18 Apr 73 (Eng. Abstr.) (Ita)

ANALYSIS

Essential metals in oral contraceptive tablets. Dawson EB, et al. **Am J Obstet Gynecol** 116:412-4, 1 Jun 73

Arrhenoblastoma: in vivo and in vitro studies. Youngiai EV, et al. **Am J Obstet Gynecol** 116:401-7, 1 Jun 73

Amniotic fluid assays in high-risk pregnancy. Rajan R. **Clin Obstet Gynecol** 16:313-28, Mar 73 (58 ref.)

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al. **J Steroid Biochem** 4:181-91, Mar 73

[Estrogen content of feces of newborn calves] Satrapa R, et al. **Dtsch Tieraerztl Wochenschr** 80:179-81, 15 Apr 73 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer. Fujimori M. **Cancer** 31:789-92, Apr 73

Treatment of menometrorrhagia with an anti-oestrogen. el-Sheikha Z, et al. **Clin Endocrinol (Oxf)** 1:275-82, Jul 72

Daily and hourly estrous running in intact, spayed and estrone implanted rats. Gerall AA, et al. **Physiol Behav** 10:225-9, Feb 73

[Comparative study of the behavior of an anti-estrogen and estradiol in uterine cells] Rochefort H, et al. **C R Acad Sci [D] (Paris)** 276:2321-4, 9 Apr 73 (Fre)

BIOSYNTHESIS

Estrogen synthesis by Brenner tumors. Shinada T, et al. **Am J Obstet Gynecol** 116:408-11, 1 Jun 73

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. **Anal Biochem** 53:64-85, May 73

Regulation of sexual reproduction in Gibberella zeae (Fusarium roxeum "graminearum") by F-2 (Zearalenone). Wolf JC, et al. **Can J Microbiol** 19:725-34, Jun 73

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al. **Clin Obstet Gynecol** 16:279-97, Mar 73 (17 ref.)

[Estrogen biosynthesis in ovary of hypophysectomized chick embryos: quantitative aspect] Akram H, et al. **C R Acad Sci [D] (Paris)** 276:359-61, 15 Jan 73 (Fre)

[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al. **Minerva Med** 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)

BLOOD

In vivo alterations in the incorporation of (3 H)lysine into the medial preoptic nucleus and specific hypothalamic nuclei during the estrous cycle of the rat. Litteria M. **Brain Res** 55:234-7, 30 May 73

Radioimmunoassay of serum estrogen. Jiang NS, et al. **Clin Chem** 19:740-7, Jul 73

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al. **Folia Primatol (Basel)** 19:24-7, 1973

Plasma oestrogen, progesterone and corticoid concentrations in the pregnant, parturient and lactating sow. Ash RW, et al. **J Reprod Fertil** 33:359-60, May 73

Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil** 33:231-7, May 73

Studies on the endocrinology of parturition in the guinea-pig. Illingworth DV, et al. **J Reprod Fertil** 33:361-2, May 73

[Abnormal bleeding in trichomonas vaginalis] Grase EU.

Dtsch Med Wochenschr 98:375-9, 23 Feb 73 (Eng. Abstr.) (Ger)
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

CHEMICAL SYNTHESIS

Total synthesis of the macrolide, (R,S)-zearalanone. Hurd RN, et al. J Med Chem 16:543-5, May 73
Synthesis of specific phenazine derivatives of 2-hydroxyestrogens. Gelbke HP, et al. Steroids 21:689-702, May 73

ISOLATION & PURIFICATION

[Estrogen biosynthesis in ovary of hypophysectomized chick embryos: quantitative aspect] Akram H, et al. C R Acad Sci [D] (Paris) 276:359-61, 15 Jan 73 (Fre)

METABOLISM

Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married premenopausal women. Grattarola R. Am J Obstet Gynecol 116:423-8, 1 Jun 73
Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al. Am J Obstet Gynecol 116:981-4, 1 Aug 73
Estrogen synthesis by Brenner tumors. Shinada T, et al. Am J Obstet Gynecol 116:408-11, 1 Jun 73
Regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al. Endocrinol Exp (Bratisl) 7:119-23, 1973
Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. Indian J Cancer 10:111-23, Mar 73 (131 ref.)
Estrogen-binding to pancreas. Kirdani RY, et al. Surgery 74:84-90, Jul 73
[Intracellular localization of rat liver alpha-fetoprotein by use of tritiated estrogens] Uriel J, et al. C R Acad Sci [D] (Paris) 275:1941-2, 23 Oct 72 (Fre)
[Corynebacterium acnes. A definite factor in the complex etiology of acne vulgaris?] Lentze I. Hautarzt 24:91-5, Mar 73 (117 ref.) (Ger)
[Treatment of estrogen-deficiency vaginitis] Jann R. Praxis 62:802-4, 19 Jun 73 (Ger)

PHARMACODYNAMICS

The influence of oral contraceptive steroids on serum lipids. De Alvarez RR, et al. Am J Obstet Gynecol 116:727-49, 1 Jul 73
Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al. Am J Obstet Gynecol 116:377-87, 1 Jun 73
The effect of estrogen on collagen synthesis at the site of a skin autograft. Yang SL, et al. Am J Obstet Gynecol 116:694-7, 1 Jul 73
The lysosome: a role in disease. Verity MA, et al. Ann Intern Med 78:725-38, May 73 (74 ref.)
Effects of sex hormones on cognitive style in rats and men. Dawson JL. Behav Genet 2:21-42, Mar 72
Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al. Biochem Biophys Res Commun 52:64-73, 1 May 73
The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. Br J Exp Pathol 54:306-11, Jun 73
In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. Can J Biochem 51:735-40, Jun 73
Mesenchymal response of the blood vessel wall. A potential avenue for understanding and treating atherosclerosis. Wolinsky H. Circ Res 32:543-9, May 73 (71 ref.)
Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF. Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W. Ergeb Physiol 67:69-188, 1972 (344 ref.)
Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al. Experientia 29:278-80, 15 Mar 73
Effect of estrogens on histidine metabolism. Ayalon D, et al. Isr J Med Sci 9:659-61, May 73
Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess. Krakoff LR. J Clin Endocrinol Metab 37:110-7, Jul 73
Total synthesis of the macrolide, (R,S)-zearalanone. Hurd RN, et al. J Med Chem 16:543-5, May 73
Estrogen-induced biogenic amine reduction in rat uterus. McKercher TC, et al. J Pharmacol Exp Ther 185:514-22, Jun 73
Autonomic nervous system and oviduct function in the rabbit. I. Hormones and contraction. Howe GR, et al. J Reprod Fertil 33:425-30, Jun 73
Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. J Reprod Fertil 33:457-67, Jun 73
Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar. Joshi HS, et al. J Reprod Fertil 33:411-23, Jun 73
Effects of drugs on the fetus. JAMA 225:60, 2 Jul 73
Hormonal replacement therapy for menopausal symptoms. Kirby IJ. Lancet 2:103, 14 Jul 73
Connective tissue alterations in gingivae of rats treated with estrogen and progesterone. A histologic and autoradiographic study. Lundgren D, et al. Odontol Revy 24:49-58, 1973
Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al. Science 181:177-9, 13 Jul 73
Ultrastructure of the proximal convoluted tubules during repair following hormonally induced necrosis in rat kidney. Ormos J, et al. Virchows Arch [Zellpathol] 13:1-13, 15 May 73
[Transcortin in health and disease] Vakov L. Vutr Boles 12:1-8, 1973 (Bul)
[Regulation by progesterone of the concentration of its uterine receptors] Thi L, et al. C R Acad Sci [D] (Paris) 276:2281-4, 9 Apr 73 (Fre)
[Oral contraceptives in excessive longitudinal growth] Kepp R. Dtsch Med Wochenschr 98:1047, 18 May 73 (Ger)
[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K. Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)
[Hypolipemic agents] Paoletti R, et al. Minerva Med 64:1267-75, 14 Apr 73 (Ita)
[Hemato-testicular barrier] Raitsina SS, et al. Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)

PHYSIOLOGY

The effect of estrogen on collagen synthesis at the site of a skin autograft. Yang SL, et al. Am J Obstet Gynecol 116:694-7, 1 Jul 73
Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)
'Maternity blues'. Pitt B. Br J Psychiatry 122:431-3, Apr 73
Summary of informal discussion of part 3 of genital herpesvirus and of in vivo animal studies. Rawls WE. Cancer Res 33:1511-4, Jun 73
Estrogen-induced surface coat and enzyme changes in the implanting mouse blastocyst. Holmes PV, et al. J Embryol Exp Morphol 29:639-45, Jun 73
Diabetes and pregnancy. Tsai A, et al. J Reprod Med 11:23-8, Jul 73
The control and function of maternal scent marking the Mongolian gerbil. Wallace P, et al. Physiol Behav 10:463-6, Mar 73
[Thyroid gland and pregnancy] Bernheim R. Nouv Presse Med 2:1297-300, 12 May 73 (Fre)
[Injuries to pelvic joints during pregnancy, labor and puerperium] Gwóźdź A. Pol Tyg Lek 28:660-2, 30 May 73 (Pol)
[Hormonal regulation of early mammalian embryogenesis] Baevskii IuB, et al. Usp Sovrem Biol 75:265-77, Mar-Apr 73 (94 ref.) (Rus)
[Age associated factor in the risk of tumor development] Dil'man VM. Vopr Onkol 19:101-11, May 73 (Rus)

SECRETION

Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married

LIBRARY U. OF I., URBANA-CHAMPAIGN

premenopausal women. Grattarola R.
Am J Obstet Gynecol 116:423-8, 1 Jun 73

Alkaloid studies. 8. Isolation and characterization of alkaloids of Tabernaemontana heyneana Wall and antifertility properties of coronaridine. Meyer WE, et al. **J Pharm Sci** 62:1199-201, Jul 73

Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al.
J Reprod Fertil 33:519-22, Jun 73

THERAPEUTIC USE

Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia. Connell MJ, et al.
Am J Med Sci 265:321-33, Apr 73

Combatting osteoporosis. Solka CV.
Am J Nurs 73:1193-7, Jul 73

Hypermenorrhea in the young hemodialysis patient. Rice GG. **Am J Obstet Gynecol** 116:539-43, 15 Jun 73

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Am J Obstet Gynecol 116:551-6, 15 Jun 73

Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Sievers DB, et al. **Arch Surg** 107:43-8, Jul 73

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

Strontium-87m and the gamma camera in the study of bone metastases from carcinoma of the prostate. Robinson MR, et al. **Br J Urol** 45:173-8, Apr 73

Metabolic effects of oestrogen treatment in patients with carcinoma of prostate: a comparison of stilboestrol and conjugated equine oestrogens. Shahmanesh M, et al. **Br Med J** 2:512-4, 2 Jun 73

About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Klačanský T.
Endocrinol Exp (Bratisl) 7:75-9, 1973

Effect of estrogens on histidine metabolism. Ayalon D, et al. **Isr J Med Sci** 9:659-61, May 73

Cyproterone acetate in the treatment of advanced carcinoma of the prostate. Smith RB, et al.
J Urol 110:106-8, Jul 73

Hormone replacement therapy for menopausal symptoms. Maddison J. **Lancet** 1:1507, 30 Jun 73

Management of the hyperlipidemic patient. Berkowitz D. **Med Clin North Am** 57:881-92, Jul 73 (81 ref.)

The climacteric. Curzen P.
Proc R Soc Med 66:186, Feb 73

The climacteric. Stallworthy J.
Proc R Soc Med 66:185-6, Feb 73

The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73

Chemotherapy of genitourinary malignancies. Gordon RL. **Semin Drug Treat** 3:69-72, Summer 73

[Comparative evaluation of the treatment of dysfunctional uterine hemorrhages based on data from the Armenian Institute of Obstetrics and Gynecology] Melik-Alaverdian NI, et al.
Zh Eksp Klin Med 12:86-93, 1972 **(Arm)**

[Luteinic insufficiency] Dráč P.
Cesk Gynekol 38:217-20, May 73 (Eng. Abstr.) **(Cze)**

[Endocrine exophthalmos] Lavergne G, et al.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**

[Genital hormone therapy in women with genital activity] Blanc PM.
J Med Lyon 53:1651-3, 5 Dec 72 **(Fre)**

[Estrogens as additives in hair tonics] Korting GW.
Hautarzt 24:130-1, Mar 73 **(Ger)**

[Estrogens in osteoporosis due to age?] Jesserer H.
Med Klin 68:614, 4 May 73 **(Ger)**

[Treatment of estrogen-deficiency vaginitis] Jann R.
Praxis 62:802-4, 19 Jun 73 **(Ger)**

[Therapy of acne] Nikolowski W.
Z Allgemeinmed 49:1-5, 10 Jan 73 **(Ger)**

[Diagnosis and therapy of prostatic carcinoma] Feustel A. **Z Urol Nephrol** 66:221-3, Mar 73 (14 ref.) **(Ger)**

[Testicular feminization syndrome. Clinical case report] Basile F.
Minerva Ginecol 25:187-91, Apr 73 (Eng. Abstr.) **(Ita)**

[Therapy of metastatic mammary carcinoma with cyclophosphamide, methotrex ate, vincristine and fluorouracil] De Lena M, et al.
Tumori 59:11-24, Jan-Feb 73 (Eng. Abstr.) **(Ita)**

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) **(Rus)**

URINE

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73

Galactorrhea-amenorrhea due to primary hypothyroidism. Boroditsky RS, et al.
Am J Obstet Gynecol 116:661-5, 1 Jul 73

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73

Relationship of fetal gonads to urinary estrogen excretion by the pregnant mare. Raeside JI, et al.
Am J Vet Res 34:843-5, Jun 73

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med** 23:1-18, 1972 (83 ref.)

Preliminary trial of aminoglutethimide in breast cancer. Griffiths CT, et al. **Cancer** 32:31-7, Jul 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73

Endocrine profiles in premenstrual tension.
Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72

Identification and evaluation of high-risk pregnancy: the perinatal concept. Aubry RH, et al.
Clin Obstet Gynecol 16:3-27, Mar 73

Recent studies on the mode of action of human FSH. Butt WR, et al. **Endocrinol Exp (Bratisl)** 7:37-41, 1973

The effect of intrauterine contraceptive devices on ovarian and menstrual function in the human. Martin PM, et al. **J Clin Endocrinol Metab** 36:1125-31, Jun 73

Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73

Urinary estrogen excretion in men with breast cancer. Dao TL, et al. **N Engl J Med** 289:138-40, 19 Jul 73

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73

[Urinary estrogen determination in the dog during estrus and pregnancy] Horst HJ, et al.
Zentralbl Veterinaermed [A] 20:77-83, Jan 73 (Eng. Abstr.) **(Ger)**

[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) **(Jap)**

[Urinary estrogen excretion in preneoplastic breast diseases] Kozhnazarova IuS, et al.
Vopr Onkol 18:23-6, 1972 (Eng. Abstr.) **(Rus)**

[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al.
Vopr Onkol 18:19-22, 1972 **(Rus)**

ESTRONE

Enzyme activities in regressing estrone-induced mammary tumors of the rat. Cutts JH.
Cancer Res 33:1235-7, Jun 73

Steroids. XIX. Catalytic iodination of phenolic steroids by horseradish peroxydase. Matkovics B, et al.
Steroids Lipids Res 3:257-62, 1972

Synthesis of specific phenazine derivatives of 2-hydroxyestrogens. Gelbke HP, et al.
Steroids 21:689-702, May 73

Comparative specificity of antisera raised against estrone, estradiol-17 and estriol using 6-0-carboxy-methyloxime bovine serum albumin derivatives. Wright K, et al. **Steroids** 21:755-69, May 73

ANALYSIS

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73

BIOSYNTHESIS

Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al.
Am J Obstet Gynecol 116:981-4, 1 Aug 73

Estrogen synthesis by Brenner tumors. Shinada T, et al.
Am J Obstet Gynecol 116:408-11, 1 Jun 73
The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73
Estrogen formation by the isolated perfused rhesus monkey brain. Flores F, et al.
Science 180:1074-5, 8 Jun 73
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

BLOOD

Radioimmunoassay of serum estrogen. Jiang NS, et al.
Clin Chem 19:740-7, Jul 73
Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al.
Clin Chem 19:718-24, Jul 73
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Endocrine physiology of the puerperal sow. Molokwu EC, et al. J Anim Sci 36:1158-63, Jun 73
The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al.
J Clin Endocrinol Metab 36:1180-8, Jun 73
Further studies of gonadotropin and estradiol secretion during the preovulatory phase of the human menstrual cycle. Korenman SG, et al.
J Clin Endocrinol Metab 36:1205-9, Jun 73
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al.
J Clin Endocrinol Metab 36:1097-9, Jun 73
Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73
The concentration of oestrone and oestradiol-17 in spermatic venous blood in man. Baird DT, et al.
J Endocrinol 57:285-8, May 73
Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. J Endocrinol 57:451-7, Jun 73
Estrone sulphate in rat brain: uptake from blood and metabolism in vivo. Kishimoto Y.
J Neurochem 20:1489-92, May 73
Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al.
J Reprod Fertil 33:519-22, Jun 73
[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)

CHEMICAL SYNTHESIS

Regiospecific syntheses of modified steroid hormones. II. 4-Fluoro-17 -oestradiol and -oestrone. Neeman M, et al. J Chem Soc [Perkin I] 18:2297-300, 1972

ISOLATION & PURIFICATION

Radioimmunoassay of serum estrogen. Jiang NS, et al.
Clin Chem 19:740-7, Jul 73
A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73

METABOLISM

The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al.
J Clin Endocrinol Metab 36:1180-8, Jun 73
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. J Endocrinol 57:451-7, Jun 73
Estrone sulphate in rat brain: uptake from blood and metabolism in vivo. Kishimoto Y.
J Neurochem 20:1489-92, May 73
Estrogen-binding to pancreas. Kirdani RY, et al.
Surgery 74:84-90, Jul 73

PHARMACODYNAMICS

Tissue eosinophil leucocytes. II. Electron microscopy and histochemistry of the uterine eosinophil leucocytes in oestrogen-treated spayed rats. Kelényi G, et al. Acta Biol Acad Sci Hung 23:253-67, 1972
The effects of oestrogen, ACTH and cortisone administration and hypophysectomy on histological changes induced by unilateral renal pedicle clamping. László FA, et al. Br J Exp Pathol 54:306-11, Jun 73
Effect of estrone and progesterone on the nuclear uptake of estradiol by slices of human endometrium. Tseng L, et al. Endocrinology 93:245-8, Jul 73
Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar. Joshi HS, et al. J Reprod Fertil 33:411-23, Jun 73
Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation in rats. Labhsetwar AP.
J Reprod Fertil 33:545-8, Jun 73
Daily and hourly estrous running in intact, spayed and estrone implanted rats. Gerall AA, et al.
Physiol Behav 10:225-9, Feb 73
[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al.
C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)
[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al.
J Physiol (Paris) 65:Suppl 3:393A, 1972 (Fre)
[Effect of ovarian hormones and lactose, alone or combined, on bone disturbances consecutive to ovariectomy] Fontaine N.
J Physiol (Paris) 65:Suppl 3:408A, 1972 (Fre)

SECRETION

Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73
[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)

URINE

Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Hausknecht RU, et al.
Am J Obstet Gynecol 116:981-4, 1 Aug 73
Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al.
J Clin Endocrinol Metab 37:101-9, Jul 73
Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
Urinary estrogen excretion in men with breast cancer. Dao TL, et al. N Engl J Med 289:138-40, 19 Jul 73
Urinary oestrogens in cows treated with oxytocin during met-oestrus. Lunaas T.
Res Vet Sci 14:124-6, Jan 73
A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73
[Urinary estrogen determination in the dog during estrus and pregnancy] Horst HJ, et al.
Zentralbl Veterinaermed [A] 20:77-83, Jan 73 (Eng. Abstr.) (Ger)
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al.
Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)

LIBRARY U. OF I., URBANA-CHAMPAIGN

ETHINYL ESTRADIOL

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)

ADMINISTRATION & DOSAGE

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73
Choice of ethinyl estradiol as a postcoital pill. Lehfeldt H. **Am J Obstet Gynecol 116:892-3, 15 Jul 73**
[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Genital hormone therapy in women with genital activity] Blanc PM.
J Med Lyon 53:1651-3, 5 Dec 72 (Fre)
[Activity of the serum enzymes SGOT, SGPT, LDH and LAP in normal control subjects, during administration of oral contraceptives and in normal pregnancy] Hähn N, et al.
Zentralbl Gynaekol 95:546-51, 20 Apr 73 (Ger)

ADVERSE EFFECTS

Choice of ethinyl estradiol as a postcoital pill. Lehfeldt H. **Am J Obstet Gynecol 116:892-3, 15 Jul 73**
[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Late cutaneous porphyria revealed by estrogen administration. Therapeutic effect of A.M.P] Gajdos A, et al.
Nouv Presse Med 2:1131-3, 28 Apr 73 (Eng. Abstr.) (Fre)
[Changes in the gingiva during therapy with contraceptive hormones] Zaun H.
Med Klin 68:720, 25 May 73 (Ger)

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

METABOLISM

The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. **Horm Metab Res 5:101-5, Mar 73**
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73

PHARMACODYNAMICS

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73
Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73
Metabolic effects of oral contraceptives. Briggs MH, et al. **Br Med J 2:776, 30 Jun 73**
In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. **Can J Biochem 51:735-40, Jun 73**
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73
Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. **Lancet 1:1218-9, 2 Jun 73**
Antithrombin 3 and oestrogen content of oral contraceptives. Howie PW, et al.
Lancet 1:1455, 23 Jun 73
[Effect of ethinyl estradiol on the blood proteins and level of glycogen in rat liver] Selichenko AG.
Ukr Biokhim Zh 44:596-602, 1972 (Eng. Abstr.) (Ukr)

THERAPEUTIC USE

Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Engelsman E, et al.
Br Med J 2:750-2, 30 Jun 73
[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
[Changes in the gingiva during therapy with contraceptive hormones] Zaun H.
Med Klin 68:720, 25 May 73 (Ger)
[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)
[Modern methods in the therapy of mandibular fractures] Pini CE, et al.
Minerva Stomatol 21:100-2, May-Jun 72 (Eng. Abstr.) (Ita)

URINE

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73

ETHISTERONE

ANALYSIS

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate. Roushdi IM, et al. **Pharmazie 28:41-2, Jan 73**

ETHYLESTRENOL

THERAPEUTIC USE

Behçet's syndrome and oral fibrinolytic therapy. Cunliffe WJ, et al. **Br Med J 2:486-7, 26 May 73**
Ethyloestrenol and postoperative venous thrombosis. Allenby F, et al. **Lancet 819:38-9, 7 Jul 73**
Ethyloestrenol and postoperative venous thrombosis. Fearnley GR. **Lancet 2:95, 14 Jul 73**

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

[Postpartal continuous administration of ethinodiol diacetate as a contraceptive agent] Friedrich F, et al.
Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Cerebral arterial occlusive disease with telangiectasia associated with oral contraceptives. Okawara SH, et al. **Arch Neurol 29:60-2, Jul 73**
[Postpartal continuous administration of ethinodiol diacetate as a contraceptive agent] Friedrich F, et al.
Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

BLOOD

Ethynodiol diacetate metabolites in human plasma.

Cook CE, et al.
J Pharmacol Exp Ther 185:696-702, Jun 73

METABOLISM

Ethynodiol diacetate metabolites in human plasma. Cook CE, et al.
J Pharmacol Exp Ther 185:696-702, Jun 73

PHARMACODYNAMICS

Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73
Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73
[Postpartal continuous administration of ethinodiol diacetate as a contraceptive agent] Friedrich F, et al.
Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Eng. Abstr.) (Ger)

URINE

Ethynodiol diacetate metabolites in human plasma. Cook CE, et al.
J Pharmacol Exp Ther 185:696-702, Jun 73

FLUOROMETHOLONE

THERAPEUTIC USE

New drugs of 1972. Hussar DA.
Am J Pharm 145:5-16, Jan 73

FLUOXYMESTERONE

THERAPEUTIC USE

Investigation and treatment of the infertile male. Halim A, et al. Proc R Soc Med 66:373-8, Apr 73

HEXESTROL

ADVERSE EFFECTS

[Foam cell syndrome in bone marrow] Miura A, et al.
Jap J Clin Hematol 13:769-76, Oct 72 (52 ref.) (Jap)

METABOLISM

[Brain nitrogen metabolism during the growth of transplantable extracerebral sarcomas] Arkhangel'skaia AV, et al.
Vopr Med Khim 19:201-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

HYDROXYMETHYLTESTOSTERONE

THERAPEUTIC USE

[Modern methods in the therapy of mandibular fractures] Pini CE, et al.
Minerva Stomatol 21:100-2, May-Jun 72 (Eng. Abstr.) (Ita)

HYDROXYPREGNENOLONE

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72
Histochemical localization of 3 - and 17 -hydroxysteroid dehydrogenases in the male reprodutive tract of the domestic fowl (Gallus domesticus). Tingari MD.
Histochem J 5:57-65, Jan 73

BIOSYNTHESIS

The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex. Lupo Di Prisco C, et al. Comp Biochem Physiol [B] 44:567-75, 15 Feb 73

BLOOD

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. Abraham GE, et al.
J Clin Endocrinol Metab 37:140-4, Jul 73

HYDROXYPROGESTERONE

Cytochrome P-450 as a microsomal peroxidase in steroid hydroperoxide reduction. Hrycay EC, et al.
Arch Biochem Biophys 153:480-94, Dec 72
Steroid 17,20-lyase: the effect of detergents on enzymic activity and microsomal composition. Betz G, et al.
Steroids 21:785-800, Jun 73

BIOSYNTHESIS

Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al.
Arch Biochem Biophys 153:495-501, Dec 72

BLOOD

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)

METABOLISM

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al.
Acta Endocrinol (Kbh) 73:146-70, May 73
Properties of antisera to progesterone and to 17-hydroxy-progesterone elicited by immunization with the steroids attached to protein through position 7. Bauminger S, et al. Steroids 21:947-56, Jun 73

PHARMACODYNAMICS

The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73
Human prostatic dehydroepiandrosterone sulfate sulfatase. Farnsworth WE. Steroids 21:647-64, May 73

SECRETION

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73

LYNESTRENOL

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73
[Personal experiences with Anacyclin] Vrobel T, et al.
Cesk Gynekol 38:234-5, May 73 (Cze)

THERAPEUTIC USE

[Treatment of dysfunctional uterine hemorrhages and amenorrheas using a progestagen-estrogen

LIBRARY U. OF I., URBANA-CHAMPAIGN

LYNESTRENOL

combination] Brehm H, et al.
Med Monatsschr 26:577-9, Dec 72 (Ger)

MEDROXYPROGESTERONE

ADMINISTRATION & DOSAGE

A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. Clin Endocrinol (Oxf) 1:181-7, Apr 72

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73

THERAPEUTIC USE

A trial of medroxyprogesterone acetate in acromegaly. Rake JS, et al. Clin Endocrinol (Oxf) 1:181-7, Apr 72
The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73
[Role of medroxyprogesterone acetate (MPA) on the blood level of STH in 12 patients with acromegaly] Liuzzi A, et al.
Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Gestagens and uterine neoplasms] Ravina JH.
Nouv Presse Med 2:1665-6, 16 Jun 73 (Fre)

MEGESTROL

Daily megestrol acetate for fertility control: a clinical study. Casavilla F, et al.
Contraception 6:361-72, Nov 72

ADMINISTRATION & DOSAGE

The effect of megestrol acetate on sickling. Adadevoh BK, et al. Am J Med Sci 265:367-70, May 73
[Temporary sterilization of heifers with gestagens. II] Arbeiter K, et al.
Wien Tieraerztl Monatsschr 60:124-7, Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Daily megestrol acetate for fertility control: a clinical study. Casavilla F, et al.
Contraception 6:361-72, Nov 72
[Personal experiences with Minitrol] Houdek J, et al.
Cesk Gynekol 38:236-7, May 73 (Cze)

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The effect of megestrol acetate on sickling. Adadevoh BK, et al. Am J Med Sci 265:367-70, May 73
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
[Personal experiences with Minitrol] Houdek J, et al.
Cesk Gynekol 38:236-7, May 73 (Cze)
[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al.
Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

The effect of megestrol acetate on sickling. Adadevoh BK, et al. Am J Med Sci 265:367-70, May 73
New drugs in the treatment of sickle cell anemia. Freedman ML.
Am J Med Sci 265:371-3, May 73 (21 ref.)
New drugs of 1972. Hussar DA.
Am J Pharm 145:5-16, Jan 73

MESTRANOL

Influence of natural and synthetic estrogens on the course of autoimmune disease in the NZB-NZW mouse. Walker SE, et al.
Arthritis Rheum 16:231-9, Mar-Apr 73
Contraceptive steroids and hypertension: an experimental model. Stier FM, et al.
Proc Soc Exp Biol Med 143:561-4, Jun 73

ADMINISTRATION & DOSAGE

Effect of herpesvirus type 2 and hormonal imbalance on the uterine cervix of the mouse. Muñoz N.
Cancer Res 33:1504-8, Jun 73

ADVERSE EFFECTS

Cerebral arterial occlusive disease with telangiectasia associated with oral contraceptives. Okawara SH, et al. Arch Neurol 29:60-2, Jul 73

ANALYSIS

The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. Horm Metab Res 5:101-5, Mar 73
[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

METABOLISM

Effect of clotrimazol treatment on the demethylation of mestranol. Bolt HM, et al.
Horm Metab Res 5:234, May 73
The fate of mestranol (17 -ethynylestradiol-3-methyl ether) in the isolated perfused rat liver. Bolt HM, et al. Horm Metab Res 5:101-5, Mar 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73

PHARMACODYNAMICS

Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73
In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. Can J Biochem 51:735-40, Jun 73
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
Plasma-aldosterone during oral-contraceptive therapy. Beckerhoff R, et al. Lancet 1:1218-9, 2 Jun 73
[Personal experiences with Anacyclin] Vrobel T, et al.
Cesk Gynekol 38:234-5, May 73 (Cze)
[Effect of estrogen-gestagen drug combinations on carbohydrate and lipid metabolism. I. Effect of Ovosiston] Göretzlehner G, et al.
Zentralbl Gynaekol 95:529-36, 20 Apr 73 (Ger)
[Change in the gonadotropic function in rats during the use of the new Soviet contraceptive megestranol] Poskalenko AN, et al.
Probl Endokrinol (Mosk) 19:87-93, Mar-Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Treatment of dysfunctional uterine hemorrhages and amenorrheas using a progestagen-estrogen combination] Brehm H, et al.
Med Monatsschr 26:577-9, Dec 72 (Ger)

METHANDROSTENOLONE

PHARMACODYNAMICS

Clinical-pharmacological investigation of the nitrogen-retaining effect of nandrolone cyclotate.

Wayjen RG van, et al.
Acta Endocrinol (Kbh) 73:171-8, May 73

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf) 1:91-7, Jan 72**

THERAPEUTIC USE

The effect of methandrostenolone on pituitary growth hormone secretion in prepubertal children. Laron Z, et al. **Clin Endocrinol (Oxf) 1:91-7, Jan 72**

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

The role of androgens in the parental behaviour of the blue gourami, Trichogaster trichopterus (Pisces, Belontiidae). Kramer DL.
Anim Behav 20:798-807, Nov 72

[Therapy of fertility disorders in man using vitamin E and methyltestosterone] Barták V.
Z Haut Geschlechtskr 47:919-24, 15 Nov 72 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 1:934, 28 Apr 73

PHARMACODYNAMICS

The role of androgens in the parental behaviour of the blue gourami, Trichogaster trichopterus (Pisces, Belontiidae). Kramer DL.
Anim Behav 20:798-807, Nov 72

[Modification of spermiogenesis by testosterone] Vojkovský P.
Cesk Gynekol 38:232-3, May 73 (Eng. Abstr.) (Cze)

THERAPEUTIC USE

The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73

[Modification of spermiogenesis by testosterone] Vojkovský P.
Cesk Gynekol 38:232-3, May 73 (Eng. Abstr.) (Cze)

[Therapy of fertility disorders in man using vitamin E and methyltestosterone] Barták V.
Z Haut Geschlechtskr 47:919-24, 15 Nov 72 (Eng. Abstr.) (Ger)

[Pathogenetic therapy of dyshormonal hyperplasia of the male breasts] Sidorenko LN, et al.
Vopr Onkol 18:27-31, 1972 (Eng. Abstr.) (Rus)

NANDROLONE

ADMINISTRATION & DOSAGE

Clinical-pharmacological investigation of the nitrogen-retaining effect of nandrolone cyclotate. Wayjen RG van, et al.
Acta Endocrinol (Kbh) 73:171-8, May 73

Cyclophosphamide and nandrolone decanoate in the treatment of advanced carcinoma of the breast--results of a comparative controlled trial of the agents used singly and in combination. Cole MP, et al.
Br J Cancer 27:396-9, May 73

ADVERSE EFFECTS

[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

ANALYSIS

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate. Roushdi IM, et al. **Pharmazie 28:41-2, Jan 73**

METABOLISM

Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)

PHARMACODYNAMICS

Clinical-pharmacological investigation of the nitrogen-retaining effect of nandrolone cyclotate. Wayjen RG van, et al.
Acta Endocrinol (Kbh) 73:171-8, May 73

Effect of the somatotropic hormone, insulin and durabolin on postadjuvant polyarthritis in rats. Roszkowski-Slić W. **Acta Physiol Pol 24:371-6, 1973**

Pharmacological and toxicological properties of 19-nortestosterone-homofarnesta (DA 1979), a new anabolic agent. Coppi G, et al.
Arzneim Forsch 23:693-700, May 73

19-Nortestosterone decanoate induced erythropoiesis in the actinomycin-D-treated hyperoxic mouse. Hait WN, et al.
Biochem Biophys Res Commun 47:426-31, 28 Apr 72

THERAPEUTIC USE

A trial comparing two corticoid preparations for the treatment of eczematous skin disorders. Aussems J, et al. **Arzneim Forsch 22:2075-8, Dec 72**

Cyclophosphamide and nandrolone decanoate in the treatment of advanced carcinoma of the breast--results of a comparative controlled trial of the agents used singly and in combination. Cole MP, et al.
Br J Cancer 27:396-9, May 73

Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Engelsman E, et al.
Br Med J 2:750-2, 30 Jun 73

The role of androgens and anabolic steroids in the treatment of cancer. Brodsky I.
Semin Drug Treat 3:15-25, Summer 73

[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

TOXICITY

Pharmacological and toxicological properties of 19-nortestosterone-homofarnesta (DA 1979), a new anabolic agent. Coppi G, et al.
Arzneim Forsch 23:693-700, May 73

NORETHANDROLONE

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 1:934, 28 Apr 73

PHARMACODYNAMICS

[Effect of growth hormone, norethandrolone, prolactin and the combination of 2 or 3 of these substances on the nitrogen balance in rats. Research on a summation effect] Elsair J, et al.
J Physiol (Paris) 65:Suppl 3:399A, 1972 (Fre)

[Effects of growth hormone, norethandrolone and of a combination of the 2, on oxygen consumption of liver homogenates in rats] Elsair J, et al.
J Physiol (Paris) 65:Suppl 3:400A, 1972 (Fre)

NORETHINDRONE

Metabolic studies in women taking norethindrone for 6 months' time (measurements of blood glucose, insulin, and triglyceride concentrations). Spellacy WN, et al. **Fertil Steril 24:419-25, Jun 73**

Norethindrone--the "minipill".
Med Lett Drugs Ther 15:45-6, 25 May 73

ADMINISTRATION & DOSAGE

Metabolic studies in women taking norethindrone for 6 months' time (measurements of blood glucose, insulin, and triglyceride concentrations). Spellacy WN, et al. **Fertil Steril 24:419-25, Jun 73**

Serum LH concentration in women under contraceptive treatment with estrogen-free progestagens. Garmendia F, et al.
Horm Metab Res 5:134-8, Mar 73

ADVERSE EFFECTS

Intracranial venous thrombosis complicating oral

LIBRARY U. OF I., URBANA-CHAMPAIGN

contraception: treatment by anticoagulant drugs.
Fairburn B. Br Med J 2:647, 16 Jun 73
Norethindrone--the "minipill".
Med Lett Drugs Ther 15:45-6, 25 May 73

ANALYSIS

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate.
Roushdi IM, et al. Pharmazie 28:41-2, Jan 73
[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Serum LH concentration in women under contraceptive treatment with estrogen-free progestagens. Garmendia F, et al.
Horm Metab Res 5:134-8, Mar 73
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
Effect of ovarian hormones and synthetic progestins on vaginal sialic acid in the rat. Galletti F, et al.
J Endocrinol 57:193-8, May 73
Plasma-aldosterone during oral-contraceptive therapy.
Beckerhoff R, et al. Lancet 1:1218-9, 2 Jun 73

THERAPEUTIC USE

The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73

NORETHYNODREL

Contraceptive steroids and hypertension: an experimental model. Stier FM, et al.
Proc Soc Exp Biol Med 143:561-4, Jun 73

ADMINISTRATION & DOSAGE

Effect of herpesvirus type 2 and hormonal imbalance on the uterine cervix of the mouse. Muñoz N.
Cancer Res 33:1504-8, Jun 73

ANALYSIS

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate.
Roushdi IM, et al. Pharmazie 28:41-2, Jan 73

PHARMACODYNAMICS

Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73

NORGESTREL

ADMINISTRATION & DOSAGE

[Activity of the serum enzymes SGOT, SGPT, LDH and LAP in normal control subjects, during administration of oral contraceptives and in normal pregnancy] Hähn N, et al.
Zentralbl Gynaekol 95:546-51, 20 Apr 73 (Ger)
[Control of fertility with microdoses of D'norgestrel] Ruiz Velasco V, et al.
Ginecol Obstet Mex 33:441-9, May 73 (Spa)

ADVERSE EFFECTS

[Late cutaneous porphyria revealed by estrogen administration. Therapeutic effect of A.M.P] Gajdos A, et al.
Nouv Presse Med 2:1131-3, 28 Apr 73 (Eng. Abstr.) (Fre)
[Changes in the gingiva during therapy with contraceptive hormones] Zaun H.
Med Klin 68:720, 25 May 73 (Ger)
[Control of fertility with microdoses of D'norgestrel] Ruiz Velasco V, et al.
Ginecol Obstet Mex 33:441-9, May 73 (Spa)

ANALYSIS

[Studies on the problem of solubility and stability of steroid ovulation inhibitors in water, waste water and activated sludge] Norpoth K, et al.
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Eng. Abstr.) (Ger)

METABOLISM

Urinary metabolites of DL-norgestrel in women.
Sisenwine SP, et al.
Acta Endocrinol (Kbh) 73:91-104, May 73

PHARMACODYNAMICS

Effects of oral contraceptives on anions and cations of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73
Metabolic effects of oral contraceptives. Briggs MH, et al.
Br Med J 2:776, 30 Jun 73
Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al.
Experientia 29:278-80, 15 Mar 73
Serum LH concentration in women under contraceptive treatment with estrogen-free progestagens. Garmendia F, et al.
Horm Metab Res 5:134-8, Mar 73
[Effects of partial components of a contraceptive agent on the function of the menstrual cycle] Schneider W, et al. Med Klin 68:510-5, 20 Apr 73 (Eng. Abstr.) (Ger)
[Effects of a contraceptive agent on the function of the peripheral and central menstrual cycle] Spona J, et al.
Med Klin 68:505-9, 20 Apr 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Changes in the gingiva during therapy with contraceptive hormones] Zaun H.
Med Klin 68:720, 25 May 73 (Ger)

OXANDROLONE

ADMINISTRATION & DOSAGE

Triglyceride removal efficiency and lipoprotein lipases: effects of Oxandrolone. Glueck CJ, et al.
Metabolism 22:807-14, Jun 73
[Effect of oxandrolone on the serum lipids in type IV and IIb hyperlipidemia] Zorrilla E, et al.
Arch Inst Cardiol Mex 43:270-8, Mar-Apr 73 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Triglyceride removal efficiency and lipoprotein lipases: effects of Oxandrolone. Glueck CJ, et al.
Metabolism 22:807-14, Jun 73

THERAPEUTIC USE

[Effect of oxandrolone on the serum lipids in type IV and IIb hyperlipidemia] Zorrilla E, et al.
Arch Inst Cardiol Mex 43:270-8, Mar-Apr 73 (Eng. Abstr.) (Spa)

OXYMETHOLONE

ADVERSE EFFECTS

[Experiences in therapy of aplastic anemias using oxymetholone] Michlmayr G, et al.
Dtsch Med Wochenschr 98:1026-8 passim, 18 May 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

[Experiences in therapy of aplastic anemias using oxymetholone] Michlmayr G, et al.
Dtsch Med Wochenschr 98:1026-8 passim, 18 May 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Experiences in therapy of aplastic anemias using oxymetholone] Michlmayr G, et al.
Dtsch Med Wochenschr 98:1026-8 passim, 18 May 73 (Eng. Abstr.) (Ger)

PREGNANEDIOL

METABOLISM

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

PHARMACODYNAMICS

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT.
Biochemistry 12:2221-30, 5 Jun 73

URINE

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73
Unusual responses of infertile women to human gonadotropins. Crooke AC, et al.
Am J Obstet Gynecol 116:706-10, 1 Jul 73
Collection and preservation of a 24-h pregnancy urine, for the gas-chromatographic determination of pregnanediol and oestriol. Alink HR.
Clin Chim Acta 45:195, 30 Apr 73
Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. Clin Chim Acta 45:9-18, 19 Apr 73
Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al.
Clin Endocrinol (Oxf) 1:265-73, Jul 72
Excretion of 6-oxygenated metabolites of progesterone and pregnanediol during pregnancy. James F, et al.
Clin Endocrinol (Oxf) 1:73-9, Jan 72
The effect of intrauterine contraceptive devices on ovarian and menstrual function in the human. Martin PM, et al. J Clin Endocrinol Metab 36:1125-31, Jun 73
Results of treatments of infertile women with defective luteal phases by human menopausal gonadotrophin and human chorionic gonadotrophin. Cooke ID. J Reprod Fertil 33:355, May 73
Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73
Urinary steroid profile in vitamin-E-deficient rats. Pinelli A, et al. Pharmacology 9:201-3, 1973
[Postpartal continuous administration of ethinodiol diacetate as a contraceptive agent] Friedrich F, et al.
Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Eng. Abstr.) (Ger)
[Etiopathogenesis of the polycystic ovary syndrome] Pelocchino AM, et al.
Minerva Med 64:1530-42, 30 Apr 73 (Eng. Abstr.) (Ita)
[Fractionation of 17-KS and measurement of pregnanediol and pregnanetriol by gas chromatography] Funao T, et al.
Clin Endocrinol (Tokyo) 20:1007-13, Nov 72 (Jap)
[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
[FSH and steroid hormone excretion in breast cancer during chemotherapy] Sokolova VD, et al.
Vopr Onkol 18:19-22, 1972 (Rus)
[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al.
Ginecol Obstet (Lima) 33:301-11, Mar 73 (Eng. Abstr.) (Spa)

PREGNANES

Anaesthesia in the dog and cat. Massey GM.
Aust Vet J 49:207-10, Apr 73
Changes in arterial oxygen tension during one-lung anaesthesia. Thomson DF, et al.
Br J Anaesth 45:611-6, Jun 73
19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17
-hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. Shapiro EL, et al.
J Med Chem 16:649-54, Jun 73
Wilforine. Farnsworth NR. J Pharm Sci 62:1028, Jun 73
Use of CT1341 anaesthetic ("Saffan") in monkeys. Box PG, et al. Lab Anim 7:161-70, May 73
Evaluation of Althesin (CT 1341) as an intravenous induction agent. Ungerer MJ, et al.
S Afr Med J 47:783-6, 12 May 73
[Experiences with the new steroid anaesthetic CT 1341] Hempelmann G, et al.
Anaesthesist 22:142-6, Apr 73 (Eng. Abstr.) (Ger)
[Experiments on the influence of metabolites and antimetabolites on the model of Trichomonas vaginalis. XI. Experiments with desthiobiotin, pregnandion, heparin and organic substances] Christow CP.
Zentralbl Bakteriol [Orig A] 219:394-406, Mar 72 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

An intravenous method of anaesthesia of Caesarean section. 3. Althesin. Downing JW, et al.
Br J Anaesth 45:381-7, Apr 73
Some respiratory effects of althesin. Hall GM, et al.
Br J Anaesth 45:629-32, Jun 73
Central nervous system effects of althesin (CT 1341): a new steroid anaesthetic agent. Kavan EM, et al.
Can Anaesth Soc J 20:528-38, Jul 73
Use of CT1341 anaesthetic ("Saffan") in monkeys. Box PG, et al. Lab Anim 7:161-70, May 73
Evaluation of Althesin (CT 1341) as an intravenous induction agent. Ungerer MJ, et al.
S Afr Med J 47:783-6, 12 May 73

ADVERSE EFFECTS

Bronchospasm following althesin anesthesia. Austin TR, et al. Br Med J 2:661, 16 Jun 73
Bronchospasm following althesin anaesthesia.
Br Med J 2:775, 30 Jun 73
CT 1341 and cat anaesthesia. Edmonds MJ.
Vet Rec 92:243-4, 3 Mar 73

CHEMICAL SYNTHESIS

Acetylenic bond participation in biogenetic-like olefinic cyclizations in nitroalkane solvents. Synthesis of the 17-hydroxy-5 beta-pregnan-20-one system. Morton DR, et al. J Am Chem Soc 95:4417-8, 27 Jun 73

METABOLISM

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD.
Endocrinology 93:172-81, Jul 73

PHARMACODYNAMICS

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al.
Acta Endocrinol (Kbh) 73:146-70, May 73
The cardiorespiratory effects of Althesin and ketamine. A comparison. Savege TM, et al.
Anaesthesia 28:391-9, Jul 73
Some respiratory effects of althesin. Hall GM, et al.
Br J Anaesth 45:629-32, Jun 73
Influence of subnarcotic doses of Althesin (CT1341) on pain induced by two types of pain stimulus. Morgan M, et al. Br J Anaesth 45:481-5, May 73
Central nervous system effects of althesin (CT 1341): a new steroid anaesthetic agent. Kavan EM, et al.
Can Anaesth Soc J 20:528-38, Jul 73
Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD.
Endocrinology 93:172-81, Jul 73
Evaluation of Althesin (CT 1341) as an intravenous induction agent. Ungerer MJ, et al.
S Afr Med J 47:783-6, 12 May 73
Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al.
Steroids 21:703-22, May 73
The effect of CT 1341, a new steroid anesthetic, on the isolated heart muscle. Iwatsuki N.
Tohoku J Exp Med 109:69-75, Jan 73
[Synthetic substances with digitalic activity] Kroneberg HG.
Actual Pharmacol (Paris) 25:157-77, 1972 (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

PREGNANES

URINE

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al. **Clin Endocrinol (Oxf)** 1:369-85, Oct 72

PREGNENES

The steric course with respect to the reduced nicotinamide-adenine dinucleotide of the reduction of 3-oxo steroids catalysed by cortisone reductase. Gibb W, et al. **Eur J Biochem** 34:395-400, Apr 73

Oxidation of 21-dehydrocorticosteroids to steroidal 20-oxo-21-oic acids by ketoaldehyde dehydrogenase of sheep liver. Monder C, et al. **J Steroid Biochem** 4:153-62, Mar 73

ANALYSIS

Diphasic titration of some keto-steroid hormones. Ethisterone, norethisterone, norethynodrel, methandienone, and nandrolone phenyl propionate. Roushdi IM, et al. **Pharmazie** 28:41-2, Jan 73

CHEMICAL SYNTHESIS

Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. **J Med Chem** 16:647-9, Jun 73

Steroids and related products. 39. The functionalization of the 17-methyl group of 17 -methyl steroids. II. The synthesis of 12 ,17 1 -epoxy-17 -methylprogesterone and of 20-oxygenated 17 -hydroxymethyl steroids. Engel CR, et al. **Steroids** 21:857-75, Jun 73

PHARMACODYNAMICS

Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. **J Med Chem** 16:647-9, Jun 73

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids** 21:703-22, May 73

[Synthetic substances with digitalic activity] Kroneberg HG. **Actual Pharmacol (Paris)** 25:157-77, 1972 **(Fre)**

URINE

Urinary metabolites of DL-norgestrel in women. Sisenwine SP, et al. **Acta Endocrinol (Kbh)** 73:91-104, May 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al. **Clin Endocrinol (Oxf)** 1:369-85, Oct 72

PREGNENOLONE

Cytochrome P-450 as a microsomal peroxidase in steroid hydroperoxide reduction. Hrycay EC, et al. **Arch Biochem Biophys** 153:480-94, Dec 72

Affinity labeling of the active sites of delta 5 -ketosteroid isomerase using photoexcited natural ligands. Martyr RJ, et al. **Biochemistry** 12:2172-8, 22 May 73

Histochemical localization of 3 - and 17 -hydroxysteroid dehydrogenases in the male reprodutive tract of the domestic fowl (Gallus domesticus). Tingari MD. **Histochem J** 5:57-65, Jan 73

Synthesis of 3 -acetoxy-24-norchola-5,20(22)-dien-23-al. A new intermediate for an improved synthesis of (24-14 C)-cholesterol. Colonna AO, et al. **J Steroid Biochem** 4:171-9, Mar 73

[New radioisotopic assay of 17 alpha steroid hydroxylase] Krémers P. **C R Acad Sci [D] (Paris)** 276:1021-4, 5 Feb 73 **(Fre)**

ANALYSIS

Side chain cleavage activity for the bound cholesterol of P450 from bovine adrenocortical mitochondria. Ando N. **J Biochem (Tokyo)** 73:459-61, Feb 73

Subcellular distribution of steroids in the adrenal gland. Holzbauer M, et al. **Nature [New Biol]** 242:117-9, 28 Mar 73

BLOOD

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. Abraham GE, et al. **J Clin Endocrinol Metab** 37:140-4, Jul 73

Radioimmunoassay of plasma pregnenolone. Abraham GE, et al. **J Clin Endocrinol Metab** 37:40-5, Jul 73

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-5, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

METABOLISM

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al. **Acta Endocrinol (Kbh)** 73:146-70, May 73

Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al. **Arch Biochem Biophys** 153:495-501, Dec 72

Testosterone in the fetal rat testis. Warren DW, et al. **Biol Reprod** 8:560-5, Jun 73

The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex. Lupo Di Prisco C, et al. **Comp Biochem Physiol [B]** 44:567-75, 15 Feb 73

Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. **Endocrinology** 93:81-7, Jul 73

Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor. De Nicola AF, et al. **J Steroid Biochem** 4:205-15, Mar 73

In vitro testosterone production from endogenous precursors by the seminiferous tubules and interstitium of the human testis. Bell JB. **Steroids Lipids Res** 3:315-20, 1972

[Several steroid derivatives in breast tumors. Histo-enzymological study] Babin P, et al. **Nouv Presse Med** 2:1519, 2 Jun 73 **(Fre)**

PHARMACODYNAMICS

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. **Endocrinology** 93:119-26, Jul 73

SECRETION

[Depression of pregnenolone and corticosteroid secretion in dogs under the action of o,p'-DDD] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-5, Mar-Apr 73 **(Eng. Abstr.) (Rus)**

PROGESTATIONAL HORMONES

Studies on pregnancy-associated globulin. Horne CH, et al. **Clin Exp Immunol** 13:603-11, Apr 73

ADMINISTRATION & DOSAGE

[Genital hormone therapy in women with genital activity] Blanc PM. **J Med Lyon** 53:1651-3, 5 Dec 72 **(Fre)**

ADVERSE EFFECTS

Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. **Lancet** 1:899-904, 28 Apr 73

Birth defects and oral contraceptives. Nora JJ, et al. **Lancet** 1:941-2, 28 Apr 73

[Vascular and gynecological consequences of estroprogestatives] Chabrier J, et al. **Phlebologie** 25:251-4, Jul-Sep 72 (Eng. Abstr.) **(Fre)**

[Prevention of vascular disorders during administration of estroprogestative contraceptives with a medication containing extracts of Ginkgo biloba] Grasset J, et al. **Phlebologie** 25:269-72, Jul-Sep 72 **(Fre)**

[Results of an enquiry into synthetic estroprogestatives and their effects on veins] Molen HR van der, et al. **Phlebologie** 25:237-42, Jul-Sep 72 (Eng. Abstr.) **(Fre)**

[Synthetic estroprogestatives and phlebology. Introduction] Muller P.
Phlebologie 25:223-6, Jul-Sep 72 (Fre)
[Venous complications caused by estroprogestative treatment at the Strasbourg University Maternity Hospital] Muller P, et al.
Phlebologie 25:256-7, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Synthetic estroprogestatives and circulatory disorders] Reinharez D.
Phlebologie 25:243-50, Jul-Sep 72 (Eng. Abstr.) (Fre)
[Vascular disorders and synthetic estroprogestatives] Servelle M, et al.
Phlebologie 25:259-61, Jul-Sep 72 (Eng. Abstr.) (Fre)
[The outcome of an enquiry into synthetic estroprogestatives and their effects on venous circulation] Wallois P, et al.
Phlebologie 25:227-35, Jul-Sep 72 (Eng. Abstr.) (Fre)

CHEMICAL SYNTHESIS

Synthesis of 2',2'-difluoro-6,7-dihydro-16-methylenecyclopropa(6,7)progesterone analogues. Carpio H, et al. **J Chem Soc [Perkin I] 3:227-30, 1973**
Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. **J Med Chem 16:647-9, Jun 73**

PHARMACODYNAMICS

Effects of a progestational oral contraceptive on lipids and lipases. Glueck CJ, et al.
Am J Obstet Gynecol 116:689-93, 1 Jul 73
Effect of ovarian hormones and synthetic progestins on vaginal sialic acid in the rat. Galletti F, et al.
J Endocrinol 57:193-8, May 73
Preparation of 17 -acetoxy-7-oxaprogesterone. LeMahieu RA, et al. **J Med Chem 16:647-9, Jun 73**
19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17 -hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. Shapiro EL, et al.
J Med Chem 16:649-54, Jun 73
Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil 33:231-7, May 73**

SECRETION

Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al.
J Reprod Fertil 33:519-22, Jun 73

THERAPEUTIC USE

Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Am J Obstet Gynecol 116:551-6, 15 Jun 73
Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73
Adjuvant therapy for adenocarcinoma of the kidney: present position and prospects. Bloom HJ.
Br J Urol 45:237-57, Jun 73 (105 ref.)
[Testicular feminization syndrome. Clinical case report] Basile F.
Minerva Ginecol 25:187-91, Apr 73 (Eng. Abstr.) (Ita)
[Therapy of metastatic mammary carcinoma with cyclophosphamide, methotrex ate, vincristine and fluorouracil] De Lena M, et al.
Tumori 59:11-24, Jan-Feb 73 (Eng. Abstr.) (Ita)

PROGESTERONE

Cytochrome P-450 as a microsomal peroxidase in steroid hydroperoxide reduction. Hrycay EC, et al.
Arch Biochem Biophys 153:480-94, Dec 72
Autoimmune progesterone dermatitis of pregnancy. Bierman SM. **Arch Dermatol 107:896-901, Jun 73**
Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al.
Australas Radiol 22:1718-21, Oct 72
Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. Brand A, et al.
J Reprod Fertil 33:431-9, Jun 73
Renin in heart muscle and arterial tissue. Ganten D, et al. **Verh Dtsch Ges Kreislaufforsch 38:268-72, 1972**
[New radioisotopic assay of 17 alpha steroid hydroxylase] Krémers P.
C R Acad Sci [D] (Paris) 276:1021-4, 5 Feb 73 (Fre)

ADMINISTRATION & DOSAGE

Ram-seeking activity associated with oestrous behaviour in ewes. Lindsay DR, et al.
Anim Behav 20:452-6, Aug 72
The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al.
Anim Behav 20:782-7, Nov 72
Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al.
Anim Behav 20:732-40, Nov 72
Some hormones involved in the nesting behaviour of hens. Wood-Gush DG, et al.
Anim Behav 21:98-103, Feb 73
Endocrine control of gland proliferation in the mouse uterus. Finn CA, et al. **Biol Reprod 8:585-8, Jun 73**
Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod 8:435-40, May 73**
Effect of herpesvirus type 2 and hormonal imbalance on the uterine cervix of the mouse. Muñoz N.
Cancer Res 33:1504-8, Jun 73
Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. **J Comp Physiol Psychol 83:388-93, Jun 73**
Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al.
J Dairy Sci 56:738-43, Jun 73
Concentration of progesterone in systemic plasma of goats: effects of various routes of administration. Dhindsa DS, et al. **J Endocrinol 57:247-52, May 73**
Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al.
Neuroendocrinology 12:17-29, 1973
Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al.
Science 181:177-9, 13 Jul 73
[New local therapy of atrophic vaginitis] Lieveaux A.
Gynecol Prat 23:193-5, 1972 (Eng. Abstr.) (Fre)
[Genital hormone therapy in women with genital activity] Blanc PM.
J Med Lyon 53:1651-3, 5 Dec 72 (Fre)

ADVERSE EFFECTS

Hormones and limb-reduction deformities. Janerich DT, et al. **Lancet 2:96-7, 14 Jul 73**
[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)

ANALYSIS

Essential metals in oral contraceptive tablets. Dawson EB, et al. **Am J Obstet Gynecol 116:412-4, 1 Jun 73**
Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod 8:435-40, May 73**
Subcellular distribution of steroids in the adrenal gland. Holzbauer M, et al.
Nature [New Biol] 242:117-9, 28 Mar 73

BIOSYNTHESIS

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73
[Effect of cAMP and of regulator protein on the in vitro action of human chorionic gonadotropin (HCG) on the corpus luteum] Hermier C, et al.
C R Acad Sci [D] (Paris) 275:1415-21, 25 Sep 72 (Fre)

BLOOD

Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term. Effer SB, et al. **Am J Obstet Gynecol 116:643-7, 1 Jul 73**
Evaluation of the prognosis of threatened abortion from the peripheral plasma levels of progesterone, estradiol, and human chorionic gonadotropin. Nygren KG, et al. **Am J Obstet Gynecol 116:916-22, 1 Aug 73**

LIBRARY U. OF I., URBANA-CHAMPAIGN

Therapeutic abortion of early human gestation with vaginal suppositories of prostaglandin (F 2 .). Tredway DR, et al.
Am J Obstet Gynecol 116:795-8, 15 Jul 73

In vivo alterations in the incorporation of (3 H)lysine into the medial preoptic nucleus and specific hypothalamic nuclei during the estrous cycle of the rat. Litteria M. **Brain Res** 55:234-7, 30 May 73

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73

Urinary pregnanediol and pregnanetriol in the salt-losing and nonsalt-losing forms of C-21-hydroxylase deficiency. Hamilton W, et al. **Clin Endocrinol (Oxf)** 1:265-73, Jul 72

Measurement of progesterone in human plasma. Horth CE, et al. **Clin Endocrinol (Oxf)** 1:199-207, Apr 72

The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al.
Comp Biochem Physiol [A] 44:625-9, 1 Feb 73

Plasma progesterone in snakes. Chan SW, et al.
Comp Biochem Physiol [A] 44:631-7, 1 Feb 73

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73

An X-O anomaly and ovarian dysgenesis in a rhesus monkey. Weiss G, et al.
Folia Primatol (Basel) 19:24-7, 1973

Serum progesterone and immuno-reactive insulin levels in the pregnant rat. Sutter-Dub MT, et al.
Horm Metab Res 5:18-21, Jan 73

Effect of cholera entero-exotoxin on reproductive performance in mice. Gasic GJ, et al.
Immunol Commun 1:223-38, 1972

Endocrine physiology of the puerperal sow. Molokwu EC, et al. **J Anim Sci** 36:1158-63, Jun 73

The splanchnic clearance rate of progesterone in patients with cardiac disease. Little B, et al.
J Clin Endocrinol Metab 36:1222-9, Jun 73

The effect of intrauterine contraceptive devices on ovarian and menstrual function in the human. Martin PM, et al. **J Clin Endocrinol Metab** 36:1125-31, Jun 73

Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73

Concentration of progesterone in systemic plasma of goats: effects of various routes of administration. Dhindsa DS, et al. **J Endocrinol** 57:247-52, May 73

Plasma oestradiol, luteinizing hormone and progesterone during the oestrous cycle in the Beagle bitch. Jones GE, et al. **J Endocrinol** 57:331-2, May 73

Current status of standardization of steroid radioimmunoassay. Malvano R, et al.
J Nucl Biol Med 16:90-101, Apr-Jun 72

Changes in voluntary sodium intake during the oestrous cycle of sheep. Michell AR.
J Physiol (Lond) 231:42P-44P, May 73

Plasma oestrogen, progesterone and corticoid concentrations in the pregnant, parturient and lactating sow. Ash RW, et al.
J Reprod Fertil 33:359-60, May 73

Results of treatments of infertile women with defective luteal phases by human menopausal gonadotrophin and human chorionic gonadotrophin. Cooke ID. **J Reprod Fertil** 33:355, May 73

Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil** 33:231-7, May 73

Studies on the endocrinology of parturition in the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:361-2, May 73

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:457-67, Jun 73

Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects. Prasad DS, et al.
J Reprod Fertil 33:519-22, Jun 73

Changes in peripheral plasma progesterone throughout the oestrous cycle of the pony mare. Sharp DC, et al.
J Reprod Fertil 33:535-8, Jun 73

Progesterone concentration in human endometrium. Grundsell H, et al. **Lancet** 1:888, 21 Apr 73

Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al.
Neuroendocrinology 12:86-97, 1973

The fine structure of the lutein cells in the mink (Mustela vison) with special reference to the secretory activity during pregnancy. Moller OM.
Z Zellforsch Mikrosk Anat 138:523-44, 1973

[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Eng. Abstr.) (Ger)

[Gastric adenocarcinoma with trophoblastic differentiation and gonadotrophin production] Rivadeneyra J, et al.
Arch Invest Med (Mex) 3:503-12, 1972 (Spa)

CHEMICAL SYNTHESIS

Direct formation of the steroid nucleus by a nonenzymic biogenetic-like cyclization. Cyclization and proof of structure and configuration of products. McCarry BE, et al. **J Am Chem Soc** 95:4416-7, 27 Jun 73

Synthesis of 2',2'-difluoro-6,7-dihydro-16-methylenecyclopropa(6,7)progesterone analogues. Carpio H, et al. **J Chem Soc [Perkin I]** 3:227-30, 1973

METABOLISM

New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo. Goldman AS, et al.
Acta Endocrinol (Kbh) 73:146-70, May 73

Pregnene 17 -hydroperoxides as possible precursors of the adrenosteroid hormones. Hrycay EC, et al.
Arch Biochem Biophys 153:495-501, Dec 72

Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women. Trybuchowski H. **Clin Chim Acta** 45:9-18, 19 Apr 73

Adrenal steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Huibregtse WH, et al.
Comp Biochem Physiol [B] 44:1051-6, 15 Apr 73

The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex. Lupo Di Prisco C, et al. **Comp Biochem Physiol [B]** 44:567-75, 15 Feb 73

Progesterone and corticosterone binding in rabbit uterine cytosols. Faber LE, et al.
Endocrinology 93:74-80, Jul 73

Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73

Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes. Yamada M, et al. **Endocrinology** 93:81-7, Jul 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al.
J Biol Chem 248:4987-97, 25 Jul 73

The splanchnic clearance rate of progesterone in patients with cardiac disease. Little B, et al.
J Clin Endocrinol Metab 36:1222-9, Jun 73

Binding of progesterone in vitro by the cytoplasmic components of the human myometrium. Batra S.
J Endocrinol 57:561-2, Jun 73

Oestrone metabolism in pregnant and lactating goats. Challis JR, et al. **J Endocrinol** 57:451-7, Jun 73

Steroid hormones and their receptors. Thomas PJ.
J Endocrinol 57:333-59, May 73

Comparative metabolism of 4- 14 C-progesterone in normal and chronically inflamed human gingival tissue. el-Attar TM, et al. **J Periodont Res** 8:79-85, 1973

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al.
J Reprod Fertil 33:457-67, Jun 73

Progesterone concentration in human endometrium. Grundsell H, et al. **Lancet** 1:888, 21 Apr 73

Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)

In vitro testosterone production from endogenous precursors by the seminiferous tubules and interstitium of the human testis. Bell JB.
Steroids Lipids Res 3:315-20, 1972

Properties of antisera to progesterone and to 17-hydroxy-progesterone elicited by immunization

with the steroids attached to protein through position 7. Bauminger S, et al. Steroids 21:947-56, Jun 73
[Early secretion of testosterone by embryonic mouse testis] Weniger J, et al.
C R Acad Sci [D] (Paris) 275:1431-3, 25 Sep 72 (Fre)
[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al.
J Physiol (Paris) 65:Suppl 3:393A, 1972 (Fre)
[Receptors of steroid hormones] Kahl A.
Postepy Biochem 19:171-93, 1973 (Pol)

PHARMACODYNAMICS

Tissue eosinophil leucocytes. II. Electron microscopy and histochemistry of the uterine eosinophil leucocytes in oestrogen-treated spayed rats. Kelényi G, et al. Acta Biol Acad Sci Hung 23:253-67, 1972
The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
Modified hormonal control of enzymatic activity in tumors. Criss WE.
Am J Obstet Gynecol 116:753-9, 15 Jul 73
Ram-seeking activity associated with oestrous behaviour in ewes. Lindsay DR, et al.
Anim Behav 20:452-6, Aug 72
The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al.
Anim Behav 20:782-7, Nov 72
Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al.
Anim Behav 20:732-40, Nov 72
Some hormones involved in the nesting behaviour of hens. Wood-Gush DG, et al.
Anim Behav 21:98-103, Feb 73
Rostral medial forebrain bundle lesions produce decrements in masculine, but not feminine, sexual behavior in spayed female rats. Modianos DT, et al.
Behav Biol 8:629-36, May 73
An in vitro action of androgens on protein synthesis by epididymal tubules maintained in organ culture. Blaquier JA.
Biochem Biophys Res Commun 52:1177-83, 19 Jun 73
Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al.
Biochem Biophys Res Commun 52:64-73, 1 May 73
Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT.
Biochemistry 12:2221-30, 5 Jun 73
Effects of progesterone of the synthesis of ribonucleic acids in the uterus. Miller BG.
Biochim Biophys Acta 299:568-75, 11 Apr 73
Endocrine control of gland proliferation in the mouse uterus. Finn CA, et al. Biol Reprod 8:585-8, Jun 73
Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. Biol Reprod 8:435-40, May 73
The effect of progesterone on the adrenergic receptors of the urethra. Raz S, et al. Br J Urol 45:131-5, Apr 73
The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al.
Comp Biochem Physiol [A] 44:625-9, 1 Feb 73
Plasma LH changes following cortical spreading depression in female rats. Colombo JA, et al.
Endocrinology 93:182-7, Jul 73
Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD.
Endocrinology 93:61-73, Jul 73
Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD.
Endocrinology 93:172-81, Jul 73
Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. Endocrinology 93:119-26, Jul 73
Effect of estrone and progesterone on the nuclear uptake of estradiol by slices of human endometrium. Tseng L, et al. Endocrinology 93:245-8, Jul 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W.
Ergeb Physiol 67:69-168, 1972 (344 ref.)
The effect of sex hormones on the juxtaglomerular index of female mice. Andrews EJ.
Experientia 29:715-6, 15 Jun 73
Crop sac stimulating activity and mammary inhibition produced by a human placental protein. Castillo CE, et al. Horm Metab Res 5:129-33, Mar 73
Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Kissebah AH, et al.
Horm Metab Res 5:184-90, May 73
Effect of cholera entero-exotoxin on reproductive performance in mice. Gasic GJ, et al.
Immunol Commun 1:223-38, 1972
Experimental evaluation of various methods used for prolongation of skin homografts--studies done in rats and rabbits. Gupta RL, et al.
Indian J Med Res 60:1196-204, Aug 72
Antifertility activity of an indigenous plant preparation (ROC-101). 3. Effect on ultrastructure of the rat uterine luminal epithelium. Munshi SR, et al.
Indian J Med Res 60:1791-3, Dec 72
The mechanism of inhibition of luteal function by heterologous antisera. Rao SS, et al.
Indian J Med Res 60:1220-6, Aug 72
Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. J Biol Chem 248:4280-5, 25 Jun 73
Effect of ovarian secretions on female behavioral potentiality in the rat. Gerall AA, et al.
J Comp Physiol Psychol 82:449-65, Mar 73
Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. J Comp Physiol Psychol 83:388-93, Jun 73
Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone. Smith KL, et al.
J Dairy Sci 56:738-43, Jun 73
The effect of progesterone and oestradiol on blastocysts cultured within the lumina of immature mouse uteri. Grant PS.
J Embryol Exp Morphol 29:617-38, Jun 73
Effect of ovarian hormones and synthetic progestins on vaginal sialic acid in the rat. Galletti F, et al.
J Endocrinol 57:193-8, May 73
The inhibition by progesterone of uterine epithelial proliferation in the mouse. Martin L, et al.
J Endocrinol 57:549-54, Jun 73
Sodium salicylate toxicity and pregnancy in mice. Nežádalová E, et al. J Pharm Pharmacol 25:80-1, Jan 73
Autonomic nervous system and oviduct function in the rabbit. I. Hormones and contraction. Howe GR, et al.
J Reprod Fertil 33:425-30, Jun 73
Ovulation, fertility and prenatal mortality in heifers treated with PMSG or porcine FSH. Laster DB.
J Reprod Fertil 33:275-82, May 73
Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. J Reprod Fertil 33:310-3, May 73
The effect of actinomycin D on the attachment reaction of implantation in mice. Pollard RM, et al.
J Reprod Fertil 33:343-5, May 73
Precocious shedding of the zona pellucida in rats treated with progesterone. Wu JT.
J Reprod Fertil 33:331-5, May 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al.
J Steroid Biochem 4:121-8, Mar 73
The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. Kraulis I, et al.
J Steroid Biochem 4:129-37, Mar 73
Progesterone-induced permeability changes in rat liver lysosomes. Badenoch-Jones P, et al.
Nature [New Biol] 242:123-4, 28 Mar 73
Effects of progesterone on uptake and retention of 3 H-testosterone in the neonatal female rate. Heffner LJ, et al. Neuroendocrinology 12:129-41, 1973
Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al.
Neuroendocrinology 12:17-29, 1973
Connective tissue alterations in gingivae of rats treated with estrogen and progesterone. A histologic and autoradiographic study. Lundgren D, et al.
Odontol Revy 24:49-58, 1973
Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. Physiol Behav 10:701-5, Apr 73
The effect of experience and hormones on the initial receptivity in female and male rats. Gerall AA, et al.
Physiol Behav 10:851-4, May 73
Sexual arousal of the female hamster. Noble RG.
Physiol Behav 10:973-5, May 73
Facilitation of the lordosis response of the female

LIBRARY U. OF I., URBANA-CHAMPAIGN

hamster (Mesocricetus auratus). Noble RG. **Physiol Behav 10:663-6, Apr 73**

Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. Ross JW, et al. **Physiol Behav 10:643-6, Mar 73**

Interaction of genotype and exogenous neonatal estrogen: aggression in female mice. Vale JR, et al. **Physiol Behav 10:181-3, Feb 73**

Effects of adrenal glucocorticoids on polyoma virus replication. Morhenn V, et al. **Proc Natl Acad Sci USA 70:1088-9, Apr 73**

Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al. **Science 181:177-9, 13 Jul 73**

[Role of progesterone in carcinogenesis of the vagina, cervix and endometrium in mice] Reboud S, et al. **Ann Anat Pathol (Paris) 17:187-98, Apr-Jun 72 (Eng. Abstr.) (Fre)**

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)**

[New data on the regulation of the estrus cycle by the corpus luteum in guinea pigs] Jesel L. **C R Acad Sci [D] (Paris) 276:565-7, 22 Jan 73 (Fre)**

[Regulation by progesterone of the concentration of its uterine receptors] Thi L, et al. **C R Acad Sci [D] (Paris) 276:2281-4, 9 Apr 73 (Fre)**

[Effect of copper ions on pregnancy in rats and rabbits] Marois M, et al. **C R Soc Biol (Paris) 166:1237-40, 1972 (Fre)**

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al. **J Physiol (Paris) 65:Suppl 3:393A, 1972 (Fre)**

[Effect of ovarian hormones and lactose, alone or combined, on bone disturbances consecutive to ovariectomy] Fontaine N. **J Physiol (Paris) 65:Suppl 3:408A, 1972 (Fre)**

[Action of estroprogestative agents in the quail (Coturnix-Coturnix)] Laugier C, et al. **J Physiol (Paris) 65:Suppl 3:437A, 1972 (Fre)**

[Motor activity of the uterus in the ewe. Electromyographic study] Rousseau JP, et al. **J Physiol (Paris) 65:Suppl 3:493A, 1972 (Fre)**

[Increase in the number of plaques formed by an RNA coliphage by the action of hormonal steroids] Sonea S, et al. **Rev Can Biol 31:321-2, Dec 72 (Eng. Abstr.) (Fre)**

[Various histochemical features of the uterus and placenta of ovariectomized rats following administration of different doses of progesterone and estradiol-dipropionate] Tsitsishvili DR, et al. **Arkh Anat Gistol Embriol 63:92-5, Dec 72 (Eng. Abstr.) (Rus)**

PHYSIOLOGY

'Maternity blues'. Pitt B. **Br J Psychiatry 122:431-3, Apr 73**

Effects of cortical stimulation on estrous behavior in estrogen-primed ovariectomized rats. Ross JW, et al. **Endocrinology 93:20-5, Jul 73**

Serum progesterone and immuno-reactive insulin levels in the pregnant rat. Sutter-Dub MT, et al. **Horm Metab Res 5:18-21, Jan 73**

Diabetes and pregnancy. Tsai A, et al. **J Reprod Med 11:23-8, Jul 73**

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology 12:41-51, 1973**

The control and function of maternal scent marking the Mongolian gerbil. Wallace P, et al. **Physiol Behav 10:463-6, Mar 73**

[New data on the regulation of the estrus cycle by the corpus luteum in guinea pigs] Jesel L. **C R Acad Sci [D] (Paris) 276:565-7, 22 Jan 73 (Fre)**

[Injuries to pelvic joints during pregnancy, labor and puerperium] Gwóźdź A. **Pol Tyg Lek 28:660-2, 30 May 73 (Pol)**

SECRETION

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci 36:1149-57, Jun 73 (75 ref.)**

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab 36:1230-6, Jun 73**

Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al. **J Endocrinol 57:299-305, May 73**

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. **J Reprod Fertil 33:457-67, Jun 73**

Progesterone concentration in human endometrium. Grundsell H, et al. **Lancet 1:888, 21 Apr 73**

The fine structure of the lutein cells in the mink (Mustela vison) with special reference to the secretory activity during pregnancy. Moller OM. **Z Zellforsch Mikrosk Anat 138:523-44, 1973**

THERAPEUTIC USE

New drugs in the treatment of sickle cell anemia. Freedman ML. **Am J Med Sci 265:371-3, May 73 (21 ref.)**

Hypermenorrhea in the young hemodialysis patient. Rice GG. **Am J Obstet Gynecol 116:539-43, 15 Jun 73**

About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Kľačanský T. **Endocrinol Exp (Bratisl) 7:75-9, 1973**

Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al. **J Clin Endocrinol Metab 37:152-5, Jul 73**

Migraine in general practice. Dalton K. **J R Coll Gen Pract 23:97-106, Feb 73**

Hormone replacement therapy for menopausal symptoms. Maddison J. **Lancet 1:1507, 30 Jun 73**

Hypernephroma metastatic to the head and neck. Miyamoto R, et al. **Laryngoscope 83:898-905, Jun 73**

The climacteric. Zussman L. **Proc R Soc Med 66:183-5, Feb 73**

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. **South Med J 66:689-92, Jun 73**

[Comparative evaluation of the treatment of dysfunctional uterine hemorrhages based on data from the Armenian Institute of Obstetrics and Gynecology] Melik-Alaverdian NI, et al. **Zh Eksp Klin Med 12:86-93, 1972 (Arm)**

[Luteinic insufficiency] Dráč P. **Cesk Gynekol 38:217-20, May 73 (Eng. Abstr.) (Cze)**

[New local therapy of atrophic vaginitis] Lieveaux A. **Gynecol Prat 23:193-5, 1972 (Eng. Abstr.) (Fre)**

[Gestagens and uterine neoplasms] Ravina JH. **Nouv Presse Med 2:1665-6, 16 Jun 73 (Fre)**

[The addition of progesterone to radiotherapy in cancer of the endometrium] Tawil E, et al. **Union Med Can 102:83-4, Jan 73 (Eng. Abstr.) (Fre)**

URINE

Excretion of 6-oxygenated metabolites of progesterone and pregnanediol during pregnancy. James F, et al. **Clin Endocrinol (Oxf) 1:73-9, Jan 72**

SEX HORMONES

Steroid hormones and their receptors. Thomas PJ. **J Endocrinol 57:333-59, May 73**

[Hypertrophy of the breast as a postnatal anomaly] Berndorfer A. **Zentralbl Chir 97:1799-800, 16 Dec 72 (Ger)**

ADMINISTRATION & DOSAGE

Some aspects of neurosecretory morphology in various genital states. Rodriguez RV. **Acta Anat (Basel) 85:88-95, 1973**

[Turner's syndrome. Report of statistics concerning 60 cases] Rosenberg D, et al. **Pediatrie 27:831-50, Dec 72 (Fre)**

ANALYSIS

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)**

BLOOD

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol 35:357-90, 1973 (175 ref.)**

Physiology and pharmacology of female reproduction

under the aspect of fertility control. Elger W. Ergeb Physiol 67:69-168, 1972 (344 ref.)

PHARMACODYNAMICS

Modified hormonal control of enzymatic activity in tumors. Criss WE. Am J Obstet Gynecol 116:753-9, 15 Jul 73
Effects of sex hormones on cognitive style in rats and men. Dawson JL. Behav Genet 2:21-42, Mar 72
Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Briggs MH, et al. Experientia 29:278-80, 15 Mar 73
Mammary tumor regression. V. Role of acid ribonuclease and cathepsin. Cho-Chung YS, et al. J Biol Chem 248:4743-9, 10 Jul 73
Mammary tumor regression. VI. Synthesis and degradation of acid ribonuclease. Cho-Chung YS, et al. J Biol Chem 248:4750-5, 10 Jul 73
Urinary excretion of catecholamines; modifications with triiodothyronine and sexual hormones. Domiñguez AE, et al. Medicina (B Aires) 32:619-24, Nov-Dec 72

PHYSIOLOGY

A non-endocrine control of sebum secretion. Archibald A, et al. Arch Dermatol Forsch 246:175-80, 1973
'Psychopathia Sexualis'. Johnson J. Br J Psychiatry 122:211-8, Feb 73
Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W. Ergeb Physiol 67:69-168, 1972 (344 ref.)
Epidemiology of slipped capital femoral epiphysis: a review of the literature. Kelsey JL. Pediatrics 51:1042-50, Jun 73
[Plasma lipoprotein biosynthesis and regulation] Infante R. Expos Annu Biochim Med 31:55-90, 1972 (209 ref.) (Fre)
[Androgenic regulation of hepatic glucose-6-phosphate dehydrogenase and glutathione peroxidase in the rat] Roux JM, et al. J Physiol (Paris) 64:333-42, Dec 72 (Eng. Abstr.) (Fre)
[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al. Endokrynol Pol 24:105-32, 1973 (136 ref.) (Pol)
[Hormonal regulation of early mammalian embryogenesis] Baevskii IuB, et al. Usp Sovrem Biol 75:265-77, Mar-Apr 73 (94 ref.) (Rus)
[Metabolic and humoral correlates of sleep] Vein AM, et al. Usp Sovrem Biol 75:295-313, Mar-Apr 73 (155 ref.) (Rus)

THERAPEUTIC USE

[Comparative evaluation of the treatment of dysfunctional uterine hemorrhages based on data from the Armenian Institute of Obstetrics and Gynecology] Melik-Alaverdian NI, et al. Zh Eksp Klin Med 12:86-93, 1972 (Arm)
[Comparative study of therapeutic response of ulcerated and non-ulcerated breast cancers in Negro women in Senegal] Menyé PA, et al. Bull Soc Med Afr Noire Lang Fr 17:476-80, 1972 (Fre)

URINE

[2 cases of virilizing adrenal cortex tumors in infants] Prevot J, et al. Ann Chir Infant 13:327-38, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Some characteristics of ovarian structure and the level of urinary sex steroid excretion in the green marmoset vervet (Cercopithecus aethiops pygerythrus)] Bronshtein ME, et al. Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Eng. Abstr.) (Rus)

STANOLONE

5 -dihydrotestosterone and the synthesis of RNA in the rat ventral prostate in vitro. II. Studies on the qualitative effect. Alfheim I. Acta Endocrinol (Kbh) 73:189-95, May 73
[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al. Eur J Biochem 35:311-7, Jun 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

The effects of testosterone, 5 -dihydrotestosterone and adenosine 3',5'-monophosphate on cell proliferation and differentiation in rat prostate. Lesser B, et al. Biochim Biophys Acta 308:426-37, 18 May 73

BIOSYNTHESIS

In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. J Steroid Biochem 4:139-51, Mar 73

BLOOD

Serum testosterone and dihydrotestosterone levels following orchiectomy in the adult rat. Coyotupa J, et al. Endocrinology 92:1579-81, Jun 73
[Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al. Rev Fr Endocrinol Clin 13:413-23, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

Intranuclear receptor for androgens in rat epididymis. Blaquier JA, et al. Endocrinology 93:51-60, Jul 73
A high-affinity androgen-binding protein (ABP) in rat testis: evidence for secretion into efferent duct fluid and absorption by epididymis. French FS, et al. Endocrinology 93:88-95, Jul 73
Demonstration and partial characterization of a rabbit serum protein which binds testosterone and dihydrotestosterone. Rosner W, et al. Endocrinology 92:1700-7, Jun 73
Characterization of the specific androgen receptors in the human prostate gland. Mainwaring WI, et al. J Endocrinol 57:371-84, Jun 73
In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. J Steroid Biochem 4:139-51, Mar 73
Autoradiographic studies of labelled 5 -dihydrotestosterone in mice. Appelgren LE. Steroids Lipids Res 3:286-98, 1972
Reduced high affinity 5 -dihydrotestosterone receptor capacity in the ventral prostate of the aging rat. Shain SA, et al. Steroids 21:801-12, Jun 73
[Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al. Rev Fr Endocrinol Clin 13:413-23, Sep-Oct 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Voglmayr JK, et al. Acta Endocrinol (Kbh) 73:196-208, May 73
An in vitro action of androgens on protein synthesis by epididymal tubules maintained in organ culture. Blaquier JA. Biochem Biophys Res Commun 52:1177-83, 19 Jun 73
Stimulation in vitro of prostatic ribonucleic acid polymerase by 5 -dihydrotestosterone-receptor complexes. Davies P, et al. Biochem Biophys Res Commun 53:373-82, 17 Jul 73
The effects of testosterone, 5 -dihydrotestosterone and adenosine 3',5'-monophosphate on cell proliferation and differentiation in rat prostate. Lesser B, et al. Biochim Biophys Acta 308:426-37, 18 May 73
Induction of male sexual behaviour by oestradiol benzoate in combination with dihydrotestosterone. Larsson K, et al. J Endocrinol 57:563-4, Jun 73

THERAPEUTIC USE

[Treatment of secretory male sterility. Gonadotropins? Mesterolone? Arginine? Quid agendum?] Giarola A, et al. Ginecol Prat 23:173-5, 1972 (Fre)

STANOZOLOL

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and

LIBRARY U. OF I., URBANA-CHAMPAIGN

hepatocellular carcinoma. Henderson JT, et al. **Lancet** 1:934, 28 Apr 73

THERAPEUTIC USE

Behçet's syndrome and oral fibrinolytic therapy. Cunliffe WJ, et al. **Br Med J** 2:486-7, 26 May 73

TESTOLACTONE

PHARMACODYNAMICS

Anaerobic glycolysis in spontaneous and transplanted liver tumors of mice. Woods MW, et al. **J Natl Cancer Inst** 50:1497-511, Jun 73

THERAPEUTIC USE

Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Sievers DB, et al. **Arch Surg** 107:43-8, Jul 73

TESTOSTERONE

Affinity labeling of the active sites of delta 5 -ketosteroid isomerase using photoexcited natural ligands. Martyr RJ, et al. **Biochemistry** 12:2172-8, 22 May 73

The avian bursa-independent humoral immune system: serologic and morphologic studies. Bryant BJ, et al. **Eur J Immunol** 3:9-15, Jan 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. **J Biol Chem** 248:4280-5, 25 Jun 73

Binding of progesterone in vitro by the cytoplasmic components of the human myometrium. Batra S. **J Endocrinol** 57:561-2, Jun 73

Effect of testosterone on glutamate-pyruvate-transaminase, glutamate-oxaloacetate-transaminase and glutamate-dehydrogenase in mice kidneys. Schwarzlose W, et al. **Life Sci [II]** 12:107-15, 8 Feb 73

Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin. Goldman AS, et al. **Proc Soc Exp Biol Med** 143:422-6, Jun 73

[Histochemical studies in malpositions of the testis following treatment with human chorionic gonadotropin (HCG) in animal experiment and clinical patient material] Moormann JG. **Ann Univ Sarav [Med]** 19:85-144, 1972 **(Ger)**

[Spontaneous and induced neoplasms in aquarium fish] Khudolef VV. **Usp Sovrem Biol** 74:473-81, Nov-Dec 72 (91 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al. **Acta Endocrinol (Kbh)** 73:11-21, May 73

Changes in search behaviour in male and female chicks, following different doses of testosterone. Andrew RJ. **Anim Behav** 20:741-50, Nov 72

The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al. **Anim Behav** 20:782-7, Nov 72

Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al. **Anim Behav** 20:732-40, Nov 72

The interaction of barbital and testosterone relative to their hypnotic effects. Gessner PK, et al. **Arch Int Pharmacodyn Ther** 201:52-8, Jan 73

Effects of testosterone on immobility responses in the young male chick. Archer J. **Behav Biol** 8:551-6, Apr 73

The effects of testosterone, 5 -dihydrotestosterone and adenosine 3',5'-monophosphate on cell proliferation and differentiation in rat prostate. Lesser B, et al. **Biochim Biophys Acta** 308:426-37, 18 May 73

2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer. Fujimori M. **Cancer** 31:789-92, Apr 73

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL. **J Am Geriatr Soc** 21:271-4, Jun 73

Testosterone treatment for micropenis during early childhood. Guthrie RD, et al. **J Pediatr** 83:247-52, Aug 73

Effects of testosterone treatment in adulthood on sexual behaviour of female pseudohermaphrodite rhesus monkeys. Eaton GG, et al. **Nature [New Biol]** 242:119-20, 28 Mar 73

Further evidence on the intrahypothalamic locus for androgenization of female rats. Nadler RD. **Neuroendocrinology** 12:110-9, 1973

Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al. **Neuroendocrinology** 12:17-29, 1973

Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. Beatty WW. **Physiol Behav** 10:627-8, Mar 73

Sex differences in salt taste: the effect of testosterone. Křeček J. **Physiol Behav** 10:683-8, Apr 73

[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al. **Pediatrie** 27:891-912, Dec 72 **(Fre)**

[Penetration of various labelled steroids into human skin] Zesch A, et al. **Arzneim Forsch** 23:415-9, Mar 73 (Eng. Abstr.) **(Ger)**

[Prevention and therapy of renal anemia] Schulz E, et al. **Dtsch Med Wochenschr** 98:1040-3, 18 May 73 **(Ger)**

[Possible clinical cure in a high percentage of cases of liver cirrhosis with a treatment based on high doses of testosterone and vitamin B 1] Girolami M. **Minerva Med** 64:1567-623, 2 May 73 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. **J Biol Chem** 248:4280-5, 25 Jun 73

The role of androgens and anabolic steroids in the treatment of cancer. Brodsky I. **Semin Drug Treat** 3:15-25, Summer 73

ANALYSIS

Testosterone in the fetal rat testis. Warren DW, et al. **Biol Reprod** 8:560-5, Jun 73

Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. Reyes FI, et al. **J Clin Endocrinol Metab** 37:74-8, Jul 73

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA. **J Embryol Exp Morphol** 29:431-7, Apr 73

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al. **J Physiol (Paris)** 65:Suppl 3:451A+, 1972 **(Fre)**

[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al. **Pediatrie** 27:891-912, Dec 72 **(Fre)**

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN. **Probl Endokrinol (Mosk)** 19:54-7, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

3,5-Dialkyl-4-(phthalimidomethyl)isoxazoles, pyrazoles, and isothiazoles. Novel antiandrogens. Scott JW, et al. **J Med Chem** 16:512-6, May 73

Are some women's breast cancers androgen dependent? Flax H, et al. **Lancet** 1:1204-7, 2 Jun 73

Effects of dieldrin on 5 -dihydrotestosterone binding in the cytosol and nucleus of the rat ventral prostate. Wakeling AE, et al. **Toxicol Appl Pharmacol** 25:267-75, Jun 73

BIOSYNTHESIS

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. **Am J Obstet Gynecol** 116:401-7, 1 Jun 73

Regional variations in endoplasmic reticulum in the vas deferens of normal and vasectomized rats. Flickinger CJ. **Anat Rec** 176:205-23, Jun 73

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al. **Biochim Biophys Acta** 306:227-36, 24 May 73

Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al. **Endocrinology** 93:127-34, Jul 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem** 4:217-26, Mar 73

In vitro testosterone production from endogenous precursors by the seminiferous tubules and interstitium of the human testis. Bell JB. **Steroids Lipids Res** 3:315-20, 1972

Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al. **Steroids** 21:813-32, Jun 73

[Influence of gonadotropic hormones on radioactive testosterone synthesis Na 14C acetate by cultivated embryonic mouse testis in vitro] Pointis G, et al. **C R Acad Sci [D] (Paris)** 275:1449-52, 25 Sep 72 **(Fre)**

[Early secretion of testosterone by embryonic mouse testis] Weniger J, et al. **C R Acad Sci [D] (Paris)** 275:1431-3, 25 Sep 72 **(Fre)**

[Production of testosterone] Knorr D. **Dtsch Med Wochenschr** 98:1087-8, 25 May 73 **(Ger)**

[Male gonadal gland] Ochiai K, et al. **Clin Endocrinol (Tokyo)** 21:27-33, Jan 73 (10 ref.) **(Jap)**

BLOOD

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh)** 73:179-88, May 73

Plasma testosterone content of male patients with Parkinson's disease during L-dopa treatment with or without dopadecarboxylase inhibitor. Pekkarinen A, et al. **Acta Neurol Scand [Suppl]** 51:129-30, 1972

Virilizing adrenal adenoma. Mizutani S, et al. **Am J Surg** 126:114-6, Jul 73

Androgen metabolism in schizophrenics, homosexuals, and normal controls. Tourney G, et al. **Biol Psychiatry** 6:23-36, Feb 73

Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Neaves WB. **Biol Reprod** 8:451-66, May 73

Oestrogen treatment in carcinoma of the prostate. Shearer RJ, et al. **Br Med J** 3:51, 7 Jul 73

Seasonal variation in the plasma testosterone concentration of reindeer and caribou. Whitehead PE, et al. **Can J Zool** 51:651-8, Jun 73

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf)** 1:127-40, Apr 72

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf)** 1:141-7, Apr 72

FSH, LH and testosterone blood level in patients with psychogenic impotence. Legros JJ, et al. **Endocrinol Exp (Bratisl)** 7:59-64, 1973

Serum testosterone and dihydrotestosterone levels following orchiectomy in the adult rat. Coyotupa J, et al. **Endocrinology** 92:1579-81, Jun 73

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al. **Endocrinology** 93:156-61, Jul 73

Diurnal variation in plasma testosterone of the male laboratory rat. Kinson GA, et al. **Horm Metab Res** 5:233-4, May 73

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL. **J Am Geriatr Soc** 21:271-4, Jun 73

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al. **J Clin Endocrinol Metab** 37:129-34, Jul 73

The effects of posture on the metabolism of androstenedione and estrone in males. Flood C, et al. **J Clin Endocrinol Metab** 36:1180-8, Jun 73

Evidence of testicular activity in early infancy. Forest MG, et al. **J Clin Endocrinol Metab** 37:148-51, Jul 73

Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. **J Clin Endocrinol Metab** 36:1132-42, Jun 73

Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. Poortman J, et al. **J Clin Endocrinol Metab** 37:101-9, Jul 73

Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al. **J Clin Endocrinol Metab** 36:1097-9, Jun 73

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab** 37:68-73, Jul 73

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab** 36:1230-6, Jun 73

The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat. Danutra V, et al. **J Endocrinol** 57:207-15, May 73

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. **J Endocrinol** 57:277-84, May 73

Current status of standardization of steroid radioimmunoassay. Malvano R, et al. **J Nucl Biol Med** 16:90-101, Apr-Jun 72

Problems with a radioimmunoassay for testosterone. Tyler JP. **J Reprod Fertil** 33:357-9, May 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem** 4:217-26, Mar 73

Leydig cell function in Klinefelter's syndrome. Stewart-Bentley M, et al. **Metabolism** 22:875-84, Jul 73

Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Hillier SG, et al. **Steroids** 21:735-54, May 73

[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al. **C R Acad Sci [D] (Paris)** 276:1329-32, 19 Feb 73 **(Fre)**

[Treatment of hirsutism and acne. Sequential inverse therapy with anti-androgen-estrogen] Lebeau M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1:715-21, Oct-Nov 72 **(Fre)**

[Variations of androgen secretion between the 9th and 20th day of life in the guinea pig] Moins N, et al. **J Physiol (Paris)** 65:Suppl 3:451A+, 1972 **(Fre)**

[Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al. **Rev Fr Endocrinol Clin** 13:413-23, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Current data on plasmatic androgens] Mahoudeau JA, et al. **Rev Prat** 23:881-91, 21 Feb 73 **(Fre)**

[Production of testosterone] Knorr D. **Dtsch Med Wochenschr** 98:1087-8, 25 May 73 **(Ger)**

[Age and endocrine function of the testes in adult man] Nieschlag E, et al. **Dtsch Med Wochenschr** 98:1281-4, 29 Jun 73 (Eng. Abstr.) **(Ger)**

[Klinefelter's syndrome. Report on 18 cases] Mamelle JC, et al. **Pediatrie** 27:851-70, Dec 72 **(Ger)**

[Hypocholesteremia in idiopathic hirsutism] Noseda G, et al. **Schweiz Med Wochenschr** 103:931-4, 30 Jun 73 (Eng. Abstr.) **(Ger)**

[Gastric adenocarcinoma with trophoblastic differentiation and gonadotrophin production] Rivadeneyra J, et al. **Arch Invest Med (Mex)** 3:503-12, 1972 **(Spa)**

CHEMICAL SYNTHESIS

Acetylenic bond participation in biogenetic-like olefinic cyclizations in nitroalkane solvents. A facile total synthesis of dl-testosterone benzoate. Morton DR, et al. **J Am Chem Soc** 95:4419-20, 27 Jun 73

ISOLATION & PURIFICATION

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al. **Biochim Biophys Acta** 309:227-36, 24 May 73

Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Hillier SG, et al. **Steroids** 21:735-54, May 73

[Early secretion of testosterone by embryonic mouse testis] Weniger J, et al. **C R Acad Sci [D] (Paris)** 275:1431-3, 25 Sep 72 **(Fre)**

METABOLISM

Arrhenoblastoma: in vivo and in vitro studies. Younglai EV, et al. **Am J Obstet Gynecol** 116:401-7, 1 Jun 73

The twin ion technique for detection of metabolites by

LIBRARY U. OF I. URBANA-CHAMPAIGN

gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. **Anal Biochem** 53:64-85, May 73

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. **Biol Reprod** 8:395-9, May 73

Testosterone in the fetal rat testis. Warren DW, et al. **Biol Reprod** 8:560-5, Jun 73

In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations. Lee DK, et al. **Can J Biochem** 51:735-40, Jun 73

The metabolism of androgens in normal human testis and epididymis in vitro. Sulcová J, et al. **Endocrinol Exp (Bratisl)** 7:113-8, 1973

Intranuclear receptor for androgens in rat epididymis. Blaquier JA, et al. **Endocrinology** 93:51-60, Jul 73

A high-affinity androgen-binding protein (ABP) in rat testis: evidence for secretion into efferent duct fluid and absorption by epididymis. French FS, et al. **Endocrinology** 93:88-95, Jul 73

Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats. Kniewald Z, et al. **Endocrinology** 92:1772-5, Jun 73

5 -Reduction of testosterone in vitro by rat seminiferous tubules and whole testes at different stages of development. Matsumoto K, et al. **Endocrinology** 93:253-5, Jul 73

Demonstration and partial characterization of a rabbit serum protein which binds testosterone and dihydrotestosterone. Rosner W, et al. **Endocrinology** 92:1700-7, Jun 73

Sex dependency of steroid retention in rat-liver slices incubated with testosterone. Ghraf R, et al. **Eur J Biochem** 35:57-61, May 73

Diurnal variation in plasma testosterone of the male laboratory rat. Kinson GA, et al. **Horm Metab Res** 5:233-4, May 73

Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. Voigt W, et al. **J Biol Chem** 248:4280-5, 25 Jun 73

Characterization of the specific androgen receptors in the human prostate gland. Mainwaring WI, et al. **J Endocrinol** 57:371-84, Jun 73

Steroid hormones and their receptors. Thomas PJ. **J Endocrinol** 57:333-59, May 73

In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. **J Steroid Biochem** 4:139-51, Mar 73

Metabolism of (3 H)-testosterone by the adrenal of the dog: the action of ACTH. Wassermann GF, et al. **J Steroid Biochem** 4:217-26, Mar 73

Are some women's breast cancers androgen dependent? Flax H, et al. **Lancet** 1:1204-7, 2 Jun 73

Metabolism of androgens by human breast tissue. Miller WR, et al. **Lancet** 1:912-3, 28 Apr 73

Androgens and erythropoiesis. Shahidi NT. **N Engl J Med** 289:72-80, 12 Jul 73 (123 ref.)

Effects of progesterone on uptake and retention of 3 H-testosterone in the neonatal female rate. Heffner LJ, et al. **Neuroendocrinology** 12:129-41, 1973

Testosterone concentration in the male chick brain: an autoradiographic survey. Meyer CC. **Science** 180:1381-3, 29 Jun 73

Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Djoseland O, et al. **Steroids** 21:773-83, Jun 73

Estrogen-binding to pancreas. Kirdani RY, et al. **Surgery** 74:84-90, Jul 73

Effects of dieldrin on 5 -dihydrotestosterone binding in the cytosol and nucleus of the rat ventral prostate. Wakeling AE, et al. **Toxicol Appl Pharmacol** 25:267-75, Jun 73

[Characterization of a testosterone metabolite in the urine of male guinea pigs: 5 beta-androstane-3 alpha-ol 7-17 dione] Henry R, et al. **C R Acad Sci [D] (Paris)** 275:1427-30, 25 Sep 72 **(Fre)**

[Determination of an affinity index of steroids with serum proteins based on a measurement of equilibrium binding] Goertz GR, et al. **Eur J Biochem** 35:311-7, Jun 73 (Eng. Abstr.) **(Fre)**

[Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al. **Rev Fr Endocrinol Clin** 13:413-23, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Penetration of various labelled steroids into human skin] Zesch A, et al. **Arzneim Forsch** 23:415-9, Mar 73 (Eng. Abstr.) **(Ger)**

[Corynebacterium acnes. A definite factor in the complex etiology of acne vulgaris?] Lentze I. **Hautarzt** 24:91-5, Mar 73 (117 ref.) **(Ger)**

[Testosterone metabolism in hypogonadism] Starkova NT, et al. **Probl Endokrinol (Mosk)** 19:37-40, Mar-Apr 73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment. Swerdloff RS, et al. **Acta Endocrinol (Kbh)** 73:11-21, May 73

Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens. Voglmayr JK, et al. **Acta Endocrinol (Kbh)** 73:196-208, May 73

Testosterone and colony stimulating factor. Hara H, et al. **Acta Haematol Jap** 35:575-6, Aug 72

Sex difference and seasonal variations of the serum total lipid and cholesterol levels of normal rabbits. Lózsa A, et al. **Acta Physiol Acad Sci Hung** 42:1-11, 1972

Modified hormonal control of enzymatic activity in tumors. Criss WE. **Am J Obstet Gynecol** 116:753-9, 15 Jul 73

Changes in search behaviour in male and female chicks, following different doses of testosterone. Andrew RJ. **Anim Behav** 20:741-50, Nov 72

The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Payne AP, et al. **Anim Behav** 20:782-7, Nov 72

Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus). Quadagno DM, et al. **Anim Behav** 20:732-40, Nov 72

Effects of early experience and testosterone on song as a reinforcer. Stevenson-Hinde J. **Anim Behav** 20:430-5, Aug 72

Effect of some adrenal steroid hormones on skin fibroblast replication in vitro. Harvey W, et al. **Ann Rheum Dis** 32:272, May 73

The interaction of barbital and testosterone relative to their hypnotic effects. Gessner PK, et al. **Arch Int Pharmacodyn Ther** 201:52-8, Jan 73

Effects of testosterone on immobility responses in the young male chick. Archer J. **Behav Biol** 8:551-6, Apr 73

Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: comparison of four naturally occurring androgens. Luttge WG, et al. **Behav Biol** 8:725-32, Jun 73

Rostral medial forebrain bundle lesions produce decrements in masculine, but not feminine, sexual behavior in spayed female rats. Modianos DT, et al. **Behav Biol** 8:629-36, May 73

Effects of sex hormones on cognitive style in rats and men. Dawson JL. **Behav Genet** 2:21-42, Mar 72

An in vitro action of androgens on protein synthesis by epididymal tubules maintained in organ culture. Blaquier JA. **Biochem Biophys Res Commun** 52:1177-83, 19 Jun 73

Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells. Kapp LN, et al. **Biochem Biophys Res Commun** 52:1206-12, 19 Jun 73

Influence of steroid binding on the tryptic hydrolysis of serum albumin. Ryan MT. **Biochemistry** 12:2221-30, 5 Jun 73

The effects of testosterone, 5 -dihydrotestosterone and adenosine 3',5'-monophosphate on cell proliferation and differentiation in rat prostate. Lesser B, et al. **Biochim Biophys Acta** 308:426-37, 18 May 73

Effects of steroids, folate deprivation and protein deprivation upon tetrahydrofolate dehydrogenase levels in mammalian tissues. Makulu DR, et al. **Biochim Biophys Acta** 304:526-32, 28 Apr 73

On testicular 17 -hydroxysteroid oxidoreductase product activation of testosterone formation from androstenedione in vitro. Oshima H, et al. **Biochim Biophys Acta** 306:227-36, 24 May 73

Maintenance of spermatogenesis in rats with intratesticular implants containing testosterone or dihydrotestosterone (DHT). Ahmad N, et al. **Biol Reprod** 8:411-9, May 73

The distribution of free myo-inositol in fluids, spermatozoa, and tissues of the bull genital tract and observations on its uptake by the rabbit epididymis. Voglmayr JK, et al. **Biol Reprod** 8:504-13, May 73

Effect of testosterone on the formation of erythroid spleen colonies from fetal liver precursor cells. Bleiberg I, et al. **Blood** 41:285-91, Feb 73

The effect of testosterone on the human prostate in organ culture. McRae CU, et al. **Br J Urol** 45:156-62, Apr 73

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res** 54:1-29, 17 May 73

Interaction of estradiol and testosterone in the regulation of growth and development of the chicken (Gallus domesticus) oviduct. Yu JY, et al. **Comp Biochem Physiol [B]** 44:769-77, 15 Mar 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. **Endocrinology** 93:119-26, Jul 73

The effect of sex hormones on the juxtaglomerular index of female mice. Andrews EJ. **Experientia** 29:715-6, 15 Jun 73

Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. **Gen Comp Endocrinol** 20:467-73, Jun 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al. **J Biol Chem** 248:4987-97, 25 Jul 73

Sexual variables and shock-elicited aggression. Milligan WL, et al. **J Comp Physiol Psychol** 83:441-50, Jun 73

Regulatory mechanisms of territorial marking in the Mongolian gerbil. Thiessen DD, et al. **J Comp Physiol Psychol** 82:382-93, Mar 73

Male hormone and thyroid function in the Indian garden lizard, Calotes versicolor. Chandola A, et al. **J Endocrinol** 57:325-6, May 73

The influence of exteroceptive stimuli and pheromonal facilitation of ovulation in different strains of mice. Eleftheriou BE, et al. **J Endocrinol** 57:363-70, Jun 73

Effect of age and testosterone on calcium content and reactivity of guinea-pig vas deferens. Greenberg S, et al. **J Pharmacol Exp Ther** 185:505-13, Jun 73

Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar. Joshi HS, et al. **J Reprod Fertil** 33:411-23, Jun 73

Hormone therapy in malignant melanoma. Flax H, et al. **Lancet** 2:147, 21 Jul 73

Effects of testosterone treatment in adulthood on sexual behaviour of female pseudohermaphrodite rhesus monkeys. Eaton GG, et al. **Nature [New Biol]** 242:119-20, 28 Mar 73

Role of testosterone in normal female function. Ohno S, et al. **Nature [New Biol]** 243:119-20, 23 May 73

Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Fuxe K, et al. **Neuroendocrinology** 10:282-300, 1972

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology** 12:73-85, 1973

Further evidence on the intrahypothalamic locus for androgenization of female rats. Nadler RD. **Neuroendocrinology** 12:110-9, 1973

Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al. **Neuroendocrinology** 12:17-29, 1973

Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. Beatty WW. **Physiol Behav** 10:627-8, Mar 73

Hormonal factors controlling the development of sexual behavior in the male golden hamster. Coniglio LP, et al. **Physiol Behav** 10:1087-94, Jun 73

Sex differences in salt taste: the effect of testosterone. Křeček J. **Physiol Behav** 10:683-8, Apr 73

Sexual behaviour of White Leghorn cocks bearing basal hypothalamic lesions in various locations. Perek M, et al. **Physiol Behav** 10:479-84, Mar 73

Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction. Wensing CJ. **Proc K Ned Akad Wet [Biol Med]** 76:196-202, 1973

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. **Sov J Dev Biol** 3:46-50, Jan-Feb 72

Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A. **Sov J Dev Biol** 3:396-406, Sep-Oct 72

Human prostatic dehydroepiandrosterone sulfate sulfatase. Farnsworth WE. **Steroids** 21:647-64, May 73

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids** 21:703-22, May 73

[Prolactin memories. Prolactin in the male; hypophyseal disconnection; Chiari-Frommel syndrome] Pasqualini RQ. **Ann Endocrinol (Paris)** 33:476-80, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Autoradiographic study of the effect of androgens on RNA synthesis in tissues of the male mouse genital tract] Durliat M, et al. **C R Acad Sci [D] (Paris)** 676:789-92, 29 Jan 73 (Fre)

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris)** 275:1139-42, 11 Sep 72 (Fre)

[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 276:597-8, 22 Jan 73 (Fre)

[In vitro culture of the lizard epididymis: a new system for study of androgen hormone action] Dufaure JP, et al. **C R Soc Biol (Paris)** 166:366-9, 9 Nov 72 (Fre)

[Androgenic regulation of hepatic glucose-6-phosphate dehydrogenase and glutathione peroxidase in the rat] Roux JM, et al. **J Physiol (Paris)** 64:333-42, Dec 72 (Eng. Abstr.) (Fre)

[Effect of neurostimulating substances on sex behavior of the male rat after cerebral cortex lesions] Soulairac ML, et al. **J Physiol (Paris)** 65:Suppl 3:504A, 1972 (Fre)

[Increase in the number of plaques formed by an RNA coliphage by the action of hormonal steroids] Sonea S, et al. **Rev Can Biol** 31:321-2, Dec 72 (Eng. Abstr.) (Fre)

[Histological and enzyme-histochemical studies on the effect of prolonged testosterone administration on the epiphyseal cartilage of rats] Tarsoly E, et al. **Acta Chir Acad Sci Hung** 13:403-11, 1972 (Eng. Abstr.) (Ger)

[Activity of sebaceous glands from the aspect of endocrine processes] Winkler K. **Z Haut Geschlechtskr** 47:925-30, 15 Nov 72 (Eng. Abstr.) (Ger)

[Morphology of the postembryonal bursa of Fabricius following hormonal bursectomy] Hoffmann-Fezer G, et al. **Zentralbl Veterinaermed [A]** 20:23-33, Jan 73 (Eng. Abstr.) (Ger)

[Effect of some hormones on the "drumstick" nuclei of the neutrophils of female and male guinea pigs] Kotova SA. **Probl Endokrinol (Mosk)** 19:95-9, Mar-Apr 73 (Eng. Abstr.) (Rus)

[New data on the use of dimethylsulfoxide in experimental and clinical dermatology (a survey of the literature)] Datskovskii BM, et al. **Vestn Dermatol Venerol** 47:30-6, Jan 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Hypothalamic-adipose tissue interrelationships. Lepkovsky S. **Fed Proc** 32:1705-8, Jun 73

Appearance of antler pedicles in early foetal life in red deer. Lincoln GA. **J Embryol Exp Morphol** 29:431-7, Apr 73

Role of testosterone in normal female function. Ohno S, et al. **Nature [New Biol]** 243:119-20, 23 May 73

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. **Sov J Dev Biol** 3:46-50, Jan-Feb 72

[Articular cartilage. 1. Physiology in the adult] Peyron JG. **Nouv Presse Med** 2:1667-70, 16 Jun 73 (Eng. Abstr.) (Fre)

SECRETION

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al. **J Clin Endocrinol Metab** 37:68-73, Jul 73

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al. **J Clin Endocrinol Metab** 36:1230-6, Jun 73

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al. **J Endocrinol** 57:277-84, May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)
[Concentrations of 17 estradiol, estrone and testosterone in the spermatic vein in man] Scholler R, et al.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 **(Fre)**
[Production of testosterone] Knorr D.
Dtsch Med Wochenschr 98:1087-8, 25 May 73 **(Ger)**
[Age and endocrine function of the testes in adult man] Nieschlag E, et al.
Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 **(Eng. Abstr.)** **(Ger)**

THERAPEUTIC USE

New drugs in the treatment of sickle cell anemia. Freedman ML.
Am J Med Sci 265:371-3, May 73 (21 ref.)
Adjuvant therapy for adenocarcinoma of the kidney: present position and prospects. Bloom HJ.
Br J Urol 45:237-57, Jun 73 (105 ref.)
2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer. Fujimori M.
Cancer 31:789-92, Apr 73
Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)
Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL.
J Am Geriatr Soc 21:271-4, Jun 73
Testosterone treatment for micropenis during early childhood. Guthrie RD, et al.
J Pediatr 83:247-52, Aug 73
Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr** 83:187-200, Aug 73
Hormone therapy in malignant melanoma. Flax H, et al.
Lancet 2:147, 21 Jul 73
Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)
Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A.
Sov J Dev Biol 3:396-406, Sep-Oct 72
[Possible clinical cure in a high percentage of cases of liver cirrhosis with a treatment based on high doses of testosterone and vitamin B 1] Girolami M.
Minerva Med 64:1567-623, 2 May 73 (Eng. Abstr.) **(Ita)**
[Pathogenetic therapy of dyshormonal hyperplasia of the male breasts] Sidorenko LN, et al.
Vopr Onkol 18:27-31, 1972 (Eng. Abstr.) **(Rus)**

URINE

Urinary testosterone after hypothalamic stimulation in the male rat. Lotti G, et al.
Arch Int Physiol Biochim 81:41-6, Feb 73
Endocrine profiles in premenstrual tension. Adamopoulos DA, et al.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
Gas chromatographic determination of urinary excretion of testosterone, epitestosterone, and androstenedione in pre-adolescent and adolescent children. Dalzell DP, et al.
J Clin Endocrinol Metab 36:1237-43, Jun 73
[Hormonal determination of human androgenicity. Value of urinary determination of androstanediol and testosterone] Mauvais-Jarvis P, et al.
Nouv Presse Med 2:1565-9, 9 Jun 73 **(Fre)**
[Production of testosterone] Knorr D.
Dtsch Med Wochenschr 98:1087-8, 25 May 73 **(Ger)**

GONADS

IV. Related Topics

CASTRATION

Effects of artificial menopause on plasma and urine calcium and phosphate. Gallagher JC, et al. **Clin Endocrinol (Oxf)** 1:57-64, Jan 72

Hypothalamic-adipose tissue interrelationships. Lepkovsky S. **Fed Proc** 32:1705-8, Jun 73

Endocrine control of clutch size in reptiles. II. Compensatory follicular hypertrophy following partial ovariectomy in Anolis carolinensis. Jones RE, et al. **Gen Comp Endocrinol** 20:550-5, Jun 73

Spay clinics and pet population control. Samuelson ML. **J Am Vet Med Assoc** 162:1061-4, 15 Jun 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al. **J Biol Chem** 248:4987-97, 25 Jul 73

Poriactin production and lactogenesis in rats after ovariectomy in late pregnancy. Simpson AA, et al. **J Endocrinol** 57:425-9, Jun 73

The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. Parlow AF, et al. **J Reprod Fertil** 33:441-50, Jun 73

Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al. **Neuroendocrinology** 11:370-4, 1973

Glucose oxidation in the hypothalamus during the sexual cycle in rats: influence of castration. Scacchi P, et al. **Neuroendocrinology** 11:321-7, 1973

Functional castration of the female Japanese quail. Adkins EK. **Physiol Behav** 10:619-21, Mar 73

Effects of castration, blindness and anosmia on social reactivity in the male Mongolian gerbil (Meriones unguiculatus). Christenson T, et al. **Physiol Behav** 10:989-94, Jun 73

Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. **Physiol Behav** 10:701-5, Apr 73

The effect of experience and hormones on the initial receptivity in female and male rats. Gerall AA, et al. **Physiol Behav** 10:851-4, May 73

A comparison of the aggressive behaviour of isolated intact and castrated male golden hamsters towards intruders introduced into the home cage. Payne AP. **Physiol Behav** 10:629-31, Mar 73

Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. Ross JW, et al. **Physiol Behav** 10:643-6, Mar 73

[Influence of ovariectomy on Hymenolepis nana parasitism in mice] Ballenger J, et al. **Ann Parasitol Hum Comp** 47:779-82, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Influence of androgenic hormones on Hymenolepis nana parasitism in male mice. I. Effects of orchiectomy] Ballenger J, et al. **Ann Parasitol Hum Comp** 47:773-7, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al. **C R Acad Sci [D] (Paris)** 275:1927-30, 23 Oct 72 (Fre)

ADVERSE EFFECTS

[Adrenal cortex patterns in castrated female rats. Morphometric studies] Malarewicz A. **Ginekol Pol** 44:515-21, 1973 (Eng. Abstr.) (Pol)

[Some aspects of carbohydrate metabolism in the liver of white rats following castration] Khachaturian SA, et al. **Zh Eksp Klin Med** 12:39-42, 1972 (Rus)

VETERINARY

Postcastration complications. Johnson JH. **Mod Vet Pract** 54:49-51, Jul 73

[Berenschneider--Nonnenmacher--Pagenstecher medieval castrators as precursors of the veterinarian] Steger G. **Wien Tieraerztl Monatsschr** 60:143-6, Apr 73 (Eng. Abstr.) (Ger)

ESTRUS

Studies on canine reproductive behaviour during the normal oestrous cycle. Christie DW, et al. **Anim Behav** 20:621-31, Nov 72

Ram-seeking activity associated with oestrous behaviour in ewes. Lindsay DR, et al. **Anim Behav** 20:452-6, Aug 72

Post parturient oestrus in merino and dorset horn sheep. George JM. **Aust Vet J** 49:242-5, May 73

Determining the stage of the estrous cycle in the mouse by the appearance of the vagina. Champlin AK, et al. **Biol Reprod** 8:491-4, May 73

Ovulation in the spotted skunk (Spilogale putorius latifrons). Greensides RD, et al. **Biol Reprod** 8:576-84, Jun 73

In vivo alterations in the incorporation of (3 H)lysine into the medial preoptic nucleus and specific hypothalamic nuclei during the estrous cycle of the rat. Litteria M. **Brain Res** 55:234-7, 30 May 73

Jugular plasma concentrations of alpha amino nitrogen, amino acids, urea nitrogen, and glucose during the bovine estrous cycle. Mason BD, et al. **J Dairy Sci** 56:744-7, Jun 73

Plasma oestradiol, luteinizing hormone and progesterone during the oestrous cycle in the Beagle bitch. Jones GE, et al. **J Endocrinol** 57:331-2, May 73

Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al. **J Physiol (Lond)** 231:32P-34P, May 73

Changes in voluntary sodium intake during the oestrous cycle of sheep. Michell AR. **J Physiol (Lond)** 231:42P-44P, May 73

Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. Brand A, et al. **J Reprod Fertil** 33:431-9, Jun 73

Effects of lactation, suckling and oxytocin on post-partum ovulation and oestrus in ewes. Fletcher IC. **J Reprod Fertil** 33:293-8, May 73

Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. **J Reprod Fertil** 33:310-3, May 73

Changes in peripheral plasma progesterone throughout the oestrous cycle of the pony mare. Sharp DC, et al. **J Reprod Fertil** 33:535-8, Jun 73

Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al. **Neuroendocrinology** 12:1-16, 1973

Glucose oxidation in the hypothalamus during the sexual cycle in rats: influence of castration. Scacchi P, et al. **Neuroendocrinology** 11:321-7, 1973

Effects of water restriction on reproductive function in female rats. Smith ER, et al. **Neuroendocrinology** 12:41-51, 1973

Daily and hourly estrous running in intact, spayed and estrone implanted rats. Gerall AA, et al. **Physiol Behav** 10:225-9, Feb 73

Sexual arousal of the female hamster. Noble RG. **Physiol Behav** 10:973-5, May 73

[New information on the external factors in the regulation of the duration of the estral cycle in rats] Chateau D, et al. **C R Acad Sci [D] (Paris)** 276:2823-6, 14 May 73 (Fre)

[New data on the regulation of the estrus cycle by the corpus luteum in guinea pigs] Jesel L. **C R Acad Sci [D] (Paris)** 276:565-7, 22 Jan 73 (Fre)

[Urinary luteinizing hormone (LH) elimination during the estrus cycle in the female rat] Berthelay S, et al. **C R Soc Biol (Paris)** 166:319-22, 9 Nov 72 (Fre)

[Urinary estrogen determination in the dog during estrus and pregnancy] Horst HJ, et al. **Zentralbl Veterinaermed [A]** 20:77-83, Jan 73 (Eng. Abstr.) (Ger)

[Sexual cycle in dwarf African and Toggenburg goats] Jarosz SJ, et al. **Pol Arch Weter** 15:613-21, 1972 (Eng. Abstr.) (Pol)

LIBRARY UL OF L. URBANA-CHAMPAIGN

DRUG EFFECTS

The effect of benzyl alcohol on the oestrous cycle of cattle. Macmillan KL. **Aust Vet J 49:267-8, May 73**

Evidence for progestational priming of estradiol-induced luteal regression in the ewe. Warren JE Jr, et al. **Biol Reprod 8:435-40, May 73**

Effects of long-term feeding of polychlorinated biphenyls (PCB, Clophen A 60) on the length of the oestrous cycle and on the frequency of implanted ova in the mouse. Orberg J, et al. **Environ Res 6:176-9, Jun 73**

Synchronization of estrus and ovulation in the mare with methallibure. First NL. **J Anim Sci 36:1143-8, Jun 73**

Control of the mare's oestrous cycle by prostaglandins. Allen WR, et al. **J Reprod Fertil 33:539-43, Jun 73**

Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil 33:231-7, May 73**

The effect of intrauterine injections of iodine solution on the duration of the oestrous cycle in cows. Grunert E, et al. **J Reprod Fertil 33:497-9, Jun 73**

Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. Illingworth DV, et al. **J Reprod Fertil 33:457-67, Jun 73**

Further evidence on the intrahypothalamic locus for androgenization of female rats. Nadler RD. **Neuroendocrinology 12:110-9, 1973**

RADIATION EFFECTS

Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Hoffmann JC. **Biol Reprod 8:473-80, May 73**

FEMINIZATION

[Feminizing effect of testosterone and androstenedione on the testis and Müllerian duct from chick embryo cultivated in vitro] Weniger JP, et al. **C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)**

DRUG THERAPY

Effect of sex hormones on development of urogenital system in reptile embryos. Raynaud A. **Sov J Dev Biol 3:396-406, Sep-Oct 72**

OVULATION

Ovulation in the spotted skunk (Spilogale putorius latifrons). Greensides RD, et al. **Biol Reprod 8:576-84, Jun 73**

Copper levels in cervical mucus during normal menstrual cycles. Randic L, et al. **Biol Reprod 8:495-8, May 73**

Variations of luteinizing hormone (LH) and blood platelets levels and preovulatory changes in vagina and cervix during the ovulatory cycle. Altmann P, et al. **Endocrinol Exp (Bratisl) 7:137-40, 1973**

Rapid timing of imminent ovulation in sterility patients. Spona J. **Endocrinol Exp (Bratisl) 7:125-8, 1973**

Water and electrolytes in human cervical mucus. Kopito LE, et al. **Fertil Steril 24:499-506, Jul 73**

Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. **J Anim Sci 36:1164-9, Jun 73**

The influence of exteroceptive stimuli and pheromonal facilitation of ovulation in different strains of mice. Eleftheriou BE, et al. **J Endocrinol 57:363-70, Jun 73**

Preovulatory levels of luteinizing hormone, the critical period and ovulation in rats. Greig F, et al. **J Endocrinol 57:235-45, May 73**

Effects of lactation, suckling and oxytocin on post-partum ovulation and oestrus in ewes. Fletcher IC. **J Reprod Fertil 33:293-8, May 73**

[Sterility due to dysovulation: prognostic and therapeutic role of ovarian biopsy during calioscopy] Cohen J, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Eng. Abstr.) (Fre)**

[Radioimmunologic serum LH determination for the timing of ovulation] Gitsch E, et al. **Geburtshilfe Frauenheilkd 33:297-302, Apr 73 (Eng. Abstr.) (Ger)**

DRUG EFFECTS

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al. **Am J Obstet Gynecol 116:1013-6, 1 Aug 73**

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ. **Am J Obstet Gynecol 116:698-705, 1 Jul 73**

Reproductive failure after clomiphene induced ovulation. Correy JF, et al. **Aust NZ J Obstet Gynaecol 13:29-34, Feb 73**

Relationship between sperm transport and penetration of eggs in the rabbit oviduct. Harper MJ. **Biol Reprod 8:441-50, May 73**

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al. **Endocrinology 92:1625-8, Jun 73**

Hormonal induction of ovulation and spawning in the blind cave fish, Anoptichthys jordani with the use of human chorionic gonadatropin. Zeitlin SM. **Experientia 29:461-2, 15 Apr 73**

An extended study on the use of clomiphene citrate for the induction of ovulation. Pennington GW, et al. **Ir J Med Sci 142:141-6, May 73**

Effect of superovulation on litter size of swine at 70 days of gestation. Deneke WA, et al. **J Anim Sci 36:1137-8, Jun 73**

Synchronization of estrus and ovulation in the mare with methallibure. First NL. **J Anim Sci 36:1143-8, Jun 73**

Ovulation, fertility and prenatal mortality in heifers treated with PMSG or porcine FSH. Laster DB. **J Reprod Fertil 33:275-82, May 73**

Evidence for non-involvement of central catecholamines in copper acetate induced ovulation. Gupta ML, et al. **Jap J Pharmacol 23:1-4, Feb 73**

Anencephaly and ovulation stimulation. Dyson JL, et al. **Lancet 1:1256-7, 2 Jun 73**

Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Fuxe K, et al. **Neuroendocrinology 10:282-300, 1972**

Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al. **Neuroendocrinology 12:17-29, 1973**

Effect of serotonin on ovulation induced by pinealectomy in anovulatory frontal-deafferented rats. Tima L, et al. **Neuroendocrinology 12:149-52, 1973**

Partial replacement of sulfur amino acids in layer diets with sodium sulfate. Damron BL, et al. **Poult Sci 52:400-2, Jan 73**

The influence of feeding ascorbic acid and sulfate on egg production and on cholesterol content of certain tissues of the hen. Nockels CF. **Poult Sci 52:373-8, Jan 73**

[Maturation and ovulation in vitro of rainbow trout Salmo gairdnerii ovocytes] Jalabert B, et al. **C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)**

[Gonadotropic effect of Sulpiride: initiation to a new contraceptive method] Gasnault JP, et al. **Lille Med 18:76-80, Jun 73 (Fre)**

[Control of fertility with microdoses of D'norgestrel] Ruiz Velasco V, et al. **Ginecol Obstet Mex 33:441-9, May 73 (Spa)**

RADIATION EFFECTS

The effect of dose rate upon reproductive performance of White Leghorn hens and their progeny. Mraz FR, et al. **Radiat Res 54:549-55, Jun 73**

PUBERTY

Some aspects of neurosecretory morphology in various genital states. Rodriguez RV. **Acta Anat (Basel) 85:88-95, 1973**

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al. **Acta Endocrinol (Kbh) 73:179-88, May 73**

Human prolactin. Friesen H, et al. **Annu Rev Med 24:251-70, 1973 (89 ref.)**

Endocrine disorders of growth in stature. Raiti S. **Aust Paediatr J 8:297-305, Dec 72 (20 ref.)**

Serum alkaline phosphatase and rickets. Stamp TC, et al. **Br Med J 2:551, 2 Jun 73**

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al. **Clin Endocrinol (Oxf) 1:127-40, Apr 72**

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf)** 1:141-7, Apr 72

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

Effects on short-term stress upon fertility. II. After puberty. Paris A, et al. **Fertil Steril** 24:546-52, Jul 73

Effects of short-term stress upon fertility, I. Before puberty. Paris AL, et al. **Fertil Steril** 24:540-5, Jul 73

Maturational deceleration after treatment of congenital adrenal hyperplasia. Bongiovanni AM, et al. **Helv Paediatr Acta** 28:127-34, May 73

Influence of socio-economic factors on the age at the appearance of different puberty signs. Prabhakar AK, et al. **Indian J Med Res** 60:789-92, May 72

Sexual dimorphism in the primary immune response of the Syrian hamster. Blazkovec AA, et al.
Int Arch Allergy Appl Immunol 44:274-93, 1973

Effects of four genetic groups and two levels feeding on ovulation rate and follicular development in puberal gilts. Clark JR, et al. **J Anim Sci** 36:1164-9, Jun 73

Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids. Einarsson K, et al.
J Biol Chem 248:4987-97, 25 Jul 73

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. Abraham GE, et al.
J Clin Endocrinol Metab 37:140-4, Jul 73

Gas chromatographic determination of urinary excretion of testosterone, epitestosterone, and androstenedione in pre-adolescent and adolescent children. Dalzell DP, et al.
J Clin Endocrinol Metab 36:1237-43, Jun 73

Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. **J Clin Endocrinol Metab** 36:1132-42, Jun 73

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al.
J Clin Endocrinol Metab 37:68-73, Jul 73

Muscle strength in boys of different ages. McComas AJ, et al. **J Neurol Neurosurg Psychiatry** 36:171-3, Apr 73

Monostotic fibrous dysplasia of the maxilla: report of cases. Hayward JR, et al. **J Oral Surg** 31:625-7, Aug 73

Glycogen and related enzymes in normal and cryptorchid human testes: a cytochemical study. Sellicovich A, et al. **J Reprod Fertil** 33:379-83, Jun 73

Another hystricomorph rodent: keeping casiragua (Proechimys guairae) in captivity. Weir BJ.
Lab Anim 7:125-34, May 73

Zinc deficiency in man. Halsted JA.
Lancet 1:1447-8, 23 Jun 73

Because they're young. Wolfgang ME.
Ment Hyg 57:4-9, Spring 73

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al.
Neuroendocrinology 12:73-85, 1973

Epidemiology of slipped capital femoral epiphysis: a review of the literature. Kelsey JL.
Pediatrics 51:1042-50, Jun 73

Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. Beatty WW.
Physiol Behav 10:627-8, Mar 73

Enhancement of female receptivity in neonatally castrated males by prepuberal ovarian transplants. Dunlap JL, et al. **Physiol Behav** 10:701-5, Apr 73

Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

[Sexual maturation in girls with birth weight lower than 2000 g] Presl J, et al.
Cesk Gynekol 38:221-5, May 73 (Eng. Abstr.) (Cze)

[Preliminary study of puberty in girls in Dakar. Longitudinal study of 110 African adolescents] Bouthreuil E, et al.
Ann Pediatr (Paris) 19:685-90, 2 Oct 72 (Eng. Abstr.) (Fre)

[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al.
C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 (Fre)

[Urinary elimination of gonadotropins in children during the prepubertal period] Moussier P, et al.
J Physiol (Paris) 65:Suppl 3:457A+, 1972 (Fre)

[Effects of thyroidectomy on hepatic steatosis induced by administration of CCL 4 in the mature and immature rat] Paris R, et al.
J Physiol (Paris) 65:Suppl 3:464A, 1972 (Fre)

[Androgenic regulation of hepatic glucose-6-phosphate dehydrogenase and glutathione peroxidase in the rat] Roux JM, et al.
J Physiol (Paris) 64:333-42, Dec 72 (Eng. Abstr.) (Fre)

[Clinical use of radioimmunoassay of the luteinizing hormone (LH)] Olivier GC.
Union Med Can 102:570-7, Mar 73 (Eng. Abstr.) (Fre)

[Epiphysiolysis of femur head in boys before puberty (case report)] Stohr A.
Beitr Orthop Traumatol 20:146-50, Mar 73 (Ger)

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al.
Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)

[Hypertrophy of the breast as a postnatal anomaly] Berndorfer A.
Zentralbl Chir 97:1799-800, 16 Dec 72 (Ger)

[Dispensary observation and treatment of children and adolescents with physical and sexual retardation] Vlasenko LP. **Pediatriia** 52:72-3, Jan 73 (Rus)

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

DRUG EFFECTS

Opposite effects of platinum and stainless-steel lesions of the amygdala on gonadotropin secretion. Velasco ME. **Neuroendocrinology** 10:301-8, 1972

SEX CHROMATIN

Some surgical aspects in male hermaphroditism. Starup J, et al. **Acta Chir Scand [Suppl]** 433:132-6, 1973

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73

A study of cells in human corneal grafts. Growth potential in vitro, cellular morphology, and fate of donor cells. Basu PK, et al.
Can J Ophthalmol 8:1-9, Jan 73

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)

[Study of various morphological aspects of fluorescent Y chromatin; distribution and frequency in blood leukocytes] Cottin Y, et al.
C R Soc Biol (Paris) 166:327-32, 9 Nov 72 (Fre)

[Prenatal sex determination through demonstration of the Y-chromatin in blood leukocytes of pregnant women] Rogall H, et al.
Geburtshilfe Frauenheilkd 33:277-81, Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

A stable human dicentric chromosome, t dic (12;14)(p13;p13) including an intercalary satellite region between centromeres. Warburton D, et al.
Am J Hum Genet 25:439-45, Jul 73

Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity. (Klinefelter HF), Klinefelter HF.
Am J Obstet Gynecol 116:436-7, 1 Jun 73

Clinical application of fluorescent staining of chromosomes. Toomey K, et al.
J Am Med Wom Assoc 26:313 passim, Jun 73

Presence of brightly fluorescent material in testes of XX males. Palutke WA, et al.
J Med Genet 10:170-4, Jun 73

Testicular feminisation and inguinal hernia. German J, et al. **Lancet** 1:891, 21 Apr 73

Discordance of vaginal agenesis in monozygotic twins. Lischke JH, et al. **Obstet Gynecol** 41:920-4, Jun 73

Prenatal diagnosis in the prevention of handicapping disorders. Howell RR.
Pediatr Clin North Am 20:141-9, Feb 73 (24 ref.)

[Klinefelter's syndrome. Report on 18 cases] Mamelle JC, et al. **Pediatrie** 27:851-70, Dec 72 (Ger)

[Demonstration of the Y chromatin in histological sections] Margit K, et al.
Morphol Igazsagugyi Orv Sz 13:112-5, Apr 73 (Eng. Abstr.) (Hun)

[Fecundity of cows in the light of cytogenetic research]

LIBRARY U. OF I., URBANA-CHAMPAIGN

Rauluszkiewicz S, et al.
Pol Arch Weter 15:713-8, 1972 (Eng. Abstr.) **(Pol)**
[Quantitative and qualitative characteristics of sex chromatin in women of different ages] Kaiutov EG, et al. **Tsitologiia** 15:344-6, Mar 73 (Eng. Abstr.) **(Rus)**

SEX CHROMOSOMES

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73
Hemophilia B in a phenotypically normal girl with XX (ring) XO mosaicism. Neuschatz J, et al.
Acta Haematol (Basel) 49:108-13, 1973
Cobalt absorption in sex-linked anemic mice. Toskes PP, et al. **Am J Clin Nutr** 26:435-7, Apr 73
Equilibrium frequencies in X-linked recessive disease. Holloway SM, et al. **Am J Hum Genet** 25:388-96, Jul 73
Phenotypic diversity of human diseases resulting from allelic series. McKusick VA.
Am J Hum Genet 25:446-56, Jul 73
Absence of -N-acetyl-D-hexosaminidase A activity in a healthy woman. Vidgoff J, et al.
Am J Hum Genet 25:372-81, Jul 73
X-Y translocation. Khudr G, et al.
Am J Obstet Gynecol 116:584-5, 15 Jun 73
Gonadal dygenesis with isochromosome X and menstruation. Stafford TM, et al.
Am J Obstet Gynecol 116:886, 15 Jul 73
Rhodopsin density and visual threshold in retinitis pigmentosa. Highman VN, et al.
Am J Ophthalmol 75:822-32, May 73
Ocular and central nervous system findings in tetraploid-diploid mosaicism. Yanoff M, et al.
Am J Ophthalmol 75:1036-42, Jun 73
Linkage studies of enzyme markers in man-mouse somatic cell hybrids. Billardon C, et al.
Ann Hum Genet 36:273-84, Jan 73
The phenogenetics of a super-suppressor in Drosophila melanogaster. II. Suppression and back-mutation. Lee GL. **Aust J Biol Sci** 26:189-99, Feb 73
Genetic analysis of geotactic and phototactic behavior in selected strains of Drosophila pseudoobscura. Woolf CM. **Behav Genet** 2:93-106, Mar 72
Regulation of gene function: a comparison of enzyme activity levels in relation to gene dosage in diploids and triploids of Drosophila melanogaster. Lucchesi JC, et al. **Biochem Genet** 9:41-51, May 73
The detection of factor-VIII-like antigen in haemophilic carriers and in patients with raised levels of biologically active factor VIII. Denson KW.
Br J Haematol 24:451-61, Apr 73
Studies of multipolar mitoses in euploid tissue cultures. I. Somatic reduction to exactly haploid and triploid chromosome sets. Pera F, et al.
Chromosoma 42:71-86, 14 May 73
X-Y chromosome dissociation and sterility in the mouse. Beechey CV.
Cytogenet Cell Genet 12:60-7, 1973
A comparison of chimpanzee and human chromosomes using the Giemsa-11 and other chromosome banding techniques. Bobrow M, et al.
Cytogenet Cell Genet 12:107-16, 1973
Y-22 translocation in a YY male. Lundsteen C, et al.
Cytogenet Cell Genet 12:53-9, 1973
Relationships between patterns of chromosome banding and DNA synthetic sequences: a study on the chromosomes of the Seba's fruit bat, Carollia perspicillata. Pathak S, et al.
Cytogenet Cell Genet 12:157-64, 1973
X and Y chromosome pairing and disjunction in a male mouse with an XYY sex-chromosome constitution. Rathenberg R, et al.
Cytogenet Cell Genet 12:87-92, 1973
Evidence aganist the peripheral location of the Y chromosome in human metaphase cells. Spence MA, et al. **Cytogenet Cell Genet** 12:49-52, 1973
Linkage of thyroxine-binding globulin deficiency to other X-chromosome loci. Bode HH, et al.
J Clin Endocrinol Metab 37:25-9, Jul 73
Interrelationships and sex differences of dental and skeletal measurements. Anderson DL, et al.
J Comp Neurol 52:431-8, May-Jun 73
Cytogenetics of the superhorse. Marx MB, et al.
J Hered 64:95-8, Mar-Apr 73
Ichthyosiform dermatoses. Frost P.
J Invest Dermatol 60:541-52, Jun 73 (29 ref.)
X-linked recessive disorders: chronic granulomatous disease and Wiskott-Aldrich syndrome. Mauer AM.
J Invest Dermatol 60:522-8, Jun 73 (35 ref.)
From gene to phene. Porter IH.
J Invest Dermatol 60:360-8, Jun 73
Comparative study of two RD 114 virus-indicator cell lines, KC and KB. Nelson-Rees WA, et al.
J Natl Cancer Inst 50:1129-35, May 73
Abnormality of separate subunits of factor VIII? Bennett E. **Lancet** 1:885-6, 21 Apr 73
Reverse banding in the human Y chromosome. Bühler EM, et al. **Lancet** 1:1178-9, 26 May 73
Nucleotide specificity of Giemsa banding. Meissner LF, et al. **Lancet** 2:94-5, 14 Jul 73
Linkage studies in X-linked retinitis pigmentosa. Grützner P, et al. **Monogr Hum Genet** 6:195, 1972
Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)
Thymus transplantation. Permanent reconstitution of cellular immunity in a patient with sex-linked combined immunodeficiency. Ammann AJ, et al.
N Engl J Med 289:5-9, 5 Jul 73
Does the rDNA in the Y chromosome of Drosophila melanogaster magnify? Williamson JH, et al.
Nature [New Biol] 243:190-1, 6 Jun 73
Sex linked muscular dystrophies: severe and benign variety. Desai AD, et al. **Neurol India** 20:163-89, Dec 72
Sex-linked reduction of body size in Golden Sebright Bantams. Custodio RW, et al.
Poult Sci 52:204-10, Jan 73
Human regulatory gene for inducible tyrosine aminotransferase in rat-human hybrids. Croce CM, et al. **Proc Natl Acad Sci USA** 70:1268-72, Apr 73
Independent control of ribosomal gene replication in polytene chromosomes of Drosophila melanogaster. Spear BB, et al.
Proc Natl Acad Sci USA 70:1359-63, May 73
Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)
The role of chromosomes in cancer biology. Koller PC.
Recent Results Cancer Res 38:1-122, 1972 (229 ref.)
Differential activity of homologous chromosome loci in ontogenesis. Korochkin LI, et al.
Sov J Dev Biol 3:7-18, Jan-Feb 72 (128 ref.)
Isoenzyme markers in dog blood cells. Khan PM, et al.
Transplantation 15:624-8, Jun 73
[Study of various morphological aspects of fluorescent Y chromatin; distribution and frequency in blood leukocytes] Cottin Y, et al.
C R Soc Biol (Paris) 166:327-32, 9 Nov 72 **(Fre)**
[Products of late abortion. Occurrence of chromosome aberrations] Foussereau S, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:651-6, Oct-Nov 72 (Eng. Abstr.) **(Fre)**
[Quantitative multienzymatic deficiency and chromosome malsegregation: patients with trisomy 21 and their parents] Grozdea J, et al.
Nouv Presse Med 2:1289-91, 12 May 73 (Eng. Abstr.) **(Fre)**
[Current concepts of sex differentiation] David L, et al.
Pediatrie 27:813-30, Dec 72 **(Fre)**
[Variability of the female Turner syndrome. Chromosome analysis and clinical findings in 17 typical and atypical cases] Eberle P, et al.
Arch Gynaekol 213:202-55, 1973 (Eng. Abstr.) **(Ger)**
[Demonstration of the human x chromosome in the interphase cell nucleus using fluorescence microscopy] Husslein H.
Hippokrates 44:87-8, Mar 73 **(Ger)**
[Genetic analysis of skeletal diseases. Genetic report] Jörgensen G. **Radiologe** 13:135-40, Apr 73 **(Ger)**
[Testicular feminization syndrome. Clinical case report] Basile F.
Minerva Ginecol 25:187-91, Apr 73 (Eng. Abstr.) **(Ita)**
[Male pseudohermaphroditism with deletion of short and long arm of chromosome Y] Koblelowa Z, et al.
Pediatr Pol 48:613-6, May 73 **(Pol)**

ANALYSIS

Repeated DNA sequences in the heterochromatic Y chromosome of adult Drosophila melanogaster. Perreault WJ, et al.
Proc Natl Acad Sci USA 70:773-7, Mar 73
[Demonstration of the Y chromatin in histological sections] Margit K, et al.
Morphol Igazsagugyi Orv Sz 13:112-5, Apr 73 (Eng. Abstr.) **(Hun)**
[Fecundity of cows in the light of cytogenetic research] Rauluszkiewicz S, et al.
Pol Arch Weter 15:713-8, 1972 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Effect of the dose-fractionation on the frequency of chromosome aberrations induced in mice by TEPA. Srám RJ, et al. Folia Biol (Praha) 19:58-67, 1973

Genetic properties of substituted derivatives of N-methyl-4-aminoazobenzene in relation to azo-dye carcinogenesis. Fahmy OG, et al. Int J Cancer 10:194-206, 15 Jul 72

IMMUNOLOGY

Effects of variable Bacillus Calmette-Guérin regimens on skin graft rejection. Zschiesche W, et al. Transplantation 15:172-3, Jan 73

SEX DETERMINATION

Some surgical aspects in male hermaphroditism. Starup J, et al. Acta Chir Scand [Suppl] 433:132-6, 1973

Testosterone in the fetal rat testis. Warren DW, et al. Biol Reprod 8:560-5, Jun 73

Identification of sex from the humerus. Singh S, et al. Indian J Med Res 60:1061-6, Jul 72

Results and pitfalls in prenatal cytogenetic diagnosis. Hsu LY, et al. J Med Genet 10:112-9, Jun 73

On management of intersexual anomalies. Theogaraj SD. Plast Reconstr Surg 51:632-40, Jun 73

Number of germ cells in known male and known female genotypes of vertebrate embryos (Oryzias latipes). Quirk JG, et al. Science 180:963-4, 1 Jun 73

Identity of the influence of embryonic and adult testes on rat embryo gonaducts. Ivanova EA. Sov J Dev Biol 3:46-50, Jan-Feb 72

[Study of various morphological aspects of fluorescent Y chromatin; distribution and frequency in blood leukocytes] Cottin Y, et al. C R Soc Biol (Paris) 166:327-32, 9 Nov 72 (Fre)

[Prenatal sex determination through demonstration of the Y-chromatin in blood leukocytes of pregnant women] Rogall H, et al. Geburtshilfe Frauenheilkd 33:277-81, Apr 73 (Eng. Abstr.) (Ger)

[Conjugation in star-forming soil bacteria] Heumann W. Zentralbl Bakteriol [Orig A] 220:335-42, May 72 (Ger)

[Readiness for gene transfer in the Rhizobium lupini conjugation (brief report)] Pühler A. Zentralbl Bakteriol [Orig A] 220:343, May 72 (Ger)

[Possibilities of determining female mosquitoes by microscopic preparations of the head. I. Systematic signs and characteristics of the genus] Gutsevich AV. Parazitologiia 6:320-5, 1972 (Eng. Abstr.) (Rus)

SEX REVERSAL, GONADAL

New horizons in medical ethics. Changing the patient's personality. Field LH, et al. Br Med J 2:594-8, 9 Jun 73

LIBRARY U. OF I. URBANA-CHAMPAIGN

PLACENTA

I. Physical and Functional Aspects

PLACENTA

ANALYSIS

Maternal anemia and fetal outcome in pregnancies complicated by thalassemia minor and "stomatocytosis". Fleming AF.
Am J Obstet Gynecol 116:309-19, 1 Jun 73

Long retention of urethan transferred into newborn mice transplacentally, as a possible cause of high carcinogenesis. Nomura T, et al. Gann 64:29-40, Feb 73

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73

Replacement therapy for inherited enzyme deficiency. Use of purified ceramidetrihexosidase in Fabry's disease. Brady RO, et al. N Engl J Med 289:9-14, 5 Jul 73

Study of correlations between neonatal head circumferences, placental parameters and neonatal body weights. Zamenhof S, et al.
Obstet Gynecol 41:855-9, Jun 73

[Growth and metabolism of the rabbit placenta in the last third of pregnancy] Willgerodt H.
Acta Biol Med Ger 30:69-77, 1973 (Eng. Abstr.) (Ger)

[Effect of hormone-induced prolongation of pregnancy on the placenta and fetuses in rabbits] Willgerodt H, et al.
Acta Biol Med Ger 30:57-67, 1973 (Eng. Abstr.) (Ger)

[Lead in calcareous deposits of the human placenta] Einbrodt HJ, et al.
Arch Gynaekol 213:303-6, 1973 (Eng. Abstr.) (Ger)

[Penetration of 7,12-dimethylbenz-(alpha)anthracene through the placenta and the dynamics of its accumulation in the rat fetus] Aleksandrov VA, et al.
Vopr Onkol 18:56-61, 1972 (Eng. Abstr.) (Rus)

[Dynamics of the transplacental penetration of 7,12-dimethylbenz(a)anthracene (DMBA) in mice] Shendrikova IA, et al.
Vopr Onkol 19:75-9, May 73 (Eng. Abstr.) (Rus)

[Study of the pathways of intrauterine transmission of the herpes simplex virus in an experiment on rabbits] Siepova OS, et al.
Vopr Virusol 18:151-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Changes in distribution of alkaline phosphatase during early implantation and development of the mouse. Smith MS. Aust J Biol Sci 26:209-17, Feb 73

Characterization of alkaline phosphatase isoenzymes in serum by agar gel electrophoresis. Sundblad L, et al.
Clin Chim Acta 45:219-35, 18 May 73

Further studies on the regulation of human placental steroid 3-sulfatase activity. Townsley JD.
Endocrinology 93:172-81, Jul 73

The characteristic distribution of alkaline phosphatase in the full-term human placenta. An electron cytochemical study. Hulstaert CE, et al.
Gynecol Invest 4:23-30, 1973

Histochemical location of ketose-reductase in the placenta and fetal tissues. Rama F, et al.
J Anat 114:109-13, Jan 73

Chorionic gonadotropin sensitive adenylate cyclase in human term placenta. Menon KM, et al.
J Clin Endocrinol Metab 36:1104-9, Jun 73

Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers. Fried J, et al.
J Med Chem 16:429-30, Apr 73

Replacement therapy for inherited enzyme deficiency. Use of purified ceramidetrihexosidase in Fabry's disease. Brady RO, et al. N Engl J Med 289:9-14, 5 Jul 73

[Human phosphofructokinase isozymes] Meienhofer MC, et al.
Biochimie 54:1399-403, 1972 (Eng. Abstr.) (Fre)

[Growth and metabolism of the rabbit placenta in the last third of pregnancy] Willgerodt H.
Acta Biol Med Ger 30:69-77, 1973 (Eng. Abstr.) (Ger)

[Effect of hormone-induced prolongation of pregnancy on the placenta and fetuses in rabbits] Willgerodt H, et al.
Acta Biol Med Ger 30:57-67, 1973 (Eng. Abstr.) (Ger)

[Various histochemical features of the uterus and placenta of ovariectomized rats following administration of different doses of progesterone and estradiol-dipropionate] Tsitsishvili DR, et al.
Arkh Anat Gistol Embriol 63:92-5, Dec 72 (Eng. Abstr.) (Rus)

METABOLISM

The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Braselton WE Jr, et al. Anal Biochem 53:64-85, May 73

Comparison of NCS solubilization and a wet combustion technique for 14 C measurement in dried biological tissues. Wheeler L, et al. Anal Biochem 53:42-8, May 73

Placental transmission and maternal and neonatal elimination of fluroxene. Marx GF, et al.
Anesth Analg (Cleve) 52:654-60, Jul-Aug 73

Kinetics of transplacental movement of mercury fed in a tuna matrix to mice. Childs EA.
Arch Environ Health 27:50-2, Jul 73

Placental transfer of antipyrine and thiocyanate and their use in determining maternal and fetal body fluids in a maintained pregnancy. Boulos BM, et al.
Arch Int Pharmacodyn Ther 201:42-51, Jan 73

Placental transfer of AH8165. Blogg CE, et al.
Br J Anaesth 45:638-9, Jun 73

Pharmacological studies with lincomycin in late pregnancy. Duignan NM, et al.
Br Med J 3:75-8, 14 Jul 73

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)

Permeability of the golden hamster placenta to inorganic lead: radioautographic evidence. Carpenter SJ, et al. Experientia 29:311-3, 15 Mar 73

Binding of iron by rat placental tissues. Garrett RJ, et al. Experientia 29:463-4, 15 Apr 73

In vitro perfusion studies of the human placenta; angioradiographic study of the maternal circulation. Rourke JE, et al. Gynecol Invest 4:50-60, 1973

Diffusion mechanisms across human placental tissue. Seeds AE, et al. Gynecol Invest 4:31-7, 1973

Plasma corticosterone concentration in the foetal rat. Cohen A. Horm Metab Res 5:66, Jan 73

Perinatal pharmacology and evaluation of the newborn. Scanlon JW, et al.
Int Anesthesiol Clin 11:163-74, Summer 73

Certain physiological factors affecting organochlorine pesticide metabolism in young ovines contaminated in utero. Varela-Alvarez H, et al.
J Agric Food Chem 21:409-11, May-Jun 73

Nitrogen retention, total body 40 K and weight gain in

teenage pregnant girls. King JC, et al.
J Nutr 103:772-85, May 73
Placental transmission and fetal distribution of clioquinol. Ogata M, et al. Lancet 1:938-9, 28 Apr 73
Utilization of linoleic acid by the rat fetus.
Nutr Rev 31:103, Mar 73
Drug-induced change in the distribution of sulfonamides in the mother rat and its fetus. Anton AH, et al. Science 180:974-6, 1 Jun 73
Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro. Grossman SB, et al.
Steroids 21:813-32, Jun 73
[Vitamin A, a factor in the regulation of steroidogenesis] Grangaud R.
Bull Acad Natl Med (Paris) 156:250-9, Feb-Mar 72 (Fre)
[Distribution of C 14 -labeled erucic acid in normal or pregnant mice] Martinelli M, et al.
C R Acad Sci [D] (Paris) 676:853-6, 29 Jan 73 (Fre)
[Growth and metabolism of the rabbit placenta in the last third of pregnancy] Willgerodt H.
Acta Biol Med Ger 30:69-77, 1973 (Eng. Abstr.) (Ger)
[Fluoride metabolism] Schmidt H.
Dtsch Zahn Mund Kieferheilkd 59:289-317, Nov 72 (Ger)
[Metabolism of the dehydroepiandrosterone during pregnancy] Schindler AE, et al.
Med Welt 23:1947-8, 16 Dec 72 (Ger)
[Various histochemical features of the uterus and placenta of ovariectomized rats following administration of different doses of progesterone and estradiol-dipropionate] Tsitsishvili DR, et al.
Arkh Anat Gistol Embriol 63:92-5, Dec 72 (Eng. Abstr.) (Rus)
[Cathepsin activity in the blood and placenta during pathological conditions with metrorrhagia in the 2nd half of pregnancy] Simko J, et al.
Cesk Gynekol 38:336-8, Jun 73 (Slo)

PHYSIOLOGY

Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term. Effer SB, et al. Am J Obstet Gynecol 116:643-7, 1 Jul 73
Human placental lactogen in high-risk pregnancy. Spellacy WN.
Clin Obstet Gynecol 16:298-312, Mar 73 (36 ref.)
Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Milković K, et al.
Endocrinology 93:115-8, Jul 73
Serum progesterone and immuno-reactive insulin levels in the pregnant rat. Sutter-Dub MT, et al.
Horm Metab Res 5:18-21, Jan 73
How impervious is the placental barrier? Beck CC.
Vet Med Small Anim Clin 68:468-80, May 73 (130 ref.)

SECRETION

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72
Differential effect of cyclic adenosine monophosphate on the secretion of human placental lactogen and human chorionic gonadotropin. Handwerger S, et al.
J Clin Endocrinol Metab 36:1268-70, Jun 73
Placental secretion of unconjugated estrone, estradiol and estriol into the maternal and the fetal circulation. Tulchinsky D.
J Clin Endocrinol Metab 36:1079-87, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PLACENTA

11. Disorders of the Placenta

CHORIOCARCINOMA

[Choriocarcinoma of the testicle with metastasis to the gingiva (report of a case)] Roa HS, et al. **Rev Guatem Estomatol 2:96-9, Sep-Dec 72 (Spa)**

BLOOD

Human chorionic somatomammotrophin and its clinical significance. Hartog M. **Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)**

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol 5:1-8, 1973**

COMPLICATIONS

Angiographic demonstration of arteriovenous shunts in pulmonary metastatic choriocarcinoma. Green JD, et al. **Radiology 108:67-70, Jul 73**

DIAGNOSIS

Benign intrathoracic lesions mimicking recurrent cancer. Sickles EA, et al. **JAMA 225:156-8, 9 Jul 73**

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. **South Med J 66:689-92, Jun 73**

[2-dimensional echoencephalography (B-scan)] Grumme T. **Dtsch Med Wochenschr 98:1234-8, 15 Jun 73 (Ger)**

DRUG THERAPY

Methotrexate U.S.P. (amethopterin) and methotrexate sodium. **Am J Hosp Pharm 30:542-8, Jun 73**

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol 5:1-8, 1973**

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. **South Med J 66:689-92, Jun 73**

[Method of selective protection of the gastrointestinal tract in the methotrexate treatment of trophoblastic tumors] Pavlotskii AI, et al. **Vopr Onkol 19:30-6, May 73 (Eng. Abstr.) (Rus)**

OCCURRENCE

Intracranial tumour pattern in Ibadan, Nigeria. Odeku EL, et al. **Afr J Med Sci 4:137-41, Apr 73**

[Incidence of chorionepithelioma in our patients (1949-1970)] Draća P. **Srp Arh Celok Lek 100:1065-9, Sep 72 (Eng. Abstr.) (Ser)**

PATHOLOGY

Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al. **Tohoku J Exp Med 109:29-39, Jan 73**

PHYSIOPATHOLOGY

[Gastric adenocarcinoma with trophoblastic differentiation and gonadotrophin production] Rivadeneyra J, et al. **Arch Invest Med (Mex) 3:503-12, 1972 (Spa)**

RADIOGRAPHY

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

SURGERY

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

THERAPY

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

URINE

Urinary cholesterol. V. Its excretion in men with testicular and prostatic neoplasms. Acevedo HF, et al. **Cancer 32:196-205, Jul 73**

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al. **Tohoku J Exp Med 109:29-39, Jan 73**

HYDATIDIFORM MOLE

Denial in a primigravida whose pregnancy terminated with hydatidiform mole. Chao YM. **Matern Child Nurs J 1:243-50, Fall 73**

[Denial in a primigravida whose pregnancy terminated with hydatidiform mole] Chao YM. **J Nurs (Taipei) 20:2-7, Apr 73 (Jap)**

BLOOD

Human chorionic somatomammotrophin and its clinical significance. Hartog M. **Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)**

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol 5:1-8, 1973**

[Comparative study of blood prolans in molar syndromes using 3 biological assay technics] Corréa P, et al. **Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Eng. Abstr.) (Fre)**

COMPLICATIONS

Three further cases of triploidy in man surviving to birth. Walker S, et al. **J Med Genet 10:135-41, Jun 73**

Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG). Bagshawe KD, et al. **J Obstet Gynaecol Br Commonw 80:461-8, May 73**

DIAGNOSIS

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. **South Med J 66:689-92, Jun 73**

Improved techniques in ultrasonic cross sectional echography. Kossoff G. **Ultrasonics 10:221-7, Sep 72**

[Comparative study of blood prolans in molar syndromes using 3 biological assay technics] Corréa P, et al. **Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Eng. Abstr.) (Fre)**

[Ultrasonography in abortion diagnosis] Meyenberg H. **Geburtshilfe Frauenheilkd 33:272-6, Apr 73 (Eng. Abstr.) (Ger)**

[Clinical application of macrophage migration inhibition test] Akiyama T, et al. **Jap J Clin Pathol 21:52-8, Jan 73 (7 ref.) (Jap)**

[Morphological examination of the endometrium] Kikyo S. **Jap J Clin Pathol 21:94-101, Jan 73 (Jap)**

DRUG THERAPY

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol 5:1-8, 1973**

Chemotherapy and hormone therapy in gynecologic cancer. Omura GA. South Med J 66:689-92, Jun 73

IMMUNOLOGY

[Comparative study of blood prolans in molar syndromes using 3 biological assay technics] Corréa P, et al.
Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Eng. Abstr.) (Fre)

OCCURRENCE

[Incidence of chorionepithelioma in our patients (1949-1970)] Draća P.
Srp Arh Celok Lek 100:1065-9, Sep 72 (Eng. Abstr.) (Ser)

PATHOLOGY

The ultrastructure of molar trophoblast. Sen DK, et al.
Aust NZ J Obstet Gynaecol 13:35-9, Feb 73

SURGERY

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. Chest 63:1029-30, Jun 73

URINE

Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG). Bagshawe KD, et al.
J Obstet Gynaecol Br Commonw 80:461-8, May 73
[Comparative study of blood prolans in molar syndromes using 3 biological assay technics] Corréa P, et al.
Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Eng. Abstr.) (Fre)

PLACENTA

ABNORMALITIES

Trilobate placenta and an abnormal fetal heart rate pattern. Sudha C, et al.
Am J Obstet Gynecol 116:878-80, 15 Jul 73
[Placenta studies in 100 risk pregnancies] Hölzl M, et al.
Arch Gynaekol 213:256-70, 1973 (Eng. Abstr.) (Ger)

PLACENTA DISORDERS

The syndrome of chronic abruptio placentae, hydrorrhea, and circumvallate placenta. Naftolin F, et al. Am J Obstet Gynecol 116:347-50, 1 Jun 73
Viral infection of the bovine fetus and its environment. Hubbert WT, et al.
Arch Gesamte Virusforsch 41:86-98, 1973
Three further cases of triploidy in man surviving to birth. Walker S, et al. J Med Genet 10:135-41, Jun 73

BLOOD

[Human placental lactogen in endangered pregnancy] Schmitt R, et al.
Z Geburtshilfe Perinatol 177:118-28, Apr 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Trilobate placenta and an abnormal fetal heart rate pattern. Sudha C, et al.
Am J Obstet Gynecol 116:878-80, 15 Jul 73
[Epilepsy and perinatal injury] Tchicaloff M.
Rev Med Suisse Romande 93:51-8, Jan 73 (Fre)
[The undersized child: a clinical approach] Szöts F, et al. Vie Med Can Fr 2:370-7, Apr 73 (Fre)
[Disseminated intravascular coagulation in intra-uterine or perinatal stillbirth] Rafii MR, et al.
Z Geburtshilfe Perinatol 177:147-56, Apr 73 (Eng. Abstr.) (Ger)
[Case of fetal distress with special reference to syndromes of placental insufficiency] Sekiguchi K.
Jap J Midwife 26:36-7, Nov 72 (Jap)
[Case of postpartum hemorrhage due to placental adhesion] Numasawa T, et al.
Jap J Nurs Art 19:49-53, Jun 73 (Jap)
[Hemorrhage of placental etiology during pregnancy and its effect on the fetus] Ponfuch A, et al.
Cesk Gynekol 38:360-1, Jun 73 (Slo)

DIAGNOSIS

Daily fetal movement recording and fetal prognosis. Sadovsky E, et al. Obstet Gynecol 41:845-50, Jun 73
[Placenta insufficiency] Haller U.
Z Allgemeinmed 49:509-18, 20 Apr 73 (Ger)
[Ultrasonic diagnostics in pregnancy] Stein WW.
Z Allgemeinmed 49:499-508, 20 Apr 73 (Ger)
[Human placentar lactogen (HPL) in the serum of pregnant women with diabetes, Rh-incompatibility, severe toxemia and twins] Bellmann O, et al.
Z Geburtshilfe Perinatol 177:110-8, Apr 73 (Eng. Abstr.) (Ger)
[Results of placental circulation measurements in hazard pregnancies] Janisch H, et al.
Z Geburtshilfe Perinatol 177:74-80, Apr 73 (Eng. Abstr.) (Ger)
[The evaluation of the ultrasonic study of the placenta on 800 cases] Falus M, et al.
Orv Hetil 114:1481-4, 24 Jun 73 (Hun)
[Study of the volume of the amniotic fluid during the last 3 months of normal pregnancy] Karchmer S, et al.
Ginecol Obstet Mex 33:399-405, Apr 73 (Eng. Abstr.) (Spa)

ETIOLOGY

[Pathology of the placenta in metrorrhagia in the 2nd half of pregnancy] Jurkovič I, et al.
Cesk Gynekol 38:338-9, Jun 73 (Slo)

METABOLISM

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al.
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)

OCCURRENCE

[Statistical studies on fetal hazards in placental insufficiency and umbilical cord complications. 1. Definition of the clinical pictures and their occurrence] Lamberti G, et al.
Geburtshilfe Frauenheilkd 33:254-64, Apr 73 (Eng. Abstr.) (Ger)

PATHOLOGY

[Histological study of the placenta and basal decidua in habitual abortion caused by hyperandrogenism. Spontaneously interrupted pregnancies during the 1st 6 months and pregnancies treated successfully by corticotherapy] Badarau L, et al.
Rev Fr Gynecol Obstet 67:685-97, Dec 72 (Eng. Abstr.) (Fre)
[Lead in calcareous deposits of the human placenta] Einbrodt HJ, et al.
Arch Gynaekol 213:303-6, 1973 (Eng. Abstr.) (Ger)
[Placenta studies in 100 risk pregnancies] Hölzl M, et al.
Arch Gynaekol 213:256-70, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Results of placental circulation measurements in hazard pregnancies] Janisch H, et al.
Z Geburtshilfe Perinatol 177:74-80, Apr 73 (Eng. Abstr.) (Ger)

SURGERY

Classic pages in obstetrics and gynecology: Alexandre Couvelaire. Couvelaire A.
Am J Obstet Gynecol 116:875, 15 Jul 73

THERAPY

[Placenta insufficiency] Haller U.
Z Allgemeinmed 49:509-18, 20 Apr 73 (Ger)

TROPHOBLASTIC TUMOR

DRUG THERAPY

[Colpocytogram abnormalities during anemia due to folic acid deficiency] Bureau JP, et al.
Nouv Presse Med 2:1661-3, 16 Jun 73 (Fre)
[Method of selective protection of the gastrointestinal tract in the methotrexate treatment of trophoblastic tumors] Pavlotskii AI, et al.
Vopr Onkol 19:30-6, May 73 (Eng. Abstr.) (Rus)

LIBRARY UL OF I.. URBANA-CHAMPAIGN

PATHOLOGY

[Colpocytogram abnormalities during anemia due to folic acid deficiency] Bureau JP, et al.
Nouv Presse Med 2:1661-3, 16 Jun 73 (Fre)

URINE

Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG). Bagshawe KD, et al.
J Obstet Gynaecol Br Commonw 80:461-8, May 73

PLACENTA

III. *Placental Hormones, Precursors, Metabolites and Synthetic Analogs*

GONADOTROPINS, CHORIONIC

Interaction of 1,8-ANS with human luteinizing hormones: a probe for subunit interactions of hCG and hLH. **Arch Biochem Biophys** 155:478-9, Apr 73

A new biochemical effect of erythropoietin. Ray PK, et al. **Biochem Biophys Res Commun** 52:1320-8, 19 Jun 73

Polymorphism of protein and polypeptide hormones. Franchimont P, et al.
Clin Endocrinol (Oxf) 1:315-36, Oct 72

The relationship of the activity of gonadotrophins to their structures. Kennedy JF.
Endocrinol Exp (Bratisl) 7:5-17, 1973

The time course of recombination of human chorionic gonadotropin subunits studied with immunological methods, circular-dichroic measurements and bioassay. Merz WE, et al.
Eur J Biochem 35:297-306, Jun 73

Comparison of chorionic gonadotropin and luteinizing hormone: a note on a proposed significant structural difference in the beta subunit. Morgan FJ, et al.
FEBS Lett 31:101-3, 1 Apr 73

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol** 20:490-7, Jun 73

Chorionic gonadotropin sensitive adenylate cyclase in human term placenta. Menon KM, et al.
J Clin Endocrinol Metab 36:1104-9, Jun 73

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73

[Human pituitary prolactin: radioimmunologic detection and level during pregnancy] L'Hermite M, et al.
Ann Endocrinol (Paris) 33:357-60, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf)** 1:141-7, Apr 72

Hormonal induction of ovulation and spawning in the blind cave fish, Anoptichthys jordani with the use of human chorionic gonadatropin. Zeitlin SM.
Experientia 29:461-2, 15 Apr 73

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL.
J Am Geriatr Soc 21:271-4, Jun 73

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al.
J Anim Sci 36:1129-36, Jun 73

Problems in the interpretation of ovarian biopsies in functional gynecologic disorders and sterility of ovarian origin. Zographos G, et al.
J Reprod Med 10:295-300, Jun 73

Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Fuxe K, et al.
Neuroendocrinology 10:282-300, 1972

[Male pseudohermaphroditism. Attempt at classification based upon 33 cases] Jeune M, et al.
Pediatrie 27:891-912, Dec 72 (Fre)

ANALYSIS

Subunits of human chorionic gonadotrophin: an immunochemical study. Donini S, et al.
Acta Endocrinol (Kbh) 73:133-45, May 73

Amino acid sequence of human chorionic somatomammotropin. Li CH, et al.
Arch Biochem Biophys 155:95-110, Mar 73

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem** 19:602-7, Jun 73

The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. Cornell JS, et al. **J Biol Chem** 248:4327-33, 25 Jun 73

Production of human chorionic gonadotropin in vitro by a cell line derived from a carcinoma of the lung. Rabson AS, et al. **J Natl Cancer Inst** 50:669-74, Mar 73

Health information in the mass media: the case of chorionic gonadotropin and obesity. De Kretser DM.
Med J Aust 1:462, 3 Mar 73

Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. **Science** 180:968-71, 1 Jun 73

[Studies on the identity of typical pregnancy proteins using HCG and LH] Straube W, et al.
Zentralbl Gynaekol 95:552-7, 20 Apr 73 (Ger)

[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H.
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73

BIOSYNTHESIS

Production of human chorionic gonadotropin in vitro by a cell line derived from a carcinoma of the lung. Rabson AS, et al. **J Natl Cancer Inst** 50:669-74, Mar 73

Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

BLOOD

Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term. Effer SB, et al. **Am J Obstet Gynecol** 116:643-7, 1 Jul 73

Mid-trimester pre-eclampsia associated with fetal triploidy: report of a case. Hashimoto JS, et al.
Am J Obstet Gynecol 116:882-3, 15 Jul 73

Evaluation of the prognosis of threatened abortion from the peripheral plasma levels of progesterone, estradiol, and human chorionic gonadotropin. Nygren KG, et al. **Am J Obstet Gynecol** 116:916-22, 1 Aug 73

Therapeutic abortion of early human gestation with vaginal suppositories of prostaglandin (F 2 .). Tredway DR, et al.
Am J Obstet Gynecol 116:795-8, 15 Jul 73

Recent advances in evaluation of gonadotropic hormones. Vaitukaitis JL, et al.
Annu Rev Med 24:295-302, 1973

Discordance of human chorionic gonadotropin and alpha-fetoprotein in testicular teratocarcinomas. Braunstein GD, et al. **Cancer** 31:1065-8, May 73

Ectopic production of human chorionic gonadotropin in Ugandan patients with hepatocellular carcinoma. Braunstein GD, et al. **Cancer** 32:223-6, Jul 73

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem** 19:602-7, Jun 73

The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin. Goldstein DP, et al. **J Surg Oncol** 5:1-8, 1973

[Comparative study of blood proians in molar syndromes using 3 biological assay technics] Corréa P, et al.
Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73

LIBRARY UL OF L. URBANA-CHAMPAIGN

Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men. Anderson DC, et al.
Clin Endocrinol (Oxf) 1:127-40, Apr 72

Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys. Perheentupa J, et al. **Clin Endocrinol (Oxf)** 1:141-7, Apr 72

Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism. Zachmann M, et al.
Clin Endocrinol (Oxf) 1:369-85, Oct 72

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73

FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism. Sizonenko PC, et al.
J Clin Endocrinol Metab 37:68-73, Jul 73

ISOLATION & PURIFICATION

Amino acid sequence of human chorionic somatomammotropin. Li CH, et al.
Arch Biochem Biophys 155:95-110, Mar 73

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H.
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

METABOLISM

Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries. Danzo BJ.
Biochim Biophys Acta 304:560-9, 28 Apr 73

Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al.
Endocrinol Exp (Bratisl) 7:85-8, 1973

Immunospecificity and localization of radiolabeled human growth hormone in the mouse. Mizejewski GJ.
Experientia 29:716-8, 15 Jun 73

Health information in the mass media: the case of chorionic gonadotropin and obesity. De Kretser DM.
Med J Aust 1:462, 3 Mar 73

Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

Hormone fragments, subunits and polymers: are they biologically significant or chemical artifacts? Franchimont P. **Proc R Soc Med** 66:446-7, May 73

PHARMACODYNAMICS

The testis in patients with abnormalities of sex differentiation. Histology and endocrine function. Sandrini Neto R, et al.
Acta Endocrinol (Kbh) 73:179-88, May 73

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73

Further evidence for the presence of an endogenous gonadotrophin-like plant factor, "phytotrophin": isolation and mechanism of action of the active principle. Shomer-Ilan A, et al.
Aust J Biol Sci 26:105-12, Feb 73

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73

Effects of gonadotropic hormones on rat ovarian lysosomes. Dimino MJ, et al.
Biol Reprod 8:523-30, Jun 73

Relationship between sperm transport and penetration of eggs in the rabbit oviduct. Harper MJ.
Biol Reprod 8:441-50, May 73

GLycogen levels of preimplantation mouse embryos developing in vitro. Ozias CB, et al.
Biol Reprod 8:467-72, May 73

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. **Endocrinol Exp (Bratisl)** 7:69-74, 1973

Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Bullock DW, et al.
Endocrinology 92:1625-8, Jun 73

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73

Hormonal induction of ovulation and spawning in the blind cave fish, Anoptichthys jordani with the use of human chorionic gonadotropin. Zeitlin SM.
Experientia 29:461-2, 15 Apr 73

Human sperm capacitation and in vitro fertilization. Soupart P, et al. **Fertil Steril** 24:462-78, Jun 73

Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale. Jones RE.
Gen Comp Endocrinol 20:567-71, Jun 73

Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al. **Gen Comp Endocrinol** 20:467-73, Jun 73

Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro. Schatz H, et al. **Horm Metab Res** 5:29-33, Jan 73

Synchronization of estrus and ovulation in the mare with methallibure. First NL.
J Anim Sci 36:1143-8, Jun 73

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al.
J Anim Sci 36:1129-36, Jun 73

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem** 248:5042-9, 25 Jul 73

Biosynthesis of pyridine nucleotides in early embryos of the mouse (Mus musculus). Kuwahara M, et al.
J Biol Chem 248:5095-9, 25 Jul 73

Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. Baird DT, et al.
J Endocrinol 57:299-305, May 73

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J.
J Endocrinol 57:437-49, Jun 73

Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis. Jong FH de, et al.
J Endocrinol 57:277-84, May 73

Transport of microspheres in the genital tract of the female rabbit. Croxatto HB, et al.
J Reprod Fertil 33:337-41, May 73

Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. Dobson H, et al. **J Reprod Fertil** 33:231-7, May 73

Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation in rats. Labhsetwar AP.
J Reprod Fertil 33:545-8, Jun 73

Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin. Neal P, et al.
J Reprod Fertil 33:399-401, Jun 73

Effect of human chorionic somatomammotrophin and human chorionic gonadotrophin on phytohaemagglutinin-induced lymphocyte transformation. Contractor SF, et al.
Nature [New Biol] 243:284-6, 27 Jun 73

Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Fuxe K, et al.
Neuroendocrinology 10:282-300, 1972

[Effect of cAMP and of regulator protein on the in vitro action of human chorionic gonadotropin (HCG) on the corpus luteum] Hermier C, et al.
C R Acad Sci [D] (Paris) 275:1415-21, 25 Sep 72 (Fre)

[Age and endocrine function of the testes in adult man] Nieschlag E, et al.
Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Subunits of human chorionic gonadotrophin: an immunochemical study. Donini S, et al.
Acta Endocrinol (Kbh) 73:133-45, May 73

Pharmacology of cyanate. II. Effects on the endocrine system. Graziano JH, et al.
J Pharmacol Exp Ther 185:667-75, Jun 73

SECRETION

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women.

Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73

Ectopic production of human chorionic gonadotropin in Ugandan patients with hepatocellular carcinoma. Braunstein GD, et al. **Cancer 32:223-6, Jul 73**

Differential effect of cyclic adenosine monophosphate on the secretion of human placental lactogen and human chorionic gonadotropin. Handwerger S, et al.
J Clin Endocrinol Metab 36:1268-70, Jun 73

Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)

[Gastric adenocarcinoma with trophoblastic differentiation and gonadotrophin production] Rivadeneyra J, et al.
Arch Invest Med (Mex) 3:503-12, 1972 (Spa)

THERAPEUTIC USE

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73

Unusual responses of infertile women to human gonadotropins. Crooke AC, et al.
Am J Obstet Gynecol 116:706-10, 1 Jul 73

Reproductive failure after clomiphene induced ovulation. Correy JF, et al.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73

About gonadotropic stimulation of the hypofunction of ovaries in sterile women. Klačanský T.
Endocrinol Exp (Bratisl) 7:75-9, 1973

Human sperm capacitation and in vitro fertilization. Soupart P, et al. **Fertil Steril 24:462-78, Jun 73**

Testosterone in high dosage for the treatment of impotence: effect on serum FSH when combined with chorionic gonadotropin: case report. Sternberg JL.
J Am Geriatr Soc 21:271-4, Jun 73

Results of treatments of infertile women with defective luteal phases by human menopausal gonadotrophin and human chorionic gonadotrophin. Cooke ID. **J Reprod Fertil 33:355, May 73**

[Histochemical studies in malpositions of the testis following treatment with human chorionic gonadotropin (HCG) in animal experiment and clinical patient material] Moormann JG.
Ann Univ Sarav [Med] 19:85-144, 1972 (Ger)

[Dispensary observation and treatment of children and adolescents with physical and sexual retardation] Vlasenko LP. **Pediatriia 52:72-3, Jan 73 (Rus)**

URINE

Subunits of human chorionic gonadotrophin: an immunochemical study. Donini S, et al.
Acta Endocrinol (Kbh) 73:133-45, May 73

Detailed hormonal studies during and after pregnancy in a previously hypophysectomized patient. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:117-32, May 73

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al.
Am J Obstet Gynecol 116:616-21, 1 Jul 73

Evaluation of a latex tube agglutination-inhibition pregnancy test. An analysis of 1,776 specimens. Horwitz CA, et al.
Am J Obstet Gynecol 116:626-32, 1 Jul 73

Therapeutic abortion of early human gestation with vaginal suppositories of prostaglandin (F 2 .). Tredway DR, et al.
Am J Obstet Gynecol 116:795-8, 15 Jul 73

Lung metastatic choriocarcinoma: chemotherapy and lobectomy. Wainrach B, et al. **Chest 63:1029-30, Jun 73**

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem 19:602-7, Jun 73**

Three further cases of triploidy in man surviving to birth. Walker S, et al. **J Med Genet 10:135-41, Jun 73**

Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG). Bagshawe KD, et al.
J Obstet Gynaecol Br Commonw 80:461-8, May 73

Maternal synthesis of haemoglobin F in pregnancy. Pembrey ME, et al. **Lancet 1:1350-4, 16 Jun 73**

Uterine cancer with choriocarcinoma-mimicry and urinary gonadotropic activities. Sasano N, et al.
Tohoku J Exp Med 109:29-39, Jan 73

[Hydatidiform mole (symposium by invitation)]
Geburtshilfe Frauenheilkd 33:338-60, May 73 (Eng. Abstr.) (Ger)

[Prognostic importance of the semiquantitative immunochemical urine HCG determination in early pregnancy] Kalamaras E, et al.
God Zb Med Fak Skopje 18:157-62, 1972 (Ser)

GONADOTROPINS, EQUINE

ADMINISTRATION & DOSAGE

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al.
J Anim Sci 36:1129-36, Jun 73

PHARMACODYNAMICS

Effects of reproductive tissue-specific antisera on rabbit eggs. Sacco AG, et al.
Biol Reprod 8:481-90, May 73

The effect of litter size upon foetal growth rate and the placental transfer of calcium and phosphorus in superovulated Scottish half-bred ewes. Twardock AR, et al. **Br J Nutr 29:437-46, May 73**

Effect of superovulation on litter size of swine at 70 days of gestation. Deneke WA, et al.
J Anim Sci 36:1137-8, Jun 73

Effect of placental gonadotropin on pregnancy rate in the bovine. Wagner JF, et al.
J Anim Sci 36:1129-36, Jun 73

Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. **J Biol Chem 248:5042-9, 25 Jul 73**

The influence of exteroceptive stimuli and pheromonal facilitation of ovulation in different strains of mice. Eleftheriou BE, et al. **J Endocrinol 57:363-70, Jun 73**

Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation in rats. Labhsetwar AP.
J Reprod Fertil 33:545-8, Jun 73

Ovulation, fertility and prenatal mortality in heifers treated with PMSG or porcine FSH. Laster DB.
J Reprod Fertil 33:275-82, May 73

Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin. Neal P, et al.
J Reprod Fertil 33:399-401, Jun 73

Comparison of the induced preovulatory LH discharge in lactating and dry sheep during seasonal anoestrus. Pelletier J, et al. **J Reprod Fertil 33:310-3, May 73**

PLACENTAL EXTRACTS

[Trasylol as inhibitor of the thromboplastic effect of amniotic fluid and placental extracts] Siunsky R.
Folia Haematol (Leipz) 98:338-45, 1972 (Eng. Abstr.) (Ger)

PLACENTAL LACTOGEN

A rapid double-antibody radioimmunoassay for human placental lactogen. Hindocha P, et al.
Clin Chim Acta 45:309-11, 18 May 73

ANALYSIS

Amino acid sequence of human chorionic somatomammotropin. Li CH, et al.
Arch Biochem Biophys 155:95-110, Mar 73

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem 19:602-7, Jun 73**

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:203-18, Apr 72 (85 ref.)

Amniotic fluid assays in high-risk pregnancy. Rajan R.
Clin Obstet Gynecol 16:313-28, Mar 73 (58 ref.)

Comparison of baboon and human placental lactogens. Josimovich JB, et al. **Endocrinology 93:242-4, Jul 73**

Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. **Science 180:968-71, 1 Jun 73**

BLOOD

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem 19:602-7, Jun 73**

LIBRARY OF U. URBANA-CHAMPAIGN

Diabetes in pregnancy. Carrington ER.
Clin Obstet Gynecol 16:28-46, Mar 73
Human placental lactogen in high-risk pregnancy. Spellacy WN.
Clin Obstet Gynecol 16:298-312, Mar 73 (36 ref.)
Placental lactogen levels in threatened abortion. Niven PA, et al. Proc R Soc Med 66:188, Feb 73
[High risk pregnancies. Prognostic value and plasma levels of human chorionic somatomammotropin] Cohen M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:697-713, Oct-Nov 72 (Eng. Abstr.) (Fre)
[Behavior of placental lactogen level in serum and estradiol excretion in pregnant women under the treatment for EPH (edema, proteinuria, hypertension) gestosis with heparin and complamin] Weber H, et al. Med Welt 23:1948-51, 16 Dec 72 (Ger)
[Placenta insufficiency] Haller U.
Z Allgemeinmed 49:509-18, 20 Apr 73 (Ger)
[Human placentar lactogen (HPL) in the serum. Its diagnostic value in intra-uterine retardation of growth] Bellmann O, et al.
Z Geburtshilfe Perinatol 177:97-109, Apr 73 (Eng. Abstr.) (Ger)
[Human placentar lactogen (HPL) in the serum of pregnant women with diabetes, Rh-incompatibility, severe toxemia and twins] Bellmann O, et al.
Z Geburtshilfe Perinatol 177:110-8, Apr 73 (Eng. Abstr.) (Ger)
[Human placental lactogen in endangered pregnancy] Schmitt R, et al.
Z Geburtshilfe Perinatol 177:118-28, Apr 73 (Eng. Abstr.) (Ger)
[Phadebas hCS test kit] Tojo S, et al.
Clin Endocrinol (Tokyo) 21:79-85, Jan 73 (Jap)

ISOLATION & PURIFICATION

Amino acid sequence of human chorionic somatomammotropin. Li CH, et al.
Arch Biochem Biophys 155:95-110, Mar 73

METABOLISM

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)

PHARMACODYNAMICS

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)
Comparison of baboon and human placental lactogens. Josimovich JB, et al. Endocrinology 93:242-4, Jul 73
Effect of human chorionic somatomammotrophin and human chorionic gonadotrophin on phytohaemagglutinin-induced lymphocyte transformation. Contractor SF, et al.
Nature [New Biol] 243:284-6, 27 Jun 73

PHYSIOLOGY

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)
Diabetes and pregnancy. Tsai A, et al.
J Reprod Med 11:23-8, Jul 73

SECRETION

Differential effect of cyclic adenosine monophosphate on the secretion of human placental lactogen and human chorionic gonadotropin. Handwerger S, et al.
J Clin Endocrinol Metab 36:1268-70, Jun 73

URINE

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. Clin Chem 19:602-7, Jun 73

SOMATOMAMMOTROPHIN

Human chorionic somatomammotrophin and its clinical significance. Hartog M. Clin Endocrinol (Oxf) 1: 208-18, Apr 72 (85 ref.).

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. Clin Chem 19:602-7, Jun 73

Amino acid sequence of human chorionic somatomammotropin. Li CH, et al. Arch Biochem Biophys 155:95-110, Mar 73

Effect of human chorionic somatomammotrophin and human chorionic gonadotrophin on phytohaemagglutinin-induced lymphocyte transformation. Contractor SF, et al. Nature (New Biol) 243:284-6, 27 Jun 73.

(High risk pregnancies. Prognostic value and plasma levels of human chorionic somatomammotropin) Cohen M, et al. J Gynecol Obstet Biol Reprod (Paris) 1:697-713, Oct-Nov 72 (Eng Abstr.) (Fre)

PARATHYROID AND BONE

I. *Physical and Functional Aspects*

PARATHYROID GLANDS

Effect of parathyroid extract on blood calcium and osteoclast count in mice. Tatevossian A. **Calcif Tissue Res** 11:251-7, 12 Mar 73

Bone resorption in vitro induced by products of human gingival cells in culture. Jacobsen N, et al. **J Periodont Res** 8:171-8, 1973

The effect of a diphosphonate on uremic hyperparathyroidism. Kaye M. **Nephron** 10:188-94, 1973

ABNORMALITIES

Parathyroid problems. **Med J Aust** 1:719-20, 14 Apr 73

Clinical manifestations of immunodeficiency disorders. Barandun S. **Monogr Hum Genet** 6:160-71, 1972

[Primary immunodeficient syndromes] Stoppoloni G. **Pediatria (Napoli)** 81:147-200, 31 Mar 73 (231 ref.) (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Wells SA, et al. **Transplantation** 15:179-82, Jan 73

CYTOLOGY

An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. Jordan RK, et al. **J Anat** 114:115-36, Jan 73

DRUG EFFECTS

Influence of calcium and magnesium on respiration of isolated parathyroid cells from the rat. Hansson CG, et al. **Endocrinology** 92:1582-7, Jun 73

Effects of saline infusions on calcium concentration in plasma ultrafiltrate and on the ultrastructure of the parathyroid glands of the rat. Spornitz UM, et al. **Pfluegers Arch** 340:161-74, 18 May 73

EMBRYOLOGY

An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. Jordan RK, et al. **J Anat** 114:115-36, Jan 73

METABOLISM

Influence of calcium and magnesium on respiration of isolated parathyroid cells from the rat. Hansson CG, et al. **Endocrinology** 92:1582-7, Jun 73

Epidemiologic vagaries of renal osteodystrophy. Vaisrub S. **JAMA** 224:1755-6, 25 Jun 73

PATHOLOGY

Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. **Med J Aust** 1:421-6, 3 Mar 73

Effect of nutritional hyperparathyroidism on experimental periodontitis in the dog. Svanberg G, et al. **Scand J Dent Res** 81:155-62, 1973

Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Wells SA, et al. **Transplantation** 15:179-82, Jan 73

PHYSIOLOGY

Mobilization of the epithelial potencies of the thymus by physiological and non-physiological inducers. Csaba G. **Acta Biol Acad Sci Hung** 23:237-45, 1972

Calcium-sensitive site in the carotid trunk at the thyroid artery issue, influencing the respiratory centre. Mosonyi L, et al. **Acta Physiol Acad Sci Hung** 42:25-30, 1972

Dietary magnesium, calcium homeostasis, and parathyroid gland activity of chickens. Breitenbach RP, et al. **Am J Physiol** 225:12-7, Jul 73

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol** 35:305-28, 1973 (108 ref.)

Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Conaway HH, et al. **Calcif Tissue Res** 11:323-30, 30 Mar 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Age dependent changes in the susceptibility of parathyroidectomized, pinealectomized rats to seizures. Pomerantz G, et al. **Exp Neurol** 40:254-7, Jul 73

Calcitonin and glucose uptake by isolated rat diaphragm. Gozariu L, et al. **Horm Metab Res** 5:145, Mar 73

Effect of volume expansion on sodium excretion in the presence and absence of increased delivery from superficial proximal tubules. Knox FG, et al. **J Clin Invest** 22:1642-6, Jul 73

Calcium metabolism and secretion of gastric juice. Hart W, et al. **Neth J Med** 16:29-37, 1973 (93 ref.)

Carbonic anhydrase and bone resorption. **Nutr Rev** 31:101-2, Mar 73 (2 ref.)

Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Wells SA, et al. **Transplantation** 15:179-82, Jan 73

[Chronic effects of thyroid iodothyronines and iodotyrosines on blood levels and urinary elimination of phosphate and calcium in the adult female rat] Prelot M, et al. **J Physiol (Paris)** 65:Suppl 3:482A, 1972 **(Fre)**

[Parathyroid hormone and calcitonin] Fujita T. **Clin Endocrinol (Tokyo)** 21:13-7, Jan 73 **(Jap)**

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al. **Usp Fiziol Nauk** 3:52-68, Jan-Mar 72 (72 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Ultimobranchial or calcitonic osteopathies] Szántó D. **Z Gesamte Inn Med** 28:227-32, 15 Apr 73 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Arteriography in the diagnosis and localization of parathyroid adenoma] Fendler JP, et al. **Nouv Presse Med** 2:1719-20, 23 Jun 73 **(Fre)**

SECRETION

Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism. Shimkin PM, et al. **Ann Intern Med** 78:714-6, May 73

Blood levels of parathyroid hormone in disorders of

LIBRARY U. OF I., URBANA-CHAMPAIGN

calcium metabolism. Reiss E, et al.
Annu Rev Med 24:217-32, 1973 (103 ref.)

Effects of saline infusions on calcium concentration in plasma ultrafiltrate and on the ultrastructure of the parathyroid glands of the rat. Spornitz UM, et al.
Pfluegers Arch 340:161-74, 18 May 73

[Electron microscopy findings on parathyroid adenomas of varying endocrine activity] Thiele J, et al.
Virchows Arch [Zellpathol] 12:168-88, 31 Jan 73 (Eng. Abstr.) (Ger)

[Organ culture of the parathyroid gland] Fujita T, et al.
Folia Endocrinol Jap 49:707-15, 20 Apr 73 (Eng. Abstr.) (Jap)

SURGERY

Parathyroidectomy for hyperplasia in renal disease. Katz AD, et al. **Arch Surg** 107:51-5, Jul 73

Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Conaway HH, et al. **Calcif Tissue Res** 11:323-30, 30 Mar 73

TRANSPLANTATION

Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Wells SA, et al.
Transplantation 15:179-82, Jan 73

[Homotransplantation of the thyroid-parathyroid complex in myxedema] Tochilin VI.
Khirurgiia (Mosk) 48:20-4, Sep 72 (Eng. Abstr.) (Rus)

PARATHYROID AND BONE

11. *Disorders of the Parathyroid Glands*

HYPERPARATHYROIDISM

Primary hyperparathyroidism. Burcharth F, et al. Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)
The calcium infusion test in primary hyperparathyroidism. Mosekilde L, et al. Acta Med Scand 193:331-6, Apr 73
[Clinical description of hyperparathyroidism] Fujita T. Jap J Nurs Art 19:53-60, May 73 (Jap)
[Clinico-pathologoanatomic characteristics of visceral forms of hyperparathyreosis] Sgibneva OV, et al. Vrach Delo 4:110-2, Apr 73 (Rus)
[Pseudohyperparathyroidism] Micić R, et al. Srp Arh Celok Lek 100:1017-31, Sep 72 (Eng. Abstr.) (Ser)

BLOOD

Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism. Shimkin PM, et al. Ann Intern Med 78:714-6, May 73
Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al. Arch Intern Med 132:107-11, Jul 73
Problems in acute hyperparathyroidism. Burcharth F, et al. Br J Surg 60:361-3, May 73
The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al. Can Med Assoc J 108:883 passim, 7 Apr 73
Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. Clin Chem 19:575-82, Jun 73
Non-autonomy of hormone secretion in primary hyperparathyroidism. Murray TM, et al. Clin Endocrinol (Oxf) 1:235-46, Jul 72
Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. Clin Endocrinol (Oxf) 1:149-55, Apr 72
The effect of secretin on serum calcium in man. Isenberg JI, et al. J Clin Endocrinol Metab 37:30-3, Jul 73
Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. Mt Sinai J Med NY 40:433-47, May-Jun 73
Parathyroid hormone levels in the blood] Corvilain J, et al. Bull Acad R Med Belg 12:303-22, 1972 (Fre)
Parathormone secretion and phosphate. Studies in normal cows and in patients with primary hyperparathyroidism] Fischer JA, et al. Schweiz Med Wochenschr 103:842-4, 9 Jun 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Primary hyperparathyroidism. Burcharth F, et al. Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)
Endocrine and metabolic aspects of urology. Aetiology of stone formation in 145 renal stone patients. Transbol I, et al. Acta Chir Scand [Suppl] 433:137-53, 1973
Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. Am J Surg 126:67-73, Jul 73
The chicken or the egg--idiopathic hypercalciuria. Goldsmith RS, et al. Ann Intern Med 78:967, Jun 73
Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al. Arch Intern Med 132:107-11, Jul 73
Problems in acute hyperparathyroidism. Burcharth F, et al. Br J Surg 60:361-3, May 73
Treatment of patients with calcium-containing renal stones with cellulose phosphate. Pietrek J, et al. Br J Urol 45:136-43, Apr 73
Quantitative skeletal histology in untreated end-stage renal failure. Ingham JP, et al. Br Med J 2:745-8, 30 Jun 73
The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al. Can Med Assoc J 108:883 passim, 7 Apr 73
Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. Clin Endocrinol (Oxf) 1:149-55, Apr 72
Gout and pseudogout. MacCarty DJ Jr, et al. Geriatrics 28:110-20, Jun 73
Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. Med J Aust 1:421-6, 3 Mar 73
Secondary hyperparathyroidism. Rasmussen H. Mt Sinai J Med NY 40:462-73, May-Jun 73
The cellular basis of metabolic bone disease. Rasmussen H, et al. N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)
Medullary sponge kidney associated with parathyroid adenoma. A report of two cases. Stella FJ, et al. Nephron 10:332-6, 1973
Calcium metabolism and secretion of gastric juice. Hart W, et al. Neth J Med 16:29-37, 1973 (93 ref.)
Multiple endocrine adenomatosis and peptic ulcer. Tomlinson S. Proc R Soc Med 66:445-6, May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al. Surgery 74:21-9, Jul 73
[Calcium excretion in urine in hyperparathyroidism] Johansen JK, et al. Ugeskr Laeger 135:644-6, 19 Mar 73 (Eng. Abstr.) (Dan)
[Normocalcemic fibrocystic osteitis. Apropos of an observation. Diagnostic problem and pathogenic interest] Dorfmann H, et al. Ann Med Interne (Paris) 124:217-23, Mar 73 (Fre)
[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al. Nouv Presse Med 2:771-3, Mar 72 (Fre)
[Primary hyperparathyroidism and rheumatoid polyarthritis (apropos of a case)] Saporta L, et al. Rev Rhum Mal Osteoartic 39:303-6, Apr 72 (Fre)
[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al. Sem Hop Paris 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)
[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al. Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)
[General radiology of osteopathies] Ellegast HH. Radiologe 13:147-54, Apr 73 (Ger)
[Ultimobranchial or calcitonic osteopathies] Szántó D. Z Gesamte Inn Med 28:227-32, 15 Apr 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Primary hyperparathyroidism. Burcharth F, et al. Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)
Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al. Arch Intern Med 132:107-11, Jul 73
Problems in acute hyperparathyroidism. Burcharth F, et al. Br J Surg 60:361-3, May 73
Thorotrast-induced hepatoma presenting as hyperparathyroidism. Kiely JM, et al. Cancer 31:1312-4, Jun 73
Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. Clin Chem 19:575-82, Jun 73
Non-autonomy of hormone secretion in primary hyperparathyroidism. Murray TM, et al. Clin Endocrinol (Oxf) 1:235-46, Jul 72
Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. Med J Aust 1:421-6, 3 Mar 73
Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. N Engl J Med 289:176-81, 26 Jul 73
[Calcium excretion in urine in hyperparathyroidism] Johansen JK, et al. Ugeskr Laeger 135:644-6, 19 Mar 73 (Eng. Abstr.) (Dan)
[Secondary hyperparathyroidism in patients with

LIBRARY UL OF I.. URBANA-CHAMPAIGN

chronic kidney failure] Fillastre JP, et al. **Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Results of 100 operations in primary hyperparathyroidism] Stukkey AL,, et al. **Vestn Khir 110:33-8, Mar 73 (Rus)**

[Clinico-pathologoanatomic characteristics of visceral forms of hyperparathyreosis] Sgibneva OV, et al. **Vrach Delo 4:110-2, Apr 73 (Rus)**

DRUG THERAPY

[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al. **Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)**

ETIOLOGY

Parathyroid localization by angiographic techniques in patients with previous neck surgery. Doppman JL, et al. **Br J Radiol 46:403-18, Jun 73**

Problems in acute hyperparathyroidism. Burcharth F, et al. **Br J Surg 60:361-3, May 73**

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf) 1:149-55, Apr 72**

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY 40:433-47, May-Jun 73**

[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. **Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)**

[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al. **Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al. **Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Results of 100 operations in primary hyperparathyroidism] Stukkey AL, et al. **Vestn Khir 110:33-8, Mar 73 (Rus)**

[Pseudohyperparathyroidism] Mićić R, et al. **Srp Arh Celok Lek 100:1017-31, Sep 72 (Eng. Abstr.) (Ser)**

IMMUNOLOGY

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD. **Mt Sinai J Med NY 40:422-32, May-Jun 73**

METABOLISM

Partial escape of magnesium from the renal action of parathyroid hormone in hyperparathyroidism. Hornum I, et al. **Acta Med Scand 193:325-30, Apr 73**

The calcium infusion test in primary hyperparathyroidism. Mosekilde L, et al. **Acta Med Scand 193:331-6, Apr 73**

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf) 1:149-55, Apr 72**

Polymeric collagen of skin in normal sunjects and in patients with inherited connective tissue disorders. Francis MJ, et al. **Clin Sci 44:429-38, May 73**

Studies in calcium absorption: initial entry calcium into the gastrointestinal tract in hyperparathyroidism and in a case of renal tubular acidosis. Barzel US, et al. **Nephron 10:714-87, 1973**

[Experimental hyperparathyroidism and sodium-potassium metabolism in children] Szczepski O, et al. **Pediatr Pol 48:561-5, May 73 (Eng. Abstr.) (Pol)**

OCCURRENCE

Calcium and gastric secretion. Barreras RF. **Gastroenterology 64:1168-84, Jun 73 (103 ref.)**

PATHOLOGY

Quantitative histological measurements of bone turnover in primary hyperparathyroidism. Wilde CD, et al. **Calcif Tissue Res 12:137-42, 9 May 73**

Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. **Med J Aust 1:421-6, 3 Mar 73**

[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al. **Sem Hop Paris 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Sacroiliac findings in hyperparathyroidism (radiography, histomorphology)] Dihlmann W, et al. **Radiologe 13:160-3, Apr 73 (Ger)**

[Comparative study on histologic, microradiographic and radiographic skeletal findings in hyperparathyroidism] Kruse HP, et al. **Radiologe 13:155-9, Apr 73 (Ger)**

[Clinico-pathologoanatomic characteristics of visceral forms of hyperparathyreosis] Sgibneva OV, et al. **Vrach Delo 4:110-2, Apr 73 (Rus)**

PHYSIOPATHOLOGY

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med 131:828-59, Jun 73**

Calcium metabolism and secretion of gastric juice. Hart W, et al. **Neth J Med 16:29-37, 1973 (93 ref.)**

[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al. **Sem Hop Paris 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)**

RADIOGRAPHY

Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. **Am J Surg 126:67-73, Jul 73**

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al. **Can Med Assoc J 108:883 passim, 7 Apr 73**

[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al. **Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Sacroiliac findings in hyperparathyroidism (radiography, histomorphology)] Dihlmann W, et al. **Radiologe 13:160-3, Apr 73 (Ger)**

[Comparative study on histologic, microradiographic and radiographic skeletal findings in hyperparathyroidism] Kruse HP, et al. **Radiologe 13:155-9, Apr 73 (Ger)**

SURGERY

Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. **Am J Surg 126:67-73, Jul 73**

Problems in acute hyperparathyroidism. Burcharth F, et al. **Br J Surg 60:361-3, May 73**

Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. **Med J Aust 1:421-6, 3 Mar 73**

Parathyroid problems. **Med J Aust 1:719-20, 14 Apr 73**

The treatment of hypercalcaemia. **Med J Aust 1:419, 3 Mar 73**

Medullary sponge kidney associated with parathyroid adenoma. A report of two cases. Stella FJ, et al. **Nephron 10:332-6, 1973**

[Surgical treatment of primary hyperparathyroidism] Testart J, et al. **Sem Hop Paris 49:23-6, Jan 73 (Fre)**

THERAPY

[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al. **Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)**

URINE

The chicken or the egg--idiopathic hypercalciuria. Goldsmith RS, et al. **Ann Intern Med 78:967, Jun 73**

[Calcium excretion in urine in hyperparathyroidism] Johansen JK, et al. **Ugeskr Laeger 135:644-6, 19 Mar 73 (Eng. Abstr.) (Dan)**

HYPERPARATHYROIDISM, SECONDARY

BLOOD

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY 40:433-47, May-Jun 73**

[Parathyroid hormone levels in the blood] Corvilain J, et al. **Bull Acad R Med Belg 12:303-22, 1972 (Fre)**

CLASSIFICATION

Secondary hyperparathyroidism. Rasmussen H. **Mt Sinai J Med NY 40:462-73, May-Jun 73**

PARATHYROID AND BONE

COMPLICATIONS

Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. **Nephron** 10:141-56, 1973

Effect of nutritional hyperparathyroidism on experimental periodontitis in the dog. Svanberg G, et al. **Scand J Dent Res** 81:155-62, 1973

DIAGNOSIS

Primary hyperparathyroidism. Burcharth F, et al. **Acta Chir Scand [Suppl]** 433:169-77, 1973 (30 ref.)

DRUG THERAPY

The effect of a diphosphonate on uremic hyperparathyroidism. Kaye M. **Nephron** 10:188-94, 1973

ETIOLOGY

Parathyroidectomy for hyperplasia in renal disease. Katz AD, et al. **Arch Surg** 107:51-5, Jul 73

Secondary hyperparathyroidism. Rasmussen H. **Mt Sinai J Med NY** 40:462-73, May-Jun 73

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY** 40:433-47, May-Jun 73

The effect of a diphosphonate on uremic hyperparathyroidism. Kaye M. **Nephron** 10:188-94, 1973

Effect of nutritional hyperparathyroidism on experimental periodontitis in the dog. Svanberg G, et al. **Scand J Dent Res** 81:155-62, 1973

METABOLISM

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. **Dtsch Med Wochenschr** 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

OCCURRENCE

Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. **Nephron** 10:141-56, 1973

PATHOLOGY

[Sacroiliac findings in hyperparathyroidism (radiography, histomorphology)] Dihlmann W, et al. **Radiologe** 13:160-3, Apr 73 (Ger)

[Comparative study on histologic, microradiographic and radiographic skeletal findings in hyperparathyroidism] Kruse HP, et al. **Radiologe** 13:155-9, Apr 73 (Ger)

[Determination of calcium in histological sections] Hostýn L, et al. **Cesk Patol** 9:105-8, May 73 (Eng. Abstr.) (Slo)

RADIOGRAPHY

[Sacroiliac findings in hyperparathyroidism (radiography, histomorphology)] Dihlmann W, et al. **Radiologe** 13:160-3, Apr 73 (Ger)

[Comparative study on histologic, microradiographic and radiographic skeletal findings in hyperparathyroidism] Kruse HP, et al. **Radiologe** 13:155-9, Apr 73 (Ger)

SURGERY

Parathyroidectomy for hyperplasia in renal disease. Katz AD, et al. **Arch Surg** 107:51-5, Jul 73

THERAPY

Divalent ion metabolism and the kidney. Parsons V. **Nephron** 10:157-73, 1973 (82 ref.)

HYPOPARATHYROIDISM

[Anatomoclinical case of hemochromatosis with hypoparathyroidism and liver neoplasm] Pawlotsky Y, et al. **Rev Rhum Mal Osteoartic** 39:259-70, Apr 72 (Eng. Abstr.) (Fre)

BLOOD

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY** 40:433-47, May-Jun 73

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

COMPLICATIONS

Chronic mucocutaneous candidiasis and alopecia areata. Stankler L, et al. **Br J Dermatol** 88:204, Feb 73

The cellular basis of metabolic bone disease. Rasmussen H, et al. **N Engl J Med** 289:25-32, 5 Jul 73 (6 ref.)

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

[Ultimobranchial or calcitonic osteopathies] Szántó D. **Z Gesamte Inn Med** 28:227-32, 15 Apr 73 (Eng. Abstr.) (Ger)

CONGENITAL

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

DRUG THERAPY

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

[Adverse effects of longtime dihydrotachysterol substitution therapy] Kaiser W, et al. **Z Gesamte Inn Med** 28:117-8, 15 Apr 73 (Eng. Abstr.) (Ger)

ETIOLOGY

Magnesium, vitamin D, and parathyroid hormone. Anast CS, et al. **Lancet** 1:1389-90, 16 Jun 73

Basal ganglia calcification in postoperative hypoparathyroidism. Smith KD, et al. **NY State J Med** 73:1807-9, 1 Jul 73

The continuing development of the technique of thyroidectomy. Thompson NW, et al. **Surgery** 73:913-27, Jun 73

[Non-neoplastic diseases of the thyroid. Analysis of the immediate and long-term results of 938 thyroidectomies] Bergmann F, et al. **Minerva Urol** 28:855-61, 1973 (Fre)

[Anatomoclinical case of hemochromatosis with hypoparathyroidism and liver neoplasm] Pawlotsky Y, et al. **Rev Rhum Mal Osteoartic** 39:259-70, Apr 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Idiopathic hypoparathyroidism and idiopathic hypoadrenalism occurring separately in two siblings. Hooper MJ, et al. **Med J Aust** 1:990-3, 19 May 73

IMMUNOLOGY

[Cellular immunity to organ antigens in endocrine diseases. A study of the leukocyte migration test] Goust JM, et al. **Rev Fr Endocrinol Clin** 13:401-11, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med** 131:828-59, Jun 73

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. **N Engl J Med** 289:359-65, 16 Aug 73 (71 ref.)

[Anatomoclinical case of hemochromatosis with hypoparathyroidism and liver neoplasm] Pawlotsky Y, et al. **Rev Rhum Mal Osteoartic** 39:259-70, Apr 72 (Eng. Abstr.) (Fre)

OCCURRENCE

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PATHOLOGY

[Anatomoclinical case of hemochromatosis with hypoparathyroidism and liver neoplasm] Pawlotsky Y, et al.
Rev Rhum Mal Osteoartic 39:259-70, Apr 72 (Eng. Abstr.) (Fre)

THERAPY

[Homotransplantation of the thyroid-parathyroid complex in myxedema] Tochilin VI.
Khirurgiia (Mosk) 48:20-4, Sep 72 (Eng. Abstr.) (Rus)

PARATHYROID DISEASES

BLOOD

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al.
Annu Rev Med 24:217-32, 1973 (103 ref.)

COMPLICATIONS

[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al.
Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)

DRUG THERAPY

Treatment of Salmonella paratyphi A osteomyelitis with trimethoprim-sulphamethoxazole. Farid Z, et al.
J Trop Med Hyg 76:91-3, Apr 73

ETIOLOGY

Parathyroidectomy for hyperplasia in renal disease. Katz AD, et al. **Arch Surg 107:51-5, Jul 73**
[Surgical treatment of toxic goiter] Zakharova GN, et al. **Vestn Khir 110:33-6, Jan 73 (Eng. Abstr.) (Rus)**

IMMUNOLOGY

[Autoimmune pathological aspects of endocrine diseases] Piotti LE, et al.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)

RADIOTHERAPY

Parathyroid localization by angiographic techniques in patients with previous neck surgery. Doppman JL, et al. **Br J Radiol 46:403-18, Jun 73**

SURGERY

Parathyroidectomy for hyperplasia in renal disease. Katz AD, et al. **Arch Surg 107:51-5, Jul 73**

PARATHYROID GLANDS

ABNORMALITIES

Parathyroid problems. **Med J Aust 1:719-20, 14 Apr 73**
Clinical manifestations of immunodeficiency disorders. Barandun S. **Monogr Hum Genet 6:160-71, 1972**
[Primary immunodeficient syndromes] Stoppoloni G.
Pediatria (Napoli) 81:147-200, 31 Mar 73 (231 ref.) (Eng. Abstr.) (Ita)

PARATHYROID NEOPLASMS

[Parathyroid gland cancer. General review of 109 cases] Murie N, et al.
Nouv Presse Med 2:1293-6, 12 May 73 (Eng. Abstr.) (Fre)

BLOOD

Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al.
Annu Rev Med 24:217-32, 1973 (103 ref.)
Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. **Clin Chem 19:575-82, Jun 73**
Non-autonomy of hormone secretion in primary hyperparathyroidism. Murray TM, et al.
Clin Endocrinol (Oxf) 1:235-46, Jul 72
[Parathyroid hormone levels in the blood] Corvilain J, et al. **Bull Acad R Med Belg 12:303-22, 1972 (Fre)**

COMPLICATIONS

Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. **Am J Surg 126:67-73, Jul 73**
Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73
Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al.
Arch Intern Med 132:107-11, Jul 73
Problems in acute hyperparathyroidism. Burcharth F, et al. **Br J Surg 60:361-3, May 73**
The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al.
Can Med Assoc J 108:883 passim, 7 Apr 73
Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al.
Clin Endocrinol (Oxf) 1:149-55, Apr 72
Parathyroid adenoma, parathyroid crisis, and acute pancreatitis in an adolescent. Daum F, et al.
J Pediatr 83:275-7, Aug 73
Localisation of parathyroid tumours. MacGregor GA.
Lancet 1:1257, 2 Jun 73
Pituitary and parathyroid tumours: an example of the pluriglandular syndrome. Axon AT, et al.
Proc R Soc Med 66:444-5, May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. **Surgery 73:848-58, Jun 73**
[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al.
Ann Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Normocalcemic fibrocystic osteitis. Apropos of an observation. Diagnostic problem and pathogenic interest] Dorfmann H, et al.
Ann Med Interne (Paris) 124:217-23, Mar 73 (Fre)
[A case of renal lithiasis due to parathyroid adenoma] Fontanelle J.
J Urol Nephrol (Paris) 19:292-3, Mar 73 (Fre)
[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 (Fre)
[The treatment of acute hypercalcemias with furosemide] Humbert G, et al.
Rev Rhum Mal Osteoartic 40:137-8, Feb 73 (Fre)
[Primary hyperparathyroidism and rheumatoid polyarthritis (apropos of a case)] Saporta L, et al.
Rev Rhum Mal Osteoartic 39:303-6, Apr 72 (Fre)
[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al.
Sem Hop Paris 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)
[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al.
Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)
[Hypercalcemia] Pieters G, et al.
Tunis Med 50:139-42, Mar-Apr 72 (Fre)
[Results of 100 operations in primary hyperparathyroidism] Stukkey AL, et al.
Vestn Khir 110:33-8, Mar 73 (Rus)

DIAGNOSIS

Primary hyperparathyroidism. Burcharth F, et al.
Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)
Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. **Am J Surg 126:67-73, Jul 73**
Selective thyroid venous catheterisation in the localisation of parathyroid adenoma. Bilezikian JP, et al. **Lancet 1:1441-2, 23 Jun 73**
Localisation of parathyroid tumours. MacGregor GA.
Lancet 1:1257, 2 Jun 73
An extrathyroid parathyroid adenoma presenting as a "cold" nodule on I 131 thyroid scan. Montero JM 2d, et al. **Va Med Mon 100:643-6, Jul 73**
[Parathyroid gland cancer. General review of 109 cases] Murie N, et al.
Nouv Presse Med 2:1293-6, 12 May 73 (Eng. Abstr.) (Fre)
[Hypercalcemia] Pieters G, et al.
Tunis Med 50:139-42, Mar-Apr 72 (Fre)

PARATHYROID AND BONE

FAMILIAL & GENETIC

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al. **Ann Intern Med** 78:845-52, Jun 73

Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al. **Ann Intern Med** 78:898-901, Jun 73

Chromosomes in Sipple's syndrome. Levan G, et al. **Lancet** 1:1510, 30 Jun 73

Medullary carcinoma of the thyroid gland. Dunn EL, et al. **Surgery** 73:848-58, Jun 73

[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al. **Ann Endocrinol (Paris)** 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)

METABOLISM

[Electron microscopy findings on parathyroid adenomas of varying endocrine activity] Thiele J, et al. **Virchows Arch [Zellpathol]** 12:168-88, 31 Jan 73 (Eng. Abstr.) (Ger)

PATHOLOGY

Quantitative histological measurements of bone turnover in primary hyperparathyroidism. Wilde CD, et al. **Calcif Tissue Res** 12:137-42, 9 May 73

Primary hyperparathyroidism. Experiences with 60 patients. Pratley SK, et al. **Med J Aust** 1:421-6, 3 Mar 73

[Sipple's syndrome associated with pituitary and parathyroid adenomas] Wolf LM, et al. **Ann Endocrinol (Paris)** 33:455-63, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Metastatic calcifications in primary hyperparathyroidism] Hemet J, et al. **Sem Hop Paris** 49:495-500, 8 Feb 73 (Eng. Abstr.) (Fre)

[Electron microscopy findings on parathyroid adenomas of varying endocrine activity] Thiele J, et al. **Virchows Arch [Zellpathol]** 12:168-88, 31 Jan 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Parathyroid localization by angiographic techniques in patients with previous neck surgery. Doppman JL, et al. **Br J Radiol** 46:403-18, Jun 73

[Arteriography in the diagnosis and localization of parathyroid adenoma] Fendler JP, et al. **Nouv Presse Med** 2:1719-20, 23 Jun 73 (Fre)

SURGERY

Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al. **Arch Intern Med** 132:107-11, Jul 73

Problems in acute hyperparathyroidism. Burcharth F, et al. **Br J Surg** 60:361-3, May 73

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al. **Can Med Assoc J** 108:883 passim, 7 Apr 73

Parathyroid adenoma, parathyroid crisis, and acute pancreatitis in an adolescent. Daum F, et al. **J Pediatr** 83:275-7, Aug 73

Parathyroid problems. **Med J Aust** 1:719-20, 14 Apr 73

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al. **Nouv Presse Med** 2:771-3, Mar 72 (Fre)

[Primary hyperparathyroidism and rheumatoid polyarthritis (apropos of a case)] Saporta L, et al. **Rev Rhum Mal Osteoartic** 39:303-6, Apr 72 (Fre)

[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al. **Sem Hop Paris** 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)

[Surgical treatment of primary hyperparathyroidism] Testart J, et al. **Sem Hop Paris** 49:23-6, Jan 73 (Fre)

[Results of 100 operations in primary hyperparathyroidism] Stukkey AL, et al. **Vestn Khir** 110:33-8, Mar 73 (Rus)

THERAPY

Primary hyperparathyroidism. Burcharth F, et al. **Acta Chir Scand [Suppl]** 433:169-77, 1973 (30 ref.)

[Parathyroid gland cancer. General review of 109 cases] Murie N, et al. **Nouv Presse Med** 2:1293-6, 12 May 73 (Eng. Abstr.) (Fre)

LIBRARY U. OF I., URBANA-CHAMPAIGN

III. Parathyroid Hormone

PARATHYROID HORMONE

Polymorphism of protein and polypeptide hormones. Franchimont P, et al. **Clin Endocrinol (Oxf) 1:315-36, Oct 72**

Metabolism of labeled parathyroid hormone. I. Preparation of biologically active I-125-labeled parathyroid hormone. Sammon PJ, et al. **Endocrinology 92:1596-603, Jun 73**

Effect of alloxan on calcium metabolism in mice and rats. Wang J, et al. **Horm Metab Res 5:51-2, Jan 73**

Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation. (Berson SA), (Yalow RS), Schwartz IL. **Mt Sinai J Med NY 40:284-94, May-Jun 73**

ADMINISTRATION & DOSAGE

An anaphylactic reaction to parathyroid hormone. O'Rourke JN Jr, et al. **J Allergy Clin Immunol 52:55-9, Jul 73**

ADVERSE EFFECTS

An anaphylactic reaction to parathyroid hormone. O'Rourke JN Jr, et al. **J Allergy Clin Immunol 52:55-9, Jul 73**

ANALYSIS

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD. **Mt Sinai J Med NY 40:422-32, May-Jun 73**

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY 40:433-47, May-Jun 73**

Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. **N Engl J Med 289:176-81, 26 Jul 73**

Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Wells SA, et al. **Transplantation 15:179-82, Jan 73**

BIOSYNTHESIS

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al. **Annu Rev Med 24:217-32, 1973 (103 ref.)**

Chemical and biologic studies of proparathyroid hormone and parathyroid hormone: analysis of hormone biosynthesis and metabolism. Potts JT Jr, et al. **Mt Sinai J Med NY 40:448-61, May-Jun 73**

[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P. **Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)**

BLOOD

The chicken or the egg--idiopathic hypercalciuria. Goldsmith RS, et al. **Ann Intern Med 78:967, Jun 73**

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al. **Ann Intern Med 78:845-52, Jun 73**

Calcitonin in the treatment of Paget's disease of bone. Johnston CC Jr. **Ann Intern Med 76:665-6, Apr 72 (11 ref.)**

Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al. **Ann Intern Med 78:898-901, Jun 73**

Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism. Shimkin PM, et al. **Ann Intern Med 78:714-6, May 73**

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al. **Annu Rev Med 24:217-32, 1973 (103 ref.)**

Measurement of serum parathyroid hormone, with particular reference to some infants with hypocalcaemia. Fairney A, et al. **Arch Dis Child 48:419-24, Jun 73**

Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. **Clin Chem 19:575-82, Jun 73**

Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. Habener JF, et al. **Clin Chim Acta 45:225-33, 18 May 73**

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al. **Clin Endocrinol (Oxf) 1:157-71, Apr 72**

Non-autonomy of hormone secretion in primary hyperparathyroidism. Murray TM, et al. **Clin Endocrinol (Oxf) 1:235-46, Jul 72**

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf) 1:149-55, Apr 72**

Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions. Baker RK, et al. **J Clin Endocrinol Metab 37:46-55, Jul 73**

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet 1:907-10, 28 Apr 73**

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD. **Mt Sinai J Med NY 40:422-32, May-Jun 73**

Chemical and biologic studies of proparathyroid hormone and parathyroid hormone: analysis of hormone biosynthesis and metabolism. Potts JT Jr, et al. **Mt Sinai J Med NY 40:448-61, May-Jun 73**

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY 40:433-47, May-Jun 73**

Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. **N Engl J Med 289:176-81, 26 Jul 73**

Renal osteodystrophy and its treatment. Duursma SA, et al. **Neth J Med 16:101-7, 1973**

Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al. **Surgery 74:21-9, Jul 73**

[Parathyroid hormone levels in the blood] Corvilain J, et al. **Bull Acad R Med Belg 12:303-22, 1972 (Fre)**

[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al. **Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)**

[Endocrinological and metabolical findings in obesity] Hofmann GG. **Med Klin 67:1385-8, 27 Oct 72 (32 ref.) (Ger)**

[Diagnosis: pseudohypoparathyroidism] Stögmann W. **Paediatr Paedol 8:304-6, 1973 (Ger)**

[Parathyroid hormone and calcitonin] Fujita T. **Clin Endocrinol (Tokyo) 21:13-7, Jan 73 (Jap)**

CHEMICAL SYNTHESIS

Synthesis of parathyroid hormone. **RI Med J 56:198-9, May 73**

DIAGNOSTIC USE

Non-autonomy of hormone secretion in primary hyperparathyroidism. Murray TM, et al. **Clin Endocrinol (Oxf) 1:235-46, Jul 72**

[Experimental hyperparathyroidism and sodium-potassium metabolism in children] Szczepski O, et al. **Pediatr Pol 48:561-5, May 73 (Eng. Abstr.) (Pol)**

IMMUNOLOGY

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al. **Annu Rev Med 24:217-32, 1973 (103 ref.)**

PARATHYROID AND BONE

METABOLISM

Partial escape of magnesium from the renal action of parathyroid hormone in hyperparathyroidism. Hornum I, et al. **Acta Med Scand** 193:325-30, Apr 73

Parathyroid hormone receptor in bovine kidney cortex plasma membranes. Sutcliffe HS, et al. **Clin Sci** 44:25P-26P, Jun 73

Effects of serum on the calcitonin-dependent bone resorption in vitro. Gozariu L, et al. **Endocrinol Exp (Bratisl)** 7:129-32, 1973

Metabolism of labeled parathyroid hormone. I. Preparation of biologically active I-125-labeled parathyroid hormone. Sammon PJ, et al. **Endocrinology** 92:1596-603, Jun 73

Magnesium, vitamin D, and parathyroid hormone. Anast CS, et al. **Lancet** 1:1389-90, 16 Jun 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet** 1:907-10, 28 Apr 73

Chemical and biologic studies of proparathyroid hormone and parathyroid hormone: analysis of hormone biosynthesis and metabolism. Potts JT Jr, et al. **Mt Sinai J Med NY** 40:448-61, May-Jun 73

Secondary hyperparathyroidism. Rasmussen H. **Mt Sinai J Med NY** 40:462-73, May-Jun 73

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al. **Nouv Presse Med** 2:771-3, Mar 72 **(Fre)**

[The renal physiology of phosphorus] Brunette MG. **Union Med Can** 101:2669-71, Dec 72 (Eng. Abstr.) **(Fre)**

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. **Dtsch Med Wochenschr** 98:1338-44, 6 Jul 73 (98 ref.) **(Ger)**

[Ultimobranchial or calcitonic osteopathies] Szántó D. **Z Gesamte Inn Med** 28:227-32, 15 Apr 73 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Dietary magnesium, calcium homeostasis, and parathyroid gland activity of chickens. Breitenbach RP, et al. **Am J Physiol** 225:12-7, Jul 73

An increase in activity of domestic fowls produced by nutritional deficiency. Hughes BO, et al. **Anim Behav** 21:10-7, Feb 73

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med** 131:828-59, Jun 73

Effect of alloxan on calcium metabolism in mice and rats. Wang J, et al. **Horm Metab Res** 5:51-2, Jan 73

[Importance of the adrenals in phosphocalcium regulation in guinea pigs. Effects of reserpine] Marnay-Guiat C, et al. **J Physiol (Paris)** 65:Suppl 3:446A+, 1972 **(Fre)**

PHYSIOLOGY

Renal regulation of sodium excretion. Function in health and in edema-forming states. Klahr S, et al. **Arch Intern Med** 131:780-91, Jun 73 (103 ref.)

Quantitative histological measurements of bone turnover in primary hyperparathyroidism. Wilde CD, et al. **Calcif Tissue Res** 12:137-42, 9 May 73

Secondary hyperparathyroidism. Rasmussen H. **Mt Sinai J Med NY** 40:462-73, May-Jun 73

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. **N Engl J Med** 289:359-65, 16 Aug 73 (71 ref.)

The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al. **Nephron** 10:66-112, 1973 (238 ref.)

Calcium metabolism and secretion of gastric juice. Hart W, et al. **Neth J Med** 16:29-37, 1973 (93 ref.)

Carbonic anhydrase and bone resorption. **Nutr Rev** 31:101-2, Mar 73 (2 ref.)

[The renal physiology of phosphorus] Brunette MG. **Union Med Can** 101:2669-71, Dec 72 (Eng. Abstr.) **(Fre)**

[Parathyroid hormone and calcitonin] Fujita T. **Clin Endocrinol (Tokyo)** 21:13-7, Jan 73 **(Jap)**

[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al. **Endokrynol Pol** 24:105-32, 1973 (136 ref.) **(Pol)**

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al. **Usp Fiziol Nauk** 3:26-44, Oct-Dec 72 (143 ref.) **(Rus)**

SECRETION

Hormone producing tumors of the lung. Lawrence AM. **Ann Clin Lab Sci** 3:259-64, Jul-Aug 73

Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism. Shimkin PM, et al. **Ann Intern Med** 78:714-6, May 73

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf)** 1:149-55, Apr 72

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY** 40:433-47, May-Jun 73

Effects of saline infusions on calcium concentration in plasma ultrafiltrate and on the ultrastructure of the parathyroid glands of the rat. Spornitz UM, et al. **Pfluegers Arch** 340:161-74, 18 May 73

[Endocrinological and metabolical findings in obesity] Hofmann GG. **Med Klin** 67:1385-8, 27 Oct 72 (32 ref.) **(Ger)**

[Parathormone secretion and phosphate. Studies in normal cows and in patients with primary hyperparathyroidism] Fischer JA, et al. **Schweiz Med Wochenschr** 103:842-4, 9 Jun 73 (Eng. Abstr.) **(Ger)**

[Organ culture of the parathyroid gland] Fujita T, et al. **Folia Endocrinol Jap** 49:707-15, 20 Apr 73 (Eng. Abstr.) **(Jap)**

THERAPEUTIC USE

Tetany related to postural diuresis. Crane MG, et al. **Am J Med Sci** 265:153-65, Feb 73

Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. **South Med J** 66:667-70, Jun 73

[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al. **Arch Fr Pediatr** 29:287-304, Mar 72 (Eng. Abstr.) **(Fre)**

[Principles of chronic hormone substitution] Mosonyi L. **Z Gesamte Inn Med** 28:105-11, 1 Apr 73 (Eng. Abstr.) **(Ger)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

PARATHYROID AND BONE

IV. Bone Metabolism and Related Topics

BONE AND BONES

Thermal expansion in dental tissues. Söremark R, et al. **Ann NY Acad Sci 204:169-90, 30 Mar 73**

The toxic effect of some phosphate supplements fed to sheep. McMeniman NP. **Aust Vet J 49:150-2, Mar 73**

Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Conaway HH, et al. **Calcif Tissue Res 11:323-30, 30 Mar 73**

Implant stabilization. Chemical and biomechanical considerations. Homsy CA. **Orthop Clin North Am 4:295-311, Apr 73**

[A case of diffuse and extensive angiomatosis of the skeleton] Desproges-Gotteron R, et al. **Rev Rhum Mal Osteoartic 39:306-11, Apr 72 (Fre)**

[Bone scintigraphy of the aged patients. 1. 99m Tc-polyphosphate bone scintigraphy] Yamamoto M, et al. **Jap J Nucl Med 9:561-8, Dec 72 (Eng. Abstr.) (Jap)**

ABNORMALITIES

Coffin-Siris syndrome. Two new cases. Weiswasser WH, et al. **Am J Dis Child 125:838-40, Jun 73**

Osseous changes of osteopathia striata and Pyle's disease occurring in a patient with an 11 year follow-up. A case report. Culver GJ, et al. **Am J Roentgenol Radium Ther Nucl Med 116:640-3, Nov 72**

Arteriohepatic dysplasia: familial pulmonary arterial stenosis with neonatal liver disease. Watson GH, et al. **Arch Dis Child 48:459-66, Jun 73**

The single umbilical artery and what it means. A message straight from the navel. Johnson CF. **Clin Pediatr (Phila) 12:367-71, Jun 73**

Teratology studies in mice with 2-sec-butyl-4,6-dinitrophenol (dinoseb). Gibson JE. **Food Cosmet Toxicol 11:31-43, Feb 73**

Assessment of the teratogenic activity of dithiocarbamate fungicides. Petrova-Vergieva T, et al. **Food Cosmet Toxicol 11:239-44, Apr 73**

[Neuroophthalmologic characteristics of the wide "wide thumbs" syndrome of Rubinstein-Taybi. Apropos of an undetected case] Klein D, et al. **Rev Otoneuroophtalmol 44:373-82, Jul-Sep 72 (Fre)**

[Congenital hypophosphatasia and dental organogenesis] Laplane R, et al. **Rev Stomatol Chir Maxillofac 73:543-60, Nov 72 (Eng. Abstr.) (Fre)**

[Recent data on mucopolysaccharidoses] Spranger J. **Monatsschr Kinderheilkd 121:181-3, May 73 (15 ref.) (Eng. Abstr.) (Ger)**

[Genetic analysis of skeletal diseases. Genetic report] Jörgensen G. **Radiologe 13:135-40, Apr 73 (Ger)**

[Hereditary systemic diseases of the skeleton] Spranger J. **Radiologe 13:141-6, Apr 73 (Ger)**

[Case of Rubinstein-Taybi syndrome] Tartara R. **Minerva Pediatr 25:326-8, 10 Mar 73 (Ita)**

[Anomalies in the development of rat embryo skeletons consequent to chlorid in (pyrimethamine) administration] Akimova IM. **Arkh Anat Gistol Embriol 63:77-83, Aug 72 (Eng. Abstr.) (Rus)**

[Characteristics of the injurious effects of a structural analog of the antimalarial durg chloridin (preparation IEM-687) on various stages of white rat embryogenesis] Kotb MM. **Arkh Anat Gistol Embriol 63:88-96, Aug 72 (Eng. Abstr.) (Rus)**

ANALYSIS

Development of a method of X-ray densitometry for bone mineral measurement. Griffith ER, et al. **Am J Phys Med 52:128-49, Jun 73**

The strontium content of bones and teeth of human foetuses. Wolf N, et al. **Arch Oral Biol 18:233-8, Feb 73**

A method for the determination of lysine-derived collagen crosslinks. Davis NR. **Biochem Biophys Res Commun 52:877-83, 8 Jun 73**

Analysis of a crosslinked peptide from calf bone collagen: evidence that hydroxylysyl glycoside participates in the crosslink. Eyre DR, et al. **Biochem Biophys Res Commun 52:663-71, 15 May 73**

The identification of O-phosphoserine in the soluble anionic phosphoproteins of bone. Spector AR, et al. **Biochim Biophys Acta 303:360-2, 20 Apr 73**

The dosimetry of 67 Ga citrate in man. Saunders MG, et al. **Br J Radiol 46:456-63, Jun 73**

Lead in drinking water. Hamilton EI. **Br Med J 2:664-5, 16 Jun 73**

Segment-long-spacing aggregate from pepsin-solubilized bone collagen. Kuboki Y, et al. **Bull Tokyo Med Dent Univ 20:121-9, Mar 73**

The amino-acid composition of human hard tissue collagens in osteogenesis imperfecta and dentinogenesis imperfecta. Eastoe JE, et al. **Calcif Tissue Res 12:91-100, 9 May 73**

The influence of strontium on characteristic factors of bone. Johnson AR. **Calcif Tissue Res 11:215-21, 12 Mar 73**

Calcium regulation by the chick embryo. An experimental approach. Narbaitz R, et al. **Calcif Tissue Res 11:238-41, 12 Mar 73**

Effect of diphosphonates and calcitonin on the chemistry and quantitative histology of rat bone. Russell RG, et al. **Calcif Tissue Res 11:179-95, 12 Mar 73**

A review of biochemical studies on the genetically distinct collagens of the skeletal system. Miller EJ. **Clin Orthop 92:260-80, May 73 (83 ref.)**

The effect of chelating agents on the distribution of 210 Po in rats. Volf V. **Experientia 29:307-8, 15 Mar 73**

Ultrasound measurement of os calcis width for photo absorption studies. Grob M, et al. **Invest Radiol 8:156-9, May-Jun 73**

Effects of the polyenergetic character of the spectrum of 125 I on the measurement of bone mineral content. Sandrik JM, et al. **Invest Radiol 8:143-9, May-Jun 73**

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

Feasibility of determining total-body calcium in animals and humans by measuring 37 Ar in expired air after neutron irradiation. Palmer HE. **J Nucl Med 14:522-7, Jul 73**

Haemodialysis therapy and changes in skeletal calcium. Catto GR, et al. **Lancet 1:1150-3, 26 May 73**

The distribution and binding of lithium following its long-term administration. Birch NJ, et al. **Life Sci [II] 11:1095-9, 22 Nov 72**

Magnesium status in chronic uraemic patients. Lim P, et al. **Nephron 9:300-7, 1972**

Observation of muonic x-rays from bone. Taylor MC, et al. **Radiat Res 54:335-42, Jun 73**

[Effect of binephrectomy on osteodystrophy due to chronic hemodialysis] Fournier A, et al. **J Urol Nephrol (Paris) 78:1001-3, Dec 72 (Fre)**

[Morphometric, physiological, histological, and biochemical changes in bone and muscle tissue in rat paws immobilized by plaster] Simard CP. **Vie Med Can Fr 2:325-40, Apr 73 (Fre)**

[Fluoride metabolism] Schmidt H. **Dtsch Zahn Mund Kieferheilkd 59:289-317, Nov 72 (Ger)**

[Effect of different levels of ultraviolet radiation on the deposit of lead in the body] Gabovich RD, et al. **Gig Tr Prof Zabol 17:9-12, Mar 73 (Eng. Abstr.) (Rus)**

[Importance for identification of the macro- and microelements of human long tubular bones] Iablonskii MF. **Sud Med Ekspert 16:16-8, Jan-Mar 73 (Eng. Abstr.) (Rus)**

ANATOMY & HISTOLOGY

Studies on the bacula of some Oriental bats. Agrawal VC, et al. **Anat Anz 133:180-92, 1973**

Age trends of bone mineral mass, muscle width, and subcutaneous fat in normals and osteoporotics. Meema S, et al. **Calcif Tissue Res 12:101-12, 9 May 73**

Calcium regulation by the chick embryo. An

experimental approach. Narbaitz R, et al. Calcif Tissue Res 11:238-41, 12 Mar 73
Effect of diphosphonates and calcitonin on the chemistry and quantitative histology of rat bone. Russell RG, et al. Calcif Tissue Res 11:179-95, 12 Mar 73
Effect of ethane-1-hydroxy-1,1-diphosphonate (EHDP) and dichloromethylene diphosphonate (Cl 2 MDP) on the calcification and resorption of cartilage and bone in the tibial epiphysis and metaphysis of rats. Schenk R, et al. Calcif Tissue Res 11:196-214, 12 Mar 73
The biomechanics of the epiphyseal lines as a guide to design considerations for the attachment of prosthesis to the musculo-skeletal system. Bechtol CO. J Biomed Mater Res 7:343-62, 1973
[Comparative studies on bone structure of pinnipedia. Bone structure of the walrus skeleton. 2] Kaiser HE. Anat Anz 131:454-65, 1972 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Heat and bone tissue. An experimental investigation of the thermal properties of bone and threshold levels for thermal injury. Lundskog J. Scand J Plast Reconstr Surg 9:1-80, 1972
[Microvascularization of the achilles tendon] Wladimirov B, et al. Anat Anz 133:12-9, 1973 (Ger)
[Fracture and local blood circulation disorder] Philadelphy G. Z Allgemeinmed 48:1263-6, 10 Oct 72 (Ger)
[Microscopic fractures as an etiologic factor in arthrosis and in avascular bone necrosis] Weissman SL. Harefuah 84:407-8, 1 Apr 73 (Heb)

CYTOLOGY

Cytoplasmic modifications at the contact zone of osteoclasts and calcified tissue in the diaphyseal growing plate of foetal guinea-pig tibia. Malkani K, et al. Calcif Tissue Res 11:258-64, 12 Mar 73
Polyester textile bioadhesion to muscle and bone. Dunn HK, et al. J Biomed Mater Res 7:109-35, 1973
Direct chemical bond of bioactive glass-ceramic materials to bone and muscle. Hench LL, et al. J Biomed Mater Res 7:25-42, 1973
Biomechanical investigations of bone-porous carbon and porous metal interfaces. Niles JL, et al. J Biomed Mater Res 7:63-84, 1973
Osseous attachment to vitreous carbons. Stanitski CL, et al. J Biomed Mater Res 7:97-108, 1973
Secondary hyperparathyroidism. Rasmussen H. Mt Sinai J Med NY 40:462-73, May-Jun 73
Assay to determine plastic deformations of bones in the micron range] Grünert A, et al. Res Exp Med (Berl) 160:213-9, 21 May 73 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Radiographic photodensitometric assessment of bone density changes in rats and rabbits subjected to nutritional stresses. Reddy GS, et al. Indian J Med Res 60:1807-15, Dec 72
Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73
The effect of ascorbic acid on the turnover of collagen in bone in tissue culture. Golub LM. J Periodont Res 8:71-8, 1973
Skeletal changes induced by dopa decarboxylase inhibitor in rats. Tanaka C, et al. Jap J Pharmacol 23:123-5, Feb 73
[Tetramethylurea action on the embryonic development of the mouse] Cros S, et al. Ann Pharm Fr 30:585-93, Sep 72 (Eng. Abstr.) (Fre)
[Effect of ovarian hormones and lactose, alone or combined, on bone disturbances consecutive to ovariectomy] Fontaine N. J Physiol (Paris) 65:Suppl 3:408A, 1972 (Fre)
[Current views on tetracyclines] Van Besien MY. Rev Stomatoodontol Nord Fr 27:129-30, 1972 (Fre)

EMBRYOLOGY

The collagen of osteogenic cartilage in the embryonic chick. Linsenmayer TF, et al. Biochem Biophys Res Commun 52:870-6, 8 Jun 73
A comparison of histological methods for demonstrating calcification. Heeley JD, et al. Calcif Tissue Res 12:169-73, 9 May 73
Cytoplasmic modifications at the contact zone of osteoclasts and calcified tissue in the diaphyseal growing plate of foetal guinea-pig tibia. Malkani K, et al. Calcif Tissue Res 11:258-64, 12 Mar 73
The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. McWhinnie DJ, et al. J Embryol Exp Morphol 29:515-27, Jun 73
The influence of "hypophysectomy" by means of surgical decapitation on skeletal growth in the developing chick embryo. Thommes RC, et al. J Embryol Exp Morphol 29:503-13, Jun 73

ENZYMOLOGY

Histochemistry of various acid phosphatases in developing bones and teeth in hypervitaminosis D in the rat. Hammarstrom LE, et al. Arch Oral Biol 18:109-15, Jan 73
A relative heat stability test for the identification of serum alkaline phosphatase isoenzymes. Cadeau BJ, et al. Clin Chim Acta 45:235-42, 18 May 73
Serum alkaline phosphatases. Effect of pH and buffer on optimum substrate concentration. Skillen AW, et al. Clin Chim Acta 45:287-91, 18 May 73
Characterization of alkaline phosphatase isoenzymes in serum by agar gel electrophoresis. Sundblad L, et al. Clin Chim Acta 45:219-35, 18 May 73
The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. McWhinnie DJ, et al. J Embryol Exp Morphol 29:515-27, Jun 73
[Effect of binephrectomy on osteodystrophy due to chronic hemodialysis] Fournier A, et al. J Urol Nephrol (Paris) 78:1001-3, Dec 72 (Fre)

GROWTH & DEVELOPMENT

Acceleration of growth and bone maturation in childhood thyrotoxicosis. Schlesinger S, et al. J Pediatr 83:233-6, Aug 73

INJURIES

A possible mechanism of Wolff's law: trabecular microfractures. Pugh JW, et al. Arch Int Physiol Biochim 81:27-40, Feb 73
Dislocation of the cuboid. McDonough MW, et al. J Am Podiatry Assoc 63:317-8, Jul 73
Heat and bone tissue. An experimental investigation of the thermal properties of bone and threshold levels for thermal injury. Lundskog J. Scand J Plast Reconstr Surg 9:1-80, 1972

METABOLISM

Changes of fluoride content in bone: an index of drug defluorination in vivo. Fiserova-Bergerova V. Anesthesiology 38:345-51, Apr 73
Calcium restriction and intestinal calcium-binding protein in the laying fowl. Bar A, et al. Comp Biochem Physiol [A] 45:571-7, 1 Jun 73
Effects of serum on the calcitonin-dependent bone resorption in vitro. Gozariu L, et al. Endocrinol Exp (Bratisl) 7:129-32, 1973
On the mode of the hypocalcemic action of thyrocalcitonin and its enhancement by phosphate in rats. Hirsch PF, et al. Endocrinology 93:12-9, Jul 73
The influence of age and sex on the metabolism of americium by rats. Durakovic AB, et al. Health Phys 24:541-6, May 73
Experimental inhalation of metallic silver. Phalen RF, et al. Health Phys 24:509-18, May 73
Uptake of radioactive sulphate by chick embryonic limb-bone rudiments. Chokshi HR. Indian J Biochem Biophys 9:138-40, Jun 72
Radiographic photodensitometric assessment of bone density changes in rats and rabbits subjected to nutritional stresses. Reddy GS, et al. Indian J Med Res 60:1807-15, Dec 72
Preparation of carrier-free 47 Sc by chemical separation from 47 Ca and its distribution in tumor bearing mice. Hara T, et al. Int J Appl Radiat Isot 24:373-6, Jul 73
The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . Boyle IT, et al. J Biol Chem 248:4174-80, 25 Jun 73
Fiber metal composites in the fixation of skeletal prosthesis. Galante J, et al. J Biomed Mater Res 7:43-61, 1973
Direct chemical bond of bioactive glass-ceramic

LIBRARY U. OF I., URBANA-CHAMPAIGN

materials to bone and muscle. Hench LL, et al. **J Biomed Mater Res** 7:25-42, 1973

Attachment of prostheses to the musculoskeletal system by tissue ingrowth and mechanical interlocking. Hulbert SF, et al. **J Biomed Mater Res** 7:1-23, 1973

Biomechanical investigations of bone-porous carbon and porous metal interfaces. Nilles JL, et al. **J Biomed Mater Res** 7:63-84, 1973

Osseous attachment to vitreous carbons. Stanitski CL, et al. **J Biomed Mater Res** 7:97-108, 1973

The influence of "hypophysectomy" by means of surgical decapitation on skeletal growth in the developing chick embryo. Thommes RC, et al. **J Embryol Exp Morphol** 29:503-13, Jun 73

Effects of dietary calcium and phosphorus on growth, food conversion, bone ash and hematocrit levels of catfish. Andrews JW, et al. **J Nutr** 103:766-71, May 73

Cadmium toxicity in growing swine. Cousins RJ, et al. **J Nutr** 103:964-72, Jul 73

Magnesium absorption and secretion along the gastrointestinal tract of the chicken. Guenter W, et al. **J Nutr** 103:875-81, Jun 73

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. **J Nutr** 103:681-9, May 73

Interaction of dietary fluoride and magnesium in guinea pigs. O'Dell BL, et al. **J Nutr** 103:841-50, Jun 73

The effect of ascorbic acid on the turnover of collagen in bone in tissue culture. Golub LM. **J Periodont Res** 8:71-8, 1973

Effect of previous dietary history of calcium intake on the skeleton and calcium absorption in the rat. Kemm JR. **J Physiol (Lond)** 230:643-58, May 73

Metabolic aspects of alcohol and their biological significance. Myerson RM. **Med Clin North Am** 57:925-40, Jul 73 (138 ref.)

Secondary hyperparathyroidism. Rasmussen H. **Mt Sinai J Med NY** 40:462-73, May-Jun 73

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. **N Engl J Med** 289:359-65, 16 Aug 73 (71 ref.)

The cellular basis of metabolic bone disease. Rasmussen H, et al. **N Engl J Med** 289:25-32, 5 Jul 73 (6 ref.)

Hypocalcaemia and bone disease in renal failure. Cochran M, et al. **Nephron** 10:113-40, 1973

The effect of a diphosphonate on uremic hyperparathyroidism. Kaye M. **Nephron** 10:188-94, 1973

Divalent ion metabolism and the kidney. Parsons V. **Nephron** 10:157-73, 1973 (82 ref.)

Carbonic anhydrase and bone resorption. **Nutr Rev** 31:101-2, Mar 73 (2 ref.)

Comparison of monomeric and polymeric plutonium in the dog and mouse. Baxter DW, et al. **Radiat Res** 54:556-65, Jun 73

Decorporation of monomeric plutonium from the dog by glucan and-or DTPA. Baxter DW, et al. **Radiat Res** 55:144-52, Jul 73

Metabolic characteristics of 241 Am in the adult baboon. Cohen N, et al. **Radiat Res** 55:129-43, Jul 73

Isotachysterol-3 and 25-hydroxyisotachysterol-3: analogs of 1,25-dihydrox vitamin D3. Holick MF, et al. **Science** 180:964-6, 1 Jun 73

[Experimental influencing of osseous metabolism (study using 85 Sr)] Krček L, et al. **Acta Chir Orthop Traumatol Cech** 40:97-103, Apr 73 (Eng. Abstr.) (Cze)

[90 Sr in the bones of CSSR population in the years 1964-1969] Březík Z, et al. **Cas Lek Cesk** 112:750-4, 1973 (Eng. Abstr.) (Cze)

[Comparative study of the biological metabolism of californium and other transuranic elements] Morin M, et al. **C R Acad Sci [D] (Paris)** 276:1209-11, 12 Feb 73 (Fre)

[Comparative effect of vitamin D and lactose on bone resorption consecutive to cold adaptation. Influence of adaptation time] Dupuis Y, et al. **J Physiol (Paris)** 65:Suppl 3:396A, 1972 (Fre)

[Effects of treatment with vitamin D and lactose of a chronic deficiency in calcium utilization factors in rats] Dupuis Y, et al. **Pathol Biol (Paris)** 21:397-403, Apr 73 (Eng. Abstr.) (Fre)

[The bone-scan as an indicator for reconstructional processes] Seyss R. **Arch Orthop Unfallchir** 75:255-63, 7 May 73 (Eng. Abstr.) (Ger)

[Causes and treatment of non-infectious pseudarthrosis of the upper arm diaphysis] Voorhoeve A, et al. **Arch Orthop Unfallchir** 74:317-28, 9 Feb 73 (Eng. Abstr.) (Ger)

[Dental fluorosis, comments on 3 clinical cases] Regolati B, et al. **Schweiz Monatsschr Zahnheilkd** 83:576-86, May 73 (Eng. Abstr.) (Ger)

[Calcium, phosphorus and magnesium metabolism in cows under various dietary conditions with special reference to clinical effects of the deficiency of these elements] Kryczka S. **Pol Arch Weter** 15:767-82, 1972 (Eng. Abstr.) (Pol)

[Effect of calcium supplemented diet corresponding to average food ration of a selected group of children on some biological indices in experimental rats. 3. Studies on calcium retention in laboratory rats] Czarnowska-Misztal E, et al. **Rocz Panstw Zakl Hig** 24:49-56, 1973 (Eng. Abstr.) (Pol)

[Current state of knowledge of vitamin D] Palicari G. **Pediatria (Bucur)** 21:299-303, Jul-Aug 72 (Rum)

[State of calcium metabolism in rat calcified tissues during prolonged hypodynamia and administration of thyrocalcitonin] Volozhin AI, et al. **Kosm Biol Med** 6:10-5, May-Jun 72 (Eng. Abstr.) (Rus)

[X-ray and radioisotope studies of bone mineral metabolism in syringomyelia] Khlystov VA, et al. **Med Radiol (Mosk)** 18:3-8, Mar 73 (Eng. Abstr.) (Rus)

[Study of the bone system with Ga67] Mechev DS, et al. **Med Radiol (Mosk)** 18:8-12, Mar 73 (Rus)

[Trophic characteristics of bone and cartilage tissues] Andreev PP. **Veterinariia** 49:84-7, Jun 73 (Rus)

[C 14 incorporation from Na 2 C 14 O 3 into the proteins of rat bone and dental tissues in experimental rachitis] Dmitriev IM. **Ukr Biokhim Zh** 44:611-3, 1972 (Eng. Abstr.) (Ukr)

[Some aspects of electrolyte metabolism in the bone tissue of chickens] Doktorovich NL, et al. **Ukr Biokhim Zh** 44:607-10, 1972 (Eng. Abstr.) (Ukr)

MICROBIOLOGY

Mycobacteria of surgical interest. Karlson AG. **Surg Clin North Am** 53:905-12, Aug 73

PATHOLOGY

A possible mechanism of Wolff's law: trabecular microfractures. Pugh JW, et al. **Arch Int Physiol Biochim** 81:27-40, Feb 73

Regional migratory osteoporosis. Gupta RC, et al. **Arthritis Rheum** 16:363-8, May-Jun 73

The micro-mechanics of cancellous bone. I. Microscopic observations. Pugh JW. **Bull Hosp Joint Dis** 34:92-106, Apr 73

Age trends of bone mineral mass, muscle width, and subcutaneous fat in normals and osteoporotics. Meema S, et al. **Calcif Tissue Res** 12:101-12, 9 May 73

Scanning electron microscopic observations on bone from patients with hypophosphataemic (vitamin D resistant) rickets. Steendijk R, et al. **Calcif Tissue Res** 11:242-50, 12 Mar 73

Quantitative histological measurements of bone turnover in primary hyperparathyroidism. Wilde CD, et al. **Calcif Tissue Res** 12:137-42, 9 May 73

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. **J Neurol Sci** 19:287-95, Jul 73

Transarticular joint amputations: the value of preserving articular cartilage. Graham WP 3d, et al. **J Surg Res** 14:524-37, Jun 73

The cellular basis of metabolic bone disease. Rasmussen H, et al. **N Engl J Med** 289:25-32, 5 Jul 73 (6 ref.)

Reaction of the skeleton and bone marrow to malignant tumours of the testis. Comparison and evaluation of results of strontium (85 Sr) test and cytological findings from sternal punctates in 44 patients. Bek V, et al. **Neoplasma** 20:209-15, 1973

Achondrogenesis. Jiminez RB, et al. **Pediatrics** 51:1087-90, Jun 73

The incidence of osseous involvement in lung cancer, with special reference to the development of osteoblastic changes. Napoli LD, et al. **Radiology** 108:17-21, Jul 73

Lead inclusion bodies in osteoclasts. Hsu FS, et al. **Science** 181:447-8, 3 Aug 73

PHYSIOLOGY

An approach to the mechanical properties of single osteonic lamellae. Ascenzi A, et al. **J Biomech 6:227-35, May 73**

Mechanical properties of the bone-porous biomaterial interface: elastic behavior. Moyle DD, et al. **J Biomed Mater Res 7:363-82, 1973**

Stress distribution in bone arising from loading on endosteal dental implants. Tesk JA, et al. **J Biomed Mater Res 7:251-61, 1973**

Ascorbic acid as related to tibia strength in spent hens. Rowland LO Jr, et al. **Poult Sci 52:347-50, Jan 73**

Heat and bone tissue. An experimental investigation of the thermal properties of bone and threshold levels for thermal injury. Lundskog J. **Scand J Plast Reconstr Surg 9:1-80, 1972**

Changes in functional construction of bone in rats under conditions of simulated increased gravity. Amtmann E, et al. **Z Anat Entwicklungsgesch 139:307-18, 16 Apr 73**

[Experimental studies on the mechanical properties of bone with reference to compression osteosyntheses] Ritter G, et al. **Arch Orthop Unfallchir 75:302-16, 7 May 73 (Eng. Abstr.) (Ger)**

Assay to determine plastic deformations of bones in the micron range] Grünert A, et al. **Res Exp Med (Berl) 160:213-9, 21 May 73 (Eng. Abstr.) (Ger)**

PHYSIOPATHOLOGY

The cellular basis of metabolic bone disease. Rasmussen H, et al. **N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)**

[Trophic characteristics of bone and cartilage tissues] Andreev PP. **Veterinariia 49:84-7, Jun 73 (Rus)**

RADIATION EFFECTS

[The relationship between changes in the skeletal system and the dose of Sr 90 -radiation incorporated] Shvedov VL, et al. **Med Radiol (Mosk) 17:46-51, Jul 72 (Eng. Abstr.) (Rus)**

[Use of a solution of carbon tetrachloride in ethyl alcohol for determination of absorbed doses] Vakhlakova TV, et al. **Med Radiol (Mosk) 17:67-70, Sep 72 (Eng. Abstr.) (Rus)**

RADIOGRAPHY

Development of a method of X-ray densitometry for bone mineral measurement. Griffith ER, et al. **Am J Phys Med 52:128-49, Jun 73**

Osteopathia striata--Voorhoeve's disease. Review of the roentgen manifestations. Gehweiler JA, et al. **Am J Roentgenol Radium Ther Nucl Med 118:450-5, Jun 73**

A new method of bone mineral estimation using a conventional x-ray set. Archer-Hall JA, et al. **Br J Radiol 46:375-80, May 73**

The different effects of soluble and crystalline hydrocortisone on bone. Duncan H, et al. **Calcif Tissue Res 12:159-68, 9 May 73**

Age trends of bone mineral mass, muscle width, and subcutaneous fat in normals and osteoporotics. Meema S, et al. **Calcif Tissue Res 12:101-12, 9 May 73**

Calcium regulation by the chick embryo. An experimental approach. Narbaitz R, et al. **Calcif Tissue Res 11:238-41, 12 Mar 73**

Skeletal maturation. Edelken J, et al. **CRC Crit Rev Radiol Sci 3:35-43, Jan 72**

The quantitative colour television image analyser. A new method of measuring bone density. Dickson RA, et al. **J Bone Joint Surg [Br] 55:359-68, May 73**

Haemodialysis therapy and changes in skeletal calcium. Catto GR, et al. **Lancet 1:1150-3, 26 May 73**

Skeletal complications of renal insufficiency and maintenance haemodialysis. Ritz E, et al. **Nephron 10:195-207, 1973**

Current facts of para-osteo-arthropathy (POA). Rossier AB, et al. **Paraplegia 11:38-78, May 73 (48 ref.)**

Recurrent calcific perarthritis involving multiple sites. Zaphiropoulos G. **Proc R Soc Med 66:351-2, Apr 73**

[A new case of systemic mastocytosis] Boivin P, et al. **Bull Soc Fr Dermatol Syphiligr 79:469-73, 1972 (Fre)**

[Congenital hypophosphatasia and dental organogenesis] Laplane R, et al. **Rev Stomatol Chir Maxillofac 73:543-60, Nov 72 (Eng. Abstr.) (Fre)**

[Radiological measurement of compact bone thickness in children with generalized bone disease] Manzke E, et al. **Monatsschr Kinderheilkd 121:135-9, Apr 73 (Eng. Abstr.) (Ger)**

[Comparative study on histologic, microradiographic and radiographic skeletal findings in hyperparathyroidism] Kruse HP, et al. **Radiologe 13:155-9, Apr 73 (Ger)**

[X-ray and radioisotope studies of bone mineral metabolism in syringomyelia] Khlystov VA, et al. **Med Radiol (Mosk) 18:3-8, Mar 73 (Eng. Abstr.) (Rus)**

SURGERY

The biomechanics of the epiphyseal lines as a guide to design considerations for the attachment of prosthesis to the musculo-skeletal system. Bechtol CO. **J Biomed Mater Res 7:343-62, 1973**

Polyester textile bioadhesion to muscle and bone. Dunn HK, et al. **J Biomed Mater Res 7:109-35, 1973**

Fiber metal composites in the fixation of skeletal prosthesis. Galante J, et al. **J Biomed Mater Res 7:43-61, 1973**

Attachment of prostheses to the musculoskeletal system by tissue ingrowth and mechanical interlocking. Hulbert SF, et al. **J Biomed Mater Res 7:1-23, 1973**

Biomechanical investigations of bone-porous carbon and porous metal interfaces. Niles JL, et al. **J Biomed Mater Res 7:63-84, 1973**

[Pneumatic apparatus the surgical treatment of bones] Bezukhov IM, et al. **Med Tekh 3:59-60, May-Jun 73 (Rus)**

CALCIFICATION, PHYSIOLOGIC

Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. **Anat Rec 176:167-79, Jun 73**

Cortical bone structure of the pig mandible. Powell K, et al. **Arch Oral Biol 18:171-80, Feb 73**

Mineralization during the molt cycle in Lirceus brachyurus (Isopoda: Crustacea). I. Chemistry and light microscopy. Hawkes JW, et al. **Calcif Tissue Res 12:125-36, 9 May 73**

A comparison of histological methods for demonstrating calcification. Heeley JD, et al. **Calcif Tissue Res 12:169-73, 9 May 73**

Cytoplasmic modifications at the contact zone of osteoclasts and calcified tissue in the diaphyseal growing plate of foetal guinea-pig tibia. Malkani K, et al. **Calcif Tissue Res 11:258-64, 12 Mar 73**

Studies on the ultrastructural localization of adenosine triphosphatase activity in fracture callus. Göthlin G, et al. **Histochemie 35:111-26, 22 May 73**

An approach to the mechanical properties of single osteonic lamellae. Ascenzi A, et al. **J Biomech 6:227-35, May 73**

Effect of previous dietary history of calcium intake on the skeleton and calcium absorption in the rat. Kemm JR. **J Physiol (Lond) 230:643-58, May 73**

The role of the dura mater in induced regeneration of cranial vault bones. Kantorova VI. **Sov J Dev Biol 3:371-6, Sep-Oct 72**

Studies on dentinogenesis in the rat. Fine structure of developing odontoblasts and predentin in relation to the mineralization process. Larsson A, et al. **Z Anat Entwicklungsgesch 139:227-46, 16 Apr 73**

[Effect of binephrectomy on osteodystrophy due to chronic hemodialysis] Fournier A, et al. **J Urol Nephrol (Paris) 78:1001-3, Dec 72 (Fre)**

DRUG EFFECTS

Effect of diphosphonates and calcitonin on the chemistry and quantitative histology of rat bone. Russell RG, et al. **Calcif Tissue Res 11:179-95, 12 Mar 73**

Effect of ethane-1-hydroxy-1,1-diphosphonate (EHDP) and dichloromethylene diphosphonate (Cl 2 MDP) on the calcification and resorption of cartilage and bone in the tibial epiphysis and metaphysis of rats. Schenk R, et al. **Calcif Tissue Res 11:196-214, 12 Mar 73**

LIBRARY U. OF I., URBANA-CHAMPAIGN

PARATHYROID AND BONE

CALCIUM

METABOLISM

Recent advances in the understanding of anaesthetic-induced malignant hyperpyrexia. Bull AB, et al. **Acta Anaesthesiol Belg** 24:97-108, May 73

Phosphate and vitamin D sensitive movement of calcium in rat distal ileum. Michalska L, et al. **Acta Biochim Pol** 19:333-9, 1972

Studies in fat necrosis. I. Lipolysis and calcium content in adipose tissue from rats with experimentally induced fat necrosis. Theve NO, et al. **Acta Chir Scand** 139:131-3, 1973

Fat necrosis. Studies in rats with experimentally induced pancreatitis. Theve NO. **Acta Chir Scand [Suppl]** 434:1-15, 1972

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A. **Acta Endocrinol (Kbh)** 73:69-79, May 73

Partial escape of magnesium from the renal action of parathyroid hormone in hyperparathyroidism. Hornum I, et al. **Acta Med Scand** 193:325-30, Apr 73

Storage properties of rat mast cell granules in vitro. Bergendorff A, et al. **Acta Physiol Scand** 87:213-22, Feb 73

Critical analysis of clinical factors in estimating severity of aortic valve disease. Eddleman EE Jr, et al. **Am J Cardiol** 31:687-95, Jun 73

Biochemical and morphologic correlates of cardiac ischemia. I. Membrane systems. Schwartz A, et al. **Am J Cardiol** 32:46-61, Jul 73

Effect of cobalt, beer, and thiamine-deficient diets in pigs. Burch RE, et al. **Am J Clin Nutr** 26:403-8, Apr 73

Vitamin D-enhanced osteocytic and osteoclastic bone resorption. Baylink D, et al. **Am J Physiol** 224:1345-57, Jun 73

Regulation of calcium absorption by fowl intestine. Hurwitz S, et al. **Am J Physiol** 225:150-4, Jul 73

Calcium exchange and distribution in the arterial wall. Villamil MF, et al. **Am J Physiol** 224:1314-9, Jun 73

Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. **Anat Rec** 176:167-79, Jun 73

The effects of halothane on metabolism and calcium uptake in mitochondria of the rat liver and brain. Rosenberg H, et al. **Anesthesiology** 34:44-53, Jul 73

Energy requirements of bacterial ion exchange. Minkoff L, et al. **Ann NY Acad Sci** 204:249-60, 30 Mar 73

Fluorides for otospongiosis and other osteoporotic states. Shambaugh GE Jr. **Ann Otolaryngol Chir Cervicofac** 90:129-38, Mar 73

Chemical mediation of hormone action. Bitensky MW, et al. **Annu Rev Med** 23:263-84, 1972 (180 ref.)

Effects of catecholamines on the smooth muscle of the female reproductive tract. Marshall JM. **Annu Rev Pharmacol** 13:19-32, 1973 (115 ref.)

Tubular sites and mechanisms of diuretic action. Suki WN, et al. **Annu Rev Pharmacol** 13:91-106, 1973 (162 ref.)

Heart: excitation-contraction coupling. Langer GA. **Annu Rev Physiol** 35:55-86, 1973 (117 ref.)

The purification of pig vitamin D-induced intestinal calcium binding protein. Hitchman AJ, et al. **Arch Biochem Biophys** 155:221-2, Mar 73

A study of factors affecting the cellular calcium content of smooth muscle cells. Casteels R, et al. **Arch Int Pharmacodyn Ther** 201:191-2, Jan 73

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med** 131:828-59, Jun 73

The involvement of calcium in contractility in the ciliated protozoan, Spirostomum ambiguum. Osborn D, et al. **Behav Biol** 8:665-77, May 73

Ca 2+ uptake in reconstituted sarcoplasmic reticulum vesicles. Meissner G, et al. **Biochem Biophys Res Commun** 52:913-20, 8 Jun 73

Further data on the specificity of aequorin luminescence to calcium. Shimomura O, et al. **Biochem Biophys Res Commun** 53:490-4, 17 Jul 73

Loss of oxidative phosphorylation in mitochondria isolated from kidneys of mercury poisoned rats. Southard JH, et al. **Biochem Biophys Res Commun** 52:921-7, 8 Jun 73

Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro. Serck-Hanssen G, et al. **Biochim Biophys Acta** 307:404-14, 11 May 73

Adenylate cyclase of heart sarcotubular membranes. Sulakhe PV, et al. **Biochim Biophys Acta** 293:379-96, 15 Feb 73

Caloric catastrophe. Minkoff L, et al. **Biopolymers** 13:167-78, Feb 73

Positive inotropic action of ouabain. Nayler WG. **Br Heart J** 35:561, May 73

The effect of litter size upon foetal growth rate and the placental transfer of calcium and phosphorus in superovulated Scottish half-bred ewes. Twardock AR, et al. **Br J Nutr** 29:437-46, May 73

The effects of diphenylhydantoin and potassium on the biological activity of ouabain in the guinea-pig heart. Baskin SI, et al. **Br J Pharmacol** 47:85-96, Jan 73

Mineralization during the molt cycle in Lirceus brachyurus (Isopoda: Crustacea). I. Chemistry and light microscopy. Hawkes JW, et al. **Calcif Tissue Res** 12:125-36, 9 May 73

A comparison of histological methods for demonstrating calcification. Heeley JD, et al. **Calcif Tissue Res** 12:169-73, 9 May 73

Calcium regulation by the chick embryo. An experimental approach. Narbaitz R, et al. **Calcif Tissue Res** 11:238-41, 12 Mar 73

Oscillations of intramuscular pH in perfused rat heart. Dhalla NS, et al. **Can J Physiol Pharmacol** 51:234-8, Mar 73

Adrenergic receptors. Nickerson M. **Circ Res** 32:Suppl 1:53-60, 5 May 73 (48 ref.)

Biochemical "defect" in the hypertrophied and failing heart: deleterious or compensatory? Katz AM. **Circulation** 47:1076-9, May 73 (21 ref.)

Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. **Clin Chem** 19:575-82, Jun 73

Incorporation of L-leucine and D-glucosamine into skin fibroblasts derived from cystic fibrosis and normal individuals. Fletcher DS, et al. **Clin Chim Acta** 44:5-19, 28 Feb 73

Calcium restriction and intestinal calcium-binding protein in the laying fowl. Bar A, et al. **Comp Biochem Physiol [A]** 45:571-7, 1 Jun 73

Uterine calcium-binding protein in the laying fowl. Bar A, et al. **Comp Biochem Physiol [A]** 45:579-86, 1 Jun 73

The effect of parathion on crustacean skeletal muscle. II. Disruption of excitation-contraction coupling. Bradbury SJ. **Comp Biochem Physiol [A]** 44:1033-46, 1 Apr 73

Cyclical fluctuations in the levels of blood calcium, pH and pCO 2 in Japanese quail. Dacke CG, et al. **Comp Biochem Physiol [A]** 44:1267-75, 1 Apr 73

The suitability of Melanoplus differentialis for electrophysiological investigation based on hemolymph ionic and anatomical studies. Weidler DJ, et al. **Comp Biochem Physiol [A]** 44:807-12, 1 Mar 73

Effects of serum on the calcitonin-dependent bone resorption in vitro. Gozariu L, et al. **Endocrinol Exp (Bratisl)** 7:129-32, 1973

On the mode of the hypocalcemic action of thyrocalcitonin and its enhancement by phosphate in rats. Hirsch PF, et al. **Endocrinology** 93:12-9, Jul 73

Metabolism of labeled parathyroid hormone. I. Preparation of biologically active I-125-labeled parathyroid hormone. Sammon PJ, et al. **Endocrinology** 92:1596-603, Jun 73

The distribution and exchange of brain calcium in vivo in the rat. Faragalla FF. **Exp Brain Res** 17:206-15, 30 Apr 73

Serum-dependent transcellular active calcium transport. Moriarty CM. **Exp Eye Res** 79:79-86, Apr 73

Influence of prostaglandins on cation movement in the lens. Paterson CA, et al. **Exp Eye Res** 15:767-78, 24 May 73

Cell coupling in epithelia. Socolar SJ. **Exp Eye Res** 15:693-8, 24 May 73 (44 ref.)

Calcium transport across intestinal wall as related to age. Winter D, et al. **Exp Gerontol** 8:17-21, Feb 73

The reaction of Ca ++ with the inner and outer membrane of mitochondria. Carafoli E, et al. **Experientia** 29:408-9, 15 Apr 73

Fluxes of magnesium and calcium during induced activity of frog sartorius muscle. O'Donnell JM. **Experientia** 29:292-3, 15 Mar 73

The effect of temperature on Ca 2+ uptake and Ca 2+ -activated ATP hydrolysis by cardiac sarcoplasmic reticulum. Suko J. **Experientia** 29:396-8, 15 Apr 73

The metal specificity of mammalian -amylase as revealed by enzyme activity and structural probes. Steer ML, et al. **FEBS Lett** 31:89-92, 1 Apr 73

Gout and pseudogout. MacCarty DJ Jr, et al. **Geriatrics** 28:110-20, Jun 73

The use of simultaneously administered 47 Ca and 45 Ca

in the study of calcium kinetics in the rat. Le Roith D, et al. Horm Metab Res 5:118-23, Mar 73
Acid-base titration of streptococci and the physical states of intracellular ions. Marquis RE, et al. J Bacteriol 114:491-8, May 73
A physico-chemical basis for anion, cation and proton distributions between rat-liver mitochondria and the suspending medium. Harris EJ. J Bioenerg 4:179-85, Jan 73 (22 ref.)
The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . Boyle IT, et al. J Biol Chem 248:4174-80, 25 Jun 73
Calcium binding by skeletal muscle sarcolemma. Sulakhe PV, et al. J Biol Chem 248:4150-7, 25 Jun 73
Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions. Baker RK, et al. J Clin Endocrinol Metab 37:46-55, Jul 73
Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. J Clin Invest 22:1680-5, Jul 73
The influence of "hypophysectomy" by means of surgical decapitation on skeletal growth in the developing chick embryo. Thommes RC, et al. J Embryol Exp Morphol 29:503-13, Jun 73
Localization of ion-transport in the intestine of the migrating river lamprey, Lampetra fluviatilis L. Pickering AD, et al. J Exp Biol 58:165-76, Feb 73
Calcium-calcium and calcium-strontium exchange across the membrane of human red cell ghosts. Porzig H. J Membr Biol 11:21-46, 23 Jan 73
Growth characteristics of experimental intracerebrally transplanted oral epithelium. VanGilder JC, et al. J Neurosurg 38:608-15, May 73
A conspectus of research on calcium requirements of man. Irwin MI, et al. J Nutr 103:1019-95, Jul 73 (527 ref.)
Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73
Interaction of dietary fluoride and magnesium in guinea pigs. O'Dell BL, et al. J Nutr 103:841-50, Jun 73
Relaxation of intestinal smooth muscle and calcium movements. Tomiyama A, et al. J Pharm Pharmacol 25:65-8, Jan 73
Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats. Bilder GE, et al. J Pharmacol Exp Ther 185:468-78, Jun 73
Effect of age and testosterone on calcium content and reactivity of guinea-pig vas deferens. Greenberg S, et al. J Pharmacol Exp Ther 185:505-13, Jun 73
Differentiation of calcium pools utilized in the contractile response of canine arterial and venous smooth muscle to norepinephrine. Greenberg S, et al. J Pharmacol Exp Ther 185:493-504, Jun 73
Inhibition by lanthanum of some calcium-related actions in frog rectus abdominis muscle. Weiss GB. J Pharmacol Exp Ther 185:551-9, Jun 73
Nicotine and potassium chloride contracture in mammalian ventricle. Wiggins JR, et al. J Pharmacol Exp Ther 185:457-67, Jun 73
The mechanism of the free calcium change in single muscle fibres during contraction. Ashley CC, et al. J Physiol (Lond) 231:23P-25P, May 73
Calcium pumping in the smooth muscle cells of the taenia coli. Casteels R, et al. J Physiol (Lond) 231:19P-20P, May 73
Changes of (Ca 2+ -Mg 2+)-adenosine-triphosphatase activity in rat testis throughout maturation. Delhumeau-Ongray G, et al. J Reprod Fertil 33:513-7, Jun 73
Epidemiologic vagaries of renal osteodystrophy. Valtrub S. JAMA 224:1755-6, 25 Jun 73
Calcium binding of isolated synaptic membranes from rat cerebral cortex. Saito K, et al. Jap J Pharmacol 22:787-98, Dec 72
Mechanisms of hypocomplementemia in glomerulonephritis. West CD, et al. Kidney Int 3:116-25, Feb 73 (39 ref.)
Lactose nutrition and natural selection. Flatz G, et al. Lancet 2:76-7, 14 Jul 73
The effect of stimulating frequency and of quabain on the intracellular penetration of L-arabinose in rabbit ventricular muscle, in vitro. Elbrink J, et al. Life Sci [II] 12:79-87, 22 Jan 73
Systemic effects of traumatic quadriplegia. Cavazos N. Med Trial Tech Q 19:376-87, Spring 73
Enhanced release of dopamine -hydroxylase and norepinephrine from sympathetic nerves by dibutyryl cyclic adenosine 3', 5'-monophosphate and theophylline. Wooten GF, et al. Mol Pharmacol 9:178-83, Mar 73
Guanidine derivatives in medicine. Davidoff F. N Engl J Med 289:141-6, 19 Jul 73 (46 ref.)
The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)
Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. N Engl J Med 289:176-81, 26 Jul 73
Ethanol inhibits intestinal calcium transport in rats. Krawitt EL. Nature 243:88-9, 11 May 73
The regulation of intestinal calcium transport by vitamin D. Patrick G. Nature 243:89-91, 11 May 73
Calcium serum binding in cystic fibrosis: reply. Fitzpatrick LF, et al. Nature [New Biol] 242:113, 28 Mar 73
Calcium influx in active Aplysia neurones detected by injected aequorin. Stinnakre J, et al. Nature [New Biol] 242:113-5, 28 Mar 73
Incorporation of a functional membrane glycoprotein into lipid bilayer membranes. Tosteson MT, et al. Nature [New Biol] 243:112-4, 23 May 73
Dibutyryl cyclic AMP and adrenaline increase contractile force and 45 Ca uptake in mammalian cardiac muscle. Meinertz T, et al. Naunyn Schmiedebergs Arch Pharmacol 227:107-12, 1973
Studies in calcium absorption: initial entry calcium into the gastrointestinal tract in hyperparathyroidism and in a case of renal tubular acidosis. Barzel US, et al. Nephron 10:714-87, 1973
Hypocalcaemia and bone disease in renal failure. Cochran M, et al. Nephron 10:113-40, 1973
Skeletal complications of renal insufficiency and maintenance haemodialysis. Ritz E, et al. Nephron 10:195-207, 1973
Calcium metabolism and secretion of gastric juice. Hart W, et al. Neth J Med 16:29-37, 1973 (93 ref.)
Receptor biophysics and biochemistry. Mitochondria. Lehninger A. Neurosci Res Program Bull 11:185-92, Jun 73
Membrane fragmentation and Ca ++ -membrane interaction: potential mechanisms of shape change in the senescent red cell. La Celle PL, et al. Nouv Rev Fr Hematol 12:789-98, Nov-Dec 72
Carbonic anhydrase and bone resorption. Nutr Rev 31:101-2, Mar 73 (2 ref.)
Ca-movement controlling myocardial contractility. I. Voltage-, current- and time-dependence of mechanical activity under voltage clamp conditions (cat papillary muscles and trabeculae). Tritthart H, et al. Pfluegers Arch 338:207-31, 6 Feb 73
Calcium metabolism in the laying hen. 5. Effect of various sources and sizes of calcium carbonate on shell quality. Roland DA Sr, et al. Poult Sci 52:369-72, Jan 73
Calcium metabolism in the laying hen. 4. The calcium status of the hen at night. Roland DA Sr, et al. Poult Sci 52:351-4, Jan 73
An attempt at an integral interpretation of nerve excitability. Neumann E, et al. Proc Natl Acad Sci USA 70:727-31, Mar 73
Parotid duct calculus. Thomson JP. Proc R Soc Med 66:352-3, Apr 73
Strontium-calcium discrimination during placental transfer and fetal uptake in rats: effect of gestation duration. Hartsook EW, et al. Proc Soc Exp Biol Med 143:343-9, Jun 73
Divalent cations as charge carriers in excitable membranes. Reuter H. Prog Biophys Mol Biol 26:1-43, 1973 (201 ref.)
Cytological and cytochemical study of the chick chorionic epithelium. Narbaitz R. Rev Can Biol 31:259-67, Dec 72
Actomyosin-like protein in brain. Berl S, et al. Science 179:441-6, 2 Feb 73
Isotachysterol-3 and 25-hydroxyisotachysterol-3: analogs of 1,25-dihydrox vitamin D3. Holick MF, et al. Science 180:964-6, 1 Jun 73
Effect of trisodium nitrilotriacetate (Na 3 NTA) on the metabolism of selected metal ions. Michael WR, et al. Toxicol Appl Pharmacol 24:519-29, Apr 73
The role of macronutrient minerals on the anaerobic trimethylamineoxyde reduction by an Achromobacter sp. isolated from fresh fish. Debevere JM, et al. Z Allg Mikrobiol 12:549-58, 1972
[90 Sr in the bones of CSSR population in the years

LIBRARY U. OF I., URBANA-CHAMPAIGN

1964-1969] Březík Z, et al.
Cas Lek Cesk 112:750-4, 1973 (Eng. Abstr.) (Cze)
[Relationship between x-ray bone changes and the levels of alkaline phosphatase and of the calcium-phosphate products in chronic kidney failure during hemodialysis] Mocek J, et al.
Vnitr Lek 19:426-32, May 73 (Eng. Abstr.) (Cze)
[Excitation-contraction coupling in the normal and failing heart] Muir JR.
Ann Cardiol Angeiol (Paris) 21:535-43, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Mechanism of hypocalcemia induction by glucagon in man. Studies with radioactive calcium] Scandellari C, et al.
Ann Endocrinol (Paris) 33:464-70, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Existence and thermostability of calcium binding proteins in intestinal and gill mucosas of different teleost fishes] Chartier Baraduc MM.
C R Acad Sci [D] (Paris) 676:785-8, 29 Jan 73 (Fre)
[Demonstration of a zone adated to ionic transport in the intestine of the common carp (Cyprinus carpio L)] Noaillac-Depeyre J, et al.
C R Acad Sci [D] (Paris) 676:773-6, 29 Jan 73 (Fre)
[Comparative research on silica metabolism in soft and calcified tissues in mammals] Charnot Y, et al.
J Physiol (Paris) 65:Suppl 3:376A, 1972 (Fre)
[Comparative effect of vitamin D and lactose on bone resorption consecutive to cold adaptation. Influence of adaptation time] Dupuis Y, et al.
J Physiol (Paris) 65:Suppl 3:396A, 1972 (Fre)
[Quantitative relationship between calcium absorption and the amounts of calcium and nonenergetic glucose ingested simultaneously] Fournier P, et al.
J Physiol (Paris) 65:Suppl 3:409A+, 1972 (Fre)
[Reduction of neurohypophyseal secretion by cobalt, manganese and D600] Nordmann JJ, et al.
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)
[Role of cyclic AMP in the mechanical activity of smooth muscle] Meyer P.
Nouv Presse Med 2:1651-4, 16 Jun 73 (Fre)
[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al.
Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)
[Medical treatment of acute hypercalcemia] Humbert G, et al. Sem Hop Paris 49:11-21, Jan 73 (Fre)
[Effect of local anesthetics on the stimulating influence of bradykinin on smooth muscle. 3. Further studies on reinforcement of bradykinin-induced contraction of the guinea pig ileum by local anesthetics and chymotrypsin in rlationship to temperature and electrolyte concentration] Wiegershausen B, et al.
Arch Int Pharmacodyn Ther 201:106-14, Jan 73 (Eng. Abstr.) (Ger)
[Myocardial recovery following heart arrest caused by extracellular sodium and calcium withdrawal and by procaine administration] Reidemeister JC, et al.
Basic Res Cardiol 68:21-38, Jan-Feb 73 (Eng. Abstr.) (Ger)
[Therapy of uremic osteopathy. II. Effect of 5,6-trans-25-hydroxycholecalciferol in terminal kidney insufficiency] Herrath D von, et al.
Dtsch Med Wochenschr 98:1379-81, Jul 73 (Ger)
[Calcium metabolism disorders in antiepileptic therapy] Schaefer K, et al.
Dtsch Med Wochenschr 98:1043-6, 18 May 73 (44 ref.) (Ger)
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)
[Experimental studies on mineralization during tooth growth using alizarine and tetracycline. IV. Analyses using microradiography and scanning electron microscopy] Noguchi I, et al.
Dtsch Zahnaerztl Z 28:460-4, Mar 73 (Eng. Abstr.) (Ger)
[Uptake and inactivation of ACTH in isolated fat cells] Baumann JB, et al.
Schweiz Med Wochenschr 103:845-7, 9 Jun 73 (Eng. Abstr.) (Ger)
[Effect of hypertrophy on the stimulation and electro-mechanical coupling of the myocardium] Antoni H.
Verh Dtsch Ges Kreislaufforsch 38:55-65, 1972 (70 ref.) (Ger)
[Reduction of the isoproterenol-induced 45 Ca ++ -net uptake and energy rich phosphate metabolism of the hypertrophied myocardium in the rat] Hein B, et al.
Verh Dtsch Ges Kreislaufforsch 38:196-201, 1972 (Ger)
[Autonomic effects of antidepressive agents in the region of gastrointestinal tract] Fischbach R.
Wien Med Wochenschr 123:Suppl 5:3-26, 1973 (Ger)
[Importance of electrolytes in the regulation of autonomic disorders] Schoger GA.
Z Allgemeinmed 49:282-4, 28 Feb 73 (Ger)
[Ultimobranchial or calcitonic osteopathies] Szántó D.
Z Gesamte Inn Med 28:227-32, 15 Apr 73 (Eng. Abstr.) (Ger)
[Metabolic substrates of physiopathology of food utilization. Malabsorption syndromes] Nordio S.
Quad Sclavo Diagn 8:387-403, Mar 72 (Eng. Abstr.) (Ita)
[Parathyroid hormone and calcitonin] Fujita T.
Clin Endocrinol (Tokyo) 21:13-7, Jan 73 (Jap)
[Experimental studies on myocardial contractility, with special reference to the relationship between effects of cardiac glycoside, and myocardial electrolytes and catecholamines] Adachi K.
Jap Circ J 36:1435-45, Dec 72 (Eng. Abstr.) (Jap)
:[In vitro and clinical studies of the effects of fluoride iontophoresis on acid resistance of enamel surface] Kobayashi H.
Shikwa Gakuho 72:1-22, Dec 72 (Eng. Abstr.) (Jap)
[Calcium-phosphorus metabolism in the course of juvenile spontaneous osteoporosis] Jelonek A, et al.
Folia Med Cracov 14:635-42, 1972 (Eng. Abstr.) (Pol)
[Calcium, phosphorus and magnesium metabolism in cows under various dietary conditions with special reference to clinical effects of the deficiency of these elements] Kryczka S.
Pol Arch Weter 15:767-82, 1972 (Eng. Abstr.) (Pol)
[Changes in elementary indices of electrolyte metabolism during secretion of gastric acid in diabetic children] Socha J, et al.
Pol Tyg Lek 28:599-602, 23 May 73 (Eng. Abstr.) (Pol)
[Effect of calcium supplemented diet corresponding to average food ration of a selected group of children on some biological indices in experimental rats. 3. Studies on calcium retention in laboratory rats] Czarnowska-Misztal E, et al.
Rocz Panstw Zakl Hig 24:49-56, 1973 (Eng. Abstr.) (Pol)
[Effect of compensating dietary deficits on the development of experimental dental caries] Wysocki E, et al.
Rocz Panstw Zakl Hig 24:57-64, 1973 (Eng. Abstr.) (Pol)
[Current state of knowledge of vitamin D] Palicari G.
Pediatria (Bucur) 21:299-303, Jul-Aug 72 (Rum)
[Various histochemical features of the uterus and placenta of ovariectomized rats following administration of different doses of progesterone and estradiol-dipropionate] Tsitsishvili DR, et al.
Arkh Anat Gistol Embriol 63:92-5, Dec 72 (Eng. Abstr.) (Rus)
[Myocardial function disorders under the action of hydrocarbons (a survey of the literature)] Alekperov II, et al. Gig Tr Prof Zabol 16:39-41, Dec 72 (Rus)
[The possibilities for restoring cardiac activity at different times following arrest] Tsyganiĭ AA, et al.
Kardiologiia 12:88-94, Dec 72 (Eng. Abstr.) (Rus)
[Calcibilia in obstruction of the biliary tracts and mechanical jaundice] Dorogan' DA.
Klin Khir 5:52-3, May 73 (Rus)
[State of calcium metabolism in rat calcified tissues during prolonged hypodynamia and administration of thyrocalcitonin] Volozhin AI, et al.
Kosm Biol Med 6:10-5, May-Jun 72 (Eng. Abstr.) (Rus)
[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)
[Effect of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and E 1 and E 2 prostaglandins] Bondani A, et al.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Eng. Abstr.) (Spa)

CHOLECALCIFEROL

Vitamin D 3 -25-hydroxylase: tissue occurrence and apparent lack of regulation. Tucker G 3d, et al.
Arch Biochem Biophys 155:47-57, Mar 73
Calcium transport through carbon tetrachloride

solutions of vitamin D 3 . Leonard F, et al. Calcif Tissue Res 12:113-5, 9 May 73

ADMINISTRATION & DOSAGE

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73

[Severe rachitic osteopathy during long-term anticonvulsant treatment] Lücking T, et al. Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Eng. Abstr.) (Ger)

ANALYSIS

Quantitative determination of drugs by means of densitometry of thin-layer chromatograms. 3. Determination of vitamins D 2 and D 3 in oil and aqueous injection solutions in the presence of decomposition products. Koleva M, et al. Pharmazie 28:317-9, May 73

BIOSYNTHESIS

Studies on calciferol metabolism. VII. The renal production of the biologically active form of vitamin D, 1,25-dihydroxycholecalciferol; species, tissue and subcellular distribution. Midgett RJ, et al. J Clin Endocrinol Metab 36:1153-61, Jun 73

BLOOD

Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells. Dencker L, et al. Experientia 29:719-22, 15 Jun 73

CHEMICAL SYNTHESIS

[The synthesis of dihydroxy-25,26 cholecalciferol, a metabolite of vitamin D3] Redel J, et al. C R Acad Sci [D] (Paris) 276:2907-9, 21 May 73 (Fre)

METABOLISM

Vitamin D 3 -25-hydroxylase: tissue occurrence and apparent lack of regulation. Tucker G 3d, et al. Arch Biochem Biophys 155:47-57, Mar 73

Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells. Dencker L, et al. Experientia 29:719-22, 15 Jun 73

Divalent ion metabolism and the kidney. Parsons V. Nephron 10:157-73, 1973 (82 ref.)

[Calcium metabolism disorders in antiepileptic therapy] Schaefer K, et al. Dtsch Med Wochenschr 98:1043-6, 18 May 73 (44 ref.) (Ger)

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

PHARMACODYNAMICS

The purification of pig vitamin D-induced intestinal calcium binding protein. Hitchman AJ, et al. Arch Biochem Biophys 155:221-2, Mar 73

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73

The regulation of intestinal calcium transport by vitamin D. Patrick G. Nature 243:89-91, 11 May 73

THERAPEUTIC USE

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73

[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al. Arch Fr Pediatr 29:287-304, Mar 72 (Eng. Abstr.) (Fre)

[Calcium metabolism disorders in antiepileptic therapy] Schaefer K, et al. Dtsch Med Wochenschr 98:1043-6, 18 May 73 (44 ref.) (Ger)

[Diagnosis and therapy of hair diseases. Trichography for the differential diagnosis of alopecia] Walther H. Med Monatsschr 27:35-9, Jan 73 (Ger)

DIHYDROTACHYSTEROL

Experimental calcification of the myocardium. Ultrastructural and histochemical investigations. Bonucci E, et al. Am J Pathol 71:167-92, May 73

ADVERSE EFFECTS

[Adverse effects of longtime dihydrotachysterol substitution therapy] Kaiser W, et al. Z Gesamte Inn Med 28:117-8, 15 Apr 73 (Eng. Abstr.) (Ger)

METABOLISM

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)

THERAPEUTIC USE

[Adverse effects of longtime dihydrotachysterol substitution therapy] Kaiser W, et al. Z Gesamte Inn Med 28:117-8, 15 Apr 73 (Eng. Abstr.) (Ger)

[Principles of chronic hormone substitution] Mosonyi L. Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) (Ger)

ERGOCALCIFEROL

ANALYSIS

Quantitative determination of drugs by means of densitometry of thin-layer chromatograms. 3. Determination of vitamins D 2 and D 3 in oil and aqueous injection solutions in the presence of decomposition products. Koleva M, et al. Pharmazie 28:317-9, May 73

PHARMACODYNAMICS

[Comparative effect of vitamin D and lactose on bone resorption consecutive to cold adaptation. Influence of adaptation time] Dupuis Y, et al. J Physiol (Paris) 65:Suppl 3:396A, 1972 (Fre)

TOXICITY

[Changes in the amino acid make-up of the blood under conditions of vitamin D intoxication] Vishnevskii IuB, et al. Vopr Pitan 31:20-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

HYDROXYCHOLECALCIFEROL

ADMINISTRATION & DOSAGE

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73

[Therapy of uremic osteopathy. II. Effect of 5,6-trans-25-hydroxycholecalciferol in terminal kidney insufficiency] Herrath D von, et al. Dtsch Med Wochenschr 98:1379-81, Jul 73 (Ger)

BIOSYNTHESIS

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)

BLOOD

Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:551, 2 Jun 73

Rickets and a medium chain triglyceride diet. Keating JP, et al. J Pediatr Surg 8:439-40, Jun 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 1:907-10, 28 Apr 73

[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al. Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Mechanism of 25-hydroxycholecalciferol 1

LIBRARY U. OF I., URBANA-CHAMPAIGN

-hydroxylation. Incorporation of oxygen-18 into the 1 position of 25-hydroxycholecalciferol. Ghazarian JG, et al. **Biochemistry** 12:2555-8, 3 Jul 73

METABOLISM

Mechanism of 25-hydroxycholecalciferol 1 -hydroxylation. Incorporation of oxygen-18 into the 1 position of 25-hydroxycholecalciferol. Ghazarian JG, et al. **Biochemistry** 12:2555-8, 3 Jul 73

The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . Boyle IT, et al. **J Biol Chem** 248:4174-80, 25 Jun 73

Receptors of 1,25-dikydroxycholecalciferol in rat intestine. Chen TC, et al. **J Biol Chem** 248:4890-5, 25 Jul 73

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. **Dtsch Med Wochenschr** 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

PHARMACODYNAMICS

Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. **J Clin Invest** 22:1680-5, Jul 73

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. **J Nutr** 103:681-9, May 73

Isotachysterol-3 and 25-hydroxyisotachysterol-3: analogs of 1,25-dihydrox vitamin D3. Holick MF, et al. **Science** 180:964-6, 1 Jun 73

PHYSIOLOGY

The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF. **N Engl J Med** 289:359-65, 16 Aug 73 (71 ref.)

THERAPEUTIC USE

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. **J Nutr** 103:681-9, May 73

[Therapy of uremic osteopathy. II. Effect of 5,6-trans-25-hydroxycholecalciferol in terminal kidney insufficiency] Herrath D von, et al. **Dtsch Med Wochenschr** 98:1379-81, Jul 73 (Ger)

HYPERCALCEMIA

Vitamin D-enhanced osteocytic and osteoclastic bone resorption. Baylink D, et al. **Am J Physiol** 224:1345-57, Jun 73

Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Conaway HH, et al. **Calcif Tissue Res** 11:323-30, 30 Mar 73

Effect of parathyroid extract on blood calcium and osteoclast count in mice. Tatevossian A. **Calcif Tissue Res** 11:251-7, 12 Mar 73

Chalk-eating and hypercalcaemia. Ratcliffe J. **Lancet** 2:106, 14 Jul 73

[Hypercalcemia] Pieters G, et al. **Tunis Med** 50:139-42, Mar-Apr 72 (Fre)

BLOOD

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf)** 1:149-55, Apr 72

Calcium and gastric secretion. Barreras RF. **Gastroenterology** 64:1168-84, Jun 73 (103 ref.)

Chalk-eating as a cause of hypercalcaemia in a patient on haemodialysis. Hulme B, et al. **Lancet** 1:1513-4, 30 Jun 73

[Parathyroid hormone levels in the blood] Corvilain J, et al. **Bull Acad R Med Belg** 12:303-22, 1972 (Fre)

CHEMICALLY INDUCED

Effect of alloxan on calcium metabolism in mice and rats. Wang J, et al. **Horm Metab Res** 5:51-2, Jan 73

Chalk-eating as a cause of hypercalcaemia in a patient on haemodialysis. Hulme B, et al. **Lancet** 1:1513-4, 30 Jun 73

[Adverse effects of longtime dihydrotachysterol substitution therapy] Kaiser W, et al. **Z Gesamte Inn Med** 28:117-8, 15 Apr 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Gamma heavy chain disease--an expanding clinical and laboratory spectrum. Bloch KJ, et al. **Am J Med** 55:61-70, Jul 73

Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al. **Ann Intern Med** 78:898-901, Jun 73

Microangiopathic haemolytic anaemia associated with hypercalcaemia in an experimental rat tumour. Hilgard P, et al. **Br J Haematol** 24:245-54, Feb 73

Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Engelsman E, et al. **Br Med J** 2:750-2, 30 Jun 73

Acute myelomonocytic leukemia with macroglobulinemia, Bence Jones proteinuria, and hypercalcemia. Allen EL, et al. **Cancer** 32:121-9, Jul 73

The effect of metabolic disorders on brain activity. Pampiglione G. **J R Coll Physicians Lond** 7:347-64, Jul 73

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al. **Rev Fr Endocrinol Clin** 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Subcutaneous fat necrosis of the newborn] Pasykowa K, et al. **Przegl Lek** 30:392-4, 1973 (Pol)

DIAGNOSIS

Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. **N Engl J Med** 289:176-81, 26 Jul 73

DRUG THERAPY

The treatment of hypercalcaemia. **Med J Aust** 1:419, 3 Mar 73

Hypercalcemia associated with chronic lymphocytic leukemia. Treatment with mithramycin. De Souza e Silva NA, et al. **Postgrad Med** 53:129-34, Jun 73

[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al. **Rev Fr Endocrinol Clin** 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)

[The treatment of acute hypercalcemias with furosemide] Humbert G, et al. **Rev Rhum Mal Osteoartic** 40:137-8, Feb 73 (Fre)

[Medical treatment of acute hypercalcemia] Humbert G, et al. **Sem Hop Paris** 49:11-21, Jan 73 (Fre)

[Hypercalcemia and hyperuricemia in a patient with IgG myeloma treated with thyrocalcitonin] Garijo Forcada JM, et al. **Rev Clin Esp** 129:289-92, 15 May 73 (Spa)

ETIOLOGY

Unusual manifestations of renal carcinoma. A review of the literature. Tveter KJ. **Acta Chir Scand** 139:401-9, 1973

Hypercalcemia and an elevated alkaline phosphatase level. **Am J Med** 54:751-60, Jun 73

Surgical evaluation of parathyroid arteriography. Bradley EL 3d, et al. **Am J Surg** 126:67-73, Jul 73

Present status of laboratory diagnosis of sarcoidosis. Israel HL. **Ann Clin Lab Sci** 3:73-8, Mar-Apr 73 (20 ref.)

Problems in acute hyperparathyroidism. Burcharth F, et al. **Br J Surg** 60:361-3, May 73

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al. **Can Med Assoc J** 108:883 passim, 7 Apr 73

Hypercalcemia in epidermoid tumors of the head and neck and esophagus. Stephens RL, et al. **Cancer** 31:1487-91, Jun 73

Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism. Ladenson JH, et al. **Clin Chem** 19:575-82, Jun 73

Effects of dietary calcium and phosphorus on growth, food conversion, bone ash and hematocrit levels of catfish. Andrews JW, et al. **J Nutr** 103:766-71, May 73

The treatment of hypercalcaemia. **Med J Aust** 1:419, 3 Mar 73

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY** 40:433-47, May-Jun 73

Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. Powell D, et al. **N Engl J Med** 289:176-81, 26 Jul 73

Prostaglandins and the hypercalcemia of cancer. Raisz LG. N Engl J Med 289:214-5, 26 Jul 73
Hypercalcemia associated with chronic lymphocytic leukemia. Treatment with mithramycin. De Souza e Silva NA, et al. Postgrad Med 53:129-34, Jun 73
[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 (Fre)
[Parathyroid gland cancer. General review of 109 cases] Murie N, et al.
Nouv Presse Med 2:1293-6, 12 May 73 (Eng. Abstr.) (Fre)
[Hypercalcemia in primary adrenal insufficiency. Apropos of 2 cases] Garnier PE, et al.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Eng. Abstr.) (Fre)
[The treatment of acute hypercalcemias with furosemide] Humbert G, et al.
Rev Rhum Mal Osteoartic 40:137-8, Feb 73 (Fre)
[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al.
Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)
[Hypercalcemia] Pieters G, et al.
Tunis Med 50:139-42, Mar-Apr 72 (Fre)
[Two autopsy cases of reticulosarcoma associated with hypercalcemia] Matsumoto N, et al.
Jap J Clin Hematol 14:164-72, Feb 73 (Eng. Abstr.) (Jap)
[Pseudohyperparathyroidism] Mićić R, et al.
Srp Arh Celok Lek 100:1017-31, Sep 72 (Eng. Abstr.) (Ser)
[Hypercalcemia and hyperuricemia in a patient with IgG myeloma treated with thyrocalcitonin] Garijo Forcada JM, et al.
Rev Clin Esp 129:289-92, 15 May 73 (Spa)

IMMUNOLOGY

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD.
Mt Sinai J Med NY 40:422-32, May-Jun 73

METABOLISM

Partial escape of magnesium from the renal action of parathyroid hormone in hyperparathyroidism. Hornum I, et al. Acta Med Scand 193:325-30, Apr 73
The calcium infusion test in primary hyperparathyroidism. Mosekilde L, et al.
Acta Med Scand 193:331-6, Apr 73
Calcium and gastric secretion. Barreras RF.
Gastroenterology 64:1168-84, Jun 73 (103 ref.)
[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 (Fre)

PATHOLOGY

Experimental calcification of the myocardium. Ultrastructural and histochemical investigations. Bonucci E, et al. Am J Pathol 71:167-92, May 73
[Two autopsy cases of reticulosarcoma associated with hypercalcemia] Matsumoto N, et al.
Jap J Clin Hematol 14:164-72, Feb 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)
Recent advances in the physiology and pathophysiology of potassium excretion. Schultze RG.
Arch Intern Med 131:885-97, Jun 73 (106 ref.)

PREVENTION & CONTROL

Effects of dietary calcium and phosphorus on growth, food conversion, bone ash and hematocrit levels of catfish. Andrews JW, et al. J Nutr 103:766-71, May 73
Lomustine treatment of metastatic renal cell carcinoma. Mittelman A, et al. JAMA 225:32-5, 2 Jul 73

SURGERY

[Acute hypercaldemic episodes due to parathyroid disorder] Leroy J, et al.
Sem Hop Paris 49:487-93, 8 Feb 73 (Eng. Abstr.) (Fre)

THERAPY

The treatment of hypercalcaemia.
Med J Aust 1:419, 3 Mar 73

OSTEOGENESIS IMPERFECTA

BLOOD

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al.
Can Med Assoc J 108:883 passim, 7 Apr 73

COMPLICATIONS

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al.
Can Med Assoc J 108:883 passim, 7 Apr 73
Achondrogenesis. Jiminez RB, et al.
Pediatrics 51:1087-90, Jun 73
[Surgical treatment of osteogenesis imperfecta in childhood] Krause M.
Langenbecks Arch Chir 331:357-65, 29 Dec 72 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

[Sclera] Bonnet M, et al.
Arch Ophtalmol (Paris) 33:67-72, Jan 73 (49 ref.) (Fre)
[General radiology of osteopathies] Ellegast HH.
Radiologe 13:147-54, Apr 73 (Ger)

METABOLISM

Strontium kinetic studies in children with bone disorders. McCredie D, et al.
Aust Paediatr J 8:327-33, Dec 72
The amino-acid composition of human hard tissue collagens in osteogenesis imperfecta and dentinogenesis imperfecta. Eastoe JE, et al.
Calcif Tissue Res 12:91-100, 9 May 73
Polymeric collagen of skin in normal sunjects and in patients with inherited connective tissue disorders. Francis MJ, et al. Clin Sci 44:429-38, May 73

PATHOLOGY

The cutaneous collagenoses. Reed RJ, et al.
Hum Pathol 4:165-86, Jun 73 (49 ref.)
Achondrogenesis. Jiminez RB, et al.
Pediatrics 51:1087-90, Jun 73

RADIOGRAPHY

The co-existence of primary hyperparathyroidism and osteogenesis imperfecta. Salti IS, et al.
Can Med Assoc J 108:883 passim, 7 Apr 73
[Respiratory insufficiency in the newborn infant] Cobben JJ.
J Belge Radiol 55:631-4, Nov-Dec 72 (Eng. Abstr.) (Dut)
[Surgical treatment of osteogenesis imperfecta in childhood] Krause M.
Langenbecks Arch Chir 331:357-65, 29 Dec 72 (Eng. Abstr.) (Ger)
[Hereditary systemic diseases of the skeleton] Spranger J. Radiologe 13:141-6, Apr 73 (Ger)

SURGERY

[Surgical treatment of osteogenesis imperfecta in childhood] Krause M.
Langenbecks Arch Chir 331:357-65, 29 Dec 72 (Eng. Abstr.) (Ger)

OSTEOMALACIA

Evidence of alveolar bone loss in rats fed an atherogenic diet. Plenk H Jr, et al.
J Periodont Res 8:106-15, 1973

CHEMICALLY INDUCED

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al.
J Neurol Sci 19:287-95, Jul 73
[Effect of anticonvulsive drugs on vitamin D metabolism] Wilczek H, et al.
Sb Lek 75:193-8, Jul 73 (Eng. Abstr.) (Cze)
[Severe rachitic osteopathy during long-term

LIBRARY U. OF I., URBANA-CHAMPAIGN

anticonvulsant treatment] Lücking T, et al. **Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Eng. Abstr.) (Ger)**

DIAGNOSIS

[Comparative study of the behavior of normal, osteoporotic and osteoporomalacic patients with respect to calcium 45 on a diet with a balanced and constant phosphorus and calcium content] Rubens-Duval A, et al. **Rev Rhum Mal Osteoartic 40:179-87, Mar 73 (Fre)**

DRUG THERAPY

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. **J Neurol Sci 19:287-95, Jul 73**

[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. **Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)**

ETIOLOGY

Magnification digital roentgenography: a method for evaluating renal osteodystrophy in hemodialyzed patients. Calenoff L, et al. **Am J Roentgenol Radium Ther Nucl Med 118:282-92, Jun 73**

Quantitative skeletal histology in untreated end-stage renal failure. Ingham JP, et al. **Br Med J 2:745-8, 30 Jun 73**

Dietary osteomalacia and bone pain in the elderly. Wood AE, et al. **J Ir Med Assoc 66:241-3, 12 May 73**

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. **J Neurol Sci 19:287-95, Jul 73**

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. **Lancet 1:910-2, 28 Apr 73**

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet 1:907-10, 28 Apr 73**

Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. **Nephron 10:141-56, 1973**

Hypocalcaemia and bone disease in renal failure. Cochran M, et al. **Nephron 10:113-40, 1973**

[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. **Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)**

[Osteosis and hemodialysis] Yamaguchi A, et al. **Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)**

FAMILIAL & GENETIC

Carcinoma of the colon and rectum. Polk HC Jr, et al. **Curr Probl Surg 1-64, Jan 73 (144 ref.)**

[Gardner's syndrome. Apropos of 2 familial cases] Leroux-Robert J, et al. **Ann Otolaryngol Chir Cervicofac 90:161-7, Mar 73 (Eng. Abstr.) (Fre)**

[Multiple jaw osteoma in Gardner's syndrome] Subjak J, et al. **Cesk Stomatol 73:177-9, 1973 (Eng. Abstr.) (Slo)**

[Familiary polyposis of the large intestine] Pavúr J. **Rozhl Chir 52:318-22, May 73 (Eng. Abstr.) (Slo)**

METABOLISM

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

[Comparative study of the behavior of normal, osteoporotic and osteoporomalacic patients with respect to calcium 45 on a diet with a balanced and constant phosphorus and calcium content] Rubens-Duval A, et al. **Rev Rhum Mal Osteoartic 40:179-87, Mar 73 (Fre)**

[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. **Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)**

OCCURRENCE

Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. **Lancet 1:910-2, 28 Apr 73**

Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. **Nephron 10:141-56, 1973**

PATHOLOGY

Quantitative skeletal histology in untreated end-stage renal failure. Ingham JP, et al. **Br Med J 2:745-8, 30 Jun 73**

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. **J Neurol Sci 19:287-95, Jul 73**

[Anatomical and morphological studies on the so-called minus variant of the ulna at the wrist joint] Steinhäuser J, et al. **Z Orthop 111:36-40, Feb 73 (Eng. Abstr.) (Ger)**

PREVENTION & CONTROL

Osteoarthritis: a new look at an old disease. Moskowitz RW. **Geriatrics 28:121-8, Jun 73 (39 ref.)**

RADIOGRAPHY

Magnification digital roentgenography: a method for evaluating renal osteodystrophy in hemodialyzed patients. Calenoff L, et al. **Am J Roentgenol Radium Ther Nucl Med 118:282-92, Jun 73**

Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. **J Neurol Sci 19:287-95, Jul 73**

[Relationship between x-ray bone changes and the levels of alkaline phosphatase and of the calcium-phosphate products in chronic kidney failure during hemodialysis] Mocek J, et al. **Vnitr Lek 19:426-32, May 73 (Eng. Abstr.) (Cze)**

[General radiology of osteopathies] Ellegast HH. **Radiologe 13:147-54, Apr 73 (Ger)**

SURGERY

[Lengthening osteotomy of the ulna using an A.O. semitube plate as distraction osteosynthesis for the management of semilunar bone malacia] Potma BJ. **Z Orthop 111:116-20, Feb 73 (Eng. Abstr.) (Ger)**

THERAPY

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

OSTEOPETROSIS

Effect of ethane-1-hydroxy-1,1-diphosphonate (EHDP) and dichloromethylene diphosphonate (Cl 2 MDP) on the calcification and resorption of cartilage and bone in the tibial epiphysis and metaphysis of rats. Schenk R, et al. **Calcif Tissue Res 11:196-214, 12 Mar 73**

BLOOD

Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions. Baker RK, et al. **J Clin Endocrinol Metab 37:46-55, Jul 73**

COMPLICATIONS

Osseous changes of osteopathia striata and Pyle's disease occurring in a patient with an 11 year follow-up. A case report. Culver GJ, et al. **Am J Roentgenol Radium Ther Nucl Med 116:640-3, Nov 72**

[Osteopetrosis and renal tubular acidosis. 2 cases of this association in a sibship] Guibaud P, et al. **Arch Fr Pediatr 29:269-86, Mar 72 (Eng. Abstr.) (Fre)**

CONGENITAL

Osteopetrosis cured by temporary parabiosis. Walker DG. **Science 180:875, 25 May 73**

DIAGNOSIS

Identification of neonatal grey lethal mice. Hollinshead MB, et al. **Anat Rec 176:273-8, Jul 73**

[Osteopetrosis and renal tubular acidosis. 2 cases of this association in a sibship] Guibaud P, et al. **Arch Fr Pediatr 29:269-86, Mar 72 (Eng. Abstr.) (Fre)**

PARATHYROID AND BONE

FAMILIAL & GENETIC

[Osteopetrosis and renal tubular acidosis. 2 cases of this association in a sibship] Guibaud P, et al. **Arch Fr Pediatr 29:269-86, Mar 72 (Eng. Abstr.) (Fre)**

METABOLISM

Strontium kinetic studies in children with bone disorders. McCredie D, et al.
Aust Paediatr J 8:327-33, Dec 72

Polymeric collagen of skin in normal sunjects and in patients with inherited connective tissue disorders. **Francis MJ, et al. Clin Sci 44:429-38, May 73**

Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions. Baker RK, et al. **J Clin Endocrinol Metab 37:46-55, Jul 73**

PATHOLOGY

Osteopetrosis cured by temporary parabiosis. Walker DG. **Science 180:875, 25 May 73**

RADIOGRAPHY

Osseous changes of osteopathia striata and Pyle's disease occurring in a patient with an 11 year follow-up. A case report. Culver GJ, et al.
Am J Roentgenol Radium Ther Nucl Med 116:640-3, Nov 72

THERAPY

Osteopetrosis cured by temporary parabiosis. Walker DG. **Science 180:875, 25 May 73**

OSTEOPOROSIS

Osteoporotic bone loss in two prehistoric Indian populations. Perzigian AJ.
Am J Phys Anthropol 39:87-95, Jul 73

Regional migratory osteoporosis. Gupta RC, et al.
Arthritis Rheum 16:363-8, May-Jun 73

Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Conaway HH, et al. **Calcif Tissue Res 11:323-30, 30 Mar 73**

Idiopathic transient osteoporosis of the hip. Pantazopoulos T, et al.
J Bone Joint Surg [Am] 55:315-21, Mar 73

[Notes from the Annual Congress 1972 of the German Society of Gerontology] Müller-Plettenberg D.
Ther Ggw 112:849 passim, May 73 (Ger)

[Adverse effects of long-term glucocorticoid therapy on bone metabolism] Schmidt UJ, et al.
Z Gesamte Inn Med 28:119-22, 15 Apr 73 (Eng. Abstr.) (Ger)

BLOOD

Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women. Riggs BL, et al.
J Clin Endocrinol Metab 36:1097-9, Jun 73

CHEMICALLY INDUCED

Hypervitaminosis A in rats. Varying responses due to different forms, doses, and routes of administration. Leelaprute V, et al. **Arch Pathol 96:5-9, Jul 73**

Heparin-induced osteoporosis. Sackler JP, et al.
Br J Radiol 46:548-50, Jul 73

The different effects of soluble and crystalline hydrocortisone on bone. Duncan H, et al.
Calcif Tissue Res 12:159-68, 9 May 73

Drug-induced arthropathy and necrosis of the femoral head. Solomon L.
J Bone Joint Surg [Br] 55:246-61, May 73

The cellular basis of metabolic bone disease. Rasmussen H, et al.
N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)

[Effect of anticonvulsive drugs on vitamin D metabolism] Wilczek H, et al.
Sb Lek 75:193-8, Jul 73 (Eng. Abstr.) (Cze)

[Long term heparinotherapy and osteoporosis] Kher A, et al. **Nouv Presse Med 2:1585-7, 9 Jun 73 (Fre)**

COMPLICATIONS

Osseous changes of osteopathia striata and Pyle's disease occurring in a patient with an 11 year follow-up. A case report. Culver GJ, et al.
Am J Roentgenol Radium Ther Nucl Med 116:640-3, Nov 72

Regional migratory osteoporosis. Gupta RC, et al.
Arthritis Rheum 16:363-8, May-Jun 73

Myeloid sarcoma. Review of the literature and report of a case. Fayemi AO, et al. **Cancer 32:253-8, Jul 73**

[Alveolar osteoporosis and atrophy as a cause of periodontal disease] Groen JJ.
Ned Tijdschr Tandheelkd 79:409-15, Nov 72 (Eng. Abstr.) (Dut)

[Roentgenologic staging of juvenile rheumatoid arthritis] Bojkinov I, et al.
Monatsschr Kinderheilkd 121:145-7, Apr 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Comparative study of the behavior of normal, osteoporotic and osteoporomalacic patients with respect to calcium 45 on a diet with a balanced and constant phosphorus and calcium content] Rubens-Duval A, et al.
Rev Rhum Mal Osteoartic 40:179-87, Mar 73 (Fre)

DRUG THERAPY

Fluorides for otospongiosis and other osteoporotic states. Shambaugh GE Jr.
Ann Otolaryngol Chir Cervicofac 90:129-38, Mar 73

Effect of late night calcium supplements on overnight urinary calcium excretion in premenopausal and postmenopausal women. Belchetz PE, et al.
Br Med J 2:510-2, 2 Jun 73

[Treatment of osteoporosis by repeated calcium infusions] Hioco D, et al.
Rev Rhum Mal Osteoartic 40:163-9, Mar 73 (Eng. Abstr.) (Fre)

[Estrogens in osteoporosis due to age?] Jesserer H.
Med Klin 68:614, 4 May 73 (Ger)

[Experience with anabolic steroid therapy in osteoporosis] Müller G.
Z Aerztl Fortbild (Jena) 67:277-9, 15 Mar 73 (Ger)

[Principles of chronic hormone substitution] Mosonyi L.
Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Eng. Abstr.) (Ger)

ETIOLOGY

Vertebral compression in childhood leukemia. Newman AJ, et al. **Am J Dis Child 125:863-5, Jun 73**

Polyarthritis and subcutaneous nodules associated with carcinoma of the pancreas. Virshup AM, et al.
Arthritis Rheum 16:388-92, May-Jun 73

Quantitative skeletal histology in untreated end-stage renal failure. Ingham JP, et al.
Br Med J 2:745-8, 30 Jun 73

The climacteric. Stallworthy J.
Proc R Soc Med 66:185-6, Feb 73

[General radiology of osteopathies] Ellegast HH.
Radiologe 13:147-54, Apr 73 (Ger)

[Ultimobranchial or calcitonic osteopathies] Szántó D.
Z Gesamte Inn Med 28:227-32, 15 Apr 73 (Eng. Abstr.) (Ger)

[Osteosis and hemodialysis] Yamaguchi A, et al.
Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)

METABOLISM

Strontium kinetic studies in children with bone disorders. McCredie D, et al.
Aust Paediatr J 8:327-33, Dec 72

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

The cellular basis of metabolic bone disease. Rasmussen H, et al.
N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)

[Comparative study of the behavior of normal, osteoporotic and osteoporomalacic patients with respect to calcium 45 on a diet with a balanced and constant phosphorus and calcium content] Rubens-Duval A, et al.
Rev Rhum Mal Osteoartic 40:179-87, Mar 73 (Fre)

[Calcium-phosphorus metabolism in the course of juvenile spontaneous osteoporosis] Jelonek A, et al.
Folia Med Cracov 14:635-42, 1972 (Eng. Abstr.) (Pol)

LIBRARY U. OF I., URBANA-CHAMPAIGN

PARATHYROID AND BONE

OCCURRENCE

The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73
[Epidemiological studies on the relationship between periodontal diseases and osteoporosis among the farm and fishing villagers in North-East Japan] Yamada F.
J Dent Health (Tokyo) 22:197-202, Jun 72 (Eng. Abstr.) (Jap)

PATHOLOGY

Fluorides for otospongiosis and other osteoporotic states. Shambaugh GE Jr.
Ann Otolaryngol Chir Cervicofac 90:129-38, Mar 73
Regional migratory osteoporosis. Gupta RC, et al.
Arthritis Rheum 16:363-8, May-Jun 73
Quantitative skeletal histology in untreated end-stage renal failure. Ingham JP, et al.
Br Med J 2:745-8, 30 Jun 73
Age trends of bone mineral mass, muscle width, and subcutaneous fat in normals and osteoporotics. Meema S, et al. **Calcif Tissue Res 12:101-12, 9 May 73**
[Adverse effects of long-term glucocorticoid therapy on bone metabolism] Schmidt UJ, et al.
Z Gesamte Inn Med 28:119-22, 15 Apr 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Fluorides for otospongiosis and other osteoporotic states. Shambaugh GE Jr.
Ann Otolaryngol Chir Cervicofac 90:129-38, Mar 73

PREVENTION & CONTROL

Combatting osteoporosis. Soika CV.
Am J Nurs 73:1193-7, Jul 73
The climacteric. Curzen P.
Proc R Soc Med 66:186, Feb 73
The climacteric. Stallworthy J.
Proc R Soc Med 66:185-6, Feb 73
The climacteric. Zussman L.
Proc R Soc Med 66:183-5, Feb 73

RADIOGRAPHY

Vertebral compression in childhood leukemia. Newman AJ, et al. **Am J Dis Child 125:863-5, Jun 73**
Sarcroiliac joints in primary gout. Clinical and roentgenographic study of 143 patients. Alarcón-Segovia DA, et al.
Am J Roentgenol Radium Ther Nucl Med 118:438-43, Jun 73
Regional migratory osteoporosis. Gupta RC, et al.
Arthritis Rheum 16:363-8, May-Jun 73
Polyarthritis and subcutaneous nodules associated with carcinoma of the pancreas. Virshup AM, et al.
Arthritis Rheum 16:388-92, May-Jun 73
Heparin-induced osteoporosis. Sackler JP, et al.
Br J Radiol 46:548-50, Jul 73
Age trends of bone mineral mass, muscle width, and subcutaneous fat in normals and osteoporotics. Meema S, et al. **Calcif Tissue Res 12:101-12, 9 May 73**
Idiopathic transient osteoporosis of the hip. Pantazopoulos T, et al.
J Bone Joint Surg [Am] 55:315-21, Mar 73
[Relationship between x-ray bone changes and the levels of alkaline phosphatase and of the calcium-phosphate products in chronic kidney failure during hemodialysis] Mocek J, et al.
Vnitr Lek 19:426-32, May 73 (Eng. Abstr.) (Cze)
[General radiology of osteopathies] Ellegast HH.
Radiologe 13:147-54, Apr 73 (Ger)
[Hereditary systemic diseases of the skeleton] Spranger J. **Radiologe 13:141-6, Apr 73 (Ger)**

THERAPY

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. **J Nucl Med 14:502-6, Jul 73**

VETERINARY

Leg weakness of poultry--a clinical and pathological characterisation. Nairn ME, et al.
Aust Vet J 48:645-56, Dec 72 (55 ref.)

PSEUDOHYPOPARATHYROIDISM

Maori art and pseudo-hypoparathyroidism--a medical contribution to prehistoric anthropology. Pontius AA.
J Am Med Wom Assoc 28:231-7, May 73

BLOOD

[Diagnosis: pseudohypoparathyroidism] Stögmann W.
Paediatr Paedol 8:304-6, 1973 (Ger)

COMPLICATIONS

Secondary hyperparathyroidism. Rasmussen H.
Mt Sinai J Med NY 40:462-73, May-Jun 73

DIAGNOSIS

[Diagnosis: pseudohypoparathyroidism] Stögmann W.
Paediatr Paedol 8:304-6, 1973 (Ger)

ETIOLOGY

[Diagnosis: pseudohypoparathyroidism] Stögmann W.
Paediatr Paedol 8:304-6, 1973 (Ger)

FAMILIAL & GENETIC

[Diagnosis: pseudohypoparathyroidism] Stögmann W.
Paediatr Paedol 8:304-6, 1973 (Ger)

PSEUDOPSEUDOHYPO-PARATHYROIDISM

COMPLICATIONS

Pseudo-pseudohypoparathyroidism with hypopituitarism. Jacobs S.
J La State Med Soc 125:205-11, Jun 73

RENAL OSTEODYSTROPHY

BLOOD

Renal osteodystrophy and its treatment. Duursma SA, et al. **Neth J Med 16:101-7, 1973**

DRUG THERAPY

Renal osteodystrophy and its treatment. Duursma SA, et al. **Neth J Med 16:101-7, 1973**
[Therapy of uremic osteopathy. II. Effect of 5,6-trans-25-hydroxycholecalciferol in terminal kidney insufficiency] Herrath D von, et al.
Dtsch Med Wochenschr 98:1379-81, Jul 73 (Ger)
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

ENZYMOLOGY

[Osteosis and hemodialysis] Yamaguchi A, et al.
Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)

ETIOLOGY

Magnification digital roentgenography: a method for evaluating renal osteodystrophy in hemodialyzed patients. Calenoff L, et al.
Am J Roentgenol Radium Ther Nucl Med 118:282-92, Jun 73
Epidemiologic vagaries of renal osteodystrophy. Valsrub S. **JAMA 224:1755-6, 25 Jun 73**
Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. **Nephron 10:141-56, 1973**
Skeletal complications of renal insufficiency and maintenance haemodialysis. Ritz E, et al.
Nephron 10:195-207, 1973
[Effect of binephrectomy on osteodystrophy due to chronic hemodialysis] Fournier A, et al.
J Urol Nephrol (Paris) 78:1001-3, Dec 72 (Fre)
[Therapy of uremic osteopathy. II. Effect of 5,6-trans-25-hydroxycholecalciferol in terminal kidney insufficiency] Herrath D von, et al.
Dtsch Med Wochenschr 98:1379-81, Jul 73 (Ger)
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.

Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)
[Osteosis and hemodialysis] Yamaguchi A, et al. Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)

METABOLISM

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

OCCURRENCE

Epidemiologic vagaries of renal osteodystrophy. Vaisrub S. JAMA 224:1755-6, 25 Jun 73
Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. Nephron 10:141-56, 1973

PATHOLOGY

[Effect of binephrectomy on osteodystrophy due to chronic hemodialysis] Fournier A, et al. J Urol Nephrol (Paris) 78:1001-3, Dec 72 (Fre)
[Osteosis and hemodialysis] Yamaguchi A, et al. Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)

PREVENTION & CONTROL

Epidemiologic vagaries of renal osteodystrophy. Vaisrub S. JAMA 224:1755-6, 25 Jun 73
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al. Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)

RADIOGRAPHY

Magnification digital roentgenography: a method for evaluating renal osteodystrophy in hemodialyzed patients. Calenoff L, et al. Am J Roentgenol Radium Ther Nucl Med 118:282-92, Jun 73
[General radiology of osteopathies] Ellegast HH. Radiologe 13:147-54, Apr 73 (Ger)

RICKETS

BLOOD

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al. Annu Rev Med 24:217-32, 1973 (103 ref.)
Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:551, 2 Jun 73
Ultrastructure and ion distribution of the intestinal cell during experimental vitamin-D deficiency rickets in rats. Schäfer HJ. Virchows Arch [Pathol Anat] 359:111-23, 19 Apr 73

CHEMICALLY INDUCED

Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic vitamin D. Teotia M, et al. Am J Dis Child 125:850-2, Jun 73
[Severe rachitic osteopathy during long-term anticonvulsant treatment] Lücking T, et al. Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Eng. Abstr.) (Ger)
[Frequency of rickets-like bone lesions during anticonvulsive therapy] Schütze I, et al. Kinderaerztl Prax 41:71-6, Feb 73 (Ger)
[Distinct rickets during anticonvulsant long-term therapy] Schütze I, et al. Kinderaerztl Prax 41:76-80, Feb 73 (Ger)

COMPLICATIONS

[The development of the masticatory organ in children after rickets] Winiarska-Majczyno M, et al. Czas Stomatol 26:537-41, 1973 (Eng. Abstr.) (Pol)

DIAGNOSIS

Epidemic rickets in Sydney. Lipson AH. Aust Paediatr J 9:14-7, Feb 73
[Congenital hypophosphatasia and dental organogenesis] Laplane R, et al. Rev Stomatol Chir Maxillofac 73:543-60, Nov 72 (Eng. Abstr.) (Fre)
[Rickets symptoms and vitamin D therapy] Schäfer KH. Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)

DRUG THERAPY

Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic vitamin D. Teotia M, et al. Am J Dis Child 125:850-2, Jun 73
The in vitro upatake of lysine and alanine by human jejunal mucosa in nutritional rickets. Woodd-Walker RB, et al. Nutr Metab 15:155-62, 1973
[Severe rachitic osteopathy during long-term anticonvulsant treatment] Lücking T, et al. Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Eng. Abstr.) (Ger)
[Rickets symptoms and vitamin D therapy] Schäfer KH. Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)

ENZYMOLOGY

Vitamin D 3 -25-hydroxylase: tissue occurrence and apparent lack of regulation. Tucker G 3d, et al. Arch Biochem Biophys 155:47-57, Mar 73
Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:551, 2 Jun 73

ETIOLOGY

Bone changes following ureterolleostomy. Levin EJ, et al. Am J Roentgenol Radium Ther Nucl Med 118:347-55, Jun 73
Rickets and a medium chain triglyceride diet. Keating JP, et al. J Pediatr Surg 8:439-40, Jun 73
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 1:907-10, 28 Apr 73
Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. Nephron 10:141-56, 1973
Progressive familial intrahepatic cholestasis. Ballow M, et al. Pediatrics 51:998-1007, Jun 73
[Osteopetrosis and renal tubular acidosis. 2 cases of this association in a sibship] Guibaud P, et al. Arch Fr Pediatr 29:269-86, Mar 72 (Eng. Abstr.) (Fre)
[Radiological measurement of compact bone thickness in children with generalized bone disease] Manzke E, et al. Monatsschr Kinderheilkd 121:135-9, Apr 73 (Eng. Abstr.) (Ger)

METABOLISM

Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. Anat Rec 176:167-79, Jun 73
Strontium kinetic studies in children with bone disorders. McCredie D, et al. Aust Paediatr J 8:327-33, Dec 72
The in vitro upatake of lysine and alanine by human jejunal mucosa in nutritional rickets. Woodd-Walker RB, et al. Nutr Metab 15:155-62, 1973
[C 14 incorporation from Na 2 C 14 O 3 into the proteins of rat bone and dental tissues in experimental rachitis] Dmitriev IM. Ukr Biokhim Zh 44:611-3, 1972 (Eng. Abstr.) (Ukr)

OCCURRENCE

Epidemic rickets in Sydney. Lipson AH. Aust Paediatr J 9:14-7, Feb 73
Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Berlyne GM, et al. Nephron 10:141-56, 1973

PATHOLOGY

Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic vitamin D. Teotia M, et al. Am J Dis Child 125:850-2, Jun 73
Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73
Ultrastructure and ion distribution of the intestinal cell during experimental vitamin-D deficiency rickets in rats. Schäfer HJ. Virchows Arch [Pathol Anat] 359:111-23, 19 Apr 73
[Severe rachitic osteopathy during long-term anticonvulsant treatment] Lücking T, et al.

LIBRARY UL OF L. URBANA-CHAMPAIGN

RICKETS

Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Epidemic rickets in Sydney. Lipson AH.
Aust Paediatr J 9:14-7, Feb 73

Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. McNutt KW, et al. J Nutr 103:681-9, May 73

[Rickets symptoms and vitamin D therapy] Schäfer KH.
Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)

[Evaluation of the dietary treatment of cystinosis] Schmidt H, et al.
Monatsschr Kinderheilkd 121:171-3, May 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Bone changes following ureterolleostomy. Levin EJ, et al.
Am J Roentgenol Radium Ther Nucl Med 118:347-55, Jun 73

[Distinct rickets during anticonvulsant long-term therapy] Schütze I, et al.
Kinderaerztl Prax 41:76-80, Feb 73 (Ger)

[Radiological measurement of compact bone thickness in children with generalized bone disease] Manzke E, et al.
Monatsschr Kinderheilkd 121:135-9, Apr 73 (Eng. Abstr.) (Ger)

SURGERY

Growth remodelling of long bone osteotomies. Shopfner CE, et al. Br J Radiol 46:512-9, Jul 73

THERAPY

Rickets and a medium chain triglyceride diet. Keating JP, et al. J Pediatr Surg 8:439-40, Jun 73

VETERINARY

Leg weakness of poultry--a clinical and pathological characterisation. Nairn ME, et al.
Aust Vet J 48:645-56, Dec 72 (55 ref.)

RICKETS, VITAMIN D RESISTANT

[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al.
Arch Fr Pediatr 29:287-304, Mar 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

In vivo neutron activation analysis for calcium in man. McNeill KG, et al. J Nucl Med 14:502-6, Jul 73

DRUG THERAPY

[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al.
Arch Fr Pediatr 29:287-304, Mar 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al.
Arch Fr Pediatr 29:287-304, Mar 72 (Eng. Abstr.) (Fre)

[Critical study of hypophosphatemia for genetic study of familial hypophosphatemic vitamin-resistant rickets] Briard-Guillemot ML, et al.
Arch Fr Pediatr 29:1059-68, Dec 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Scanning electron microscopic observations on bone from patients with hypophosphataemic (vitamin D resistant) rickets. Steendijk R, et al.
Calcif Tissue Res 11:242-50, 12 Mar 73

PHYSIOPATHOLOGY

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. Mt Sinai J Med NY 40:433-47, May-Jun 73

RADIOGRAPHY

[Radiological measurement of compact bone thickness in children with generalized bone disease] Manzke E, et al.
Monatsschr Kinderheilkd 121:135-9, Apr 73 (Eng. Abstr.) (Ger)

TETANY

[Anatomoclinical case of hemochromatosis with hypoparathyroidism and liver neoplasm] Pawlotsky Y, et al.
Rev Rhum Mal Osteoartic 39:259-70, Apr 72 (Eng. Abstr.) (Fre)

BLOOD

Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73

DRUG THERAPY

Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73

Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al.
Arch Intern Med 132:107-11, Jul 73

ETIOLOGY

Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73

Neonatal tetany during anesthesia: a case report. Peterson AW Jr, et al.
Anesth Analg (Cleve) 52:555-7, Jul-Aug 73

Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla. Males JL, et al.
Arch Intern Med 132:107-11, Jul 73

Surgery in Graves' disease: analysis after operation on 1,265 goiters. Reynier J. Int Surg 58:456-7, Jul 73

URINE

Tetany related to postural diuresis. Crane MG, et al.
Am J Med Sci 265:153-65, Feb 73

THYROCALCITONIN

Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al.
J Biol Chem 248:4797-802, 10 Jul 73

ADMINISTRATION & DOSAGE

Calcitonin in the treatment of Paget's disease of bone. Johnston CC Jr.
Ann Intern Med 76:665-6, Apr 72 (11 ref.)

Porcine calcitonin as a renal vasodilator in man. Edwards IR, et al.
Clin Endocrinol (Oxf) 1:337-44, Oct 72

The calcium lowering effect of synthetic human, porcine, and salmon calcitonin in patients with Paget's disease. Galante L, et al.
Clin Sci 44:605-10, Jun 73

ADVERSE EFFECTS

Calcitonin in the treatment of Paget's disease of bone. Johnston CC Jr.
Ann Intern Med 76:665-6, Apr 72 (11 ref.)

[Hypercalcemia and hyperuricemia in a patient with IgG myeloma treated with thyrocalcitonin] Garijo Forcada JM, et al.
Rev Clin Esp 129:289-92, 15 May 73 (Spa)

ANALYSIS

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72

PARATHYROID AND BONE

BIOSYNTHESIS

Calcium metabolism and secretion of gastric juice. Hart W, et al. **Neth J Med 16:29-37, 1973 (93 ref.)**

BLOOD

Detection of medullary thyroid cancer by calcitonin assay in families. Jackson CE, et al.
Ann Intern Med 78:845-52, Jun 73

Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases. Markey WS, et al.
Ann Intern Med 78:898-901, Jun 73

Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. Habener JF, et al.
Clin Chim Acta 45:225-33, 18 May 73

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72

Plasma calcitonin levels in Japanese quail. Boelkins JN, et al. **Endocrinology 92:1754-60, Jun 73**

Compared kinetics of salmon and human radioiodinated calcitonins in man. Ardaillou R, et al.
Horm Metab Res 5:232-3, May 73

A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding. Bieler EU, et al. **Horm Metab Res 5:231, May 73**

Gastrointestinal stimulation of calcitonin in adults and newborns. Hesch RD, et al.
Horm Metab Res 5:235, May 73

Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions. Baker RK, et al.
J Clin Endocrinol Metab 37:46-55, Jul 73

CHEMICAL SYNTHESIS

Biological and immunological activity of a thyrocalcitonin produced by the solid phase method of peptide synthesis. Ontjes DA, et al.
Endocrinology 92:1780-5, Jun 73

ISOLATION & PURIFICATION

Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al.
J Biol Chem 248:4797-802, 10 Jul 73

METABOLISM

The effects of an alpha adrenergic blocker on thyrocalcitonin activity in male and female rats. Currie GN, et al.
Acta Endocrinol (Kbh) 73:64-8, May 73

Compared kinetics of salmon and human radioiodinated calcitonins in man. Ardaillou R, et al.
Horm Metab Res 5:232-3, May 73

Gastrointestinal stimulation of calcitonin in adults and newborns. Hesch RD, et al.
Horm Metab Res 5:235, May 73

Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al.
J Biol Chem 248:4797-802, 10 Jul 73

[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 (Fre)

[Ultimobranchial or calcitonic osteopathies] Szántó D.
Z Gesamte Inn Med 28:227-32, 15 Apr 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Thyrocalcitonin and gastrointestinal propulsive motility. An experimental study in the rat. Segerström A. **Acta Chir Scand 139:180-3, 1973**

The effects of an alpha adrenergic blocker on thyrocalcitonin activity in male and female rats. Currie GN, et al.
Acta Endocrinol (Kbh) 73:64-8, May 73

Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Melander A.
Acta Endocrinol (Kbh) 73:69-79, May 73

Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med 131:828-59, Jun 73**

Effect of diphosphonates and calcitonin on the chemistry and quantitative histology of rat bone. Russell RG, et al. **Calcif Tissue Res 11:179-95, 12 Mar 73**

Porcine calcitonin as a renal vasodilator in man. Edwards IR, et al.
Clin Endocrinol (Oxf) 1:337-44, Oct 72

Effects of serum on the calcitonin-dependent bone resorption in vitro. Gozariu L, et al.
Endocrinol Exp (Bratisl) 7:129-32, 1973

Plasma calcitonin levels in Japanese quail. Boelkins JN, et al. **Endocrinology 92:1754-60, Jun 73**

On the mode of the hypocalcemic action of thyrocalcitonin and its enhancement by phosphate in rats. Hirsch PF, et al. **Endocrinology 93:12-9, Jul 73**

Biological and immunological activity of a thyrocalcitonin produced by the solid phase method of peptide synthesis. Ontjes DA, et al.
Endocrinology 92:1780-5, Jun 73

Calcitonin and glucose uptake by isolated rat diaphragm. Gozariu L, et al.
Horm Metab Res 5:145, Mar 73

[Mechanism of hypocalcemia induction by glucagon in man. Studies with radioactive calcium] Scandellari C, et al.
Ann Endocrinol (Paris) 33:464-70, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Histochemical and enzyme histochemical studies on the rat epiphyseal cartilage following long-term calcitonin administration] Tarsoly E, et al.
Acta Histochem (Jena) 45:10-20, 1973 (Eng. Abstr.) (Ger)

[Pressure curves in the lower esophageal sphincter in man and the influence of gastrin, calcitonin and glucagon] Waldeck F, et al.
Dtsch Med Wochenschr 98:1059-63, 25 May 73 (Eng. Abstr.) (Ger)

[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al.
J Pharm Soc Jap 92:871-3, Jul 72 (Eng. Abstr.) (Jap)

[State of calcium metabolism in rat calcified tissues during prolonged hypodynamia and administration of thyrocalcitonin] Volozhin AI, et al.
Kosm Biol Med 6:10-5, May-Jun 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Parathyroid hormone and calcitonin] Fujita T.
Clin Endocrinol (Tokyo) 21:13-7, Jan 73 (Jap)

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al.
Usp Fiziol Nauk 3:26-44, Oct-Dec 72 (143 ref.) (Rus)

SECRETION

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al.
Clin Endocrinol (Oxf) 1:157-71, Apr 72

Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al.
Surgery 74:21-9, Jul 73

[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Primary hyperparathyroidism. Burcharth F, et al.
Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)

Calcitonin in the treatment of Paget's disease of bone. Johnston CC Jr.
Ann Intern Med 76:665-6, Apr 72 (11 ref.)

The calcium lowering effect of synthetic human, porcine, and salmon calcitonin in patients with Paget's disease. Galante L, et al.
Clin Sci 44:605-10, Jun 73

Endocrine bone disease. Joplin GF.
Proc R Soc Med 66:447, May 73

[Hypercalcemia and hyperuricemia in a patient with IgG myeloma treated with thyrocalcitonin] Garijo Forcada JM, et al.
Rev Clin Esp 129:289-92, 15 May 73 (Spa)

URINE

Compared kinetics of salmon and human radioiodinated calcitonins in man. Ardaillou R, et al.
Horm Metab Res 5:232-3, May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

PARATHYROID AND BONE

VITAMIN A

Infant-feeding practices. Oates RK.
Br Med J 2:762-4, 30 Jun 73
Nutrition in pregnancy.
Med Lett Drugs Ther 15:67-8, 3 Aug 73

ADMINISTRATION & DOSAGE

Hypervitaminosis A in rats. Varying responses due to different forms, doses, and routes of administration. Leelaprute V, et al. **Arch Pathol 96:5-9, Jul 73**

THERAPEUTIC USE

[Diagnosis and therapy of hair diseases. Trichography for the differential diagnosis of alopecia] Walther H.
Med Monatsschr 27:35-9, Jan 73 (Ger)

TOXICITY

Hypervitaminosis A in rats. Varying responses due to different forms, doses, and routes of administration. Leelaprute V, et al. **Arch Pathol 96:5-9, Jul 73**

VITAMIN D

Infant-feeding practices. Oates RK.
Br Med J 2:762-4, 30 Jun 73
Ischaemic-heart-disease mortality and dietary intake of calcium. Knox EG. **Lancet 1:1465-7, 30 Jun 73**
Nutrition in pregnancy.
Med Lett Drugs Ther 15:67-8, 3 Aug 73
Studies in calcium absorption: initial entry calcium into the gastrointestinal tract in hyperparathyroidism and in a case of renal tubular acidosis. Barzel US, et al.
Nephron 10:714-87, 1973
[Current state of knowledge of vitamin D] Palicari G.
Pediatria (Bucur) 21:299-303, Jul-Aug 72 (Rum)

ADMINISTRATION & DOSAGE

Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic vitamin D. Teotia M, et al.
Am J Dis Child 125:850-2, Jun 73
Rickets and a medium chain triglyceride diet. Keating JP, et al. **J Pediatr Surg 8:439-40, Jun 73**
Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. **Lancet 1:910-2, 28 Apr 73**
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)
[Rickets symptoms and vitamin D therapy] Schäfer KH.
Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)
[Evaluation of the dietary treatment of cystinosis] Schmidt H, et al.
Monatsschr Kinderheilkd 121:171-3, May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Ischaemic heart-disease and vitamin D. Dalderup LM.
Lancet 2:92, 14 Jul 73

ANALYSIS

Presence of ergosterol in light-grown and dark-grown Euglena gracilis Z. Anding C, et al.
Eur J Biochem 34:345-6, Apr 73

ANTAGONISTS & INHIBITORS

Phosphate and vitamin D sensitive movement of calcium in rat distal ileum. Michalska L, et al.
Acta Biochim Pol 19:333-9, 1972

METABOLISM

Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. **Anat Rec 176:167-79, Jun 73**
Isolation of pleiotropic yeast mutants requiring ergosterol for growth. Karst F, et al.
Biochem Biophys Res Commun 52:741-7, 8 Jun 73
Serum alkaline phosphatase and rickets. Stamp TC, et al. **Br Med J 2:551, 2 Jun 73**
Scanning electron microscopic observations on bone from patients with hypophosphataemic (vitamin D resistant) rickets. Steendijk R, et al.
Calcif Tissue Res 11:242-50, 12 Mar 73
Sterols and fatty acids of some aquatic phycomycetes. Bean GA, et al.
Comp Biochem Physiol [B] 43:935-9, 15 Dec 72
Anticonvulsant drugs and vitamin D metabolism. Livingston S, et al. **JAMA 224:1634-5, 18 Jun 73**
Magnesium, vitamin D, and parathyroid hormone. Anast CS, et al. **Lancet 1:1389-90, 16 Jun 73**
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet 1:907-10, 28 Apr 73**
The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone. DeLuca HF.
N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)
Prostaglandins and the hypercalcemia of cancer. Raisz LG. **N Engl J Med 289:214-5, 26 Jul 73**
[Effect of anticonvulsive drugs on vitamin D metabolism] Wilczek H, et al.
Sb Lek 75:193-8, Jul 73 (Eng. Abstr.) (Cze)
[Hyperthyroidism with hypercalcemia. Apropos of a case of hyperthyroidism-hyperparathyroidism association] Ghozlan R, et al.
Nouv Presse Med 2:771-3, Mar 72 (Fre)
[Secondary hyperparathyroidism in patients with chronic kidney failure] Fillastre JP, et al.
Sem Hop Paris 49:501-6, 8 Feb 73 (Eng. Abstr.) (Fre)
[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) (Ger)
[Frequency of rickets-like bone lesions during anticonvulsive therapy] Schütze I, et al.
Kinderaerztl Prax 41:71-6, Feb 73 (Ger)
[Distinct rickets during anticonvulsant long-term therapy] Schütze I, et al.
Kinderaerztl Prax 41:76-80, Feb 73 (Ger)
[Current state of knowledge of vitamin D] Palicari G.
Pediatria (Bucur) 21:299-303, Jul-Aug 72 (Rum)

PHARMACODYNAMICS

Phosphate and vitamin D sensitive movement of calcium in rat distal ileum. Michalska L, et al.
Acta Biochim Pol 19:333-9, 1972
Vitamin D-enhanced osteocytic and osteoclastic bone resorption. Baylink D, et al.
Am J Physiol 224:1345-57, Jun 73
Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine. Massry SG, et al. **Arch Intern Med 131:828-59, Jun 73**
The effect of altered membrane sterol composition on the temperature dependence of yeast mitochondrial ATPase. Cobon GS, et al.
Biochem Biophys Res Commun 52:320-6, 1 May 73
The effect of vitamin D on phosphates in human red blood cells and in tissues of the chick. Love EW, et al.
Comp Biochem Physiol [B] 44:557-65, 15 Feb 73
The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al.
Nephron 10:66-112, 1973 (238 ref.)

PHYSIOLOGY

Prostaglandins and the hypercalcemia of cancer. Raisz LG. **N Engl J Med 289:214-5, 26 Jul 73**
[Current state of knowledge of vitamin D] Palicari G.
Pediatria (Bucur) 21:299-303, Jul-Aug 72 (Rum)

RADIATION EFFECTS

Ergosterol photoisomerization reaction scheme. Mermet-Bouvier R, et al. **J Pharm Sci 62:891-4, Jun 73**

THERAPEUTIC USE

Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic vitamin D. Teotia M, et al.
Am J Dis Child 125:850-2, Jun 73
Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. **Anat Rec 176:167-79, Jun 73**
The use of the small and large bowel in obstetrics and gynecology. Kennison RD.
Clin Obstet Gynecol 15:620-38, Sep 72 (13 ref.)
Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al.
J Neurol Sci 19:287-95, Jul 73
Rickets and a medium chain triglyceride diet. Keating JP, et al. **J Pediatr Surg 8:439-40, Jun 73**

Renal osteodystrophy and its treatment. Duursma SA, et al. Neth J Med 16:101-7, 1973
The in vitro upatake of lysine and alanine by human jejunal mucosa in nutritional rickets. Woodd-Walker RB, et al. Nutr Metab 15:155-62, 1973
Transient congenital idiopathic hypoparathyroidism. Rosenbloom AL. South Med J 66:667-70, Jun 73
[Bazex's paraneoplastic acrokeratosis] Degos R, et al. Ann Med Interne (Paris) 124:231-4, Mar 73 (Fre)
[Hypocalcemic pseudo-deficient vitamin resistant rickets] Balsan S, et al. Arch Fr Pediatr 29:287-304, Mar 72 (Eng. Abstr.) (Fre)
[Effects of treatment with vitamin D and lactose of a chronic deficiency in calcium utilization factors in rats] Dupuis Y, et al. Pathol Biol (Paris) 21:397-403, Apr 73 (Eng. Abstr.) (Fre)
[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)
[Rickets symptoms and vitamin D therapy] Schäfer KH. Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)

TOXICITY

Histochemistry of various acid phosphatases in developing bones and teeth in hypervitaminosis D in the rat. Hammarstrom LE, et al. Arch Oral Biol 18:109-15, Jan 73

VITAMIN D DEFICIENCY

The effect of vitamin D on phosphates in human red blood cells and in tissues of the chick. Love EW, et al. Comp Biochem Physiol [B] 44:557-65, 15 Feb 73

BLOOD

[Parathyroid hormone levels in the blood] Corvilain J, et al. Bull Acad R Med Belg 12:303-22, 1972 (Fre)

CHEMICALLY INDUCED

[Effect of anticonvulsive drugs on vitamin D metabolism] Wilczek H, et al. Sb Lek 75:193-8, Jul 73 (Eng. Abstr.) (Cze)

COMPLICATIONS

Dietary osteomalacia and bone pain in the elderly. Wood AE, et al. J Ir Med Assoc 66:241-3, 12 May 73
Osteomalacia due to phenytoin sodium. A case report with review of literature. Varkey K, et al. J Neurol Sci 19:287-95, Jul 73
Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. Lancet 1:910-2, 28 Apr 73
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 1:907-10, 28 Apr 73
Secondary hyperparathyroidism. Rasmussen H. Mt Sinai J Med NY 40:462-73, May-Jun 73
Ultrastructure and ion distribution of the intestinal cell during experimental vitamin-D deficiency rickets in rats. Schäfer HJ. Virchows Arch [Pathol Anat] 359:111-23, 19 Apr 73
[Normocalcemic fibrocystic osteitis. Apropos of an observation. Diagnostic problem and pathogenic interest] Dorfmann H, et al. Ann Med Interne (Paris) 124:217-23, Mar 73 (Fre)
[A case of osteomalacia due to malabsorption of unusual mechanism in a patient with blind loop syndrome] Sèze S de, et al. Rev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)
[The development of the masticatory organ in children after rickets] Winiarska-Majczyno M, et al. Czas Stomatol 26:537-41, 1973 (Eng. Abstr.) (Pol)

DRUG THERAPY

The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . Boyle IT, et al. J Biol Chem 248:4174-80, 25 Jun 73
Receptors of 1,25-dikydroxycholecalciferol in rat intestine. Chen TC, et al. J Biol Chem 248:4890-5, 25 Jul 73

ENZYMOLOGY

Vitamin D 3 -25-hydroxylase: tissue occurrence and apparent lack of regulation. Tucker G 3d, et al. Arch Biochem Biophys 155:47-57, Mar 73

METABOLISM

Relationship of extracellular matrix vesicles to calcification in normal and healing rachitic epiphyseal cartilage. Simon DR, et al. Anat Rec 176:167-79, Jun 73
The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . Boyle IT, et al. J Biol Chem 248:4174-80, 25 Jun 73
Receptors of 1,25-dikydroxycholecalciferol in rat intestine. Chen TC, et al. J Biol Chem 248:4890-5, 25 Jul 73
Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. J Clin Invest 22:1680-5, Jul 73
The regulation of intestinal calcium transport by vitamin D. Patrick G. Nature 243:89-91, 11 May 73

OCCURRENCE

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 1:907-10, 28 Apr 73

PHYSIOPATHOLOGY

Secondary hyperparathyroidism. Rasmussen H. Mt Sinai J Med NY 40:462-73, May-Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

NEUROENDOCRINOLOGY

I. Physical and Functional Aspects

AMYGDALOID BODY

[Anticonvulsive effect of clonazepam and Ro 8-4192 on penicillin and lidocaine induced convulsions] Gogolák G, et al.
Arzneim Forsch 23:545-9, Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

Demonstration of a catecholaminergic pathway from the midbrain to the strio-amygdaloid complex in the turtle (Chrysemys picta). Parent A.
J Anat 114:379-87, Apr 73

ANATOMY & HISTOLOGY

The connections of the dorsomedial nuclei. Leonard CM. **Brain Behav Evol 6:524-41, 1972**
Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res 54:1-29, 17 May 73**
Response inhibition deficits in mice with septal, amygdala, or cingulate cortical lesions. Slotnick BM, et al. **Physiol Behav 10:385-9, Feb 73**

CYTOLOGY

Demonstration of a catecholaminergic pathway from the midbrain to the strio-amygdaloid complex in the turtle (Chrysemys picta). Parent A.
J Anat 114:379-87, Apr 73

DRUG EFFECTS

Electroencephalographic and behavioral studies on the central action of nimetazepam (S-1530) in cats. Otsuka M, et al. **Arzneim Forsch 23:645-52, May 73**
Regulatory mechanisms of territorial marking in the Mongolian gerbil. Thiessen DD, et al.
J Comp Physiol Psychol 82:382-93, Mar 73
Opposite effects of platinum and stainless-steel lesions of the amygdala on gonadotropin secretion. Velasco ME. **Neuroendocrinology 10:301-8, 1972**
Attenuation of hypothermic retrograde amnesia produced by pharmacologic blockage of brain seizures. Gehres LD, et al.
Physiol Behav 10:1011-7, Jun 73

ENZYMOLOGY

Activity of choline acetyltransferase and acetylcholinesterase in the amygdala of spontaneous mouse-killer rats and in rats after olfactory lobe removal. Ebel A, et al. **Brain Res 57:248-51, 16 Jul 73**

GROWTH & DEVELOPMENT

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res 54:1-29, 17 May 73**

METABOLISM

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. **Biol Reprod 8:395-9, May 73**

PHYSIOLOGY

The normalizing effect of lateral amygdalar lesions upon the dorsomedial amygdalar syndrome in dogs. Fonberg E.
Acta Neurobiol Exp (Warsz) 33:449-66, 1973
The septum and hyper-reactivity: a review. Fried PA.
Br J Psychol 64:267-75, May 73 (79 ref.)
The influence of amino acids on the neuroregulation of food intake. Rogers QR, et al.
Fed Proc 32:1709-19, Jun 73
Injection of ACTH induces recovery from shuttle-box avoidance deficits in rats with amygdaloid lesions. Bush DF, et al.
J Comp Physiol Psychol 83:168-72, Apr 73
Differences in spatial discrimination reversal learning between two inbred mouse strains following specific amygdaloid lesions. Elias MF, et al.
J Comp Physiol Psychol 83:149-56, Apr 73
Effects of reinforcement omission on rats with lesions in the amygdala. Henke PG.
J Comp Physiol Psychol 84:187-93, Jul 73
Effects of simultaneous and successive septal and amygdaloid lesions on social behavior of the rat. Jonason KR, et al.
J Comp Physiol Psychol 83:54-61, Apr 73
Effects of lesions in the basolateral amygdala on fluid intake in the rat. Rolls BJ, et al.
J Comp Physiol Psychol 83:240-7, May 73
Altered food preferences after lesions in the basolateral region of the amygdala in the rat. Rolls ET, et al. **J Comp Physiol Psychol 83:248-59, May 73**
Modulating effect of limbic structures on gonadotropin release. Kawakami M, et al.
Neuroendocrinology 12:1-16, 1973
Opposite effects of platinum and stainless-steel lesions of the amygdala on gonadotropin secretion. Velasco ME. **Neuroendocrinology 10:301-8, 1972**
Effects of amygdalar lesions on eating and drinking and saline preference in the rat. Czech DA.
Physiol Behav 10:821-3, Apr 73
Attenuation of hypothermic retrograde amnesia produced by pharmacologic blockage of brain seizures. Gehres LD, et al.
Physiol Behav 10:1011-7, Jun 73
Lesions in the amygdala and the frustration effect. Henke PG, et al. **Physiol Behav 10:647-50, Apr 73**
Electrical activity of the cat amygdala during sexual behavior. Holmes JE, et al.
Physiol Behav 10:863-7, May 73
Response inhibition deficits in mice with septal, amygdala, or cingulate cortical lesions. Slotnick BM, et al. **Physiol Behav 10:385-9, Feb 73**
Self-stimulation and suppression of feeding observed at the same site in the amygdala. White NM.
Physiol Behav 10:215-9, Feb 73
EEG patterns of short-term memory in cats during approach-avoidance successive differentiation. Psatta DM. **Rev Roum Neurol 9:249-63, 1972**
[Mechanism of masseter reflex inhibition started in the amygdaloid body and the lenticular loop. Mediator role of the trigeminal nerve spinal root nucleus] Bobo EG, et al.
J Physiol (Paris) 65:Suppl 3:411A+, 1972 (Fre)
[Effects of septal, amygdaloid, striatal, nigral, and olfactory lesions on apomorphine-induced intraspecific aggressive behavior in the rat] Senault B.
Psychopharmacologia 28:13-25, 1973 (Eng. Abstr.) (Fre)

NEUROENDOCRINOLOGY

PHYSIOPATHOLOGY

Stereotactic evaluation of bitemporal epilepsy with electrodes and lesions. Nashold BS Jr, et al. **Confin Neurol 35:94-100, 1973**

[Mechanism and therapy of pain] Laborit G. **Rev Belge Med Dent 27:157-70, Mar 72 (Fre)**

SURGERY

Stereotaxic-hypothalamotomy. Balasubramaniam V, et al. **Confin Neurol 35:138-43, 1973**

Stereotactic neurosurgery for aggressive behaviour. **Med J Aust 1:779-80, 21 Apr 73**

The second wave. Breggin PR. **Ment Hyg 57:11-3, Winter 73**

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol 30:429-40, 1972 (49 ref.)**

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr. **Adv Exp Med Biol 30:441-6, 1972**

Adrenocortical activation in alcoholics during chronic drinking. Stokes PE. **Ann NY Acad Sci 215:77-83, 30 Apr 73**

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol 35:357-90, 1973 (175 ref.)**

Gonadotropin inhibitory factors (GIF) in rats. Saxena A. **Endocrinol Exp (Bratisl) 7:69-74, 1973**

Hypothalamic control of secretion of gonadotrophins. Sheehan HL. **Endocrinol Exp (Bratisl) 7:49-51, 1973**

Short-loop ("internal") pituitary-hypothalamus gonadotropin feedback in the human. Szontágh FE. **Endocrinol Exp (Bratisl) 7:65-7, 1973**

Volume changes in the cell nuclei of the ventromedial nucleus of the rabbit following hemorrhage. Bubenik GA. **Experientia 29:429-30, 15 Apr 73**

Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. **Experientia 29:718-9, 15 Jun 73**

Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. **J Endocrinol 57:539-48, Jun 73**

Role of testosterone in normal female function. Ohno S, et al. **Nature [New Biol] 243:119-20, 23 May 73**

MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Carrillo AJ, et al. **Neuroendocrinology 12:120-8, 1973**

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology 12:73-85, 1973**

[Gonadotropic effect of Sulpiride: initiation to a new contraceptive method] Gasnault JP, et al. **Lille Med 18:76-80, Jun 73 (Fre)**

[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al. **Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)**

[Plasma levels of 11-hydroxy and 11-desoxycorticoids in the metopirone test] Herrera Justiniano E, et al. **Rev Clin Esp 129:33-8, 1 Apr 73 (Eng. Abstr.) (Spa)**

ANATOMY & HISTOLOGY

The organization of tubero-hypophyseal and reticulo-infundibular catecholamine neuron systems in the rat brain. Björklund A, et al. **Brain Res 51:171-91, 15 Mar 73**

[Study with Golgi technic of division type and end fibers of the hypothalamo-infundibular tract in mammals] Barry J. **C R Soc Biol (Paris) 166:1313-5, 1972 (Fre)**

CYTOLOGY

Some aspects of neurosecretory morphology in various genital states. Rodriguez RV. **Acta Anat (Basel) 85:88-95, 1973**

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G. **Brain Res 55:245-61, 15 Jun 73**

In situ demonstration of changes in the preoptico-neurohypophysial complex after electrical stimulation of the olfactory tract in the catfish Clarias batrachus (Linn.). Rao PD, et al. **Z Zellforsch Mikrosk Anat 139:95-9, 11 May 73**

[The antidiuretic hormone (ADH)] Wagner H, et al. **Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)**

DRUG EFFECTS

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al. **Am J Obstet Gynecol 116:1013-6, 1 Aug 73**

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al. **Am J Obstet Gynecol 116:616-21, 1 Jul 73**

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. **Annu Rev Physiol 35:357-90, 1973 (175 ref.)**

Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. **Experientia 29:718-9, 15 Jun 73**

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al. **J Neural Transm 34:11-22, 1973**

Influence of levodopa on serum levels of anterior pituitary hormones in man. Boden G, et al. **Neuroendocrinology 10:309-15, 1972**

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE. **Neuroendocrinology 10:273-81, 1972**

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al. **Obstet Gynecol 41:803-8, Jun 73**

[Effect of L-Dopa on the secretion of prolactin in eels] Olivereau M, et al. **C R Acad Sci [D] (Paris) 276:1325-7, 19 Feb 73 (Fre)**

[Does ACTH have a place in rheumatology?] Six B, et al. **Rev Rhum Mal Osteoartic 39:327-30, Apr 72 (Fre)**

[Syndrome of postpartum amenorrhea and galactorrhea associated with primary hypothyroidism. Functional study of prolactin secretion] Pico I, et al. **Ginecol Obstet (Lima) 33:251-5, Mar 73 (Eng. Abstr.) (Spa)**

[Treatment of pituitary adenomas with chlorpromazine] Martín Zurro A, et al. **Rev Clin Esp 129:269-72, 15 May 73 (Eng. Abstr.) (Spa)**

EMBRYOLOGY

Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol 30:417-28, 1972**

IMMUNOLOGY

[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al. **C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 (Fre)**

METABOLISM

Regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al. **Endocrinol Exp (Bratisl) 7:119-23, 1973**

PHYSIOLOGY

Some aspects of neurosecretory morphology in various genital states. Rodriguez RV. **Acta Anat (Basel) 85:88-95, 1973**

Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats. Fendler K, et al. **Acta Physiol Acad Sci Hung 42:61-5, 1972**

Effect of intraventricular injection and intrahypothalamic implantation of serotonin on the hypothalamo-hypophyseal-adrenal system in the rat. Vermes I, et al. **Acta Physiol Acad Sci Hung 42:49-59, 1972**

Effects of ethinyl estradiol on the secretion of gonadotropins and estrogens in postpartum women. Crystle CD, et al. **Am J Obstet Gynecol 116:616-21, 1 Jul 73**

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol 35:305-28, 1973 (108 ref.)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

NEUROENDOCRINOLOGY

Effect of light and darkness on the hypothalamo-neurohypophyseal system of the garden lizard, Calotes versicolor. Banerjee SK.
Experientia 29:713-4, 15 Jun 73

Physiological aspects of immunogenesis and its regulation. Zdrodovsky PF, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:37-48, 1973

Regeneration of the human pituitary. Landolt AM.
J Neurosurg 39:35-41, Jul 73

Neural regulation of growth hormone secretion. Martin JB. **N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)**

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology 11:338-69, 1973 (186 ref.)**

Stability of intracranial self-stimulation following hypophysectomy. Phillips AG, et al.
Physiol Behav 10:351-3, Feb 73

Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

The hormones of the hypothalamus. Guillemin R, et al.
Sci Am 227:24-33, Nov 72

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al.
Cas Lek Cesk 112:741-5, 1973 (Eng. Abstr.) (Cze)

[Neuroendocrine relations] Schreiber V.
Cas Lek Cesk 112:609-11, 18 May 73 (Eng. Abstr.) (Cze)

[Cytologic study of the postnatal differentiation of interstitial testis cells of the Japanese quail] Scheib D.
C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 (Fre)

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

[Reactivity of the hypothalamo-hypophyseal-adrenal system of the guinea pig in relation to age] Dimitriu G.
Rev Roum Physiol 10:139-47, 1973 (Fre)

[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al.
Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)

[Physiologic menstruation cycle. Opinion of Prof. Mainaldo Maneschi] Salvati A.
Minerva Med 64:529-31, 3 Mar 73 (Ita)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

[The hypothalamus and hormones--the mechanism of secretion and control] Ito S.
Jap J Nurs Art 19:9-17, May 73 (Jap)

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

[Role of the hypothalamo-hypophyseal system in the regulation of the transcortin level in rat plasma] Rozen VB, et al.
Probl Endokrinol (Mosk) 19:58-63, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

[Metabolic and humoral correlates of sleep] Vein AM, et al.
Usp Sovrem Biol 75:295-313, Mar-Apr 73 (155 ref.) (Rus)

[Urinary excretion of luteinizing hormone during diminished and lost ovarian function] Stankovski M, et al.
God Zb Med Fak Skopje 18:195-205, 1972 (Eng. Abstr.) (Ser)

PHYSIOPATHOLOGY

Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation. Benjamin F, et al.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73

Endocrinology of puberty. II. Aberrations of sexual maturation. Root AW. **J Pediatr 83:187-200, Aug 73**

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973

[Determination of serum 11-hydroxycorticosteroids by fluorometry. Clinical use] Hainer V, et al.
Cas Lek Cesk 112:680-4, 1973 (Eng. Abstr.) (Cze)

[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Secretion of growth hormone and ACTH in pituitary tumors] Materazzi F, et al.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hypopituitarism due to post-partum necrosis, associated with diabetes insipidus. Possibility of a common etiology for the two processes. Commentary on a case] Marti-Henneberg C, et al.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Eng. Abstr.) (Fre)

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

[Hypocholesteremia in idiopathic hirsutism] Noseda G, et al.
Schweiz Med Wochenschr 103:931-4, 30 Jun 73 (Eng. Abstr.) (Ger)

[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al.
Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

[Morphofunctional changes in the endocrine system during hypoxia] Gribanov GA.
Kosm Biol Med 6:71-8, May-Jun 72 (Eng. Abstr.) (Rus)

[Electroencephalograms of insulinoma patients before and in the late periods after operation] Manusharova RA, et al.
Probl Endokrinol (Mosk) 19:30-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Functional state of the cerebral cortex in some forms of incretory insufficiency of the testes] Vartapetov BA, et al.
Probl Endokrinol (Mosk) 19:84-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

[The daily activity of the glucocorticoid function of the adrenal cortex in brain tumors] Martirosian VV, et al.
Vopr Neirokhir 37:50-4, Mar-Apr 73 (Eng. Abstr.) (Rus)

SECRETION

Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al.
Neth J Med 16:111-5, 1973

[Endocrinology in 1973] Bricaire H, et al.
Rev Prat 23:825-63, 21 Feb 73 (Fre)

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

HYPOTHALAMUS

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med 18:363-87, 1972 (97 ref.)**

Dissociation of the anorexic effects of fenfluramine and amphetamine following intrahypothalamic injection. Blundell JE, et al.
Br J Pharmacol 47:183-5, Jan 73

Autoradiographic evidence for a direct retino-hypothalamic projection in the avian brain. Meier RE. **Brain Res 53:417-21, 27 Apr 73**

Failure to demonstrate urinary excretion of luteinizing hormone-releasing factor activity in the rat following intravenous injection of porcine hypothalamic extract. Gordon JH, et al.
Endocrinology 93:259-61, Jul 73

Electrical stimulation of the brain as reinforcement of food consumption in aphagic cats. Chase MH, et al.
Exp Neurol 40:153-60, Jul 73

Feeding elicited in sheep by intrahypothalamic injections of PGE 1 . Martin FH, et al.
Experientia 29:306-7, 15 Mar 73

Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Keller PJ, et al.
Horm Metab Res 5:64-5, Jan 73

Growth characteristics of experimental intracerebrally transplanted oral epithelium. VanGilder JC, et al.
J Neurosurg 38:608-15, May 73

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic

nucleotide content. Peake GT, et al. **Metabolism 22:769-72, Jun 73**

Some endocrinological studies on a child with obesity and diabetes insipidus. Girotti F, et al. **Monatsschr Kinderheilkd 121:160-2, Apr 73**

Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity. Boyar RM, et al. **N Engl J Med 289:282-6, 9 Aug 73**

Temperature alteration of monoamine metabolites in cerebrospinal fluid. Isaac L. **Nature [New Biol] 243:269-71, 27 Jun 73**

Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al. **Neuroendocrinology 12:98-109, 1973**

Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone. Burgus R, et al. **Proc Natl Acad Sci USA 70:684-8, Mar 73**

The hormones of the hypothalamus. Guillemin R, et al. **Sci Am 227:24-33, Nov 72**

[Laughter. Reflections on its physiological bases] Mamo H. **Encephale 62:5-19, Jun-Feb 73 (Fre)**

[Morphologic changes in the afferent pathways of the heart in brain tumors affecting the hypothalamic area] Taiushev KG. **Kardiologiia 13:125-31, Mar 73 (Eng. Abstr.) (Rus)**

ANALYSIS

The role of cerebral serotonin in the ethanol preference of animals. Myers RD, et al. **Ann NY Acad Sci 215:135-44, 30 Apr 73**

Inhibition of the release of growth hormone in vitro by -melanocyte stimulating hormone. Schally AV, et al. **Biochem Biophys Res Commun 52:1314-9, 19 Jun 73**

Identification and quantitation of a new indolealkylamine in rat hypothalamus. Green AR, et al. **Brain Res 51:371-4, 15 Mar 73**

Demonstration of a catecholaminergic pathway from the midbrain to the strio-amygdaloid complex in the turtle (Chrysemys picta). Parent A. **J Anat 114:379-87, Apr 73**

The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al. **J Endocrinol 57:509-16, Jun 73**

Action of probenecid on the central nervous system of the rabbit. I. Effects on the elimination of 5-hydroxyindoleacetic acid. Gardey-Levassort C, et al. **Pharmacology 9:107-14, 1973**

Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Nicolescu E, et al. **Rev Roum Physiol 10:237-44, 1973**

Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male rats after standardized physical effort. Nicolescu E, et al. **Rev Roum Physiol 10:245-50, 1973**

[Clinical pathological study on the origin of hyalinosis of intracerebral vessels in hypertension] Rothemund E, et al. **Arch Psychiatr Nervenkr 217:195-206, 30 May 73 (Eng. Abstr.) (Ger)**

:[The effect of DOPA on catecholamine metabolism in spinal pain syndrome] Matlina ESh, et al. **Vopr Med Khim 19:173-6, Mar-Apr 73 (Eng. Abstr.) (Rus)**

ANATOMY & HISTOLOGY

The area preoptica in the cow. Lakomy M, et al. **Anat Anz 133:138-43, 1973**

The olfactory connections of the diencephalon in the rat. An experimental light- and electron-microscopic study with special emphasis on the problem of terminal degeneration. Heimer L. **Brain Behav Evol 6:484-523, 1972**

The organization of tubero-hypophyseal and reticulo-infundibular catecholamine neuron systems in the rat brain. Björklund A, et al. **Brain Res 51:171-91, 15 Mar 73**

The primary optic projections in pigmented and albino guinea pigs: an experimental degeneration study. Giolli RA, et al. **Brain Res 55:25-39, 30 May 73**

Certain ventromedial hypothalamic afferents. Millhouse OE. **Brain Res 55:89-105, 30 May 73**

The organization of the ventromedial hypothalamic nucleus. Millhouse OE. **Brain Res 55:71-87, 30 May 73**

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res 54:1-29, 17 May 73**

Differential release of acetylcholine from the hypothalamus and mesencephalon of the monkey during regulation. Myers RD, et al. **J Physiol (Lond) 230:273-93, Apr 73**

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr. **Vutr Boles 12:7-15, 1973 (Bul)**

[Study on the hypothalamic vascularization in aged rats] Benetato G, et al. **Rev Roum Physiol 10:97-104, 1973 (Fre)**

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. **Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)**

BLOOD SUPPLY

[Study on the hypothalamic vascularization in aged rats] Benetato G, et al. **Rev Roum Physiol 10:97-104, 1973 (Fre)**

[Ultrastructure of capillaries of the external zone of the median eminence of Rana temporaria in the process of metamorphosis] Belen'kiĭ MA, et al. **Dokl Akad Nauk SSSR 209:1232-4, 11 Apr 73 (Rus)**

CYTOLOGY

The area preoptica in the cow. Lakomy M, et al. **Anat Anz 133:138-43, 1973**

Hypothalamic neurosecretory system of the teleost Puntius sophore (Ham.). Sathyanesan AG, et al. **Anat Anz 133:59-67, 1973**

Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al. **Biochem Biophys Res Commun 52:967-73, 8 Jun 73**

Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism. Johansson KN, et al. **Biochem Biophys Res Commun 53:502-7, 17 Jul 73**

Ultrastructural identification of catecholamine neurones in the hypothalamic periventricular-arcuate nucleus-median eminence complex with special reference to quantitative aspects. Ajika K, et al. **Brain Res 57:97-117, 16 Jul 73**

Fluorescence histochemical and microspectrofluorometric mapping of dopamine and noradrenaline cell groups in the rat diencephalon. Björklund A, et al. **Brain Res 51:193-205, 15 Mar 73**

The organization of the ventromedial hypothalamic nucleus. Millhouse OE. **Brain Res 55:71-87, 30 May 73**

Synaptic alterations in the hypothalamus of the rabbit following long-term chlorpromazine administration. Koizumi J, et al. **Folia Psychiatr Neurol Jap 27:59-67, 1973**

Demonstration of a catecholaminergic pathway from the midbrain to the strio-amygdaloid complex in the turtle (Chrysemys picta). Parent A. **J Anat 114:379-87, Apr 73**

Changes in the appearance of hypothalamo-neurohypophysial neurosecretory granules associated with their maturation. Cannata MA, et al. **J Endocrinol 57:531-8, Jun 73**

The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al. **J Endocrinol 57:509-16, Jun 73**

An autoradiographic analysis of hypothalamic magnocellular neurons. Scott DE, et al. **Z Zellforsch Mikrosk Anat 138:421-37, 17 Apr 73**

[Neurohistological study of reticular cells in the mammalian hypothalamus] Barry J. **C R Acad Sci [D] (Paris) 275:1163-5, 11 Sep 72 (Fre)**

[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al. **Acta Med Okayama 26:89-97, Aug 72 (Ger)**

[Ultrastructural observations on the functional morphology of the tubero-hypophyseal system of the rat] Wittkowski W. **Z Zellforsch Mikrosk Anat 139:101-48, 11 May 73 (Eng. Abstr.) (Ger)**

DRUG EFFECTS

Corticotrophin-releasing factor activity in

LIBRARY U. OF I., URBANA-CHAMPAIGN

hypothalamic extracts of man. Schilling RM, et al. **Acta Endocrinol (Kbh)** 73:1-10, May 73

Central effects of sympathomimetic amines. Marley E. **Acta Physiol Pol** 24:21-31, Jan-Feb 73

Specific changes in the defensive behavior of cats following injection of D-tubocurarine into the hypothalamic areas. Romaniuk A, et al. **Acta Physiol Pol** 24:305-13, 1973

Cholinergic receptors in the ventromedial hypothalamus govern operant response strength. Margules DL, et al. **Am J Physiol** 224:1475-9, Jun 73

Action of Hr-18 ascites and of thiamin-treated ascites on the supraoptical and paraventricular nuclei of white rats. Miscalencu D, et al. **Anat Anz** 133:90-6, 1973

Changes in search behaviour in male and female chicks, following different doses of testosterone. Andrew RJ. **Anim Behav** 20:741-50, Nov 72

Parenteral long-acting corticosteroids: effect on hypothalamic-pituitary-adrenal function. Mikhail GR, et al. **Ann Allergy** 31:337-43, Jul 73

Neuron specificity and ethanol: where does alcohol act in the brain. Spector NH. **Ann NY Acad Sci** 215:60-70, 30 Apr 73

Effects of ethyl alcohol on lateral hypothalamic neurons. Wayner MJ. **Ann NY Acad Sci** 215:13-7, 30 Apr 73

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al. **Annu Rev Pharmacol** 13:1-17, 1973 (55 ref.)

Effects of anticholinergic agents on self-stimulation. Pradhan SN, et al. **Arch Int Pharmacodyn Ther** 201:16-24, Jan 73

Delta-9-tetrahydrocannnabinol: inhibition of deprivation- and carbachol-induced water consumption in the rat after central and peripheral administration. Kilbey MM, et al. **Behav Biol** 8:679-85, May 73

Inhibition of chemically elicited feeding and drinking by autonomic blocking agents. Lonowski DJ, et al. **Behav Biol** 8:251-9, Feb 73

Ultrastructural identification of catecholamine neurones in the hypothalamic periventricular-arcuate nucleus-median eminence complex with special reference to quantitative aspects. Ajika K, et al. **Brain Res** 57:97-117, 16 Jul 73

Non-cholinergic vasodilatation in the canine hind limb evoked by hypothalamic stimulation. Bell C, et al. **Brain Res** 56:392-5, 29 Jun 73

Effect of chronic administration of nicotine on acetylcholinesterase activity in the hypothalamus and medulla oblongata of the rat brain. An ultrastructural study. Chang PL, et al. **Brain Res** 54:75-84, 17 May 73

Responses of hypothalamic neurones to local temperature and to acetylcholine, noradrenaline and 5-hydroxytryptamine. Jell RM. **Brain Res** 55:123-34, 30 May 73

The effects of acetylcholine and nicotine on unit activity in the hypothalamic thermoregulatory centers of the rat. Knox GV, et al. **Brain Res** 51:215-23, 15 Mar 73

Effect of methscopolamine, physostigmine, and neostigmine on neuron activity in the midbrain, the hippocampus, and the hypothalamus in the behaving rat. Olds ME, et al. **Brain Res** 50:315-30, 28 Feb 73

Changes in firing rates of single preoptic and hypothalamic units following an intravenous administration of estrogen in the castrated female rat. Yagi K. **Brain Res** 53:343-52, 27 Apr 73

The effect of chlorpromazine on pituitary function. Saldanha VF, et al. **Clin Endocrinol (Oxf)** 1:173-80, Apr 72

Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. **Experientia** 29:718-9, 15 Jun 73

Feeding elicited in sheep by intrahypothalamic injections of PGE 1 . Martin FH, et al. **Experientia** 29:306-7, 15 Mar 73

Synaptic alterations in the hypothalamus of the rabbit following long-term chlorpromazine administration. Koizumi J, et al. **Folia Psychiatr Neurol Jap** 27:59-67, 1973

Effect of intracranial acetylcholine injection on thermoregulatory responses in the rat. Crawshaw LI. **J Comp Physiol Psychol** 83:32-5, Apr 73

Regulatory mechanisms of territorial marking in the Mongolian gerbil. Thiessen DD, et al. **J Comp Physiol Psychol** 82:382-93, Mar 73

Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. **J Comp Physiol Psychol** 83:388-93, Jun 73

The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al. **J Endocrinol** 57:509-16, Jun 73

Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. Feldman S, et al. **J Neural Transm** 34:1-9, 1973

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al. **J Neural Transm** 34:11-22, 1973

Superfusion of the hypothalamus with gamma-aminobutyric acid. Effect on release of noradrenaline and blood pressure. Philippu A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 276:103-18, 23 Feb 73

Fate of intracisternally injected melatonin in the rat brain. Cardinali DP, et al. **Neuroendocrinology** 12:30-40, 1973

Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Fuxe K, et al. **Neuroendocrinology** 10:282-300, 1972

Effects of progesterone on uptake and retention of 3 H-testosterone in the neonatal female rate. Heffner LJ, et al. **Neuroendocrinology** 12:129-41, 1973

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al. **Neuroendocrinology** 12:73-85, 1973

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology** 11:338-69, 1973 (186 ref.)

Further evidence on the intrahypothalamic locus for androgenization of female rats. Nadler RD. **Neuroendocrinology** 12:110-9, 1973

Alterations produced by cortisol in the spontaneous activity and responsiveness to sensory stimuli of single cells in the tuberal hypothalamus of the rat. Nagler J, et al. **Neuroendocrinology** 12:52-66, 1973

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE. **Neuroendocrinology** 10:273-81, 1972

Progesterone-sensitive loci for blockade of ovulation in the hamster. Reuter LA, et al. **Neuroendocrinology** 12:17-29, 1973

Glucose oxidation in the hypothalamus during the sexual cycle in rats: influence of castration. Scacchi P, et al. **Neuroendocrinology** 11:321-7, 1973

Effects of (-) 9 -trans-tetrahydrocannabinol and its selectivity in several models of aggressive behavior. Dubinsky B, et al. **Pharmacology** 9:204-16, 1973

Prostaglandins and food intake of rats: a component of energy balance regulation? Baile CA, et al. **Physiol Behav** 10:1077-85, Jun 73

Effects of chemical stimulation of the hypothalamus upon gastric secretion. Carmona A, et al. **Physiol Behav** 10:657-61, Apr 73

Hypothalamic metallic deposition and the production of experimental obesity. Dubuc PU, et al. **Physiol Behav** 10:677-81, Apr 73

Interaction of hypothalamic structures in the mediation of male sexual behavior. Hendricks SE, et al. **Physiol Behav** 10:711-6, Apr 73

Taste preferences for sucrose solutions and water under cholinergic and deprivation thirst. Johnson AK, et al. **Physiol Behav** 10:607-12, Mar 73

Tolerance for quinine under cholinergic versus deprivation induced thirst. Johnson AK, et al. **Physiol Behav** 10:613-6, Mar 73

Sex differences in salt taste: the effect of testosterone. Kfeček J. **Physiol Behav** 10:683-8, Apr 73

Factors influencing the lesioning effect of gold thioglucose on the ventromedial hypothalamus of Bar Harbor obese mice. McLaughlin CL, et al. **Physiol Behav** 10:339-43, Feb 73

The action of adrenergic anorexigenic substances on rats recovered from lateral hypothalamic lesions. Russek M, et al. **Physiol Behav** 10:329-33, Feb 73

Hyperphagia induced by intrahypothalamic implants of mercury thioglucose. Sandrew BB, et al. **Physiol Behav** 10:1061-6, Jun 73

Ionic changes in cerebrospinal fluid and feeding, drinking and temperature of sheep. Seoane JR, et al. **Physiol Behav** 10:915-23, May 73

Drinking to intracerebral angiotensin II and carbachol: dose-response relationships and ionic involvement. Swanson LW, et al. **Physiol Behav** 10:595-600, Mar 73

Intracranial self-stimulation in rats as a function of

various stimulus parameters. 3. Influence of apomorphine on medial forebrain bundle stimulation with monopolar electrodes. Wauquier A, et al. **Psychopharmacologia** 30:163-72, 21 May 73

[Action of neuroleptics on hypothalamo-hypophyso-corticotropic and hypothalamo-somatotropic functions] Soulairac A, et al.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Hyperphagia induced in geese by intraventricular injections of 6-hydroxydopamine] Auffray P, et al. **C R Acad Sci [D] (Paris)** 276:347-50, 15 Jan 73 (Fre)

[Hemodynamic reactions of the anesthetized dog after progressive electric stimulation of the hypothalamus: pharmacological interferences] Bogaert PP van, et al. **J Physiol (Paris)** 65:Suppl 3:357A, 1972 (Fre)

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al. **J Physiol (Paris)** 65:Suppl 3:393A, 1972 (Fre)

[Gonadotropic effect of Sulpiride: initiation to a new contraceptive method] Gasnault JP, et al. **Lille Med** 18:76-80, Jun 73 (Fre)

[Effect of oral administration of L-dopa on plasma levels of TSH, ACTH and GH in normal subjects] Simonin R, et al.
Sem Hop Paris 49:617-21, 20 Feb 73 (Eng. Abstr.) (Fre)

[Pharmacology and biochemistry of fenfluramine] Duhault J. **Vie Med Can Fr** 2:141-7, 1973 (25 ref.) (Fre)

[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al.
Acta Med Okayama 26:89-97, Aug 72 (Ger)

[Possible participation of N-cholinoreactive structures in the cat brain in the elaboration of the rage reaction] Burov IuV, et al.
Zh Vyssh Nerv Deiat 22:1311-3, Nov-Dec 72 (Rus)

[Neurochemical aspects of the formation of electrographic and behavioral reactions] Il'iuchenok RIu, et al.
Zh Vyssh Nerv Deiat 22:1133-41, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Effect of direct electrical and chemical stimulation on the excitability of the hypothalamic nuclei and self-stimulation reaction in dogs] Krauz VA, et al.
Zh Vyssh Nerv Deiat 22:1226-33, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Cytodifferentiation of the adenohypophysis of the domestic fowl. Mikami S, et al.
Z Zellforsch Mikrosk Anat 138:299-314, 17 Apr 73

[Fine structure of the mouse median eminence during early stages of its ontogenesis] Beauvillain JC.
Z Zellforsch Mikrosk Anat 139:201-15, 18 May 73 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Effect of chronic administration of nicotine on acetylcholinesterase activity in the hypothalamus and medulla oblongata of the rat brain. An ultrastructural study. Chang PL, et al. **Brain Res** 54:75-84, 17 May 73

Feeding and drinking deficits after 6-hydroxydopamine administration in the rat: similarities to the lateral hypothalamic syndrome. Fibiger HC, et al. **Brain Res** 55:135-48, 30 May 73

Polyamines: developmental alterations in regional disposition and metabolism in rat brain. Shaskan EG, et al. **J Neurochem** 20:1443-52, May 73

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al.
Neuroendocrinology 12:73-85, 1973

Enzymatic synthesis of prolactin-releasing factor (PRF) by rat hypothalamic incubates and by extracts of rat hypothalamic tissue: evidence for "PRF synthetase". Mitnick MA, et al.
Proc Soc Exp Biol Med 143:418-21, Jun 73

[The acetylcholinesterase activity of hypothalamic and cortical structures under pharmacologic influences] Makarchenko AF, et al.
Neirofiziologiia 5:47-53, Jan-Feb 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Raisman G, et al. **Brain Res** 54:1-29, 17 May 73

IMMUNOLOGY

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)

INJURIES

Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al. **Horm Metab Res** 5:48-50, Jan 73

METABOLISM

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al. **Acta Endocrinol (Kbh)** 73:1-10, May 73

The changes of noradrenaline in sympathetic ganglia and in the brain under reflex and humoral influences. Bulygin IA, et al.
Acta Physiol Pol 24:149-55, Jan-Feb 73

Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism. Johansson KN, et al.
Biochem Biophys Res Commun 53:502-7, 17 Jul 73

Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73

Pharmacological modifications of the 6-hydroxy-dopa induced degeneration of central noradrenaline neurons. Jonsson G, et al.
Biochem Pharmacol 22:1709-16, 15 Jul 73

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al.
Biochim Biophys Acta 297:540-8, 28 Feb 73

The aggressive monoamines. Eichelman BS Jr, et al.
Biol Psychiatry 6:143-64, Apr 73

COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats. Perez-Palacios G, et al. **Biol Reprod** 8:395-9, May 73

Blockage of amphetamine induced motor stimulation and stereotypy in the adult rat following neonatal treatment with 6-hydroxydopamine. Creese I, et al.
Brain Res 55:369-82, 15 Jun 73

In vivo alterations in the incorporation of (3 H)lysine into the medial preoptic nucleus and specific hypothalamic nuclei during the estrous cycle of the rat. Litteria M. **Brain Res** 55:234-7, 30 May 73

Autoradiographic evidence for a direct retino-hypothalamic projection in the avian brain. Meier RE. **Brain Res** 53:417-21, 27 Apr 73

Catecholamines and self-stimulation behavior: effects of brain levels after stimulation, and pretreatment with DL- -methyl-rpo-tyrosine. Yuwiler A, et al.
Brain Res 50:331-40, 28 Feb 73

Regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:119-23, 1973

The distribution and exchange of brain calcium in vivo in the rat. Faragalia FF.
Exp Brain Res 17:206-15, 30 Apr 73

Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Peng MT, et al. **Fertil Steril** 24:534-9, Jul 73

Steroid hormones and their receptors. Thomas PJ.
J Endocrinol 57:333-59, May 73

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al.
J Neural Transm 34:11-22, 1973

Polyamines: developmental alterations in regional disposition and metabolism in rat brain. Shaskan EG, et al. **J Neurochem** 20:1443-52, May 73

Polyamine turnover in different regions of rat brain. Shaskan EG, et al. **J Neurochem** 20:1453-60, May 73

Incorporation of 14 C from (U- 14 C)glucose into free

LIBRARY U. OF L. URBANA-CHAMPAIGN

NEUROENDOCRINOLOGY

amino acids in mouse brain loci in vivo under normal conditions. Shimada M, et al.
J Neurochem 20:1337-44, May 73

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73

Fate of intracisternally injected melatonin in the rat brain. Cardinali DP, et al.
Neuroendocrinology 12:30-40, 1973

Effects of progesterone on uptake and retention of 3 H-testosterone in the neonatal female rate. Heffner LJ, et al. **Neuroendocrinology** 12:129-41, 1973

Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone. Libertun C, et al.
Neuroendocrinology 12:73-85, 1973

Glucose oxidation in the hypothalamus during the sexual cycle in rats: influence of castration. Scacchi P, et al. **Neuroendocrinology** 11:321-7, 1973

Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Friedman S.
Obstet Gynecol 41:809-17, Jun 73

Enzymatic synthesis of prolactin-releasing factor (PRF) by rat hypothalamic incubates and by extracts of rat hypothalamic tissue: evidence for "PRF synthetase". Mitnick MA, et al.
Proc Soc Exp Biol Med 143:418-21, Jun 73

Some metabolic effects of bufotenin on the central nervous system in rats. Ardeleanu A, et al.
Rev Roum Physiol 10:221-7, 1973

Estrogen formation by the isolated perfused rhesus monkey brain. Flores F, et al.
Science 180:1074-5, 8 Jun 73

Testosterone concentration in the male chick brain: an autoradiographic survey. Meyer CC.
Science 180:1381-3, 29 Jun 73

[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al.
C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 **(Fre)**

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al.
J Physiol (Paris) 65:Suppl 3:393A, 1972 **(Fre)**

[Study on the hypothalamic vascularization in aged rats] Benetato G, et al.
Rev Roum Physiol 10:97-104, 1973 **(Fre)**

[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) **(Ger)**

[Inhibitory effect of 5-hydroxytryptophan on heart regulation during emergence from hibernation] Popova NK.
Dokl Akad Nauk SSSR 210:496-8, 11 May 73 **(Rus)**

[Protein synthesis dynamics in the neurons and glia of the rat brain during their adaptation to high hypoxia] Meerson FZ, et al.
Tsitologiia 15:324-9, Mar 73 (Eng. Abstr.) **(Rus)**

[The effect of barbamyl anesthesia of different depths on protein concentration in the neurons and neuroglia of the supraoptic and red nuclei of the rat brain] Voronka GSh, et al.
Vopr Med Khim 18:412-8, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

[Hypothalamic lesions and its functions in 2 autopsy cases] Miyasaki K, et al.
Folia Endocrinol Jap 49:681-90, 20 Apr 73 (Eng. Abstr.) **(Jap)**

PATHOLOGY

Agenesis of the corpus callosum associated with relapsing hypothermia. A clinico-pathological report. Noël P, et al. **Brain** 96:359-68, Jun 73

Hypothalamic control of secretion of gonadotrophins. Sheehan HL. **Endocrinol Exp (Bratisl)** 7:49-51, 1973

Volume changes in the cell nuclei of the ventromedial nucleus of the rabbit following hemorrhage. Bubenik GA. **Experientia** 29:429-30, 15 Apr 73

ACTH inhibition of dehydration-induced changes in the hypothalamic neurosecretory system of the musk shrew, suncus murinus L. Kulshreshtha A, et al.
Indian J Med Res 60:1032-7, Jul 72

Hypothermia and Wernicke's encephalopathy. Philip G, et al. **Lancet** 2:122-4, 21 Jul 73

Effect of electrolytic lesions in various regions of the basal hypothalamus in White Leghorn cockerels upon food intake, obesity, blood plasma triglycerides and proteins. Snapir N, et al. **Poult Sci** 52:629-36, Mar 73

PHYSIOLOGY

Central and peripheral temperatures and EEG changes during behavioural thermoregulation in pigs. Baldwin BA, et al. **Acta Neurobiol Exp (Warsz)** 33:433-47, 1973

The effects of single and repetitive electrical stimulation of spinal afferent nerves and central nervous structures on the sympathetic nervous system. Kirchner F.
Acta Physiol Pol 24:123-7, Jan-Feb 73

Thermoregulatory reactions to hypothalamic heating under conditions of normothermia and hyperthermia in the rabbit. Lyszczarz J, et al.
Acta Physiol Pol 24:423-31, 1973

Specific changes in the defensive behavior of cats following injection of D-tubocurarine into the hypothalamic areas. Romaniuk A, et al.
Acta Physiol Pol 24:305-13, 1973

Temperature regulation during isotonic exercise. Greenleaf JE. **Acta Physiol Pol [Suppl]** 24:67-75, 1973

Development of the thyroid control system. Nershman JM, et al. **Adv Exp Med Biol** 30:417-28, 1972

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Cholinergic receptors in the ventromedial hypothalamus govern operant response strength. Margules DL, et al. **Am J Physiol** 224:1475-9, Jun 73

Changes of plasma glucose and insulin during defense reactions in monkeys. Natelson BH, et al.
Am J Physiol 224:1454-62, Jun 73

Hypothalamic mediation of sinus baroreceptor-evoked muscle cholinergic dilator response. Takeuchi T, et al.
Am J Physiol 224:1280-7, Jun 73

Hyppothalamic inhibition of chemoreceptor-induced bradycardia in the cat. Thomas MR, et al.
Am J Physiol 225:201-8, Jul 73

Sound production evoked by electrical stimulation of the brain in toadfish (Opsanus beta). Demski LS, et al.
Anim Behav 20:507-13, Aug 72

Repetitive vocalizations evoked by local electrical stimulation of avian brains. I. Awake chickens (Gallus Gallus). Phillips RE, et al.
Anim Behav 20:689-705, Nov 72

Mechanism of suppressing anaphylaxis through electrolytic lesion of the tuberal region of the hypothalamus. Filipp G. **Ann Allergy** 31:272-8, Jun 73

Effects of ethyl alcohol on lateral hypothalamic neurons. Wayner MJ.
Ann NY Acad Sci 215:13-7, 30 Apr 73

Biogenic amines and behavior. Baldessarini RJ.
Annu Rev Med 23:343-54, 1972 (114 ref.)

Thyrotropin releasing hormone: secretion and actions. Wilber JF. **Annu Rev Med** 24:353-64, 1973 (98 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Urinary testosterone after hypothalamic stimulation in the male rat. Lotti G, et al.
Arch Int Physiol Biochim 81:41-6, Feb 73

Recovery of function: implications for theories of brain function. Dawson RG. **Behav Biol** 8:439-60, Apr 73

Inhibition of chemically elicited feeding and drinking by autonomic blocking agents. Lonowski DJ, et al.
Behav Biol 8:251-9, Feb 73

Do rats terminate hypothalamic stimulation only in order to turn it on again? Mendelson J, et al.
Behav Biol 8:619-28, May 73

Rostral medial forebrain bundle lesions produce decrements in masculine, but not feminine, sexual behavior in spayed female rats. Modianos DT, et al.
Behav Biol 8:629-36, May 73

Emotionality, hunger, and normal eating: implications for interpretation of electrically induced behavior. Wise RA, et al. **Behav Biol** 8:519-31, Apr 73

Fenfluramine: effects on aggression. Pankesepp J, et al. **Biol Psychiatry** 6:181-6, Apr 73

Evidence of -noradrenergic reward receptors and serotonergic punishment receptors in the rat brain. Wise CD, et al. **Biol Psychiatry** 6:3-21, Feb 73

Thalamic sites and pathways related to elicited attack. Siegel A, et al. **Brain Behav Evol** 6:542-55, 1972

Non-cholinergic vasodilatation in the canine hind limb evoked by hypothalamic stimulation. Bell C, et al.
Brain Res 56:392-5, 29 Jun 73

Activity of choline acetyltransferase and

acetylcholinesterase in the amygdala of spontaneous mouse-killer rats and in rats after olfactory lobe removal. Ebel A, et al. **Brain Res** 57:248-51, 16 Jul 73

Feeding and drinking deficits after 6-hydroxydopamine administration in the rat: similarities to the lateral hypothalamic syndrome. Fibiger HC, et al. **Brain Res** 55:135-48, 30 May 73

Effects of mesencephalic and hypothalamic lesions on histamine levels in rat brain. Garbarg M, et al. **Brain Res** 50:361-7, 28 Feb 73

Postsynaptic potentials in the mesencephalic and pontomedullar reticular regions underlying descending limbic influences. Grantyn R, et al. **Brain Res** 56:107-21, 29 Jun 73

Effects of medial preoptic-anterior hypothalamic lesions of mating behavior of male cats. Hart BL, et al. **Brain Res** 54:177-91, 17 May 73

Monocular imprinting and regional incorporation of tritiated uracil into the brains of intact and "split-brain" chicks. Horn G, et al. **Brain Res** 56:227-37, 29 Jun 73

Operant conditioning in forebrain ablated rats by use of rewarding hypothalamic stimulation. Huston JP, et al. **Brain Res** 50:467-72, 28 Feb 73

Responses of hypothalamic neurones to local temperature and to acetylcholine, noradrenaline and 5-hydroxytryptamine. Jell RM. **Brain Res** 55:123-34, 30 May 73

A comparison of the eating in response to hypothermic and glucoprivic challenges after nigral 6-hydroxydopamine and lateral hypothalamic electrolytic lesions in rats. Marshall JF, et al. **Brain Res** 55:229-33, 30 May 73

Self-stimulation versus food reinforcement: comparative study of two different nervous structures, the lateral hypothalamus and the ventral tegmental area of the mesencephalon. Miliaressis E, et al. **Brain Res** 57:75-83, 16 Jul 73

Certain ventromedial hypothalamic afferents. Millhouse OE. **Brain Res** 55:89-105, 30 May 73

The organization of the ventromedial hypothalamic nucleus. Millhouse OE. **Brain Res** 55:71-87, 30 May 73

Dorsal hippocampal unit and egg responses to rewarding and aversive brain stimulation in rats. Sinnamon HM, et al. **Brain Res** 56:183-202, 29 Jun 73

Importance of adaptive changes in vascular design for establishment of primary hypertension, studied in man and in spontaneously hypertensive rats. Folkow B, et al. **Circ Res** 32:Suppl 1:2-16, 5 May 73 (38 ref.)

Suppression of renin activity by hypothalamic stimulation. Zehr JE, et al. **Circ Res** 32:Suppl 1:17-27, 5 May 73

The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys. Callard IP, et al. **Comp Biochem Physiol [A]** 44:625-9, 1 Feb 73

Feeding and aggressive behavior evoked by hypothalamic stimulation in a cichlid fish. Demski LS. **Comp Biochem Physiol [A]** 44:685-92, 1 Mar 73

Hypothalamic control of secretion of gonadotrophins. Sheehan HL. **Endocrinol Exp (Bratisl)** 7:49-51, 1973

Short-loop ("internal") pituitary-hypothalamus gonadotropin feedback in the human. Szontágh FE. **Endocrinol Exp (Bratisl)** 7:65-7, 1973

Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction. Eguchi Y, et al. **Endocrinology** 93:1-11, Jul 73

Release of LH by LRF injected into the CSF: a transport role for the median eminence. Ondo JG, et al. **Endocrinology** 93:231-7, Jul 73

Human prolactin. Daughaday WH, et al. **Ergeb Physiol** 67:169-94, 1972 (102 ref.)

Physiology and pharmacology of female reproduction under the aspect of fertility control. Elger W. **Ergeb Physiol** 67:69-168, 1972 (344 ref.)

The integration of autonomic system reactions: a discussion of autonomic reflexes, their control and their association with somatic reactions. Koizumi K, et al. **Ergeb Physiol** 67:1-68, 1972 (220 ref.)

Effects of neocortical ablations on eating elicited by hypothalamic stimulation. Rice RW, et al. **Exp Neurol** 39:359-71, Jun 73

The influence of electrical stimulation of the rat brain on serum prolactin levels. Gala RR, et al. **Experientia** 29:355-6, 15 Mar 73

Probing the rostral brainstem of anesthetized, unanesthetized, and exercising dogs and of hibernating and euthermic ground squirrels. Hammel HT, et al. **Fed Proc** 32:1588-97, May 73

Posterior hypothalamus and the regulation of body temperature. Hardy JD. **Fed Proc** 32:1564-71, May 73

Hypothalamic-adipose tissue interrelationships. Lepkovsky S. **Fed Proc** 32:1705-8, Jun 73

The influence of amino acids on the neuroregulation of food intake. Rogers QR, et al. **Fed Proc** 32:1709-19, Jun 73

Thermoregulation during positive and negative work exercise. Stolwijk JA, et al. **Fed Proc** 32:1607-13, May 73

Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Ravona H, et al. **Gen Comp Endocrinol** 20:490-7, Jun 73

Effects of pharmacological agents on the in vivo release of melanophore-stimulating hormone in the dogfish, Scyliorhinus canicula. Wilson JF, et al. **Gen Comp Endocrinol** 20:556-66, Jun 73

Schedule-induced polydipsia: effect of water temperature, ambient temperature, and hypothalamic cooling. Carlisle HJ. **J Comp Physiol Psychol** 83:208-20, May 73

Voluntary control of hypothalamic temperature. Corbit JD. **J Comp Physiol Psychol** 83:394-411, Jun 73

Effect of intracranial acetylcholine injection on thermoregulatory responses in the rat. Crawshaw LI. **J Comp Physiol Psychol** 83:32-5, Apr 73

Behavioral measurements of the neural poststimulation excitability cycle in the lateral hypothalamic eating system of the rat. Halboth PH, et al. **J Comp Physiol Psychol** 83:429-33, Jun 73

Effects of quinine adulteration upon body weight of LH-lesioned and intact male rats. Keesey RE, et al. **J Comp Physiol Psychol** 84:38-46, Jul 73

Effects of ventromedial hypothalamic lesions on hunger-motivated behavior in rats. Kent MA, et al. **J Comp Physiol Psychol** 83:92-7, Apr 73

Effects of lateral hypothalamic lesions on placentophagia in virgin, primiparous, and multiparous rats. Kristal MB. **J Comp Physiol Psychol** 84:53-62, Jul 73

Role of a lipostatic mechanism in regulation by feeding of energy balance in rats. Le Magnen J, et al. **J Comp Physiol Psychol** 84:1-23, Jul 73

Failure of recovered lateral hypothalamic rats to learn specific food aversions. Roth SR, et al. **J Comp Physiol Psychol** 83:184-97, May 73

Effects of preoperative training on food-motivated behavior of hypothalamic hyperphagic rats. Singh D. **J Comp Physiol Psychol** 84:47-52, Jul 73

Temperature regulation and salivation following preoptic lesions in the rat. Toth DM. **J Comp Physiol Psychol** 82:480-8, Mar 73

Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. Voci VE, et al. **J Comp Physiol Psychol** 83:388-93, Jun 73

Effect of lesions in the medial forebrain bundle on three measures of pain sensitivity and noise-elicited startle. Yunger LM, et al. **J Comp Physiol Psychol** 83:173-83, May 73

The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus. Dyer RG, et al. **J Endocrinol** 57:509-16, Jun 73

The milk-ejection reflex of the rat: a 20- to 40-fold acceleration in the firing of paraventricular neurones during oxytocin release. Wakerley JB, et al. **J Endocrinol** 57:477-93, Jun 73

Effects of food deprivation on free-operant avoidance behavior. Leander JD. **J Exp Anal Behav** 19:17-24, Jan 73

Posterior hypothalamic neurons responsive to preoptic region thermal stimulation. Nutik SL. **J Neurophysiol** 36:238-49, Mar 73

Convergence of cutaneous and preoptic region thermal afferents on posterior hypothalamic neurons. Nutik SL. **J Neurophysiol** 36:250-7, Mar 73

Hippocampal influence on unit activity of hypothalamus, preoptic region, and basal forebrain in awake, stting squirrel monkeys. Poletti CE, et al. **J Neurophysiol** 36:308-24, Mar 73

Single unit activity in the supraoptic nucleus of Brattleboro rats. Dyball RE. **J Physiol (Lond)** 231:39P-40P, May 73

Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation

LIBRARY U. OF I., URBANA-CHAMPAIGN

in rats. Labhsetwar AP.
J Reprod Fertil 33:545-8, Jun 73

Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73

Inhibition of hypoglycemia-induced growth hormone secretion by the serotonin antagonists cyproheptadine and methysergide. Bivens CH, et al.
N Engl J Med 289:236-9, 2 Aug 73

Neural regulation of growth hormone secretion. Martin JB. **N Engl J Med** 288:1384-93, 28 Jun 73 (83 ref.)

Reduced pressor responses to stimulation of the locus coeruleus after lesion of the posterior hypothalamus. Przuntek H, et al.
Naunyn Schmiedebergs Arch Pharmacol 276:119-22, 23 Feb 73

Patterning mechanisms, patterned reflexes, and attack behavior in cats. Flynn JP.
Nebr Symp Motiv 20:125-53, 1972

Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation. Blake CA, et al.
Neuroendocrinology 12:86-97, 1973

MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Carrillo AJ, et al.
Neuroendocrinology 12:120-8, 1973

Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Feldman S, et al.
Neuroendocrinology 10:316-23, 1972

Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al.
Neuroendocrinology 12:98-109, 1973

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology** 11:338-69, 1973 (186 ref.)

Alterations produced by cortisol in the spontaneous activity and responsiveness to sensory stimuli of single cells in the tuberal hypothalamus of the rat. Nagler J, et al. **Neuroendocrinology** 12:52-66, 1973

Feedback effects of thyroxine in goldfish Carassius auratus with an autotransplanted pituitary. Peter RE.
Neuroendocrinology 10:273-81, 1972

Effect of photic stimulation on hypothalamic electroencephalograph and thyroid activity in the chicken. Shimada K, et al.
Neuroendocrinology 12:142-8, 1973

Intake of diazepam and hashish by alcohol preferring rats deprived of alcohol. Amit Z, et al.
Physiol Behav 10:523-7, Mar 73

The effect of ambient temperatures on eating elicited by hypothalamic stimulation. Baettig K, et al.
Physiol Behav 10:887-91, May 73

Influence of type of reinforcement on operant responding by rats with ventromedial lesions. Beatty WW. **Physiol Behav** 10:841-6, May 73

Disruption of diurnal feeding and weight gain cycles in weanling rats by ventromedial and dorsomedial hypothalamic lesions. Bernardis LL.
Physiol Behav 10:855-61, May 73

Inhibition and facilitation of self-stimulation behavior by aversive stimulation. Beyra M, et al.
Physiol Behav 10:563-6, Mar 73

Effectiveness of lateral hypothalamic stimulation, arousal, and food deprivation in the initiation of hoarding behaviour in naive rats. Blundell JE, et al.
Physiol Behav 10:763-7, Apr 73

Effects of chemical stimulation of the hypothalamus upon gastric secretion. Carmona A, et al.
Physiol Behav 10:657-61, Apr 73

Alterations in short-term retention, conditioned avoidance response acquisition and motivation following aluminum induced neurofibrillary degeneration. Crapper DR, et al.
Physiol Behav 10:925-33, May 73

Prandial drinking following septal lesions in rats. Dickinson A. **Physiol Behav** 10:335-8, Feb 73

Hypothalamic metallic deposition and the production of experimental obesity. Dubuc PU, et al.
Physiol Behav 10:677-81, Apr 73

Ventral midbrain involvement in copulatory behavior of the male rat. Eibergen RD, et al.
Physiol Behav 10:435-41, Mar 73

Hypothalamic obesity following knife cuts that minimize arterial damage. Gold RM.
Physiol Behav 10:403-6, Feb 73

Interaction of hypothalamic structures in the mediation of male sexual behavior. Hendricks SE, et al. **Physiol Behav** 10:711-6, Apr 73

Effects of cortical spreading depression on behaviors elicited by hypothalamic stimulation in rats. Huston JP, et al. **Physiol Behav** 10:775-80, Apr 73

Rewarding and aversive brain stimulation opposite effects on medial thalamic units. Keene JJ, et al.
Physiol Behav 10:283-7, Feb 73

Elimination of learned behaviors after transection of fibers crossing the lateral border of the hypothalamus. Kent EW, et al.
Physiol Behav 10:953-63, May 73

Sex differences in salt taste: the effect of testosterone. Křeček J. **Physiol Behav** 10:683-8, Apr 73

LHA self-stimulation effects on EEG and brain temperature in white rats. Latash LP, et al.
Physiol Behav 10:651-5, Apr 73

Palatability and caloric density as determinants of food intake in hyperphagic and normal rats. Levison MJ, et al. **Physiol Behav** 10:455-62, Mar 73

Electrical brain stimulation as a Pavlovian conditioned inhibitor. Moore JW, et al.
Physiol Behav 10:581-7, Mar 73

Sexual behaviour of White Leghorn cocks bearing basal hypothalamic lesions in various locations. Perek M, et al. **Physiol Behav** 10:479-84, Mar 73

Stability of intracranial self-stimulation following hypophysectomy. Phillips AG, et al.
Physiol Behav 10:351-3, Feb 73

The action of adrenergic anorexigenic substances on rats recovered from lateral hypothalamic lesions. Russek M, et al. **Physiol Behav** 10:329-33, Feb 73

Hyperphagia induced by intrahypothalamic implants of mercury thioglucose. Sandrew BB, et al.
Physiol Behav 10:1061-6, Jun 73

Differential effects of hypothalamic transections on the wood gnawing behavior of rats. Sclafani A, et al.
Physiol Behav 10:451-4, Mar 73

Path neuron system of medial forebrain bundle as a possible substrate for hypothalamic self-stimulation. Szabó I. **Physiol Behav** 10:315-28, Feb 73

Dissociation of the analgesic and rewarding effects of brain stimulation in the rat. Yunger LM, et al.
Physiol Behav 10:909-13, May 73

Effect of electrolytic lesions in various regions of the basal hypothalamus in White Leghorn cockerels upon food intake, obesity, blood plasma triglycerides and proteins. Snapir N, et al. **Poult Sci** 52:629-36, Mar 73

The effects of drugs which modify catecholamine synthesis on serum prolactin in rats with median eminence lesions. Donoso AO, et al.
Proc Soc Exp Biol Med 143:360-3, Jun 73

Posterior hypothalamic effect on gastrointestinal blood flow in the conscious cat. Gilsdorf RB, et al.
Proc Soc Exp Biol Med 143:329-34, Jun 73

The autonomic nervous system. Hall JL, et al.
Prog Neurol Psychiatry 27:149-62, 1972 (143 ref.)

Regional physiology of the nervous system. Read WO.
Prog Neurol Psychiatry 27:35-49, 1972 (154 ref.)

EEG patterns of short-term memory in cats during approach-avoidance successive differentiation. Psatta DM. **Rev Roum Neurol** 9:249-63, 1972

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 **(Bul)**

[Pathophysiological analysis of the separate factors in insipid water balance] Ruzhich AZh.
Vutr Boles 12:28-41, 1973 (Eng. Abstr.) **(Bul)**

[New findings on hypothalamic hormones] Presl J.
Cesk Gynekol 38:373-4, Jun 73 **(Cze)**

[Role of the limbic system in physiological determinism of emotional and social reactivity] Karli P.
Actual Pharmacol (Paris) 25:61-90, 1972 (126 ref.) **(Fre)**

[Unit activity at the level of the arcuate nucleus of the guinea pig hypothalamus] Carette B.
C R Soc Biol (Paris) 166:1323-7, 1972 **(Fre)**

[Combined lesions of ventro-medial hypothalamus and dorso-medial thalamus: effects on interspecific social behavior, emotional reactivity and feeding behavior in the rat] Eclancher F, et al.
C R Soc Biol (Paris) 166:439-44, 9 Nov 72 **(Fre)**

[Unit indentification of the guinea pig supraoptic nucleus by stimulation of the median eminence] Poulain P. **C R Soc Biol (Paris)** 166:1328-31, 1972 **(Fre)**

[Influence of self stimulation behavior on the escape reaction in rats: factor analysis] Beyra M.
J Physiol (Paris) 65:Suppl 3:353A, 1972 **(Fre)**

[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al.
J Physiol (Paris) 65:Suppl 3:393A, 1972 **(Fre)**

NEUROENDOCRINOLOGY

[Exploration of the gonadotropic competence of the hypothalamus by recording optic evoked potentials in the quail] Oliver J, et al.
J Physiol (Paris) 65:Suppl 3:463A, 1972 (Fre)

[Effects of central gray matter lesions of the mesencephalon on switch-off and self stimulation responses in the hypothalamus] Schmitt P.
J Physiol (Paris) 65:Suppl 3:501A, 1972 (Fre)

[Hypertension induced by progressive electric stimulation of the hypothalamus in the conscious rat] Wauquier A, et al.
J Physiol (Paris) 65:Suppl 3:522A, 1972 (Fre)

[Effect of lesions of the ventral tegmentum mesencephali on the rat's mouse-killing behavior] Chaurand JP, et al.
Physiol Behav 10:507-15, Mar 73 (Eng. Abstr.) (Fre)

[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

[Physiological principles of lactation] Hofecker G.
Wien Tieraerztl Monatsschr 60:138-42, Apr 73 (Eng. Abstr.) (Ger)

[Intracerebral temperature model--set point--in thermostabile animals] Narębski J.
Acta Physiol Pol [Suppl] 24:77-89, 1973 (Pol)

[Role of individual areas of the hypothalamus in regulating the gonadotropin function of the hypophysis in male rats] Babichev VN.
Probl Endokrinol (Mosk) 19:54-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Age associated factor in the risk of tumor development] Dil'man VM.
Vopr Onkol 19:101-11, May 73 (Rus)

[Possible participation of N-cholinoreactive structures in the cat brain in the elaboration of the rage reaction] Burov IuV, et al.
Zh Vyssh Nerv Deiat 22:1311-3, Nov-Dec 72 (Rus)

[Neurochemical aspects of the formation of electrographic and behavioral reactions] Il'iuchenok RIu, et al.
Zh Vyssh Nerv Deiat 22:1133-41, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Characteristics of activity of single neurons of the visual cortex under conditions of marked alimentary motivation] Khaiutin SN.
Zh Vyssh Nerv Deiat 22:1248-59, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Effect of direct electrical and chemical stimulation on the excitability of the hypothalamic nuclei and self-stimulation reaction in dogs] Krauz VA, et al.
Zh Vyssh Nerv Deiat 22:1226-33, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Regulation of somatotropin secretion: attempted unitary interpretation] Vigneri R, et al.
Acta Diabetol Lat 10:91-106, Jan-Feb 73 (Eng. Abstr.) (Mul)

PHYSIOPATHOLOGY

A case of adrenocortical hyperfunction normalized during the second and third trimesters of three pregnancies. Jorgensen PI, et al.
Acta Endocrinol (Kbh) 73:105-16, May 73

Post-traumatic hypothalamic obesity--an autopsy case. Miyasaki K, et al. **Acta Pathol Jap 22:779-802, Nov 72**

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. **Adv Exp Med Biol 30:429-40, 1972 (49 ref.)**

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972

Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci 265:315-9, Apr 73**

Effect of hypoxia on hypothalamic mechanisms. Koob GF, et al. **Am J Physiol 224:1403-8, Jun 73**

Action of Hr-18 ascites and of thiamin-treated ascites on the supraoptical and paraventricular nuclei of white rats. Miscalencu D, et al. **Anat Anz 133:90-6, 1973**

Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats. Hinman DJ, et al.
Horm Metab Res 5:48-50, Jan 73

Thromboembolism and brain tumors. Brisman R, et al.
J Neurosurg 38:337-8, Mar 73

The empty-sella syndrome. Faglia G, et al.
Lancet 2:149, 21 Jul 73

Hypothermia and Wernicke's encephalopathy. Philip G, et al. **Lancet 2:122-4, 21 Jul 73**

[Effect of cholinesterase inhibitors in hysteric stupor] Ikonomoff SI.
Munch Med Wochenschr 115:701-3, 20 Apr 73 (Eng. Abstr.) (Ger)

[Hypothalamic lesions and its functions in 2 autopsy cases] Miyasaki K, et al.
Folia Endocrinol Jap 49:681-90, 20 Apr 73 (Eng. Abstr.) (Jap)

[Regulating mechanisms for connective tissue development in experimental wounds] Arend IuE.
Arkh Anat Gistol Embriol 63:26-33, Nov 72 (Eng. Abstr.) (Rus)

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Hypopituitarism after extracranial irradiation: evidence for hypothalamic origin. Larkins RG, et al.
Br Med J 1:152-3, 20 Jan 73

SECRETION

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)

Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue. Johansson KN, et al.
Biochem Biophys Res Commun 52:967-73, 8 Jun 73

Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. **Experientia 29:718-9, 15 Jun 73**

ACTH inhibition of dehydration-induced changes in the hypothalamic neurosecretory system of the musk shrew, suncus murinus L. Kulshreshtha A, et al.
Indian J Med Res 60:1032-7, Jul 72

Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. Feldman S, et al.
J Neural Transm 34:1-9, 1973

Release of vasopressin without oxytocin by nicotine injected into the cerebral ventricles of anaesthetized cats. Bisset GW, et al.
J Physiol (Lond) 231:36P-37P, May 73

Differential release of acetylcholine from the hypothalamus and mesencephalon of the monkey during regulation. Myers RD, et al.
J Physiol (Lond) 230:273-93, Apr 73

Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)

[The hypothalamus and hormones--the mechanism of secretion and control] Ito S.
Jap J Nurs Art 19:9-17, May 73 (Jap)

SURGERY

Stereotaxic-hypothalamotomy. Balasubramaniam V, et al. **Confin Neurol 35:138-43, 1973**

Stereotactic neurosurgery for aggressive behaviour.
Med J Aust 1:779-80, 21 Apr 73

The second wave. Breggin PR.
Ment Hyg 57:11-3, Winter 73

[Combined lesions of ventro-medial hypothalamus and dorso-medial thalamus: effects on interspecific social behavior, emotional reactivity and feeding behavior in the rat] Eclancher F, et al.
C R Soc Biol (Paris) 166:439-44, 9 Nov 72 (Fre)

[Experimental induction of obesity in animals] Voss C, et al.
Nahrung 16:551-8, 1972 (37 ref.) (Eng. Abstr.) (Ger)

NEUROSECRETORY SYSTEMS

[Peripheral factors in the action of hormones] (Charvát J), Pacovský V.
Cas Lek Cesk 112:617-9, 18 May 73 (Eng. Abstr.) (Cze)

[Neurosecretory cells and their localization during the vital cycle in the central nervous system of Crepidula fornicata (Phil.), hermaphrodite gastropod mollusca]

LIBRARY U. OF L. URBANA-CHAMPAIGN

Catania R.
C R Acad Sci [D] (Paris) 676:801-4, 29 Jan 73 (Fre)

ANALYSIS

Presumptive neurosecretion in Leucochloridiomorpha constantiae (Trematoda) and its possible role in governing maturation. Harris KR, et al.
Int J Parasitol 2:361-7, Sep 72

CYTOLOGY

Hypothalamic neurosecretory system of the teleost Puntius sophore (Ham.). Sathyanesan AG, et al.
Anat Anz 133:59-67, 1973

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73

Changes in the appearance of hypothalamo-neurohypophysial neurosecretory granules associated with their maturation. Cannata MA, et al. **J Endocrinol 57:531-8, Jun 73**

Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. Morris JF, et al.
J Endocrinol 57:517-29, Jun 73

Ultrastructural studies on the ontogenesis of the caudal neurosecretory system in the roach, Leuciscus rutilus. Wilén PE, et al.
Z Anat Entwicklungsgesch 139:207-16, 20 Mar 73

[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al.
Acta Med Okayama 26:89-97, Aug 72 (Ger)

DRUG EFFECTS

Responses of sympathetic chain-ganglia isolated in organo-typic culture to agents affecting adrenergic neurons: fluorescence histochemistry. Benitez HH, et al. **Exp Neurol 39:424-8, Jun 73**

[Bioelectric reactions of a giant secretory neuron (Aplysia depilans)] Boisson M, et al.
C R Acad Sci [D] (Paris) 276:1025-8, 5 Feb 73 (Fre)

[Changes in the protein blood level in female Musca domestica L. following lindane intoxication] Ramade F. **C R Acad Sci [D] (Paris) 276:985-8, 5 Feb 73 (Fre)**

[Periventricular glia cells and the neurosecretory system of a rat treated with quinine-lithium-salicylate combination] Srebro Z, et al.
Acta Med Okayama 26:89-97, Aug 72 (Ger)

EMBRYOLOGY

Ultrastructural studies on the ontogenesis of the caudal neurosecretory system in the roach, Leuciscus rutilus. Wilén PE, et al.
Z Anat Entwicklungsgesch 139:207-16, 20 Mar 73

GROWTH & DEVELOPMENT

Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Raisman G.
Brain Res 55:245-61, 15 Jun 73

[Neurosecretory cells and their localization during the vital cycle in the central nervous system of Crepidula fornicata (Phil.), hermaphrodite gastropod mollusca] Catania R.
C R Acad Sci [D] (Paris) 676:801-4, 29 Jan 73 (Fre)

PHYSIOLOGY

Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. Feldman S, et al.
J Neural Transm 34:1-9, 1973

[Bioelectric reactions of a giant secretory neuron (Aplysia depilans)] Boisson M, et al.
C R Acad Sci [D] (Paris) 276:1025-8, 5 Feb 73 (Fre)

PINEAL BODY

Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. **Experientia 29:718-9, 15 Jun 73**

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al.
J Neural Transm 34:11-22, 1973

Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. **Life Sci [II] 12:513-9, 8 Jun 73**

[Indications and results of cerebral ventriculography using the methylglucamine salt of iothalamic Dimer] Pertuiset B, et al.
Rev Neurol (Paris) 126:299-304, Apr 72 (Fre)

ANALYSIS

Demonstration and distribution of phenylethanolamine in brain and other tissues. Saavedra JM, et al.
Proc Natl Acad Sci USA 70:769-72, Mar 73

ANATOMY & HISTOLOGY

Parasympathetic innervation of the rabbit pineal gland. Romijn HJ. **Brain Res 55:431-6, 15 Jun 73**

The enzyme histochemistry of the pineal gland in rats. Tapp E, et al. **Histochem J 5:49-56, Jan 73**

CYTOLOGY

Parasympathetic innervation of the rabbit pineal gland. Romijn HJ. **Brain Res 55:431-6, 15 Jun 73**

The enzyme histochemistry of the pineal gland in rats. Tapp E, et al. **Histochem J 5:49-56, Jan 73**

The synaptic ribbons of the guinea-pig pineal gland under normal and experimental conditions. Vollrath L, et al.
Z Zellforsch Mikrosk Anat 139:417-29, 23 May 73

[Scanning electron microscopy study of pineal photoreceptor cells in the trout, Salmo gairdneri (Teleostei)] Hartwig HG, et al.
Z Zellforsch Mikrosk Anat 138:585-9, 1973 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al.
Life Sci [II] 11:1109-16, 22 Nov 72

Role of the beta adrenergic receptor in the elevation of adenosine cyclic 3',5'-monophosphate and induction of serotonin N-acetyltransferase in rat pineal glands. Deguchi T. **Mol Pharmacol 9:184-90, Mar 73**

[Pineal body of the genus Lacerta (reptile, lacertilian): effect of proteolytic enzymes on dense granulations (500-3400 A) of the rudimentary photoreceptors] Collin JP, et al.
C R Soc Biol (Paris) 166:370-4, 9 Nov 72 (Fre)

ENZYMOLOGY

Comparative effects of continual lighting and pinealectomy on the eyes, the Harderian glands and reproduction in pigmented and albino rats. Reiter RJ.
Comp Biochem Physiol [A] 44:503-9, 1 Feb 73

The enzyme histochemistry of the pineal gland in rats. Tapp E, et al. **Histochem J 5:49-56, Jan 73**

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al.
Life Sci [II] 11:1109-16, 22 Nov 72

Role of the beta adrenergic receptor in the elevation of adenosine cyclic 3',5'-monophosphate and induction of serotonin N-acetyltransferase in rat pineal glands. Deguchi T. **Mol Pharmacol 9:184-90, Mar 73**

Pineal protein kinase: effect of enzymic phosphorylation on actinomycin D binding by, and template activity of, chromatin. Fontana JA, et al.
Proc Natl Acad Sci USA 70:755-8, Mar 73

GROWTH & DEVELOPMENT

Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Hoffmann JC. **Biol Reprod 8:473-80, May 73**

INNERVATION

6,7-Dihydroxytetrahydroisoquinoline: electron microscopic evidence for uptake into the amine-binding vesicles in sympathetic nerves of rat iris and pineal gland. Tennyson VM, et al.
Brain Res 51:161-9, 15 Mar 73

METABOLISM

Incorporation of 32Pi orthophosphate into phospholipids of calf pineal slices in the presence and absence of neurotransmitters. Basinska J, et al. **Endocrinology** 92:1588-95, Jun 73

Phosphatidylinositol metabolism in cells receiving extracellular stimulation. Lapetina EG, et al. **FEBS Lett** 31:1-10, 1 Apr 73 (94 ref.)

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al. **Life Sci** [II] 11:1109-16, 22 Nov 72

Role of the beta adrenergic receptor in the elevation of adenosine cyclic 3',5'-monophosphate and induction of serotonin N-acetyltransferase in rat pineal glands. Deguchi T. **Mol Pharmacol** 9:184-90, Mar 73

PATHOLOGY

[Malformation of Galen's vein with late manifestation; anatomo-clinical study] Castaigne P, et al. **Rev Neurol (Paris)** 126:304-12, Apr 72 (Fre)

PHYSIOLOGY

Photoreception in the photosexual response of quail. I. Site of photoreceptor. Oishi T, et al. **Am J Physiol** 225:155-8, Jul 73

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol** 35:305-28, 1973 (108 ref.)

Identification and quantitation of a new indolealkylamine in rat hypothalamus. Green AR, et al. **Brain Res** 51:371-4, 15 Mar 73

Comparative effects of continual lighting and pinealectomy on the eyes, the Harderian glands and reproduction in pigmented and albino rats. Reiter RJ. **Comp Biochem Physiol** [A] 44:503-9, 1 Feb 73

Minimal O 2 consumption as an index of thyroid status: standardization of method. Denckla WD. **Endocrinology** 93:61-73, Jul 73

Age dependent changes in the susceptibility of parathyroidectomized, pinealectomized rats to seizures. Pomerantz G, et al. **Exp Neurol** 40:254-7, Jul 73

The stimulatory effects of several concentrations of 5-methoxytryptophol on testicular growth in the white leghorn (Gallus domesticus L.). Balemans MG. **J Neural Transm** 34:49-60, 1973

Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse. Pavel S, et al. **Neuroendocrinology** 11:370-4, 1973

Effect of serotonin on ovulation induced by pinealectomy in anovulatory frontal-deafferented rats. Tima L, et al. **Neuroendocrinology** 12:149-52, 1973

The synergistic effect of reduced visual input on ketamine action: the possible role of the pineal gland. Winters WD, et al. **Neuropharmacology** 12:407-16, May 73

Effect of pinealectomy or septal lesions on intake of unpalatable fluids in rats given sodium deplete or replete diets. Donovick PJ, et al. **Physiol Behav** 10:1095-9, Jun 73

Regional physiology of the nervous system. Read WO. **Prog Neurol Psychiatry** 27:35-49, 1972 (154 ref.)

LIBRARY U. OF I., URBANA-CHAMPAIGN

II. Disorders of the Amygdaloid Body

PINEALOMA

Histopathology of brain tumours in the African in Kenya. Kasili EG, et al. Afr J Med Sci 4:99-106, Apr 73

COMPLICATIONS

Thromboembolism and brain tumors. Brisman R, et al. J Neurosurg 38:337-8, Mar 73

DIAGNOSIS

[Vascular syndromes of the mesencephalon] Gospavić J, et al. Srp Arh Celok Lek 100:1053-63, Sep 72 (Eng. Abstr.) (Ser)

OCCURRENCE

Intracranial tumour pattern in Ibadan, Nigeria. Odeku EL, et al. Afr J Med Sci 4:137-41, Apr 73

The relative frequency of brain tumours in Egypt. Sorour O, et al. Afr J Med Sci 4:178-86, Apr 73

PATHOLOGY

The ultrastructure of pinealomas. Tabuchi K, et al. Acta Neuropathol (Berl) 24:117-27, 18 Apr 73

PHYSIOPATHOLOGY

Thromboembolism and brain tumors. Brisman R, et al. J Neurosurg 38:337-8, Mar 73

RADIOGRAPHY

Radiological features of the meningoradicular metastases of tumors of the central nervous system. Report of two cases. Pecker J, et al. J Neurosurg 38:627-30, May 73

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING FACTOR

[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al.
Cas Lek Cesk 112:741-5, 1973 (Eng. Abstr.) (Cze)
[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al.
Rev Prat 23:865-76, 21 Feb 73 (Fre)
[Ultrastructural observations on the functional morphology of the tubero-hypophyseal system of the rat] Wittkowski W.
Z Zellforsch Mikrosk Anat 139:101-48, 11 May 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al.
Neuroendocrinology 12:98-109, 1973

ANALYSIS

[Participation of vasopressin in the development of compensatory adrenal hypertrophy] Drzhevetskaia IA, et al.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73
Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

METABOLISM

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73

PHARMACODYNAMICS

Corticotrophin-releasing factor activity in hypothalamic extracts of man. Schilling RM, et al.
Acta Endocrinol (Kbh) 73:1-10, May 73
CRF-stimulated biosynthesis of ACTH in a cell-free system from rat anterior pituitaries. Ishikawa H, et al.
Biochem Biophys Res Commun 52:884-9, 8 Jun 73
Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al.
Neuroendocrinology 12:98-109, 1973

PHYSIOLOGY

Neurotransmitter regulation of ACTH release. Krieger DT. **Mt Sinai J Med NY 40:302-14, May-Jun 73**
Time-course of response to hypothalamic extract and multiple use of lesioned rats for CRF assay. Lymangrover JR, et al.
Neuroendocrinology 12:98-109, 1973
[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr.
Vutr Boles 12:7-15, 1973 (Bul)

SECRETION

[Pathology of Cushing's syndrome] Saeger W, et al.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

MELATONIN

Inhibition effects on serum and pituitary LH by a melatonin-free extract of bovine pineal glands. Orts RJ, et al. **Life Sci [II] 12:513-9, 8 Jun 73**

ADMINISTRATION & DOSAGE

Fate of intracisternally injected melatonin in the rat brain. Cardinali DP, et al.
Neuroendocrinology 12:30-40, 1973

METABOLISM

The effect of taurine on the pigmentation of the bullfrog tadpole. Baskin SI, et al.
Comp Biochem Physiol [A] 44:297-302, 1 Feb 73
Fate of intracisternally injected melatonin in the rat brain. Cardinali DP, et al.
Neuroendocrinology 12:30-40, 1973

PHARMACODYNAMICS

Comparative physiology: pineal gland. Reiter RJ. **Annu Rev Physiol 35:305-28, 1973 (108 ref.)**
Effects of serotonin precursors and melatonin on serum prolactin release in rats. Lu KH, et al. **Endocrinology 93:152-5, Jul 73**
Effects of pharmacological agents on the in vivo release of melanophore-stimulating hormone in the dogfish, Scyliorhinus canicula. Wilson JF, et al.
Gen Comp Endocrinol 20:556-66, Jun 73
Blockade of serotonin induced GH secretion in rats by melatonin and cyproheptadine. Smythe GA, et al.
Horm Metab Res 5:227, May 73
Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al.
J Neural Transm 34:11-22, 1973
Fate of intracisternally injected melatonin in the rat brain. Cardinali DP, et al.
Neuroendocrinology 12:30-40, 1973
General activity in intact and hypophysectomized rats after administration of melanocyte-stimulating hormone (MSH), melatonin, and PRO-LEU-GLY-NH 2 . Kastin AJ, et al. **Physiol Behav 10:399-401, Feb 73**

PITUITARY HORMONE RELEASING FACTORS

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)
Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts. LaBella F, et al.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73
Preparation and properties of 125-I-LHRH. Miyachi Y, et al. **Endocrinology 92:1725-30, Jun 73**
Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al.
Endocrinology 93:96-106, Jul 73
Defective growth-hormone secretion after maize diets. Merimee TJ, et al. **Lancet 2:120-2, 21 Jul 73**
Proposed tertiary structure for the hypothalamic thyrotropin-releasing factor. Blagdon DE, et al.
Proc Natl Acad Sci USA 70:1166-8, Apr 73
The hormones of the hypothalamus. Guillemin R, et al. **Sci Am 227:24-33, Nov 72**
[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al.
Cas Lek Cesk 112:741-5, 1973 (Eng. Abstr.) (Cze)
[Effect of synthetic LH-RH on the release of LH and FSH in children and adolescents] Illig R, et al.
Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Eng. Abstr.) (Ger)
[Physiologic menstruation cycle. Opinion of Prof.

LIBRARY U. OF I., URBANA-CHAMPAIGN

Mainaldo Maneschi] Salvati A.
Minerva Med 64:529-31, 3 Mar 73 **(Ita)**

ADMINISTRATION & DOSAGE

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73

Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al.
Australas Radiol 22:1718-21, Oct 72

Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al.
Biochem Biophys Res Commun 52:64-73, 1 May 73

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al.
Biochim Biophys Acta 297:540-8, 28 Feb 73

Release of LH by LRF injected into the CSF: a transport role for the median eminence. Ondo JG, et al. **Endocrinology** 93:231-7, Jul 73

Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al.
Fertil Steril 24:485-6, Jun 73

Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Keller PJ, et al.
Horm Metab Res 5:64-5, Jan 73

Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al.
J Physiol (Lond) 231:32P-34P, May 73

Intranasal L.H.-releasing hormone. London DR, et al.
Lancet 1:1450, 23 Jun 73

Intranasal application of luteinising-hormone releasing hormone. Solbach HG, et al. **Lancet** 1:1259, 2 Jun 73

Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973

Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. **Neuroendocrinology** 10:261-72, 1972

Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73

ANALYSIS

Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al.
Biochim Biophys Acta 297:540-8, 28 Feb 73

Structure-activity studies of MSH-release-inhibiting hormone. Celis ME, et al. **FEBS Lett** 27:327-30, 1 Nov 72

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 **(Fre)**

ANTAGONISTS & INHIBITORS

Structure-activity studies of MSH-release-inhibiting hormone. Celis ME, et al. **FEBS Lett** 27:327-30, 1 Nov 72

Nervous control of growth hormone secretion. Müller EE. **Neuroendocrinology** 11:338-69, 1973 (186 ref.)

General activity in intact and hypophysectomized rats after administration of melanocyte-stimulating hormone (MSH), melatonin, and PRO-LEU-GLY-NH 2 . Kastin AJ, et al. **Physiol Behav** 10:399-401, Feb 73

BIOSYNTHESIS

Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism. Johansson KN, et al.
Biochem Biophys Res Commun 53:502-7, 17 Jul 73

Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5. Yanaihara N, et al.
Biochem Biophys Res Commun 52:64-73, 1 May 73

Enzymatic synthesis of prolactin-releasing factor (PRF) by rat hypothalamic incubates and by extracts of rat hypothalamic tissue: evidence for "PRF synthetase". Mitnick MA, et al.
Proc Soc Exp Biol Med 143:418-21, Jun 73

BLOOD

Failure to demonstrate urinary excretion of luteinizing hormone-releasing factor activity in the rat following intravenous injection of porcine hypothalamic extract. Gordon JH, et al.
Endocrinology 93:259-61, Jul 73

Quantitation of endogenous and exogenous gonadotropin releasing hormone by radioimmunoassay. Keye WR Jr, et al.
J Clin Endocrinol Metab 36:1263-7, Jun 73

Metabolism of 125 I-luteinizing hormone-releasing hormone. Miyachi Y, et al.
J Clin Endocrinol Metab 37:63-7, Jul 73

Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. **Neuroendocrinology** 10:261-72, 1972

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 **(Fre)**

CHEMICAL SYNTHESIS

Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al.
Endocrinology 93:96-106, Jul 73

Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al.
J Med Chem 16:369-73, Apr 73

Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al.
J Med Chem 16:545-9, May 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73

Intranasal application of luteinising-hormone releasing hormone. Solbach HG, et al. **Lancet** 1:1259, 2 Jun 73

The hormones of the hypothalamus. Guillemin R, et al.
Sci Am 227:24-33, Nov 72

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 **(Fre)**

ISOLATION & PURIFICATION

Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism. Johansson KN, et al.
Biochem Biophys Res Commun 53:502-7, 17 Jul 73

The hormones of the hypothalamus. Guillemin R, et al.
Sci Am 227:24-33, Nov 72

METABOLISM

Metabolism of 125 I-luteinizing hormone-releasing hormone. Miyachi Y, et al.
J Clin Endocrinol Metab 37:63-7, Jul 73

Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. Moszkowska A, et al.
J Neural Transm 34:11-22, 1973

Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. **Neuroendocrinology** 10:261-72, 1972

[Effect of oral administration of L-dopa on plasma levels of TSH, ACTH and GH in normal subjects]

Simonin R, et al.
Sem Hop Paris 49:617-21, 20 Feb 73 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al.
Am J Obstet Gynecol 116:377-87, 1 Jun 73
Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release of luteinizing hormone. Sandow J, et al.
Australas Radiol 22:1718-21, Oct 72
Obtention of antisera against a hypothalamic decapeptide (luteinizing hormone-follicle stimulating hormone releasing hormone) which stimulated the release of pituitary gonadotropins and development of its radioimmunoassay. Kerdelhué B, et al.
Biochim Biophys Acta 297:540-8, 28 Feb 73
Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Libertun C, et al.
Endocrinology 92:1714-24, Jun 73
Preparation and properties of 125-I-LHRH. Miyachi Y, et al. Endocrinology 92:1725-30, Jun 73
Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat. Negro-Vilar A, et al. Endocrinology 92:1680-4, Jun 73
Effect of synthetic LRF infused into a hypophysial portal vessel on gonadotropin release. Ondo JG, et al.
Endocrinology 93:205-9, Jul 73
Release of LH by LRF injected into the CSF: a transport role for the median eminence. Ondo JG, et al. Endocrinology 93:231-7, Jul 73
Chemical and biological properties of gonadotropin releasing hormone synthesized by the solid-phase method. White WF, et al.
Endocrinology 93:96-106, Jul 73
In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages. Spona J, et al.
FEBS Lett 32:52-4, 15 May 73
In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). Spona J, et al. FEBS Lett 32:49-51, 15 May 73
Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly. Rubin AL, et al.
J Clin Endocrinol Metab 37:160-2, Jul 73
Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al.
J Med Chem 16:369-73, Apr 73
Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. Rivier J, et al.
J Med Chem 16:545-9, May 73
Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73
Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. Aiyer MS, et al.
J Physiol (Lond) 231:32P-34P, May 73
Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73
Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)
Changes in serum luteinizing hormone folowing intraventricular and intravenous injections of luteinizing hormone-releasing hormone in the rat. Weiner RI, et al. Neuroendocrinology 10:261-72, 1972
Pituitary response to synthetic LH-RH in Stein-Leventhal syndrome and functional amenorrhea. Zárate A, et al.
Obstet Gynecol 41:803-8, Jun 73
Induction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al.
Science 181:177-9, 13 Jul 73
[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al.
C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)

PHYSIOLOGY

Hypothalamic control of adenohypophysial secretions.
Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
Cyclical wheel-running behavior in pregnant rats.
Chiszar D, et al. **Behav Biol 8:399-405, Mar 73**
Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)
Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73
Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73
Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)
Neural regulation of growth hormone secretion. Martin JB. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)
Nervous control of growth hormone secretion. Müller EE. Neuroendocrinology 11:338-69, 1973 (186 ref.)
The hormones of the hypothalamus. Guillemin R, et al.
Sci Am 227:24-33, Nov 72
[Neuroendocrine relations] Schreiber V.
Cas Lek Cesk 112:609-11, 18 May 73 (Eng. Abstr.) (Cze)
[New findings on hypothalamic hormones] Presl J.
Cesk Gynekol 38:373-4, Jun 73 (Cze)
[LH releasing factor] Friedrich F.
Hippokrates 44:115-6, Mar 73 (Ger)

SECRETION

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue.
Johansson KN, et al.
Biochem Biophys Res Commun 52:967-73, 8 Jun 73
Ephiphyseal-hypothalamic interaction. An in vitro study with some sheep pineal fractions. Citharel A, et al. Experientia 29:718-9, 15 Jun 73
[The hypothalamus and hormones--the mechanism of secretion and control] Ito S.
Jap J Nurs Art 19:9-17, May 73 (Jap)

THERAPEUTIC USE

Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Keller PJ.
Am J Obstet Gynecol 116:698-705, 1 Jul 73
Therapeutic effect of synthetic luteinizing hormone-releasing hormone (LH-RH) in male infertility due to idiopathic azoospermia and oligospermia. Zárate A, et al.
Fertil Steril 24:485-6, Jun 73
Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Keller PJ, et al.
Horm Metab Res 5:64-5, Jan 73
Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor. Thompson IE, et al.
J Clin Endocrinol Metab 37:152-5, Jul 73
Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states.
Schneider HP, et al.
Neuroendocrinology 11:328-37, 1973

URINE

Failure to demonstrate urinary excretion of luteinizing hormone-releasing factor activity in the rat following intravenous injection of porcine hypothalamic extract. Gordon JH, et al.
Endocrinology 93:259-61, Jul 73

THYROTROPIN RELEASING FACTOR

Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al.
Endocrinology 92:1731-5, Jun 73
Carbon-13 nuclear magnetic resonance studies on thyrotropin-releasing factor and related peptides. Deslauriers R, et al. FEBS Lett 31:59-66, 1 Apr 73
Preparation of 125I-labelled thyrotrophin-releasing hormone. Virkkunen P, et al.
Horm Metab Res 5:58, Jan 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

NEUROENDOCRINOLOGY

Evolving concepts of thyroid function. Bartuska DG, et al. **Med Clin North Am** 57:1117-33, Jul 73 (67 ref.)
Increased TSH secretion in rats resulting from adiphenine administration. Mornex R, et al. **Metabolism** 22:859-65, Jul 73
Cellular responses to cyclic AMP. Bitensky MW, et al. **Prog Biophys Mol Biol** 26:409-61, 1973 (359 ref.)
Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report. Del Pozo E, et al. **Schweiz Med Wochenschr** 103:847-8, 9 Jun 73
The hormones of the hypothalamus. Guillemin R, et al. **Sci Am** 227:24-33, Nov 72
[Hypothalamic hormones and regulation of endocrine functions] Hainer V, et al. **Cas Lek Cesk** 112:741-5, 1973 (Eng. Abstr.) (Cze)
[Endocrinology in 1973] Bricaire H, et al. **Rev Prat** 23:825-63, 21 Feb 73 (Fre)
[Hypothalamic regulation of anterior pituitary secretion] Mornex R, et al. **Rev Prat** 23:865-76, 21 Feb 73 (Fre)

ADMINISTRATION & DOSAGE

THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al. **Arch Gen Psychiatry** 29:28-32, Jul 73
THR (lopremone): psychobiological responses of normal women. I. Subjective experiences. Wilson IC, et al. **Arch Gen Psychiatry** 29:15-21, Jul 73
Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing hormone (TRH). Breneman WR, et al. **Biochem Biophys Res Commun** 52:189-94, 1 May 73
Hyperthyroidism induced by thyrotropin-releasing hormone in mice. Chopra IJ, et al. **Endocrinology** 92:1731-5, Jun 73
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al. **Ann Endocrinol (Paris)** 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)

ANALYSIS

Conformational analysis of thyrotropin releasing factor. Burgess AW, et al. **Proc Natl Acad Sci USA** 70:1456-60, May 73 (31 ref.)
[Conformational analysis of the hypothalamus hormone TRF with Raman spectroscopy] Bellocq AM, et al. **C R Acad Sci [D] (Paris)** 276:423-6, 15 Jan 73 (Fre)

ANTAGONISTS & INHIBITORS

L-dopa suppression of TRH-stimulated prolactin release in man. Noel GL, et al. **J Clin Endocrinol Metab** 36:1255-8, Jun 73

BLOOD

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)
Disappearance of radioactivity from plasma following intravenous administration of tritiated thyrotrophin-releasing hormone (Ro 8-6270) to man. Dixon R, et al. **Experientia** 29:483-4, 15 Apr 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. **J Clin Invest** 22:1616-9, Jul 73
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al. **Ann Endocrinol (Paris)** 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al. **Biomedicine** 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
[Pituitary response to TRH (thyrotropin releasing hormone) in normal persons. Use of TRH test in thyroid diseases] Lemarchand-Béraud T, et al. **Schweiz Med Wochenschr** 103:831-40, 9 Jun 73 (Eng. Abstr.) (Fre)

CHEMICAL SYNTHESIS

The hormones of the hypothalamus. Guillemin R, et al. **Sci Am** 227:24-33, Nov 72

DIAGNOSTIC USE

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr. **Adv Exp Med Biol** 30:441-6, 1972
Thyroid function tests. Sterling K. **Adv Intern Med** 18:345-62, 1972 (106 ref.)
Endocrine studies in anencephaly. Hayek A, et al. **J Clin Invest** 22:1636-41, Jul 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet** 1:854-7, 21 Apr 73
Evidence for hypothyroidism in endemic cretinism in Brazil. Shenkman L, et al. **Lancet** 2:67-70, 14 Jul 73
Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Kersen F van, et al. **Neth J Med** 16:111-5, 1973
Use of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al. **Proc R Soc Med** 66:187, Feb 73
[Study of hypophyso-thyroid function using synthetic TRH in thyroid pathology] Codaccioni JL, et al. **Ann Endocrinol (Paris)** 33:317-30, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Effect of intravenous injection of synthetic TRH in hypophyseal pathology] Jaquet P, et al. **Ann Endocrinol (Paris)** 33:331-9, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Imai Y, et al. **Folia Endocrinol Jap** 49:698-706, 20 Apr 73 (Eng. Abstr.) (Jap)

ISOLATION & PURIFICATION

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)
The hormones of the hypothalamus. Guillemin R, et al. **Sci Am** 227:24-33, Nov 72

METABOLISM

Thyrotropin releasing hormone: secretion and actions. Wilber JF. **Annu Rev Med** 24:353-64, 1973 (98 ref.)
Characteristics of the pituitary binding sites for thyrotropin releasing factor. Grant G, et al. **Endocrinology** 92:1629-33, Jun 73
Disappearance of radioactivity from plasma following intravenous administration of tritiated thyrotrophin-releasing hormone (Ro 8-6270) to man. Dixon R, et al. **Experientia** 29:483-4, 15 Apr 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. **J Clin Invest** 22:1616-9, Jul 73
[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al. **Klin Wochenschr** 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al. **Adv Intern Med** 18:303-23, 1972 (38 ref.)
Hypothalamic hypothyroidism: diminished thyroidal response to thyrotropin-releasing hormone. Mitsuma T, et al. **Am J Med Sci** 265:315-9, Apr 73
Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Tyson JE, et al. **Am J Obstet Gynecol** 116:377-87, 1 Jun 73
THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses. Prange AJ Jr, et al. **Arch Gen Psychiatry** 29:28-32, Jul 73
THR (lopremone): psychobiological responses of normal women. I. Subjective experiences. Wilson IC, et al. **Arch Gen Psychiatry** 29:15-21, Jul 73
Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing

hormone (TRH). Breneman WR, et al.
Biochem Biophys Res Commun 52:189-94, 1 May 73
RF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al.
Endocrinology 93:26-33, Jul 73
uman prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)
ailure of mammalian TRH to stimulate thyroid function in the lungfish. Gorbman A, et al.
Gen Comp Endocrinol 20:588-9, Jun 73
lasma growth hormone response to thyrotropin-releasing hormone in patients with active acromegaly. Faglia G, et al.
J Clin Endocrinol Metab 36:1259-62, Jun 73
rolactin response to thyrotropin releasing hormone in normal subjects. Jacobs LS, et al.
J Clin Endocrinol Metab 36:1069-73, Jun 73
hyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor. Averill RL, et al. J Endocrinol 57:539-48, Jun 73
se of thyrotrophin releasing hormone test in pituitary disease. Tunbridge WM, et al.
Proc R Soc Med 66:187, Feb 73
nduction of mating behavior in rats by luteinizing hormone-releasing factor. Moss RL, et al.
Science 181:177-9, 13 Jul 73
hyroidectomy cells and their response to thyrotrophin releasing hormone (TRH) in the rat. Shiino M, et al.
Z Zellforsch Mikrosk Anat 138:327-32, 17 Apr 73
ffects of synthetic TRH in normal subjects] Jaquet P, et al.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72 (Eng. Abstr.) (Fre)
imple juvenile goiter and blood thyrotropin (TSH) evels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)
lasmatic concentrations of prolactin and thyrostimulating hormone during ewe milking: comparative study with effects of TRF] Kann G, et al.
C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 (Fre)
tudies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)
ole of the hypothalamo-hypophyseal system in the egulation of the transcortin level in rat plasma] Rozen VB, et al.
Probl Endokrinol (Mosk) 19:58-63, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

ypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)
Thyrotropin releasing hormone: secretion and actions. Wilber JF. Annu Rev Med 24:353-64, 1973 (98 ref.)
Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)
Regulation of growth hormone and prolactin secretion in patients with acromegaly and-or excessive prolactin secretion. Cryer PE, et al.
Mt Sinai J Med NY 40:402-13, May-Jun 73
The hormones of the hypothalamus. Guillemin R, et al.
Sci Am 227:24-33, Nov 72
[Thyrotropin releasing hormone (TRH)] Gordon A.
Harefuah 84:408-9, 1 Apr 73 (Heb)

SECRETION

Hypothalamic hypothyroidism: its possible relationshp to endemic goiter. Pittman JA Jr.
Adv Exp Med Biol 30:441-6, 1972
Thyrotropin releasing hormone: secretion and actions. Wilber JF. Annu Rev Med 24:353-64, 1973 (98 ref.)
Antidepressive effects of electroconvulsive therapy and thyrotrophin-releasing hormone. Thorell JI, et al.
Lancet 819:43, 7 Jul 73

THERAPEUTIC USE

Thyrotrophin-releasing hormone in schizophrenia. Wilson IC, et al. Lancet 819:43-4, 7 Jul 73
[Hyperthyroidism associated with hypopituitarism during the development of a TSH secreting pituitary tumor] Mornex R, et al.
Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 (Eng. Abstr.) (Fre)

URINE

Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. J Clin Invest 22:1616-9, Jul 73
[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al.
Klin Wochenschr 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)

LIBRARY U. OF I., URBANA-CHAMPAIGN

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

Studies on the properties of 1,N 6 -ethenoadenine derivatives of various coenzymes. Lee CY, et al. **Arch Biochem Biophys** 157:83-90, Jul 73

Studies on phosphodiesterase from oxyntic cells of bullfrog gastric mucosa. I. Intracellular localization, partial purification, and properties. Ray TK, et al. **Arch Biochem Biophys** 155:24-31, Mar 73

Purification and properties of cyclic phosphodiesterase: 3'-nucleotidase, a periplasmic enzyme of Haemophilus influenzae. Rodden JL, et al. **Arch Biochem Biophys** 153:837-44, Dec 72

Effects of lipids on cyclic-nucleotide phosphodiesterases. Bublitz C. **Biochem Biophys Res Commun** 52:173-80, 1 May 73

Inability of detect cyclic AMP in vegetative or sporulating cells or dormant spores of Bacillus megaterium. Setlow P. **Biochem Biophys Res Commun** 52:365-72, 15 May 73

Rabbit red cell cyclic AMP-dependent protein kinase. I. Reversible subunit interaction. Tao M. **Biochem Biophys Res Commun** 47:361-4, 28 Apr 72

Isoproterenol and glucagon effects in perfused hearts from spontaneously hypertensive and normotensive rats. Largis EE, et al. **Biochem Pharmacol** 22:1735-44, 15 Jul 73

4'-Thioadenosine 3'5'-cyclic phosphate and derivatives. Chemical synthesis and hydrolysis by phosphodiesterase. Anisuzzaman AK, et al. **Biochemistry** 12:2041-5, 22 May 73

Studies with phosphodiesterase. 3. Two forms of the enzyme from human blood platelets. Amer MS, et al. **Biochim Biophys Acta** 309:149-56, 5 May 73

Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats. Hemington JG, et al. **Biochim Biophys Acta** 304:552-9, 28 Apr 73

Rat mammary gland nuclear RNA polymerases in late pregnancy and lactation. Mendelson IS, et al. **Biochim Biophys Acta** 299:576-87, 11 Apr 73

Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al. **Biochim Biophys Acta** 297:527-39, 28 Feb 73

Inhibition of cyclic 3',5'-nucleotide phosphodiesterase in bovine taste papillae by bitter taste stimuli. Kurihara K. **FEBS Lett** 27:279-81, 1 Nov 72

Effect of insulin on cerebral adenyl cyclase and phosphodiesterase. Hetenyi G Jr, et al. **Horm Metab Res** 5:139, Mar 73

Inhibition of hexosephosphate aminotransferase activity in vitro by tolbutamide. Malathy K, et al. **Indian J Biochem Biophys** 9:310-2, Dec 72

Relationship of adenosine 3',5'-monophosphate to growth and metabolism of Tetrahymena pyriformis. Voichick J, et al. **J Bacteriol** 115:68-72, Jul 73

Further studies of the interaction of cyclic adenosine 3':5'-monophosphate with endometrial protein kinase. Sanborn BM, et al. **J Biol Chem** 248:4713-5, 10 Jul 73

Glucagon stimulation of adenylate cyclase sulfhydryl reactivity. Evidence for hormone-induced conformational changes. Storm DR, et al. **J Biol Chem** 248:5208-10, 25 Jul 73

Adenosine 3',5'-monophosphate in amniotic fluid from normal pregnancy. Ling W, et al. **J Clin Endocrinol Metab** 37:56-62, Jul 73

Cyclic AMP phosphodiesterase activity in the midgut of Manduca sexta. Whitmore D Jr, et al. **J Insect Physiol** 19:349-54, Feb 73

Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers. Fried J, et al. **J Med Chem** 16:429-30, Apr 73

6-Substituted 5-chloro-1,3-dihydro-2H-imidazo(4,5-b)pyrazin-2-ones with hypotensive activity. Jones JH, et al. **J Med Chem** 16:537-42, May 73

Interaction between lambda or phi80 prophage induction and gal operon expression. Contesse G, et al. **J Mol Biol** 73:527-31, 5 Feb 73

Pineal protein kinase: effect of enzymic phosphorylation on actinomycin D binding by, and template activity of, chromatin. Fontana JA, et al. **Proc Natl Acad Sci USA** 70:755-8, Mar 73

Chemotaxis by the nematode Caenorhabditis elegans: identification of attractants and analysis of the response by use of mutants. Ward S. **Proc Natl Acad Sci USA** 70:817-21, Mar 73

Effect of age upon guanyl cyclase, adenyl cyclase, and cyclic nucleotide phosphodiesterases in rats. Williams RH, et al. **Proc Soc Exp Biol Med** 143:382-7, Jun 73

Cellular responses to cyclic AMP. Bitensky MW, et al. **Prog Biophys Mol Biol** 26:409-61, 1973 (359 ref.)

[Heterogeneity of glycogenosis type VI. Study of leukocyte phosphorylase activity in 2 families] Guibaud P, et al. **Arch Fr Pediatr** 29:1043-57, Dec 72 (Eng. Abstr.) **(Fre)**

[Membrane adenyl cyclase activity in adipose tissue of obese hyperglycemic Bar-Harbor mice] Laudat MH, et al. **C R Acad Sci [D] (Paris)** 276:407-9, 15 Jan 73 **(Fre)**

[Muscular blood flow during inhibition of 3', 5'-AMP-phosphodiesterase. Clinical and experimental studies using 3,7-dimethyl-1-(5-oxo-hexyl)-xanthine] Köhler M. **Arzneim Forsch** 23:566-70, Apr 73 (Eng. Abstr.) **(Ger)**

[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al. **Endokrynol Pol** 24:105-32, 1973 (136 ref.) **(Pol)**

[Advances in pulmonology. Theoretical bases for the use of bronchodilator agents] Droszcz W. **Pol Arch Med Wewn** 50:493-6, May 73 (12 ref.) **(Pol)**

ADMINISTRATION & DOSAGE

The effect of cyclic N-2-O-dibutyryl-adenosine-3',5'-monophosphate, adenosine triphosphate and butyrate on the body temperature of conscious cats. Varagić VM, et al. **Brain Res** 57:252-4, 16 Jul 73

Inhibition of rat liver acetyl coenzyme A carboxylase by N 6 ,O 2' -dibutyryl cyclic adenosine 3':5'-monophosphate in vitro. Allred JB, et al. **J Biol Chem** 248:4131-3, 10 Jun 73

Immunologic release of histamine and slow reacting substance of anaphylaxis from human lung. V. Effects of prostaglandins on release of histamine. Tauber AI, et al. **J Immunol** 111:27-32, Jul 73

Regulation of cyclic AMP levels and aggregation in human platelets by prostaglandin E . McDonald JW, et al. **J Lab Clin Med** 81:838-49, Jun 73

Effect of inosine on guinea-pig bronchial muscle. Bertelli A, et al. **J Pharm Pharmacol** 25:60-4, Jan 73

Action of intracerebroventricular dibutyryl cyclic AMP on amobarbital anaesthesia in rats. Cohn ML, et al. **Neuropharmacology** 12:401-5, May 73

CYCLIC NUCLEOTIDES

ANALYSIS

High-pressure anion exchange chromatography and enzymatic isotope displacement assays for cyclic AMP and cyclic GMP. Brooker G.
Adv Cyclic Nucleotide Res 2:111-29, 1972

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972

Firefly luminescence in the assay of cyclic AMP. Ebadi MS. **Adv Cyclic Nucleotide Res 2:89-109, 1972**

Protein binding assays for cyclic nucleotides. Gilman AG. **Adv Cyclic Nucleotide Res 2:9-24, 1972**

Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972

The luminescence assay of cyclic AMP. Johnson RA.
Adv Cyclic Nucleotide Res 2:81-7, 1972

Determination of relative levels of cyclic AMP in tissues or cells prelabeled with radioactive adenine. Kebabian JW, et al.
Adv Cyclic Nucleotide Res 2:131-7, 1972

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. **Adv Cyclic Nucleotide Res 2:41-50, 1972**

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972

The effect of aminophylline on pentagastrin-induced gastric secretion in the dog. Gabrys BF, et al.
Am J Dig Dis 18:563-6, Jul 73

Urinary cyclic AMP in periodic catatonia. Perry TL, et al. **Am J Psychiatry 130:927-9, Aug 73**

Inability of detect cyclic AMP in vegetative or sporulating cells or dormant spores of Bacillus megaterium. Setlow P.
Biochem Biophys Res Commun 52:365-72, 15 May 73

Possible role of cyclic AMP in gastric acid secretion in rat. Activation of carbonic anhydrase. Narumi S, et al.
Biochim Biophys Acta 311:90-7, 7 Jun 73

Basal and hormone-stimulated adenylate cyclase in liver plasma membranes: measurement by radioimmunoassay of cyclic AMP. Rosselin G, et al.
Biochim Biophys Acta 304:541-51, 28 Apr 73

Adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate: concentrations in Morris hepatomas of different growth rates. Thomas EW, et al. **Biochim Biophys Acta 297:564-7, 28 Feb 73**

The adenosine 3',5'-monophosphate content of brain tissue obtained by an ultra-rapid freezing technique. Nahorski SR, et al. **Brain Res 51:332-6, 15 Mar 73**

Importance of potassium in the regulation of aldosterone production. Boyd J, et al.
Circ Res 32:Suppl 1:39-45, 5 May 73

Relationship of epithelial membrane potentials to corneal potential. Klyce SD.
Exp Eye Res 15:567-75, 10 May 73

Further studies on the chromatographic behaviour of dinucleoside monophosphates. Barzilay I, et al.
J Chromatogr 79:139-46, 16 May 73

Adenosine 3',5'-monophosphate in amniotic fluid from normal pregnancy. Ling W, et al.
J Clin Endocrinol Metab 37:56-62, Jul 73

Detection of cyclic AMP in parotid saliva of normal individuals. Schaeffer LD, et al.
J Comp Neurol 52:629, May-Jun 73

Studies on the mechanism of lymphocyte-mediated cytolysis. IV. Specificity of the histamine receptor on effector T cells. Plaut M, et al.
J Immunol 111:389-94, Aug 73

Regulation of cyclic AMP levels and aggregation in human platelets by prostaglandin E . McDonald JW, et al. **J Lab Clin Med 81:838-49, Jun 73**

Cyclic AMP and phosphodiesterase in synaptic vesicles from mouse brain. Johnson GA, et al.
J Neurochem 20:1387-92, May 73

Suppression of growth of P-815 mastocytoma cells in vitro by drugs increasing cellular cyclic 3',5'-adenosine monophosphate. Keller R, et al.
Life Sci [II] 12:97-105, 8 Feb 73

Immunologic release of chemical mediators from human nasal polyps. Kaliner M, et al.
N Engl J Med 289:277-81, 9 Aug 73

Histamine and cyclic 3',5'-AMP in gastric acid secretion. Domschke W, et al.
Nature 243:454-5, 16 Feb 73

Patterns of development of adenyl cyclase activity and norepinephrine responsiveness in the rat. Kohrman AF. **Pediatr Res 7:575-81, Jun 73**

Effect of insulin on the growth pattern and adenylate cyclase activity of BHK fibroblasts. Jiménez de Asúa L, et al. **Proc Natl Acad Sci USA 70:1388-92, May 73**

Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells. Kram R, et al.
Proc Natl Acad Sci USA 70:1432-6, May 73

[Effect os serotonin and calcium on the cyclic 3',5'-AMP level in the smooth uterine muscle and in other rabbit tissues] Baksheev NS, et al.
Ukr Biokhim Zh 45:187-90, Mar-Apr 73 (Eng. Abstr.) (Ukr)

ANTAGONISTS & INHIBITORS

Mechanisms of lithium action. Singer I, et al.
N Engl J Med 289:254-60, 2 Aug 73 (9 ref.)

Adenosine release from isolated fat cells and its significance for the effects of hormones on cyclic 3',5'-AMP levels and lipolysis. Schwabe U, et al. **Naunyn Schmiedebergs Arch Pharmacol 276:133-48, 23 Feb 73**

Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells. Kram R, et al.
Proc Natl Acad Sci USA 70:1432-6, May 73

BIOSYNTHESIS

Chemical mediation of hormone action. Bitensky MW, et al. **Annu Rev Med 23:263-84, 1972 (180 ref.)**

Compound 48-80 decreases adenosine 3'5'-monophosphate formation in rat peritoneal mast cells. Gillespie E. **Experientia 29:447-8, 15 Apr 73**

The phosphorylases system of the cardiac muscle of normal and reserpinized rats poisoned with 2,4-dinitrophenol. Vercesi AE, et al.
Experientia 29:392-3, 15 Apr 73

Cyclic adenosine 3',5'-monophosphate in Escherichia coli. Buettner MJ, et al. **J Bacteriol 114:1068-73, Jun 73**

Hormonal regulation of adipocyte enzymes. The effects of epinephrine and insulin on the control of lipase, phosphorylase kinase, phosphorylase, and glycogen synthase. Khoo JC, et al.
J Biol Chem 248:3823-30, 10 Jun 73

The vasopressin-sensitive adenylate cyclase of the rat renal medulla. Neer EJ.
J Biol Chem 248:4775-81, 10 Jul 73

Chorionic gonadotropin sensitive adenylate cyclase in human term placenta. Menon KM, et al.
J Clin Endocrinol Metab 36:1104-9, Jun 73

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. **J Endocrinol 57:217-33, May 73**

Prevention of MIF activity by agents known to increase cellular cyclic AMP. Koopman WJ, et al.
J Immunol 110:1609-14, Jun 73

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73

Stimulation of cAMP synthesis by glucose in a mutant of E. coli B-r. Abou-Sabe' MA.
Nature [New Biol] 243:182-5, 6 Jun 73

Adenyl cyclase of polymorphonuclear leukocytes. Constantopoulos A, et al.
Nature [New Biol] 243:268-9, 27 Jun 73

Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure. Guidotti A, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973

Transformation of chick-embryo fibroblasts by wild-type and temperature-sensitive Rous sarcoma virus alters adenylate cyclase activity. Anderson WB, et al. **Proc Natl Acad Sci USA 70:1055-9, Apr 73**

Effects of prostaglandins PGE 2 and PGF 2 on the adenyl cyclase activity of various segments of the immature rabbit oviduct and uterus. Lerner LJ, et al.
Proc Soc Exp Biol Med 143:536-9, Jun 73

Presence and stimulation of adenyl cyclase in pancreas homogenate. Marois C, et al.
Rev Can Biol 31:253-7, Dec 72

[Cyclic 3',5'-adenosinemonophosphate (c-AMP)] Mohn G.
Australas Radiol 22:1761-6, Oct 72 (45 ref.) (Eng. Abstr.) (Ger)

LIBRARY U. OF I., URBANA-CHAMPAIGN

CYCLIC NUCLEOTIDES

BLOOD

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972

Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats. Hemington JG, et al.
Biochim Biophys Acta 304:552-9, 28 Apr 73

Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP. Polgar P, et al.
Biochim Biophys Acta 297:378-83, 28 Feb 73

Regulation of cyclic AMP levels and aggregation in human platelets by prostaglandin E . McDonald JW, et al. **J Lab Clin Med** 81:838-49, Jun 73

CHEMICAL SYNTHESIS

4'-Thioadenosine 3'5'-cyclic phosphate and derivatives. Chemical synthesis and hydrolysis by phosphodiesterase. Anisuzzaman AK, et al.
Biochemistry 12:2041-5, 22 May 73

Synthetic analogues of polynucleotides. IX. Synthesis of 3'-O-carboxymethyl-2'-deoxyribonucleosides and their use in the synthesis of an analogue of 2'-deoxyadenylyl-(3' leads to 5'-)-thymidine 3'-phosphate. Edge MD, et al.
J Chem Soc [Perkin I] 3:290-4, 1973

ISOLATION & PURIFICATION

High-pressure anion exchange chromatography and enzymatic isotope displacement assays for cyclic AMP and cyclic GMP. Brooker G.
Adv Cyclic Nucleotide Res 2:111-29, 1972

Firefly luminescence in the assay of cyclic AMP. Ebadi MS. **Adv Cyclic Nucleotide Res** 2:89-109, 1972

Determination of relative levels of cyclic AMP in tissues or cells prelabeled with radioactive adenine. Kebabian JW, et al.
Adv Cyclic Nucleotide Res 2:131-7, 1972

[Description of an electrophoretic technic for isolation of cyclic AMP from its metabolites. Application to adenylcyclase activity determination] Verbert A, et al. **Biochimie** 54:1491-2, 1972 **(Fre)**

[Isolation of cyclic AMP using an alumina column and the improvement of its method: application of adenyl-cyclase assay] Sato S.
Clin Endocrinol (Tokyo) 21:73-8, Jan 73 **(Jap)**

METABOLISM

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972

Determination of relative levels of cyclic AMP in tissues or cells prelabeled with radioactive adenine. Kebabian JW, et al.
Adv Cyclic Nucleotide Res 2:131-7, 1972

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. **Adv Cyclic Nucleotide Res** 2:41-50, 1972

Effects of catecholamines on the smooth muscle of the female reproductive tract. Marshall JM.
Annu Rev Pharmacol 13:19-32, 1973 (115 ref.)

Studies on the properties of 1,N 6 -ethenoadenine derivatives of various coenzymes. Lee CY, et al.
Arch Biochem Biophys 157:83-90, Jul 73

Studies on phosphodiesterase from oxyntic cells of bullfrog gastric mucosa. I. Intracellular localization, partial purification, and properties. Ray TK, et al.
Arch Biochem Biophys 155:24-31, Mar 73

Glucagon infusion following phosphodiesterase inhibition: an experimental study of the hemodynamic effects. Mitts TF, et al.
Arch Surg 107:12-5, Jul 73

Differences in macromolecular binding between cyclic AMP and its dibutyryl derivative in vitro. Filler R, et al. **Biochem Biophys Res Commun** 52:159-67, 1 May 73

Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells. Mackie C, et al.
Biochem Biophys Res Commun 53:545-51, 17 Jul 73

Simian virus 40 rapidly lowers cAMP levels in mouse cells. Rein A, et al.
Biochem Biophys Res Commun 52:899-904, 8 Jun 73

Isoproterenol and glucagon effects in perfused hearts from spontaneously hypertensive and normotensive rats. Largis EE, et al.
Biochem Pharmacol 22:1735-44, 15 Jul 73

Adenosine 3',5'-monophosphate and protein kinase dependent phosphorylation of ribosomal protein. Walton GM, et al. **Biochemistry** 12:2604-11, 3 Jul 73

Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats. Hemington JG, et al.
Biochim Biophys Acta 304:552-9, 28 Apr 73

Possible role of cyclic AMP in gastric acid secretion in rat. Activation of carbonic anhydrase. Narumi S, et al.
Biochim Biophys Acta 311:90-7, 7 Jun 73

Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP. Polgar P, et al.
Biochim Biophys Acta 297:378-83, 28 Feb 73

The stimulation of bovine epididymal sperm metabolism by cyclic nucleotide phosphodiesterase inhibitors. Garbers D, et al.
Biol Reprod 8:589-98, Jun 73

The effects of cyclic nucleotide phosphodiesterase inhibitors on ejaculated porcine spermatozoan metabolism. Garbers DL, et al.
Biol Reprod 8:599-606, Jun 73

Direct stimulant effect of cyclic AMP and dibutryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. **Biomedicine** 19:130-2, 10 Apr 73

The effect of pyrimidine compounds on the potentiation of adenosine inhibition of aggregation, on adenosine phosphorylation and phosphodiesterase activity of blood platelets. Rozenberg MC, et al.
Br J Haematol 24:409-18, Apr 73

Neurohumoral regulation of adenylate cyclase activity in rat striatum. Walker JB, et al.
Brain Res 54:386-90, 17 May 73

Physiological receptors as physicochemical entities. Lefkowitz RJ, et al.
Circ Res 32:Suppl 1:46-52, 5 May 73 (57 ref.)

Adrenergic receptors. Nickerson M.
Circ Res 32:Suppl 1:53-60, 5 May 73 (48 ref.)

Mechanism of action of gonadotropin. 3. Binding of adenosine 3',5'-monophosphate by the 105,000 X g supernatant fraction from homogenates of calf ovaries. Hiestand PC, et al.
Endocrinology 93:217-30, Jul 73

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al.
Endocrinology 93:34-41, Jul 73

Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Moyle WR, et al.
Endocrinology 93:127-34, Jul 73

Effects of hormones on cyclic AMP release in perfused rat livers. Kuster J, et al. **FEBS Lett** 32:73-7, 15 May 73

A micro-method for the measurement of pharmacologically induced changes in purine derivatives. Kilbert LH Jr, et al.
Horm Metab Res 5:216-20, May 73

Cyclic adenosine monophosphate-independent mutants of the lactose operon of Escherichia coli. Arditti R, et al. **J Bacteriol** 114:652-5, May 73

Genetic and biochemical investigation of the Escherichia coli mutant hfl-1 which is lysogenized at high frequency by bacteriophage lambda. Belfort M, et al. **J Bacteriol** 115:299-306, Jul 73

Cyclic adenosine 3',5'-monophosphate in Escherichia coli. Buettner MJ, et al. **J Bacteriol** 114:1068-73, Jun 73

Role of cyclic adenosine 3',5'-monophosphate in the in vivo expression of the galactose operon of Escherichia coli. Rothman-Denes LB, et al.
J Bacteriol 114:1040-4, Jun 73

Relationship of adenosine 3',5'-monophosphate to growth and metabolism of Tetrahymena pyriformis. Voichick J, et al. **J Bacteriol** 115:68-72, Jul 73

Effects of hypophysectomy on lactate metabolism in the perfused rat liver. Jefferson LS, et al.
J Biol Chem 248:4561-7, 10 Jul 73

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. **J Endocrinol** 57:217-33, May 73

Immunologic release of histamine and slow reacting substance of anaphylaxis from human lung. V. Effects of prostaglandins on release of histamine. Tauber AI, et al. **J Immunol** 111:27-32, Jul 73

CYCLIC NUCLEOTIDES

The inheritance of psoriasis. Kimberling W, et al. **J Invest Dermatol** 60:538-40, Jun 73 (19 ref.)
Genetic control of melanin metabolism within the melanin unit of mammalian epidermis. Quevedo WC Jr. **J Invest Dermatol** 60:407-17, Jun 73 (84 ref.)
Intracellular cyclic adenosine 3', 5'-monophosphate and relaxing effects of isoprenaline and papaverine on smooth muscle of intestine. Takayanagi I, et al. **Jap J Pharmacol** 22:869-71, Dec 72
Suppression of growth of P-815 mastocytoma cells in vitro by drugs increasing cellular cyclic 3',5'-adenosine monophosphate. Keller R, et al. **Life Sci [II]** 12:97-105, 8 Feb 73
Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al. **Metabolism** 22:769-72, Jun 73
Role of the beta adrenergic receptor in the elevation of adenosine cyclic 3',5'-monophosphate and induction of serotonin N-acetyltransferase in rat pineal glands. Deguchi T. **Mol Pharmacol** 9:184-90, Mar 73
Adenosine release from isolated fat cells and its significance for the effects of hormones on cyclic 3',5'-AMP levels and lipolysis. Schwabe U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 276:133-48, 23 Feb 73
Adrenergic receptors of the heart. Mayer SE. **Neurosci Res Program Bull** 11:201-4, Jun 73
Presence and stimulation of adenyl cyclase in pancreas homogenate. Marois C, et al. **Rev Can Biol** 31:253-7, Dec 72
Some aspects of nucleoside and nucleotide metabolism in the peripheral leukocytes during kidney allograft rejection. Chirvasie R, et al. **Rev Roum Physiol** 10:149-61, 1973
[Immunologic disorders and biochemical disorders in psoriasis] Rimbaud P, et al. **Nouv Presse Med** 1:2836, 25 Nov 72 **(Fre)**
[Cyclic 3',5'-adenosinemonophosphate (c-AMP)] Mohn G. **Australas Radiol** 22:1761-6, Oct 72 (45 ref.) **(Eng. Abstr.)** **(Ger)**
[Chlorpropamide in diabetes insipidus] Uhlich E, et al. **Minerva Med** 64:1702-4, 5 May 73 **(Ita)**
[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al. **Endokrynol Pol** 24:105-32, 1973 (136 ref.) **(Pol)**
[Receptors of steroid hormones] Kahl A. **Postepy Biochem** 19:171-93, 1973 **(Pol)**

PHARMACODYNAMICS

Cell size and lipolysis by human subcutaneous adipose tissue. Ostman J, et al. **Acta Med Scand** 193:469-75, May 73
Control of gluconeogenesis and glycogenolysis in perfused livers of normal mice. Assimacopoulos-Jeannet F, et al. **Am J Physiol** 225:25-32, Jul 73
The lysosome: a role in disease. Verity MA, et al. **Ann Intern Med** 78:725-38, May 73 (74 ref.)
Cyclic AMP inhibition of reactions of glyceraldehyde 3-phosphate dehydrogenase. Fife TH, et al. **Arch Biochem Biophys** 157:100-5, Jul 73
In vivo effect of adenosine 3',5'-monophosphate on Ehrlich ascites tumour cells. Seller MJ, et al. **Arch Dis Child** 48:326, Apr 73
Carbohydrate metabolism during differentiation (sclerotization) of the myxomycete Physarum flavicomum. Lynch TJ, et al. **Arch Mikrobiol** 90:189-98, 1973
Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al. **Biochem Biophys Res Commun** 52:959-66, 8 Jun 73
Comparison of the Ca ++ requirement for the steroidogenic effect of ACTH acid dibutyryl cyclic AMP in rat adrenal cell suspension. Haksar A, et al. **Biochem Biophys Res Commun** 47:445-50, 28 Apr 72
Inhibition of Escherichia coli growth by cyclic adenosine 3', 5'-monophosphate. Judewicz ND, et al. **Biochem Biophys Res Commun** 52:1257-62, 19 Jun 73
Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells. Kapp LN, et al. **Biochem Biophys Res Commun** 52:1206-12, 19 Jun 73
In vitro activation of leukocyte glycogen synthetase. Nahas N, et al. **Biochem Biophys Res Commun** 52:21-6, 1 May 73
Cyclic-3', 5'-AMP-dependent and independent protein kinase levels in normal and feline sarcoma virus transformed cells. Troy FA, et al. **Biochem Biophys Res Commun** 52:150-8, 1 May 73
Multiple biochemical effects of a series of x-ray induced mutations at the albino locus in the mouse. Thorndike J, et al. **Biochem Genet** 9:25-39, May 73
Effects of insulin, epinephrine, and cyclic adenosine monophosphate on pyruvate dehydrogenase of adipose tissue. Sica V, et al. **Biochemistry** 12:2282-91, 5 Jun 73
Adenosine 3':5'-monophosphate-dependent and independent histone kinases isolated from human tonsillar lymphocytes. Faragó A, et al. **Biochim Biophys Acta** 297:517-26, 28 Feb 73
Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats. Freidmann N, et al. **Biochim Biophys Acta** 307:399-403, 11 May 73
Stimulation of sensitivity of the glycogen phosphorylase-converting system in skeletal muscle by metabolic inhibitors. Hostmark AT, et al. **Biochim Biophys Acta** 304:389-96, 28 Apr 73
Factors affecting the synthesis and release of the extracellular protease of Aspergillus oryzae NRRL 2160. Klapper BF, et al. **Biochim Biophys Acta** 304:513-9, 28 Apr 73
In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid. Lecocq RE, et al. **Biochim Biophys Acta** 299:304-11, 19 Mar 73
Possible role of cyclic AMP in gastric acid secretion in rat. Activation of carbonic anhydrase. Narumi S, et al. **Biochim Biophys Acta** 311:90-7, 7 Jun 73
Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al. **Biochim Biophys Acta** 297:527-39, 28 Feb 73
Regulation of glycogen phosphorylase a phosphatase in Neurospora crassa. Téllez De I nón MT, et al. **Biochim Biophys Acta** 297:399-412, 28 Feb 73
SH-groups on the surface of pancreas cells involved in secretin stimulation and glucose-mediated secretion. Wizemann V, et al. **Biochim Biophys Acta** 307:366-71, 11 May 73
Direct stimulant effect of cyclic AMP and dibutryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. **Biomedicine** 19:130-2, 10 Apr 73
Uptake of vitamin B 12 by phytohaemagglutinin-transformed lymphocytes. Hoffbrand AV, et al. **Br J Haematol** 24:147-56, Feb 73
Pharmacological properties of centrally-administered agents which interfere with neurotransmitter function: a comparison with the central depressant effects of ouabain. Doggett NS, et al. **Br J Pharmacol** 47:26-38, Jan 73
The effect of cyclic N-2-O-dibutyryl-adenosine-3',5'-monophosphate, adenosine triphosphate and butyrate on the body temperature of conscious cats. Varagić VM, et al. **Brain Res** 57:252-4, 16 Jul 73
Translational control of protein synthesis in rat anterior pituitary by N 6 -2'-O-dibutyryl adenosine 3',5'-monophosphate. Boucher R, et al. **Can J Biochem** 51:913-9, Jun 73
Rapid arrest of DNA synthesis by N 6 ,O 2' -dibutyryl cyclic adenosine 3',5'-monophosphate in cultured hepatoma cells. Wijk R van, et al. **Cancer Res** 33:1331-8, Jun 73
Influence of methylxanthines and local anaesthetics on the metabolism of muscle and associated changes in mitochondrial morphology. Manchester KL, et al. **Chem Biol Interact** 6:273-96, May 73
Importance of potassium in the regulation of aldosterone production. Boyd J, et al. **Circ Res** 32:Suppl 1:39-45, 5 May 73
Relaxation of catch in a molluscan smooth muscle. I. Effects of drugs which act on the adenyl cyclase system. Cole RA, et al. **Comp Biochem Physiol [A]** 43:321-30, 1 Oct 72
The effect of some nucleotides and related compounds on sodium transport and water permeability of the urinary bladder of the toad. Sugita M, et al. **Comp Biochem Physiol [A]** 45:157-67, 1 May 73
Stimulation of H-3-leucine incorporation into the proinsulin and insulin fraction of isolated pancreatic mouse islets in the presence of glucagon, theophylline and cyclic AMP. Schatz H, et al. **Diabetes** 22:433-41, Jun 73
Incorporation of 32Pi orthophosphate into

LIBRARY U. OF I., URBANA-CHAMPAIGN

phospholipids of calf pineal slices in the presence and absence of neurotransmitters. Basinska J, et al. **Endocrinology** 92:1588-95, Jun 73

Plasma growth hormone in the anesthetized rat. Effects of dibutyryl cyclic AMP, prostaglandin E 1 , adrenergic agents, vasopressin, chlorpromazine, amphetamine and L-dopa. Kato Y, et al. **Endocrinology** 93:135-46, Jul 73

Steroidogenesis and RNA synthesis in rat adrenal gland in vitro. Tsang D, et al. **Endocrinology** 93:119-26, Jul 73

Studies on the induction and repression of enzymes in rat liver. Characterization and metabolic regulation of multiple forms of tyrosine aminotransferase. Iwasaki Y, et al. **Eur J Biochem** 34:347-57, Apr 73

Maturation-stimulating effect of brain extract and dibutyryl cyclic AMP on dissociated embryonic brain cells in culture. Lim R, et al. **Exp Eye Res** 79:243-6, Apr 73

Ion pumps in the cornea and their stimulation by epinephrine and cyclic-AMP. Zadunaisky JA, et al. **Exp Eye Res** 15:577-84, 10 May 73

Interaction between -adrenergic stimulant and phosphodiesterase inhibiting drugs on the bronchial muscle. Bertelli A, et al. **Experientia** 29:300-2, 15 Mar 73

Effect of some drugs on the chemotaxis of rabbit neutrophils in vitro. Borel JF. **Experientia** 29:676-8, 15 Jun 73

Stimulation by cyclic adenosine monophosphate of plasmid deoxyribonucleic acid replication and catabolite repression of the plasmid deoxyribonucleic acid-protein relaxation complex. Katz L, et al. **J Bacteriol** 114:577-91, May 73

Inhibition of rat liver acetyl coenzyme A carboxylase by N 6 ,O 2' -dibutyryl cyclic adenosine 3':5'-monophosphate in vitro. Allred JB, et al. **J Biol Chem** 248:4131-3, 10 Jun 73

Regulation of tyrosine aminotransferase in rat liver. X. Characterization and interconversion of the multiple enzyme forms. Johnson RW, et al. **J Biol Chem** 248:4521-7, 10 Jul 73

Perifused fat cells. Effect of lipolytic agents. Katocs AS Jr, et al. **J Biol Chem** 248:5089-94, 25 Jul 73

Studies on the role of ribosomal proteins L 7 and L 12 in the in vitro synthesis of -galactosidase. Kung HF, et al. **J Biol Chem** 248:5012-5, 25 Jul 73

Glutamine synthetase and the regulation of histidase formation in Klebsiella aerogenes. Prival MJ, et al. **J Biol Chem** 248:4334-44, 25 Jun 73

Enhancement by purine nucleosides and nucleotides of serum-induced DNA synthesis in quiescent 3T3 cells. Schor S, et al. **J Cell Physiol** 81:339-46, Jun 73

Differential effect of cyclic adenosine monophosphate on the secretion of human placental lactogen and human chorionic gonadotropin. Handwerger S, et al. **J Clin Endocrinol Metab** 36:1268-70, Jun 73

Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. Frowein J. **J Endocrinol** 57:437-49, Jun 73

Further studies on the trophic effect of cyclic GMP on rat adrenal cortex. Nussdorfer GG, et al. **J Endocrinol** 57:559-60, Jun 73

Effect of inosine on guinea-pig bronchial muscle. Bertelli A, et al. **J Pharm Pharmacol** 25:60-4, Jan 73

Relaxation of intestinal smooth muscle and calcium movements. Tomiyama A, et al. **J Pharm Pharmacol** 25:65-8, Jan 73

The effects of actinomycin D, gibberellin A7, and cyclic AMP on mating of Chlamydomonas reinhardtii. Greenwood HL. **J Protozool** 20:305-7, May 73

The effects of endogenous compounds on ovine myometrial contractility and adenyl cyclase system. Rossier G, et al. **J Reprod Fertil** 33:362-3, May 73

Activation and inhibition of blood platelet adenylate cyclase by adenosine or by 2-chloroadenosine. Haslam RJ, et al. **Life Sci [II]** 11:1143-54, 8 Dec 72

Suppression of growth of P-815 mastocytoma cells in vitro by drugs increasing cellular cyclic 3',5'-adenosine monophosphate. Keller R, et al. **Life Sci [II]** 12:97-105, 8 Feb 73

Enhanced release of dopamine -hydroxylase and norepinephrine from sympathetic nerves by dibutyryl cyclic adenosine 3', 5'-monophosphate and theophylline. Wooten GF, et al. **Mol Pharmacol** 9:178-83, Mar 73

Observations on the control and release of growth hormone in plasma. Kato Y, et al. **Mt Sinai J Med NY** 40:382-401, May-Jun 73 (101 ref.)

Immunologic release of chemical mediators from human nasal polyps. Kaliner M, et al. **N Engl J Med** 289:277-81, 9 Aug 73

51 Chromium-release assay for cell-mediated cytotoxicity of human leukemia and lymphoid tissue-culture cells. McCoy JL, et al. **Natl Cancer Inst Monogr** 37:59-67, Jun 73

Influence of cell-free ascites fluid and adenosine 3'5'-cyclic monophosphate upon the cell kinetics of Ehrlich's ascites carcinoma. Cooper PR, et al. **Nature** 243:457-8, 16 Feb 73

Influence of dibutyryl cyclicAMP and theophylline on cell surface antigens on oncornavirus transformed cells. Kurth R, et al. **Nature [New Biol]** 243:243-5, 20 Jun 73

Influence of cyclization and acyl substitution on the inotropic effects of adenine nucleotides. Meinertz T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:165-78, 1973

Dibutyryl cyclic AMP and adrenaline increase contractile force and 45 Ca uptake in mammalian cardiac muscle. Meinertz T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 227:107-12, 1973

Action of intracerebroventricular dibutyryl cyclic AMP on amobarbital anaesthesia in rats. Cohn ML, et al. **Neuropharmacology** 12:401-5, May 73

Thrombosthenin, the contractile protein of blood platelets. New facts and problems. Lüscher EF, et al. **Pathol Biol (Paris) Suppl**:89-101, Dec 72 (85 ref.)

Regulation of phosphorylation of a specific protein in toad-bladder membrane by antidiuretic hormone and cyclic AMP, and its possible relationship to membrane permeability changes. DeLorenzo RJ, et al. **Proc Natl Acad Sci USA** 70:880-4, Mar 73

Effect of insulin on the growth pattern and adenylate cyclase activity of BHK fibroblasts. Jiménez de Asúa L, et al. **Proc Natl Acad Sci USA** 70:1388-92, May 73

Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells. Kram R, et al. **Proc Natl Acad Sci USA** 70:1432-6, May 73

Cytochalasin B: effect on lysosomal enzyme release from human leukocytes. Zurier RB, et al. **Proc Natl Acad Sci USA** 70:844-8, Mar 73

Endogenous triglyceride and glycogen in perfused rat hearts. Gartner SL, et al. **Proc Soc Exp Biol Med** 143:556-60, Jun 73

Inhibition of glucose oxidation and fatty acid synthesis in liver slices from fed, fasted and fasted-refed rats by glucagon, epinephrine and cyclic adenosine-3',5'-monophosphate. Meikle AW, et al. **Proc Soc Exp Biol Med** 143:379-81, Jun 73

Regional physiology of the nervous system. Read WO. **Prog Neurol Psychiatry** 27:35-49, 1972 (154 ref.)

Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. **Science** 180:872-5, 25 May 73

Enzyme release from polymorphonuclear leukocyte lysosomes: regulation by autonomic drugs and cyclic nucleotides. Ignarro LJ, et al. **Science** 180:1181-3, 15 Jun 73

[The effect of 3' :5'-cyclic AMP and theophylline on respiration in Acetabularia mediterranea] Legros F, et al. **Arch Int Physiol Biochim** 81:164-6, Feb 73 **(Fre)**

[The cellular biology of the exocrine pancreas] Christophe J, et al. **Bull Acad R Med Belg** 12:323-59, 1972 (Eng. Abstr.) **(Fre)**

[Effect of cAMP and of regulator protein on the in vitro action of human chorionic gonadotropin (HCG) on the corpus luteum] Hermier C, et al. **C R Acad Sci [D] (Paris)** 275:1415-21, 25 Sep 72 **(Fre)**

[Secretion of insulin and glucagon by the pancreas in newborn rats: effect of glucose and 3'-5'cyclic AMP adensine monophosphate] Jarrousse C, et al. **C R Acad Sci [D] (Paris)** 676:797-800, 29 Jan 73 **(Fre)**

[Cyclic AMP, mediator of glucagon secretion due to amino acids] Rosselin G, et al. **C R Acad Sci [D] (Paris)** 276:1017-20, 5 Feb 73 **(Fre)**

[Antagonism between cyclic AMP and calcium on isolated depolarized aorta in the rat] Demesy-Waeldele F, et al. **J Physiol (Paris)** 65:Suppl 3:387A+, 1972 **(Fre)**

[Calorigenic effects of theophylline and cyclic dibutyryl-AMP in the rat adapted to different temperatures] Laury MC, et al. **J Physiol (Paris)** 65:Suppl 3:438A, 1972 **(Fre)**

[Ultrastructural study of anterior pituitary secretion]

Pelletier G.
Union Med Can 102:546-50, Mar 73 (Eng. Abstr.) (Fre)
[Organ culture of the parathyroid gland] Fujita T, et al.
Folia Endocrinol Jap 49:707-15, 20 Apr 73 (Eng. Abstr.) (Jap)
[Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"] Hashimoto K, et al.
Folia Endocrinol Jap 49:659-70, 20 Apr 73 (Eng. Abstr.) (Jap)
[Metabolism of blood platelets: biochemical aspects of its release reaction] Kuramoto A.
Jap J Clin Pathol 21:11-23, Jan 73 (73 ref.) (Jap)

PHYSIOLOGY

On the possible role of cyclic AMP in the neuromuscular transmission and in the treatment of myasthenia gravis. Hokkanen E, et al.
Acta Neurol Scand [Suppl] 51:375-6, 1972
Autonomic imbalance in asthma with special reference to beta adrenergic blockade. Middleton E Jr.
Adv Intern Med 18:177-97, 1972 (99 ref.)
Biochemical physiology of central synapses. Baldessarini RJ, et al.
Annu Rev Physiol 35:273-304, 1973 (207 ref.)
Evidence that endogenous cyclic AMP does not modulate serum sulfation factor action on embryonic chicken cartilage. Birch BM, et al.
Biochem Biophys Res Commun 52:1184-9, 19 Jun 73
Metabolic oscillations and food intake. Allred JB, et al.
Fed Proc 32:1727-30, Jun 73 (44 ref.)
Hormonal regulation of adipocyte enzymes. The effects of epinephrine and insulin on the control of lipase, phosphorylase kinase, phosphorylase, and glycogen synthase. Khoo JC, et al.
J Biol Chem 248:3823-30, 10 Jun 73
Secondary hyperparathyroidism. Rasmussen H.
Mt Sinai J Med NY 40:462-73, May-Jun 73
Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells. Kram R, et al.
Proc Natl Acad Sci USA 70:1432-6, May 73
Beta adrenergic blockade theory of bronchial asthma. Haunschild CD, et al. **South Med J 66:401-4, Apr 73**
[Role of cyclic AMP in the mechanical activity of smooth muscle] Meyer P.
Nouv Presse Med 2:1651-4, 16 Jun 73 (Fre)
[Cyclic 3',5'-adenosinemonophosphate (c-AMP)] Mohn G.
Australas Radiol 22:1761-6, Oct 72 (45 ref.) (Eng. Abstr.) (Ger)
[Clinical significance of gamma E] Ito K.
Jap J Clin Pathol 21:43-51, Jan 73 (79 ref.) (Jap)
[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al.
Endokrynol Pol 24:105-32, 1973 (136 ref.) (Pol)

SECRETION

Effects of hormones on cyclic AMP release in perfused rat livers. Kuster J, et al. **FEBS Lett 32:73-7, 15 May 73**

THERAPEUTIC USE

In vivo effect of adenosine 3',5'-monophosphate on Ehrlich ascites tumour cells. Seller MJ, et al.
Arch Dis Child 48:326, Apr 73
Effect of cyclic 3',5'-monophosphate on edema and granuloma induced by carrageenin. Ichikawa A, et al.
Biochem Pharmacol 21:2615-26, 1 Oct 72
Reversal of cerebral vasospasm. Peterson EW, et al.
Lancet 1:1513, 30 Jun 73

URINE

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972
Firefly luminescence in the assay of cyclic AMP. Ebadi MS. **Adv Cyclic Nucleotide Res 2:89-109, 1972**
Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972
The luminescence assay of cyclic AMP. Johnson RA.
Adv Cyclic Nucleotide Res 2:81-7, 1972
Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972
Effects of prostaglandins E 1 , A 1 , and F 2 on renal handling of salt and water. Gross JB, et al.
Am J Physiol 225:218-24, Jul 73
Urinary cyclic AMP in periodic catatonia. Perry TL, et al. **Am J Psychiatry 130:927-9, Aug 73**
Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats. Hemington JG, et al.
Biochim Biophys Acta 304:552-9, 28 Apr 73

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

Effects of lipids on cyclic-nucleotide phosphodiesterases. Bublitz C.
Biochem Biophys Res Commun 52:173-80, 1 May 73
Rabbit red cell cyclic AMP-dependent protein kinase. I. Reversible subunit interaction. Tao M.
Biochem Biophys Res Commun 47:361-4, 28 Apr 72
Studies with phosphodiesterase. 3. Two forms of the enzyme from human blood platelets. Amer MS, et al.
Biochim Biophys Acta 309:149-56, 5 May 73
Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats. Freidmann N, et al.
Biochim Biophys Acta 307:399-403, 11 May 73
Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats. Hemington JG, et al.
Biochim Biophys Acta 304:552-9, 28 Apr 73
Interaction of 6-thioguanylic acid homologues with ribonuclease T 1 . Spectrophotometric and gel filtration studies. Sawada F, et al.
Biochim Biophys Acta 299:596-602, 11 Apr 73
Chemotaxis by the nematode Caenorhabditis elegans: identification of attractants and analysis of the response by use of mutants. Ward S.
Proc Natl Acad Sci USA 70:817-21, Mar 73
Effect of age upon guanyl cyclase, adenyl cyclase, and cyclic nucleotide phosphodiesterases in rats. Williams RH, et al. **Proc Soc Exp Biol Med 143:382-7, Jun 73**

ANALYSIS

High-pressure anion exchange chromatography and enzymatic isotope displacement assays for cyclic AMP and cyclic GMP. Brooker G.
Adv Cyclic Nucleotide Res 2:111-29, 1972
Protein binding assays for cyclic nucleotides. Gilman AG. **Adv Cyclic Nucleotide Res 2:9-24, 1972**
Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972
An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. **Adv Cyclic Nucleotide Res 2:41-50, 1972**
Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972
Adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate: concentrations in Morris hepatomas of different growth rates. Thomas EW, et al. **Biochim Biophys Acta 297:564-7, 28 Feb 73**
Further studies on the chromatographic behaviour of dinucleoside monophosphates. Barzilay I, et al.
J Chromatogr 79:139-46, 16 May 73
[Separation of nucleosides-3'-monophosphates by ion exchange chromatography] Ecarot B, et al.
J Chromatogr 79:357-9, 16 May 73 (Fre)

BLOOD

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972

METABOLISM

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. **Adv Cyclic Nucleotide Res 2:41-50, 1972**
A nucleoside diphosphate phosphohydrolase present in a coated-vesicle fraction from synaptosomes of guinea-pig whole brain. Kadota K, et al.
Brain Res 56:371-6, 29 Jun 73
Mechanism of action of gonadotropin. 3. Binding of

LIBRARY U. OF I., URBANA-CHAMPAIGN

adenosine 3',5'-monophosphate by the 105,000 X g supernatant fraction from homogenates of calf ovaries. Hiestand PC, et al.
Endocrinology 93:217-30, Jul 73

Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Peake GT, et al.
Metabolism 22:769-72, Jun 73

PHARMACODYNAMICS

Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase. Rillema JA, et al.
Biochim Biophys Acta 297:527-39, 28 Feb 73

The effect of some nucleotides and related compounds on sodium transport and water permeability of the urinary bladder of the toad. Sugita M, et al.
Comp Biochem Physiol [A] 45:157-67, 1 May 73

Studies on the induction and repression of enzymes in rat liver. Characterization and metabolic regulation of multiple forms of tyrosine aminotransferase. Iwasaki Y, et al. **Eur J Biochem** 34:347-57, Apr 73

Further studies on the trophic effect of cyclic GMP on rat adrenal cortex. Nussdorfer GG, et al.
J Endocrinol 57:559-60, Jun 73

A mutant transcription factor that is activated by 3':5'-cyclic guanosine monophosphate. Sanders R, et al. **Proc Natl Acad Sci USA** 70:1017-21, Apr 73

Enzyme release from polymorphonuclear leukocyte lysosomes: regulation by autonomic drugs and cyclic nucleotides. Ignarro LJ, et al.
Science 180:1181-3, 15 Jun 73

URINE

Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972

APPENDIX

ADENYL CYCLASE

Renal receptors for calcitonin. Binding and degradation of hormone. Marx SJ, et al.
J Biol Chem 248:4797-802, 10 Jul 73
Cellular responses to cyclic AMP. Bitensky MW, et al.
Prog Biophys Mol Biol 26:409-61, 1973 (359 ref.)
[Application of the occupation theory to renal receptors of lysine vasopressine coupled to adenylcyclase. Study using tritiated vasopressin] Bockaert J, et al.
C R Acad Sci [D] (Paris) 276:649-52, 22 Jan 73 (Fre)
[Isolation of cyclic AMP using an alumina column and the improvement of its method: application of adenyl-cyclase assay] Sato S.
Clin Endocrinol (Tokyo) 21:73-8, Jan 73 (Jap)

ANALYSIS

The luminescence assay of cyclic AMP. Johnson RA.
Adv Cyclic Nucleotide Res 2:81-7, 1972
Inability of detect cyclic AMP in vegetative or sporulating cells or dormant spores of Bacillus megaterium. Setlow P.
Biochem Biophys Res Commun 52:365-72, 15 May 73
Subcellular distribution of adenyl cyclase and phosphodiesterase in Acanthamoeba palestinensis. Chiapowski FJ, et al.
Biochim Biophys Acta 309:138-48, 5 May 73
Adenylate cyclase of heart sarcotubular membranes. Sulakhe PV, et al.
Biochim Biophys Acta 293:379-96, 15 Feb 73
Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. J Endocrinol 57:217-33, May 73
Effect of insulin on the growth pattern and adenylate cyclase activity of BHK fibroblasts. Jiménez de Asúa L, et al. Proc Natl Acad Sci USA 70:1388-92, May 73
[Description of an electrophoretic technic for isolation of cyclic AMP from its metabolites. Application to adenylcyclase activity determination] Verbert A, et al. Biochimie 54:1491-2, 1972 (Fre)
[Modulation of adenyl cyclase activity in the rat heart after colza oil ingestion] Crestell T, et al.
C R Acad Sci [D] (Paris) 275:1443-5, 25 Sep 72 (Fre)
[Secretion of insulin and glucagon by the pancreas in newborn rats: effect of glucose and 3'-5'cyclic AMP adensine monophosphate] Jarrousse C, et al.
C R Acad Sci [D] (Paris) 676:797-800, 29 Jan 73 (Fre)

ANTAGONISTS & INHIBITORS

On the mechanism of adenyl cyclase inhibition by adenosine. McKenzie SG, et al.
Can J Physiol Pharmacol 51:190-6, Mar 73
Efficiency and survival of the corneal endothelial pump. Dikstein S. Exp Eye Res 15:639-44, 10 May 73
Mechanism of the antilipolytic action of NSILA-S: inhibition of adenylate cyclase activity in lipocyte ghosts. Renner R, et al. Horm Metab Res 5:56-7, Jan 73
Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase. Harwood JP, et al.
J Biol Chem 248:4901-4, 25 Jul 73
Detergent-dispersed adenylate cyclase from rat brain. Effects of fluoride, cations, and chelators. Johnson RA, et al. J Biol Chem 248:5114-21, 25 Jul 73
Glucagon stimulation of adenylate cyclase sulfhydryl reactivity. Evidence for hormone-induced conformational changes. Storm DR, et al.
J Biol Chem 248:5208-10, 25 Jul 73
Activation and inhibition of blood platelet adenylate cyclase by adenosine or by 2-chloroadenosine. Haslam RJ, et al. Life Sci [II] 11:1143-54, 8 Dec 72
Effect of insulin on the growth pattern and adenylate cyclase activity of BHK fibroblasts. Jiménez de Asúa L, et al. Proc Natl Acad Sci USA 70:1388-92, May 73
[Role of cyclic AMP in the mechanical activity of smooth muscle] Meyer P.
Nouv Presse Med 2:1651-4, 16 Jun 73 (Fre)

BIOSYNTHESIS

Stimulation of cAMP synthesis by glucose in a mutant of E. coli B-r. Abou-Sabe' MA.
Nature [New Biol] 243:182-5, 6 Jun 73

BLOOD

Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP. Polgar P, et al.
Biochim Biophys Acta 297:378-83, 28 Feb 73

METABOLISM

Chemical mediation of hormone action. Bitensky MW, et al. Annu Rev Med 23:263-84, 1972 (180 ref.)
Action of cholera toxin on fluid and electrolyte movement in the small intestine. Sharp GW.
Annu Rev Med 24:19-23, 1973 (63 ref.)
Thyrotropin releasing hormone: secretion and actions. Wilber JF. Annu Rev Med 24:353-64, 1973 (98 ref.)
In vivo effect of adenosine 3',5'-monophosphate on Ehrlich ascites tumour cells. Seller MJ, et al.
Arch Dis Child 48:326, Apr 73
Adenylate cyclase activity is decreased in chick embryo fibroblasts transformed by wild type and temperature sensitive Schmidt-Ruppin Rous sarcoma virus. Anderson WB, et al.
Biochem Biophys Res Commun 52:1293-9, 19 Jun 73
Role of calcium and prostaglandin (PGE 1) in the MSH-induced activation of adenylate cyclase in Xenopus laevis. Veerdonk FC van de, et al.
Biochem Biophys Res Commun 52:130-6, 1 May 73
Changes in adenyl cyclase specific activity during differentiation on an established myogenic cell line. Wahrmann JP, et al.
Biochem Biophys Res Commun 52:576-81, 15 May 73
Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP. Polgar P, et al.
Biochim Biophys Acta 297:378-83, 28 Feb 73
Basal and hormone-stimulated adenylate cyclase in liver plasma membranes: measurement by radioimmunoassay of cyclic AMP. Rosselin G, et al.
Biochim Biophys Acta 304:541-51, 28 Apr 73
Adenylate cyclase of heart sarcotubular membranes. Sulakhe PV, et al.
Biochim Biophys Acta 293:379-96, 15 Feb 73
Direct stimulant effect of cyclic AMP and dibutryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. Biomedicine 19:130-2, 10 Apr 73
Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity. Kendall-Taylor P. Br Med J 3:72-5, 14 Jul 73
Neurohumoral regulation of adenylate cyclase activity in rat striatum. Walker JB, et al.
Brain Res 54:386-90, 17 May 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

Properties of adenylate cyclase from senescent rat brain. Walker JB, et al. **Brain Res** 54:391-6, 17 May 73
On the mechanism of adenyl cyclase inhibition by adenosine. McKenzie SG, et al.
Can J Physiol Pharmacol 51:190-6, Mar 73
Physiological receptors as physicochemical entities. Lefkowitz RJ, et al.
Circ Res 32:Suppl 1:46-52, 5 May 73 (57 ref.)
Adrenergic receptors. Nickerson M.
Circ Res 32:Suppl 1:53-60, 5 May 73 (48 ref.)
Parathyroid hormone receptor in bovine kidney cortex plasma membranes. Sutcliffe HS, et al.
Clin Sci 44:25P-26P, Jun 73
Relaxation of catch in a molluscan smooth muscle. I. Effects of drugs which act on the adenyl cyclase system. Cole RA, et al.
Comp Biochem Physiol [A] 43:321-30, 1 Oct 72
Stimulation of H-3-leucine incorporation into the proinsulin and insulin fraction of isolated pancreatic mouse islets in the presence of glucagon, theophylline and cyclic AMP. Schatz H, et al.
Diabetes 22:433-41, Jun 73
Adenyl cyclase variation during development of the insect Ceratitis capitata. Castillón MP, et al.
FEBS Lett 32:113-5, 15 May 73
Effect of oxytocin and epinephrine on the adenylate cyclase activity of myometrium from pregnant Rhesus monkeys. Beatty CH, et al.
Horm Metab Res 5:213-5, May 73
Lipolytic action of a newly isolated vasoactive intestinal polypeptide. Frandsen EK, et al.
Horm Metab Res 5:196-9, May 73
Effect of insulin on cerebral adenyl cyclase and phosphodiesterase. Hetenyi G Jr, et al.
Horm Metab Res 5:139, Mar 73
Relationship of adenosine 3',5'-monophosphate to growth and metabolism of Tetrahymena pyriformis. Voichick J, et al. **J Bacteriol** 115:68-72, Jul 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al.
J Biol Chem 248:4092-100, 10 Jun 73
Adenylate cyclase activity in Neurospora crassa. 3. Modulation by glucagon and insulin. Flawiá MM, et al.
J Biol Chem 248:4517-20, 10 Jul 73
Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase. Harwood JP, et al.
J Biol Chem 248:4901-4, 25 Jul 73
Detergent-dispersed adenylate cyclase from rat brain. Effects of fluoride, cations, and chelators. Johnson RA, et al. **J Biol Chem** 248:5114-21, 25 Jul 73
The vasopressin-sensitive adenylate cyclase of the rat renal medulla. Neer EJ.
J Biol Chem 248:4775-81, 10 Jul 73
The role of acidic phospholipids in glucagon action on rat liver adenylate cyclase. Rubalcava B, et al.
J Biol Chem 248:3831-7, 10 Jun 73
Glucagon stimulation of adenylate cyclase sulfhydryl reactivity. Evidence for hormone-induced conformational changes. Storm DR, et al.
J Biol Chem 248:5208-10, 25 Jul 73
Chorionic gonadotropin sensitive adenylate cyclase in human term placenta. Menon KM, et al.
J Clin Endocrinol Metab 36:1104-9, Jun 73
Deactivation of cholera toxin by a sialidase-resistant monosialosylganglioside. King CA, et al.
J Infect Dis 127:639-47, Jun 73
The inheritance of psoriasis. Kimberling W, et al.
J Invest Dermatol 60:538-40, Jun 73 (19 ref.)
The effects of endogenous compounds on ovine myometrial contractility and adenyl cyclase system. Rossier G, et al. **J Reprod Fertil** 33:362-3, May 73
Activation and inhibition of blood platelet adenylate cyclase by adenosine or by 2-chloroadenosine. Haslam RJ, et al. **Life Sci** [II] 11:1143-54, 8 Dec 72
Soluble and membrane-bound adenylate cyclase activity in Yoshida ascites hepatoma. Tomasi V, et al.
Life Sci [II] 12:145-50, 22 Feb 73
Adenyl cyclase of polymorphonuclear leukocytes. Constantopoulos A, et al.
Nature [New Biol] 243:268-9, 27 Jun 73
Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure. Guidotti A, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973
Adrenergic receptors of the heart. Mayer SE.
Neurosci Res Program Bull 11:201-4, Jun 73
Molecular mechanisms of hormone receptors. Rodbell M. **Neurosci Res Program Bull** 11:211-5, Jun 73
Patterns of development of adenyl cyclase activity and norepinephrine responsiveness in the rat. Kohrman AF. **Pediatr Res** 7:575-81, Jun 73
Transformation of chick-embryo fibroblasts by wild-type and temperature-sensitive Rous sarcoma virus alters adenylate cyclase activity. Anderson WB, et al. **Proc Natl Acad Sci USA** 70:1055-9, Apr 73
Effects of prostaglandins PGE 2 and PGF 2 on the adenyl cyclase activity of various segments of the immature rabbit oviduct and uterus. Lerner LJ, et al.
Proc Soc Exp Biol Med 143:536-9, Jun 73
Effect of age upon guanyl cyclase, adenyl cyclase, and cyclic nucleotide phosphodiesterases in rats. Williams RH, et al. **Proc Soc Exp Biol Med** 143:382-7, Jun 73
Presence and stimulation of adenyl cyclase in pancreas homogenate. Marois C, et al.
Rev Can Biol 31:253-7, Dec 72
[The cellular biology of the exocrine pancreas] Christophe J, et al.
Bull Acad R Med Belg 12:323-59, 1972 (Eng. Abstr.) **(Fre)**
[Membrane adenyl cyclase activity in adipose tissue of obese hyperglycemic Bar-Harbor mice] Laudat MH, et al. **C R Acad Sci** [D] **(Paris)** 276:407-9, 15 Jan 73 **(Fre)**
[Role of cyclic AMP in the mechanical activity of smooth muscle] Meyer P.
Nouv Presse Med 2:1651-4, 16 Jun 73 **(Fre)**
[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al.
Endokrynol Pol 24:105-32, 1973 (136 ref.) **(Pol)**

PHYSIOLOGY

Autonomic imbalance in asthma with special reference to beta adrenergic blockade. Middleton E Jr.
Adv Intern Med 18:177-97, 1972 (99 ref.)
Efficiency and survival of the corneal endothelial pump. Dikstein S. **Exp Eye Res** 15:639-44, 10 May 73

GUANYL CYCLASE

METABOLISM

Effect of age upon guanyl cyclase, adenyl cyclase, and cyclic nucleotide phosphodiesterases in rats. Williams RH, et al. **Proc Soc Exp Biol Med** 143:382-7, Jun 73

* HORMONES, ECTOPIC

Hormone producing tumors of the lung. Lawrence AM.
Ann Clin Lab Sci 3:259-64, Jul-Aug 73
Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 22:1756-69, Jul 73
[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 **(Fre)**
[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) **(Ger)**

ANALYSIS

Immunoassayable insulin in carcinoma of the cervix associated with hypoglycemia. Kiang DT, et al.
Cancer 31:801-5, Apr 73
Production of human chorionic gonadotropin in vitro by a cell line derived from a carcinoma of the lung. Rabson AS, et al. **J Natl Cancer Inst** 50:669-74, Mar 73
Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

BIOSYNTHESIS

Production of human chorionic gonadotropin in vitro by a cell line derived from a carcinoma of the lung. Rabson AS, et al. **J Natl Cancer Inst** 50:669-74, Mar 73
Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73
[Case of hepatoblastoma in an infant with ectopic gonadotropin production] Kusunoki T, et al.
Clin Endocrinol (Tokyo) 20:977-83, Nov 72 **(Jap)**

* HORMONES, ECTOPIC Continued, see page 280

BLOOD

Ectopic production of human chorionic gonadotrôpin in Ugandan patients with hepatocellular carcinoma. Braunstein GD, et al. **Cancer** 32:223-6, Jul 73
Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 1:27-44, Jan 72

METABOLISM

Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 1:27-44, Jan 72
Subunits of human chorionic gonadotropin: unbalanced synthesis and secretion by clonal cell strains derived from a bronchogenic carcinoma. Tashjian AH Jr, et al.
Proc Natl Acad Sci USA 70:1419-22, May 73

SECRETION

Ectopic production of human chorionic gonadotropin in Ugandan patients with hepatocellular carcinoma. Braunstein GD, et al. **Cancer** 32:223-6, Jul 73
Oat cell carcinoma of the pancreas with ectopic ACTH secretion. Corrin B, et al. **Cancer** 31:1523-7, Jun 73
Electron microscopy of an ACTH-secreting islet cell carcinoma. Rawlinson DG. **Cancer** 31:1015-9, Apr 73
ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf)** 1:3-25, Jan 72
[Pulmonary neoplasms and adrenal gland insufficiency: study of a case and hypothesis on an ACTH-inhibiting factor (ACTH-IF) or an abnormal ACTH secreted by the tumor] Lelièvre M, et al.
Union Med Can 102:1071-6, May 73 (Eng. Abstr.) **(Fre)**
[Gastric adenocarcinoma with trophoblastic differentiation and gonadotrophin production] Rivadeneyra J, et al.
Arch Invest Med (Mex) 3:503-12, 1972 **(Spa)**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)
Gonadotropin receptor of a mouse luteoma: interactions with luteinizing hormone (LH) and its and subunits. Cole FE, et al.
Biol Reprod 8:550-9, Jun 73
Cushing's syndrome and bronchial carcinoid tumor. Olurin EO, et al. **Cancer** 31:1514-9, Jun 73
Tumor and plasma ACTH concentrations in patients with and without the ectopic ACTH syndrome. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 1:27-44, Jan 72
[Paraneoplasic endocrinopathies] Ménagé JJ.
Rev Prat 23:941-52, 21 Feb 73 **(Fre)**
[Hypercalcemia as a complication in the hormonal treatment of carcinoma of the breast with metastases and the hormone activity of tumors] Friedrich P.
Roentgenblaetter 26:80-5, Feb 73 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

ACTH secretion by bronchial carcinoid tumours. Mason AM, et al. **Clin Endocrinol (Oxf)** 1:3-25, Jan 72

ETIOLOGY

Hormone producing tumors of the lung. Lawrence AM.
Ann Clin Lab Sci 3:259-64, Jul-Aug 73
[Paraneoplastic syndromes. Systemic effects and indicators of malignant tumors] Roth J.
Hippokrates 44:18-38, Mar 73 (439 ref.) **(Ger)**

FAMILIAL & GENETIC

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al.
Cancer 31:1440-50, Jun 73

PATHOLOGY

Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Murad TM, et al.
Cancer 31:1440-50, Jun 73

NERVE GROWTH FACTOR

In vitro studies of dissociated cells from newborn mouse dorsal root ganglia. Varon S, et al.
Brain Res 54:51-63, 17 May 73
Serologically demonstrable cell surface specificities on mouse neuroblastoma C1300. Schachner M.
Nature [New Biol] 243:117-9, 23 May 73
Effect of immunosympathectomy on operant heart rate conditioning in the curarised rat. Thornton EW, et al.
Physiol Behav 10:197-201, Feb 73

BIOSYNTHESIS

Nerve growth factor versus insulin. Weis JS, et al.
Science 180:1301-2, 22 Jun 73

PHARMACODYNAMICS

Trans-synaptic regulation of tyrosine hydroxylase activity in a developing mouse sympathetic ganglion: effects of nerve growth factor (NGF), NGF-antiserum and pempidine. Hendry IA.
Brain Res 56:313-20, 29 Jun 73
A study of the mechanism of lowering the sensitivity of smooth muscle to noradrenalin with sympathetic hyperinnervation. Kuzmicheva NA, et al.
Experientia 29:304-5, 15 Mar 73

PHYSIOLOGY

Physiological, molecular, and genetic aspects of central nervous regeneration. Guth LM WINDLE WF.
Exp Neurol 39:3-16, Jun 73
Nerve growth factor versus insulin. Weis JS, et al.
Science 180:1301-2, 22 Jun 73

PROSTAGLANDINS

Autonomic imbalance in asthma with special reference to beta adrenergic blockade. Middleton E Jr.
Adv Intern Med 18:177-97, 1972 (99 ref.)
Evidence for the presence of a prostaglandin E 2 -9-keto reductase in rat organs. Leslie CA, et al.
Biochem Biophys Res Commun 52:717-24, 8 Jun 73
Regional differences in the formation and metabolism of prostaglandins in the rabbit kidney. Larsson C, et al. **Eur J Pharmacol** 21:30-6, Jan 73
Prostaglandins and the gastrointestinal tract. Waller SL. **Gut** 14:402-17, May 73 (206 ref.)
Acute anterior uveitis and prostaglandins. Whitelocke RA, et al. **Proc R Soc Med** 66:429-34, May 73 (28 ref.)
Cellular responses to cyclic AMP. Bitensky MW, et al.
Prog Biophys Mol Biol 26:409-61, 1973 (359 ref.)
[Initial experiences with prostaglandin F2 in induced abortion] Igel H, et al.
Zentralbl Gynaekol 95:353-7, 16 Mar 73 **(Ger)**

ADMINISTRATION & DOSAGE

Immune reaction manifesting with anterior uveitis and urogenital disease: prostaglandins as haptens. Málnási Z, et al. **Acta Chir Acad Sci Hung** 13:375-83, 1972
Vascular responses to prostanglandin E 1 . Jorgensen HP, et al. **Acta Derm Venereol (Stockh)** 53:203-6, 1973
Induction of therapeutic abortion with intra-amniotically administered prostaglandin F 2 . A comparison of three repeated-injection dose schedules. Brenner WE, et al.
Am J Obstet Gynecol 116:923-30, 1 Aug 73
Therapeutic abortion of early human gestation with vaginal suppositories of prostaglandin (F 2 .). Tredway DR, et al.
Am J Obstet Gynecol 116:795-8, 15 Jul 73
Therapeutic abortion by intrauterine infusion of prostaglandin F 2 . Lippert TH, et al.
Arch Gynaekol 213:197-201, 1973
Absorption of prostaglandins by the intestine and vagina of the rat. Magee WE, et al.
Biochim Biophys Acta 306:270-82, 24 May 73
Effect of orally administered prostaglandin E 2 and its 15-methyl analogues on gastric secretion. Karim SM, et al. **Br Med J** 1:143-6, 20 Jan 73
The response of the ductus arteriosus to prostaglandins. Coceani F, et al.
Can J Physiol Pharmacol 51:220-5, Mar 73
Influence of prostaglandins on cation movement in the lens. Paterson CA, et al.
Exp Eye Res 15:767-78, 24 May 73
Effect of prostaglandin F 2 on the secretion of

LIBRARY U. OF I., URBANA-CHAMPAIGN

pancreatic juice induced by secretin and by dopamine. Iwatsuki K, et al. **Experientia** 29:319-20, 15 Mar 73

Feeding elicited in sheep by intrahypothalamic injections of PGE 1 . Martin FH, et al. **Experientia** 29:306-7, 15 Mar 73

Metabolities formed after intravenous administration of free or albumin-bound prostaglandin E 2 in the rat. Raz A. **FEBS Lett** 27:245-7, 1 Nov 72

Effect of intravenous prostaglandin E 2 on platelet function, coagulation, and fibrinolysis. Howie PW, et al. **J Clin Pathol** 26:355-8, May 73

Immunologic release of histamine and slow reacting substance of anaphylaxis from human lung. V. Effects of prostaglandins on release of histamine. Tauber AI, et al. **J Immunol** 111:27-32, Jul 73

Therapeutic abortion employing the synergistic action of extra-amniotic prostaglandin E 2 and an intravenous infusion of oxytocin. Morewood GA. **J Obstet Gynaecol Br Commonw** 80:473-5, May 73

Induction of labour with oral prostaglandin E 2 . Yip SK, et al. **J Obstet Gynaecol Br Commonw** 80:442-5, May 73

Vasodepressor action of prostaglandins A 2 and E 2 in the spontaneously hypertensive rat (SH rat): evidence for an action mediated by the vagus. Leach BE, et al. **J Pharmacol Exp Ther** 185:479-85, Jun 73

Induction of abortion by combined intra-amniotic urea and prostaglandin E 2 or prostaglandin E 2 alone. Craft I. **Lancet** 1:1344-6, 16 Jun 73

Continuous prostaglandin-F 2 infusion for middle-trimester abortion. Lauersen NH, et al. **Lancet** 1:1195, 26 May 73

Effect of intravenous prostaglandin F 2 on small intestinal function in man. Cummings JH, et al. **Nature** 243:169-71, 18 May 73

Inactivation of prostaglandins E 2 and A 2 on their single passage through the pulmonary vascular bed in anaesthetized rats. Papanicolaou N, et al. **Rev Can Biol** 31:313-6, Dec 72

[Initial experiences with prostaglandin F2 in induced abortion] Igel H, et al. **Zentralbl Gynaekol** 95:353-7, 16 Mar 73 (Ger)

[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)

[Effects of E 2 and F 2 prostaglandins on uterine contractibility] Noriega-Gurra L, et al. **Arch Invest Med (Mex)** 3:Suppl 1:201-12, 1972 (Eng. Abstr.) (Spa)

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex)** 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Induction of therapeutic abortion with intra-amniotically administered prostaglandin F 2 . A comparison of three repeated-injection dose schedules. Brenner WE, et al. **Am J Obstet Gynecol** 116:923-30, 1 Aug 73

Cervical rupture following induced abortion. Corson SL, et al. **Am J Obstet Gynecol** 116:893, 15 Jul 73

Therapeutic abortion of early human gestation with vaginal suppositories of prostaglandin (F 2 .). Tredway DR, et al. **Am J Obstet Gynecol** 116:795-6, 15 Jul 73

Therapeutic abortion by intrauterine infusion of prostaglandin F 2 . Lippert TH, et al. **Arch Gynaekol** 213:197-201, 1973

Prostaglandin E 1 (PGE 1) suppression of adjuvant arthritis. Histopathology. Zurier RB, et al. **Arthritis Rheum** 16:251-7, Mar-Apr 73

Induction of labour with oral prostaglandin E 2 . Yip SK, et al. **J Obstet Gynaecol Br Commonw** 80:442-5, May 73

Induction of abortion by combined intra-amniotic urea and prostaglandin E 2 or prostaglandin E 2 alone. Craft I. **Lancet** 1:1344-6, 16 Jun 73

[Initial experiences with prostaglandin F2 in induced abortion] Igel H, et al. **Zentralbl Gynaekol** 95:353-7, 16 Mar 73 (Ger)

[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 3:Suppl 1:173-86, 1972 (Eng. Abstr.) (Spa)

[Effects of E 2 and F 2 prostaglandins on uterine contractibility] Noriega-Gurra L, et al. **Arch Invest Med (Mex)** 3:Suppl 1:201-12, 1972 (Eng. Abstr.) (Spa)

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex)** 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

ANALYSIS

Prostaglandins in human burn blister fluid. Arturson G, et al. **Acta Physiol Scand** 87:270-6, Feb 73

The metabolism of prostaglandin F 3 in the rat. Dimov V, et al. **Biochim Biophys Acta** 306:257-69, 24 May 73

Seminal prostaglandins and fertility. Brummer HC, et al. **Clin Endocrinol (Oxf)** 1:363-8, Oct 72

Amniotic fluid assays in high-risk pregnancy. Rajan R. **Clin Obstet Gynecol** 16:313-28, Mar 73 (58 ref.)

Regional differences in the formation and metabolism of prostaglandins in the rabbit kidney. Larsson C, et al. **Eur J Pharmacol** 21:30-6, Jan 73

Prostaglandin research. Eakins KE. **Invest Ophthalmol** 12:470, Jun 73

Mass spectra of prostaglandins. 3. Trimethylsilyl and alkyl oxime-trimethylsilyl derivatives of prostaglandins of the E series. Middleditch BS, et al. **J Org Chem** 38:2204-9, 15 Jun 73

Effects of aspirin on prostaglandin and fructose levels in human semen. Horton EW, et al. **J Reprod Fertil** 33:385-92, Jun 73

Evidence for a new class of uterine stimulants in rat semen and male accessory gland secretions. Ventura WP, et al. **J Reprod Fertil** 33:507-11, Jun 73

Prostaglandins in swine testes. Michael CM. **Lipids** 8:92-3, Feb 73

Carbon-13 nuclear magnetic resonance spectra of prostaglandins and some prostaglandin analogs. Cooper GF, et al. **Proc Natl Acad Sci USA** 70:1579-84, May 73

Detection and isolation of an endoperoxide intermediate in prostaglandin biosynthesis. Hamberg M, et al. **Proc Natl Acad Sci USA** 70:899-903, Mar 73

Acute anterior uveitis and prostaglandins. Whitelocke RA, et al. **Proc R Soc Med** 66:429-34, May 73 (28 ref.)

Quantitative determination of prostaglandins. Sweetman BJ, et al. **Prostaglandins** 3:75-87, Jan 73

Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Burke G, et al. **Science** 180:872-5, 25 May 73

ANTAGONISTS & INHIBITORS

Vascular changes in the anterior uvea of the rabbit produced by prostaglandins. Whitelocke RA, et al. **Arch Ophthalmol** 89:495-9, Jun 73

Some effects of inhibiting endogenous prostaglandin formation on the responses of the cat spleen. Ferreira SH, et al. **Br J Pharmacol** 47:48-58, Jan 73

Prostaglandin synthesis, inhibition, and intraocular pressure. Podos SM, et al. **Invest Ophthalmol** 12:426-33, Jun 73

BIOSYNTHESIS

Increased synthesis of prostaglandins in the guinea pig following scalding injury. Hamberg M, et al. **Acta Physiol Scand** 87:240-5, Feb 73

Specific stimulation and inhibition of renal prostaglandin release by angiotensin analogs. Needleman P, et al. **Am J Physiol** 224:1415-9, Jun 73

Some effects of inhibiting endogenous prostaglandin formation on the responses of the cat spleen. Ferreira SH, et al. **Br J Pharmacol** 47:48-58, Jan 73

Dependency of renal blood flow on prostaglandin synthesis in the dog. Lonigro AJ, et al. **Circ Res** 32:712-7, Jun 73

Prostaglandin production and bone resorption by the benign intraosseous dental cyst. Harris M, et al. **Clin Sci** 44:24P-25P, Jun 73

Regional differences in the formation and metabolism of prostaglandins in the rabbit kidney. Larsson C, et al. **Eur J Pharmacol** 21:30-6, Jan 73

Prostaglandins and the gastrointestinal tract. Waller SL. **Gut** 14:402-17, May 73 (206 ref.)

Prostaglandin synthesis, inhibition, and intraocular pressure. Podos SM, et al. **Invest Ophthalmol** 12:426-33, Jun 73

Biosynthesis of prostaglandin E 2 in human skin: subcellular localization and inhibition by unsaturated fatty acids and anti-inflammatory drugs. Ziboh VA. **J Lipid Res** 14:377-84, Jul 73

Effects of aspirin on prostaglandin and fructose levels in human semen. Horton EW, et al. **J Reprod Fertil** 33:385-92, Jun 73

Detection and isolation of an endoperoxide intermediate in prostaglandin biosynthesis. Hamberg M, et al. **Proc Natl Acad Sci USA** 70:899-903, Mar 73

BLOOD

Effects on the neonate of the induction of labor with prostaglandin F 2 and oxytocin. Blackburn MG, et al. **Am J Obstet Gynecol** 116:847-53, 15 Jul 73

Absorption of prostaglandins by the intestine and vagina of the rat. Magee WE, et al. **Biochim Biophys Acta** 306:270-82, 24 May 73

Dependency of renal blood flow on prostaglandin synthesis in the dog. Lonigro AJ, et al. **Circ Res** 32:712-7, Jun 73

Metabolities formed after intravenous administration of free or albumin-bound prostaglandin E 2 in the rat. Raz A. **FEBS Lett** 27:245-7, 1 Nov 72

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci** 36:1149-57, Jun 73 (75 ref.)

Effects of saline infusion on prostaglandin-like materials in renal venous blood and medulla of canine kidney. Shimizu K, et al. **Jap Heart J** 14:140-5, Mar 73

[Prostaglandin blood level in the burned dog] Deby C, et al. **J Physiol (Paris)** 65:Suppl 3:385A, 1972 **(Fre)**

CHEMICAL SYNTHESIS

The metabolism of prostaglandin F 3 in the rat. Dimov V, et al. **Biochim Biophys Acta** 306:257-69, 24 May 73

Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers. Fried J, et al. **J Med Chem** 16:429-30, Apr 73

[Recent progress in the synthesis of new prostaglandins] Crabbé P. **Arch Invest Med (Mex)** 3:Suppl 1:151-72, 1972 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Prostaglandins and the gastrointestinal tract. Waller SL. **Gut** 14:402-17, May 73 (206 ref.)

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci** 36:1149-57, Jun 73 (75 ref.)

Separation of prostaglandin diastereomers by countercurrent distribution. Hallinan EA. **J Chromatogr** 79:368-9, 16 May 73

Evidence for a new class of uterine stimulants in rat semen and male accessory gland secretions. Ventura WP, et al. **J Reprod Fertil** 33:507-11, Jun 73

Prostaglandins in swine testes. Michael CM. **Lipids** 8:92-3, Feb 73

Carbon-13 nuclear magnetic resonance spectra of prostaglandins and some prostaglandin analogs. Cooper GF, et al. **Proc Natl Acad Sci USA** 70:1579-84, May 73

METABOLISM

Prostaglandins in human burn blister fluid. Arturson G, et al. **Acta Physiol Scand** 87:270-6, Feb 73

Ozone, vitamin E, fatty acids, prostaglandins, atherosclerosis and its complications. Dalderup LM. **Arch Environ Health** 27:58, Jul 73

The metabolism of prostaglandin F 3 in the rat. Dimov V, et al. **Biochim Biophys Acta** 306:257-69, 24 May 73

Absorption of prostaglandins by the intestine and vagina of the rat. Magee WE, et al. **Biochim Biophys Acta** 306:270-82, 24 May 73

Regional differences in the formation and metabolism of prostaglandins in the rabbit kidney. Larsson C, et al. **Eur J Pharmacol** 21:30-6, Jan 73

Metabolities formed after intravenous administration of free or albumin-bound prostaglandin E 2 in the rat. Raz A. **FEBS Lett** 27:245-7, 1 Nov 72

Prostaglandins and the gastrointestinal tract. Waller SL. **Gut** 14:402-17, May 73 (206 ref.)

Effects of saline infusion on prostaglandin-like materials in renal venous blood and medulla of canine kidney. Shimizu K, et al. **Jap Heart J** 14:140-5, Mar 73

Prostaglandins and food intake of rats: a component of energy balance regulation? Baile CA, et al. **Physiol Behav** 10:1077-85, Jun 73

Inactivation of prostaglandins E 2 and A 2 on their single passage through the pulmonary vascular bed in anaesthetized rats. Papanicolaou N, et al. **Rev Can Biol** 31:313-6, Dec 72

Pathophysiologic roles of prostaglandins and the action of aspirin-like drugs. Nakano J, et al. **South Med J** 66:709-23, Jun 73 (154 ref.)

[Possibilities of the relationship of prostaglandins to the etiology of arteriosclerosis] Zdichynec B. **Vnitr Lek** 19:506-7, May 73 **(Cze)**

[The cellular biology of the exocrine pancreas] Christophe J, et al. **Bull Acad R Med Belg** 12:323-59, 1972 (Eng. Abstr.) **(Fre)**

[Mechanism and therapy of pain] Laborit G. **Rev Belge Med Dent** 27:157-70, Mar 72 **(Fre)**

PHARMACODYNAMICS

Vascular responses to prostanglandin E 1 . Jorgensen HP, et al. **Acta Derm Venereol (Stockh)** 53:203-6, 1973

Increased synthesis of prostaglandins in the guinea pig following scalding injury. Hamberg M, et al. **Acta Physiol Scand** 87:240-5, Feb 73

Effects of prostaglandins E 1 , A 1 , and F 2 on renal handling of salt and water. Gross JB, et al. **Am J Physiol** 225:218-24, Jul 73

Protective effect of prostaglandin E 1 (PGE 1) on lysosomal enzyme release in serotonin-induced gastric ulceration. Ferguson WW, et al. **Ann Surg** 177:648-54, Jun 73

Chemical mediation of hormone action. Bitensky MW, et al. **Annu Rev Med** 23:263-84, 1972 (180 ref.)

Nonsteroid anti-inflammatory agents. Paulus HE, et al. **Annu Rev Pharmacol** 13:107-25, 1973 (304 ref.)

Vascular changes in the anterior uvea of the rabbit produced by prostaglandins. Whitelocke RA, et al. **Arch Ophthalmol** 89:495-9, Jun 73

Induction of experimental arterial occlusive thrombi in rats. Hornstra G, et al. **Atherosclerosis** 17:369-82, May-Jun 73

Role of calcium and prostaglandin (PGE 1) in the MSH-induced activation of adenylate cyclase in Xenopus laevis. Veerdonk FC van de, et al. **Biochem Biophys Res Commun** 52:130-6, 1 May 73

Stimulation of insulin secretion after prostaglandin PGE 1 in the anesthetized dog. Lefebvre PJ, et al. **Biochem Pharmacol** 22:1773-9, 15 Jul 73

Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP. Polgar P, et al. **Biochim Biophys Acta** 297:378-83, 28 Feb 73

Effect of orally administered prostaglandin E 2 and its 15-methyl analogues on gastric secretion. Karim SM, et al. **Br Med J** 1:143-6, 20 Jan 73

The response of the ductus arteriosus to prostaglandins. Coceani F, et al. **Can J Physiol Pharmacol** 51:220-5, Mar 73

Investigation of certain haematologic parameters in rats treated with prostaglandins (E 1 , E 2 , A 1 , A 2 , Resp.). Somova L, et al. **Cor Vasa** 15:125-35, 1973

Plasma growth hormone in the anesthetized rat. Effects of dibutyryl cyclic AMP, prostaglandin E 1 , adrenergic agents, vasopressin, chlorpromazine, amphetamine and L-dopa. Kato Y, et al. **Endocrinology** 93:135-46, Jul 73

Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Mason NR, et al. **Endocrinology** 93:34-41, Jul 73

Effect of prostaglandin E 2 on central and peripheral catecholamine neurons. Bergström S, et al. **Eur J Pharmacol** 21:362-8, Mar 73

Efficiency and survival of the corneal endothelial pump. Dikstein S. **Exp Eye Res** 15:639-44, 10 May 73

Influence of prostaglandins on cation movement in the lens. Paterson CA, et al. **Exp Eye Res** 15:767-78, 24 May 73

Effect of prostaglandin F 2 on the secretion of pancreatic juice induced by secretin and by dopamine. Iwatsuki K, et al. **Experientia** 29:319-20, 15 Mar 73

Feeding elicited in sheep by intrahypothalamic injections of PGE 1 . Martin FH, et al. **Experientia** 29:306-7, 15 Mar 73

Effects of prostaglandins PGE 1 and PGF 2 alpha on oxygen consumption, sodium and potassium content of renal tissue. Rabito CA, et al. **Experientia** 29:673-5, 15 Jun 73

Effect of prostaglandin E 1 on glucose, water, and electrolyte absorption in the human jejunum. Matuchansky C, et al. **Gastroenterology** 64:1111-8, Jun 73

LIBRARY U. OF L. URBANA-CHAMPAIGN

APPENDIX

Prostaglandins and the gastrointestinal tract. Waller SL. **Gut** 14:402-17, May 73 (206 ref.)

Potential uses of prostaglandins in control of reproductive cycles of domestic animals. Inskeep EK. **J Anim Sci** 36:1149-57, Jun 73 (75 ref.)

Plasmin-induced platelet aggregation and platelet release reaction. Effects on hemostasis. Niewiarowski S, et al. **J Clin Invest** 22:1647-59, Jul 73

Effect of intravenous prostaglandin E 2 on platelet function, coagulation, and fibrinolysis. Howie PW, et al. **J Clin Pathol** 26:355-8, May 73

Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat. Lamprecht SA, et al. **J Endocrinol** 57:217-33, May 73

Antigen-T lymphocyte interactions: inhibition by cytochalasin B. Henney CS, et al. **J Immunol** 111:85-90, Jul 73

Prevention of MIF activity by agents known to increase cellular cyclic AMP. Koopman WJ, et al. **J Immunol** 110:1609-14, Jun 73

Immunologic release of histamine and slow reacting substance of anaphylaxis from human lung. V. Effects of prostaglandins on release of histamine. Tauber AI, et al. **J Immunol** 111:27-32, Jul 73

Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers. Fried J, et al. **J Med Chem** 16:429-30, Apr 73

Vasodepressor action of prostaglandins A 2 and E 2 in the spontaneously hypertensive rat (SH rat): evidence for an action mediated by the vagus. Leach BE, et al. **J Pharmacol Exp Ther** 185:479-85, Jun 73

The hypothermic effect of tetrodotoxin in the unanaesthetized cat. Clark WG, et al. **J Physiol (Lond)** 230:477-92, Apr 73

Control of the mare's oestrous cycle by prostaglandins. Allen WR, et al. **J Reprod Fertil** 33:539-43, Jun 73

The effects of endogenous compounds on ovine myometrial contractility and adenyl cyclase system. Rossier G, et al. **J Reprod Fertil** 33:362-3, May 73

Evidence for a new class of uterine stimulants in rat semen and male accessory gland secretions. Ventura WP, et al. **J Reprod Fertil** 33:507-11, Jun 73

Induction of abortion by combined intra-amniotic urea and prostaglandin E 2 or prostaglandin E 2 alone. Craft I. **Lancet** 1:1344-6, 16 Jun 73

Activation and inhibition of blood platelet adenylate cyclase by adenosine or by 2-chloroadenosine. Haslam RJ, et al. **Life Sci [II]** 11:1143-54, 8 Dec 72

Observations on the control and release of growth hormone in plasma. Kato Y, et al. **Mt Sinai J Med NY** 40:382-401, May-Jun 73 (101 ref.)

Effect of intravenous prostaglandin F 2 on small intestinal function in man. Cummings JH, et al. **Nature** 243:169-71, 18 May 73

Effects of hypotensive doses of prostaglandin A 1 on plasma glucose, free fatty acids and insulin in reserpinized dogs. Saccà L, et al. **Pharmacology** 9:159-63, 1973

Prostaglandins and food intake of rats: a component of energy balance regulation? Baile CA, et al. **Physiol Behav** 10:1077-85, Jun 73

Detection and isolation of an endoperoxide intermediate in prostaglandin biosynthesis. Hamberg M, et al. **Proc Natl Acad Sci USA** 70:899-903, Mar 73

Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells. Kram R, et al. **Proc Natl Acad Sci USA** 70:1432-6, May 73

Cytochalasin B: effect on lysosomal enzyme release from human leukocytes. Zurier RB, et al. **Proc Natl Acad Sci USA** 70:844-8, Mar 73

Acute anterior uveitis and prostaglandins. Whitelocke RA, et al. **Proc R Soc Med** 66:429-34, May 73 (28 ref.)

Effects of prostaglandins PGE 2 and PGF 2 on the adenyl cyclase activity of various segments of the immature rabbit oviduct and uterus. Lerner LJ, et al. **Proc Soc Exp Biol Med** 143:536-9, Jun 73

Inactivation of prostaglandins E 2 and A 2 on their single passage through the pulmonary vascular bed in anaesthetized rats. Papanicolaou N, et al. **Rev Can Biol** 31:313-6, Dec 72

Pathophysiologic roles of prostaglandins and the action of aspirin-like drugs. Nakano J, et al. **South Med J** 66:709-23, Jun 73 (154 ref.)

Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Swerdloff RS, et al. **Steroids** 21:703-22, May 73

[Ultrastructural study of anterior pituitary secretion] Pelletier G. **Union Med Can** 102:546-50, Mar 73 (Eng. Abstr.) **(Fre)**

[Effect of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and E 1 and E 2 prostaglandins] Bondani A, et al. **Arch Invest Med (Mex)** 3:Suppl 1:213-28, 1972 (Eng. Abstr.) **(Spa)**

[Effect of E 2 (PGE 2) prostaglandin on the function of the human corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 3:Suppl 1:173-86, 1972 (Eng. Abstr.) **(Spa)**

[Effects of E 2 and F 2 prostaglandins on uterine contractibility] Noriega-Gurra L, et al. **Arch Invest Med (Mex)** 3:Suppl 1:201-12, 1972 (Eng. Abstr.) **(Spa)**

[Clinical pharmacology of E 2 prostaglandin in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex)** 3:Suppl 1:187-20, 1972 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Biochemical physiology of central synapses. Baldessarini RJ, et al. **Annu Rev Physiol** 35:273-304, 1973 (207 ref.)

Prostaglandins and the hypercalcemia of cancer. Raisz LG. **N Engl J Med** 289:214-5, 26 Jul 73

Sympathomimetic inhibition of noradrenaline release: mediated by prostaglandins? Starke K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:111-6, 17 May 73

Prostaglandins and food intake of rats: a component of energy balance regulation? Baile CA, et al. **Physiol Behav** 10:1077-85, Jun 73

Pathophysiologic roles of prostaglandins and the action of aspirin-like drugs. Nakano J, et al. **South Med J** 66:709-23, Jun 73 (154 ref.)

[Prostaglandins and modern research trends in medicine] Förster W. **Dtsch Gesundheitsw** 28:385-90, 1 Mar 73 (125 ref.) **(Ger)**

SECRETION

Some effects of inhibiting endogenous prostaglandin formation on the responses of the cat spleen. Ferreira SH, et al. **Br J Pharmacol** 47:48-58, Jan 73

The lung: an endocrine organ? Said SI. **Jap J Thorac Dis** 11:Suppl:1, Mar 73

Prostaglandins and the hypercalcemia of cancer. Raisz LG. **N Engl J Med** 289:214-5, 26 Jul 73

Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Kaplan EL, et al. **Surgery** 74:21-9, Jul 73

THERAPEUTIC USE

Effects on the neonate of the induction of labor with prostaglandin F 2 and oxytocin. Blackburn MG, et al. **Am J Obstet Gynecol** 116:847-53, 15 Jul 73

Therapeutic abortion by intrauterine infusion of prostaglandin F 2 . Lippert TH, et al. **Arch Gynaekol** 213:197-201, 1973

Prostaglandin E 1 (PGE 1) suppression of adjuvant arthritis. Histopathology. Zurier RB, et al. **Arthritis Rheum** 16:251-7, Mar-Apr 73

Effect of intravenous prostaglandin E 2 on platelet function, coagulation, and fibrinolysis. Howie PW, et al. **J Clin Pathol** 26:355-8, May 73

[Prostaglandins and modern research trends in medicine] Förster W. **Dtsch Gesundheitsw** 28:385-90, 1 Mar 73 (125 ref.) **(Ger)**

[Hydatidiform mole (symposium by invitation)] **Geburtshilfe Frauenheilkd** 33:338-60, May 73 **(Eng.** Abstr.) **(Ger)**

TOXICITY

Control of the mare's oestrous cycle by prostaglandins. Allen WR, et al. **J Reprod Fertil** 33:539-43, Jun 73

URINE

Increased synthesis of prostaglandins in the guinea pig following scalding injury. Hamberg M, et al. **Acta Physiol Scand** 87:240-5, Feb 73

The metabolism of prostaglandin F 3 in the rat. Dimov V, et al. Biochim Biophys Acta 306:257-69, 24 May 73

RECEPTORS, HORMONE

Chemical mediation of hormone action. Bitensky MW, et al. Annu Rev Med 23:263-84, 1972 (180 ref.)
Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)
Stimulation in vitro of prostatic ribonucleic acid polymerase by 5 -dihydrotestosterone-receptor complexes. Davies P, et al. Biochem Biophys Res Commun 53:373-82, 17 Jul 73
Cortisol receptors in rabbit fetal lung. Giannopoulos G, et al. Biochem Biophys Res Commun 47:411-8, 28 Apr 72
Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase. Haksar A, et al. Biochem Biophys Res Commun 52:959-66, 8 Jun 73
The principal glucocorticoid binding macromolecule in hepatoma cells in culture is similar to corticosteroid binder II of rat liver cytosol. Singer S, et al. Biochem Biophys Res Commun 52:943-50, 8 Jun 73
A filter assay for steroid hormone receptors. Santi DV, et al. Biochemistry 12:2412-6, 19 Jun 73
Estrogen receptors in the rat uterus. Relationship between cytoplasmic and nuclear forms of the estrogen binding protein. Stancel GM, et al. Biochemistry 12:2137-41, 22 May 73
Estrogen receptors in the rat uterus. Multiple forms produced by concentration-dependent aggregation. Stancel GM, et al. Biochemistry 12:2130-6, 22 May 73
Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Engelsman E, et al. Br Med J 2:750-2, 30 Jun 73
Physiological receptors as physicochemical entities. Lefkowitz RJ, et al. Circ Res 32:Suppl 1:46-52, 5 May 73 (57 ref.)
Parathyroid hormone receptor in bovine kidney cortex plasma membranes. Sutcliffe HS, et al. Clin Sci 44:25P-26P, Jun 73
Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy. Figarová V, et al. Endocrinol Exp (Bratisl) 7:85-8, 1973
Intranuclear receptor for androgens in rat epididymis. Blaquier JA, et al. Endocrinology 93:51-60, Jul 73
Progesterone and corticosterone binding in rabbit uterine cytosols. Faber LE, et al. Endocrinology 93:74-80, Jul 73
The action of a human uterine protease on the estrogen receptor. Notides AC, et al. Endocrinology 93:210-6, Jul 73
TRF and thyroid hormones on prolactin secretion by rat anterior pituitary cells in vitro. Vale W, et al. Endocrinology 93:26-33, Jul 73
Evidence for an insulin receptor in muscle. Renner R. FEBS Lett 32:87-90, 15 May 73
Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life. Sawyer WH. Fed Proc 31:1609-14, Nov-Dec 72
Inhibitors of proteolysis and glucose uptake by diaphragm muscle in vitro under insulin action. Felix JM, et al. Horm Metab Res 5:89-93, Mar 73
Thyroid hormone binding to the anterior pituitary gland. Toccafondi RS, et al. Horm Metab Res 5:62, Jan 73
The binding of thyrotropin to isolated bovine thyroid plasma membranes. Amir SM, et al. J Biol Chem 248:4092-100, 10 Jun 73
Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G. J Biol Chem 248:3876-83, 10 Jun 73
Glucocorticoid receptors in lung. II. Specific binding of glucocorticoids to nuclear components of rabbit fetal lung. Giannopoulos G, et al. J Biol Chem 248:5016-23, 25 Jul 73
Preparation and characterization of plasma membranes from bovine corpus luteum. Gospodarowicz D. J Biol Chem 248:5050-6, 25 Jul 73
Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. Gospodarowicz D. J Biol Chem 248:5042-9, 25 Jul 73
Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase. Harwood JP, et al. J Biol Chem 248:4901-4, 25 Jul 73
Glucagon stimulation of adenylate cyclase sulfhydryl reactivity. Evidence for hormone-induced conformational changes. Storm DR, et al. J Biol Chem 248:5208-10, 25 Jul 73
Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al. J Clin Invest 22:1715-25, Jul 73
Characterization of the specific androgen receptors in the human prostate gland. Mainwaring WI, et al. J Endocrinol 57:371-84, Jun 73
Steroid hormones and their receptors. Thomas PJ. J Endocrinol 57:333-59, May 73
In vivo and in vitro testosterone metabolism by the androgen insensitive rat. Bullock LP, et al. J Steroid Biochem 4:139-51, Mar 73
Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver. Kappus H, et al. J Steroid Biochem 4:121-8, Mar 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 1:888, 21 Apr 73
Gastrointestinal hormones. Katz J. Med Clin North Am 57:893-905, Jul 73 (96 ref.)
Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Oppenheimer JH. Mt Sinai J Med NY 40:491-501, May-Jun 73
Oestrogen receptor binding is not restricted to target nuclei. Chamness GC, et al. Nature 243:458-60, 16 Feb 73
Isolation and characterization of hormone receptors. Cuatrecasas P. Neurosci Res Program Bull 11:215-9, Jun 73
Molecular mechanisms of hormone receptors. Rodbell M. Neurosci Res Program Bull 11:211-5, Jun 73
Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al. Proc Natl Acad Sci USA 70:792-6, Mar 73
Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Keefer DA, et al. Proc Soc Exp Biol Med 143:414-7, Jun 73
Cellular responses to cyclic AMP. Bitensky MW, et al. Prog Biophys Mol Biol 26:409-61, 1973 (359 ref.)
Radioreceptor assay for prolactin and other lactogenic hormones. Shiu RP, et al. Science 180:968-71, 1 Jun 73
Reduced high affinity 5 -dihydrotestosterone receptor capacity in the ventral prostate of the aging rat. Shain SA, et al. Steroids 21:801-12, Jun 73
[5 S estradiol receptor, acid protein of the nucleus and nucleoplasmic RNA polymerase in cow endometrium] Andress D, et al. C R Acad Sci [D] (Paris) 276:97-9, 3 Jan 73 (Fre)
[Application of the occupation theory to renal receptors of lysine vasopressine coupled to adenylcyclase. Study using tritiated vasopressin] Bockaert J, et al. C R Acad Sci [D] (Paris) 276:649-52, 22 Jan 73 (Fre)
[Increase in the activity of 5 alpha-steroid reductase and 3 alpha-hydroxysteroid deshydrogenase in anterior pituitary cytoplasm in the castrated rat] Nguyen-Cong-Thien M, et al. C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 (Fre)
[Sodium thioglycolate and hypothalamo-neurohypophysial hormones] Holder FC. Experientia 29:487-8, 15 Apr 73 (Fre)
[Fixation of tritiated female gonadal hormones in the hypothalamus of the rabbit: microelectrophysiological correlations] Dufy B, et al. J Physiol (Paris) 65:Suppl 3:393A, 1972 (Fre)
[Hormonal determination of human androgenicity. Value of urinary determination of androstanediol and testosterone] Mauvais-Jarvis P, et al. Nouv Presse Med 2:1565-9, 9 Jun 73 (Fre)
[Role of cyclic AMP in the mechanical activity of smooth muscle] Meyer P. Nouv Presse Med 2:1651-4, 16 Jun 73 (Fre)
[Gestagens and uterine neoplasms] Ravina JH. Nouv Presse Med 2:1665-6, 16 Jun 73 (Fre)
[Endocrinology in 1973] Bricaire H, et al. Rev Prat 23:825-63, 21 Feb 73 (Fre)
[Current data on plasmatic androgens] Mahoudeau JA, et al. Rev Prat 23:881-91, 21 Feb 73 (Fre)
[Uptake and inactivation of ACTH in isolated fat cells] Baumann JB, et al. Schweiz Med Wochenschr 103:845-7, 9 Jun 73 (Eng. Abstr.) (Ger)
[Estradiol binding in normal and neoplastic tissue] Pasko Z, et al. Nowotwory 23:15-24, Jan-Jun 73 (Eng. Abstr.) (Pol)
[Receptors of steroid hormones] Kahl A. Postepy Biochem 19:171-93, 1973 (Pol)

LIBRARY U. OF I., URBANA-CHAMPAIGN

DRUG EFFECTS

Estrogen receptors in the rat uterus. Multiple forms produced by concentration-dependent aggregation. Stancel GM, et al. **Biochemistry** 12:2130-6, 22 May 73

Gonadotropin receptor of a mouse l·ıteoma: interactions with lutein'zing hormone (LH) and its and subunits. Cole FE, et al. **Biol Reprod** 8:550-9, Jun 73

Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung. Giannopoulos G. **J Biol Chem** 248:3876-83, 10 Jun 73

Uptake and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (HIOMT) activity. Nagle CA, et al. **Life Sci [II]** 11:1109-16, 22 Nov 72

Mode of action of hallucinogenic molecules. Berridge MJ, et al. **Nature [New Biol]** 243:283-4, 27 Jun 73

Affinity binding of intact fat cells and their ghosts to immobilized insulin. Soderman DD, et al. **Proc Natl Acad Sci USA** 70:792-6, Mar 73

Estrogen-binding to pancreas. Kirdani RY, et al. **Surgery** 74:84-90, Jul 73

[Regulation by progesterone of the concentration of its uterine receptors] Thi L, et al. **C R Acad Sci [D] (Paris)** 276:2281-4, 9 Apr 73 (Fre)

TOXOHORMONE

PHARMACODYNAMICS

The action of the Walker 256 carcinoma and toxohormone on amino acid incorporation into diaphragm protein. Goodlad GA, et al. **Eur J Cancer** 9:139-45, Feb 73

HORMONES, ECTOPIC Continued

ACTH and calcitonin secreting medullary carcinoma of the thyroid. Croughs RJ, et al. Clin Endocrinol (Oxf) 1:157-71, Ap 72.

REVIEW SECTION

ADRENAL CORTEX HORMONES

PHARMACODYNAMICS

Corticosteroid-induced parturition in domestic animals. Jöchle W.
Annu Rev Pharmacol 13:33-55, 1973 (158 ref.)

PHYSIOLOGY

Ablation therapy for hormone-dependent tumors. Dao TL. **Annu Rev Med 23:1-18, 1972 (83 ref.)**

ADRENAL GLANDS

CYTOLOGY

[Stereology and dynamics of the mitochondrial population--with special reference to adrenocortical mitochondria] Yago N, et al.
J Jap Biochem Soc 45:71-87, Feb 73 (43 ref.) (Jap)

ENZYMOLOGY

Ascorbate stimulation of tyrosine hydroxylase formation. **Nutr Rev 31:93-4, Mar 73 (6 ref.)**

METABOLISM

[Catecholamine metabolism in the hormonal and mediator links of the sympathoadrenal system under stress] Matlina ESh.
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216 ref.) (Rus)

PHYSIOLOGY

[The adrenal cortex] Osawa N.
Clin Endocrinol (Tokyo) 21:19-25, Jan 73 (20 ref.) (Jap)

PHYSIOPATHOLOGY

[The state of the sympathetic-adrenal system in congestive heart failure] Korochkin IM, et al.
Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)

ADRENAL MEDULLA

CYTOLOGY

Notes on synaptic vesicles and related structures, endoplasmic reticulum, lysosomes and peroxisomes in nervous tissue and the adrenal medulla. Holtzman E, et al.
J Histochem Cytochem 21:349-85, Apr 73 (221 ref.)

ALDOSTERONE

PHARMACODYNAMICS

Renal pharmacology, with special emphasis on aldosterone and angiotensin. Gross F, et al.
Annu Rev Pharmacol 13:57-90, 1973 (307 ref.)

PHYSIOLOGY

The role of aldosterone in renal physiology. Knochel JP, et al. **Arch Intern Med 131:876-84, Jun 73 (106 ref.)**
[Blood volume receptors and neuro-hormonal regulation of blood volume] Annat G, et al.
Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Eng. Abstr.) (Fre)

ANDROGENS

THERAPEUTIC USE

Androgens and erythropoiesis. Shahidi NT.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)

BONE AND BONES

ANALYSIS

A review of biochemical studies on the genetically distinct collagens of the skeletal system. Miller EJ.
Clin Orthop 92:260-80, May 73 (83 ref.)

CALCIUM

METABOLISM

Heart: excitation-contraction coupling. Langer GA.
Annu Rev Physiol 35:55-86, 1973 (117 ref.)
The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D_3, a calcium-mobilizing hormone. DeLuca HF.
N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)
Divalent ion metabolism and the kidney. Parsons V.
Nephron 10:157-73, 1973 (82 ref.)
Calcium metabolism and secretion of gastric juice. Hart W, et al. **Neth J Med 16:29-37, 1973 (93 ref.)**
Carbonic anhydrase and bone resorption.
Nutr Rev 31:101-2, Mar 73 (2 ref.)

PHARMACODYNAMICS

Calcium and gastric secretion. Barreras RF.
Gastroenterology 64:1168-84, Jun 73 (103 ref.)

URINE

The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Massry SG, et al.
Nephron 10:66-112, 1973 (238 ref.)

CONTRACEPTIVES, ORAL

Contraceptive steroids: modifications of carbohydrate and lipid metabolism. Beck P.
Metabolism 22:841-55, Jun 73 (65 ref.)

ADVERSE EFFECTS

[Hair-growth disorders in relation to pregnancy and hormonal contraception] Zaun H.
Z Geburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Eng. Abstr.) (Ger)

CONTRACEPTIVES, POSTCOITAL

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)

LIBRARY OF U. OF I., URBANA-CHAMPAIGN

CORTICOTROPIN

SECRETION

[Central nervous system and the secretion of ACTH (a review of the literature)] Kolebinov NKhr. Vutr Boles 12:7-15, 1973 (Bul)

CRETINISM

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)

CUSHING'S SYNDROME

PATHOLOGY

[Pathology of Cushing's syndrome] Saeger W, et al. Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)

DIABETES INSIPIDUS

DRUG THERAPY

Diuretics in nonedematous states. Physiological basis for the clinical use. Martinez-Maldonado M, et al. Arch Intern Med 131:797-808, Jun 73 (111 ref.)

ENDOCRINE DISEASES

COMPLICATIONS

Endocrine disorders of growth in stature. Raiti S. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)

[Muscular dystrophies of metabolic and endocrine origin] Pages A, et al. Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Eng. Abstr.) (Fre)

ENDOCRINE GLANDS

PHYSIOLOGY

[Seasonal rhythms in the functioning of the endocrine system of hibernating mammals] Kolpakov MG, et al. Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)

SURGERY

Ablation therapy for hormone-dependent tumors. Dao TL. Annu Rev Med 23:1-18, 1972 (83 ref.)

ESTROGENS

BIOSYNTHESIS

Estrogen assessments in the high-risk pregnancy. Lundy LE, et al. Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)

ETHINYL ESTRADIOL

The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action. Blye RP. Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)

FSH

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al. Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

SECRETION

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. Annu Rev Physiol 35:357-90, 1973 (175 ref.)

GONADOTROPINS

[Current trend in the chemical study of gonadal gland stimulating hormones] Okumura H. Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)

GONADOTROPINS, PITUITARY

SECRETION

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

HORMONES

METABOLISM

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al. Indian J Cancer 10:111-23, Mar 73 (131 ref.)

[Cyclic 3',5'-adenosinemonophosphate (c-AMP)] Mohn G. Australas Radiol 22:1761-6, Oct 72 (45 ref.) (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Chemical mediation of hormone action. Bitensky MW, et al. Annu Rev Med 23:263-84, 1972 (180 ref.)

PHYSIOLOGY

Endocrine relationships between nematodes and their insect hosts--a review. Davey KG, et al. Exp Parasitol 33:212-25, Apr 73 (90 ref.)

[Cyclic adenosine-3',5'-monophosphate as the intracellular mediator of hormonal action] Pawlikowski M, et al. Endokrynol Pol 24:105-32, 1973 (136 ref.) (Pol)

[Hormones and their role in regulating metabolism in cold-blooded vertebrates] Leibson LG, et al. Usp Fiziol Nauk 3:26-44, Oct-Dec 72 (143 ref.) (Rus)

[Hormonal regulation of early mammalian embryogenesis] Baevskii IuB, et al. Usp Sovrem Biol 75:265-77, Mar-Apr 73 (94 ref.) (Rus)

HYDROXYDOPAMINE

PHARMACODYNAMICS

The pharmacology of 6-hydroxydopamine. Thoenen H, et al. Annu Rev Pharmacol 13:169-80, 1973 (118 ref.)

HYPERALDOSTERONISM

DIAGNOSIS

Aldosteronism updated. Weinberger MH, et al. J Urol 110:1-5, Jul 73 (19 ref.)

HYPERPARATHYROIDISM

Primary hyperparathyroidism. Burcharth F, et al. Acta Chir Scand [Suppl] 433:169-77, 1973 (30 ref.)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. Annu Rev Physiol 35:357-90, 1973 (175 ref.)

PHYSIOLOGY

[Mesencephalo-hypothalamo-limbic regulation of the secretion of hypophyseal gonadotropins] Griño E. Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Eng. Abstr.) (Rus)

HYPOTHALAMUS

PHYSIOLOGY

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al. Annu Rev Physiol 35:357-90, 1973 (175 ref.)

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid

pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)

SECRETION

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)

HYPOTHYROIDISM

PHYSIOPATHOLOGY

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)

LH

Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status. Saxena BB, et al.
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)

SECRETION

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

OVARY

EMBRYOLOGY

Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

PHYSIOLOGY

[Female gonadal gland] Nakayama T.
Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)

OXYTOCIN

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)

PARATHYROID HORMONE

BLOOD

Blood levels of parathyroid hormone in disorders of calcium metabolism. Reiss E, et al.
Annu Rev Med 24:217-32, 1973 (103 ref.)

PINEAL BODY

PHYSIOLOGY

Comparative physiology: pineal gland. Reiter RJ.
Annu Rev Physiol 35:305-28, 1973 (108 ref.)

PITUITARY-ADRENAL SYSTEM

[Catecholamines and the development of the hypophyseal-adrenocortical system in the newborn] Shchedrina RN.
Probl Endokrinol (Mosk) 19:114-20, Mar-Apr 73 (98 ref.) (Rus)

PITUITARY GLAND

METABOLISM

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)

PHYSIOPATHOLOGY

Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Beckers C. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)

SECRETION

Hypothalamic control of adenohypophysial secretions. Blackwell RE, et al.
Annu Rev Physiol 35:357-90, 1973 (175 ref.)

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

PITUITARY HORMONE RELEASING FACTORS

Clinical applications of hypothalamic-releasing factors. Fleischer N, et al.
Adv Intern Med 18:303-23, 1972 (38 ref.)

PHYSIOLOGY

Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)

PITUITARY HORMONES

SECRETION

[Pituitary hormones] Matsukura S, et al.
Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)

PLACENTA

BLOOD SUPPLY

[Theoretical and clinical aspects of artificial placental blood circulation] Nadirashvili SA.
Usp Fiziol Nauk 3:116-42, Apr-Jun 72 (98 ref.) (Rus)

METABOLISM

How impervious is the placental barrier? Beck CC.
Vet Med Small Anim Clin 68:468-80, May 73 (130 ref.)

PLACENTAL LACTOGEN

BLOOD

Human placental lactogen in high-risk pregnancy. Spellacy WN.
Clin Obstet Gynecol 16:298-312, Mar 73 (36 ref.)

PHYSIOLOGY

Human chorionic somatomammotrophin and its clinical significance. Hartog M.
Clin Endocrinol (Oxf) 1:208-18, Apr 72 (85 ref.)

PROLACTIN

The clinical endocrinology of prolactin. Turkington RW. Adv Intern Med 18:363-87, 1972 (97 ref.)

ANALYSIS

Human prolactin. Friesen H, et al.
Annu Rev Med 24:251-70, 1973 (89 ref.)

METABOLISM

Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes. Floss HG, et al.
J Pharm Sci 62:699-715, May 73 (200 ref.)

PHYSIOLOGY

Prolactin and osmoregulation in fishes. Ensor DM, et al.
Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)

SECRETION

Human prolactin. Daughaday WH, et al.
Ergeb Physiol 67:169-94, 1972 (102 ref.)

RENAL OSTEODYSTROPHY

ETIOLOGY

[Osteosis and hemodialysis] Yamaguchi A, et al.
Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)

RENIN

BLOOD

A model of the human circulation. Regulation by autonomic nervous system and renin-angiotensin

LIBRARY U. OF I., URBANA-CHAMPAIGN

system, and influence of blood volume on cardiac output and blood pressure. Luetscher JA, et al.
Circ Res 32:Suppl 1:84-98, 5 May 73 (59 ref.)

PHYSIOLOGY

The physiology of renin. Stein JH, et al.
Arch Intern Med 131:860-72, Jun 73 (158 ref.)
Renin and hypertension: a review article. Jones J.
Cent Afr J Med 19:83-4 passim, Apr 73

SEX CHROMATIN

Some hormonal and genetic aspects of human breast cancer--a review. Rajendran KG, et al.
Indian J Cancer 10:111-23, Mar 73 (131 ref.)

SEX CHROMOSOMES

X-linked recessive disorders: chronic granulomatous disease and Wiskott-Aldrich syndrome. Mauer AM.
J Invest Dermatol 60:522-8, Jun 73 (35 ref.)
Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

SOMATOTROPIN

BLOOD

Observations on the control and release of growth hormone in plasma. Kato Y, et al.
Mt Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)
Growth and growth hormone in protein calorie malnutrition. Pimstone B, et al.
S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)

SECRETION

Neural regulation of growth hormone secretion. Martin JB.
N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)
Nervous control of growth hormone secretion. Müller EE.
Neuroendocrinology 11:338-69, 1973 (186 ref.)

TESTIS

EMBRYOLOGY

Genetic control of sexual difference. Federman DD.
Prog Med Genet 9:215-35, 1973 (102 ref.)

PHYSIOLOGY

[Male gonadal gland] Ochiai K, et al.
Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) (Jap)
[Hemato-testicular barrier] Raĭtsina SS, et al.
Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)

THYROCALCITONIN

THERAPEUTIC USE

Calcitonin in the treatment of Paget's disease of bone. Johnston CC Jr.
Ann Intern Med 76:665-6, Apr 72 (11 ref.)

THYROID DISEASES

PHYSIOPATHOLOGY

Evolving concepts of thyroid function. Bartuska DG, et al.
Med Clin North Am 57:1117-33, Jul 73 (67 ref.)

THYROID GLAND

PHYSIOLOGY

[Thyroid function and hypothyroidism] Ogura H.
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 ref.) (Jap)
[The impotance of direct neural impulses in the regulation of the thyroid gland] Aleshin BV.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) (Ukr)

PHYSIOPATHOLOGY

Evolving concepts of thyroid function. Bartuska DG, et al.
Med Clin North Am 57:1117-33, Jul 73 (67 ref.)

THYROID GLAND FUNCTION TESTS

Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)

THYROID HORMONES

PHYSIOLOGY

Effects of hormones and nutrition on brain development. Balázs R.
Adv Exp Med Biol 30:385-415, 1972 (85 ref.)

THYROTROPIN RELEASING FACTOR

ANALYSIS

Conformational analysis of thyrotropin releasing factor. Burgess AW, et al.
Proc Natl Acad Sci USA 70:1456-60, May 73 (31 ref.)

SECRETION

Thyrotropin releasing hormone: secretion and actions. Wilber JF.
Annu Rev Med 24:353-64, 1973 (98 ref.)

THYROXINE

METABOLISM

Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)

THYROXINE-BINDING PROTEIN

METABOLISM

Inherited variations in thyroxine transport. Robbins J.
Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.)

TRANSCORTIN

PHYSIOLOGY

[Transcortin in health and disease] Vakov L.
Vutr Boles 12:1-8, 1973 (Bul)

VASOPRESSIN

Synthetic analogs of oxytocin and the vasopressins. Sawyer WH, et al.
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
[The antidiuretic hormone (ADH)] Wagner H, et al.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)

PHARMACODYNAMICS

Clinical disorders of urine concentration and dilution. Harrington JT, et al.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)

PHYSIOLOGY

[Blood volume receptors and neuro-hormonal regulation of blood volume] Annat G, et al.
Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Eng Abstr.) (Fre)

VITAMIN D

METABOLISM

[Vitamin D metabolism and chronic kidney insufficiency] Schaefer K, et al.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref. (Ger

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation & purification, and urine).

ASCORBIC ACID

nproved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study. Prasad VK, et al. J Pharm Sci 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

ANALYSIS

chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al. Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

AUTOANALYSIS

miautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW. Clin Chem 19:706-9, Jul 73
ALCOHOL, METHYL/ ALKANES/ AMMONIUM COMPOUNDS/ *ANDROSTANES, urine/ ANDROSTERONE, urine/ AUTOANALYSIS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ COLORIMETRY/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ NITROBENZENES/ TRITIUM

mparison of automated chemical determination of asma hormonal iodine and thyroxinemia measured competition (T4 test)] Jaffiol C, et al. ev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. bstr.) (Fre)
AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN BINDING/ REGRESSION ANALYSIS/ THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

AUTORADIOGRAPHY

Ultrastructural identification of catecholamine-containing central synaptic terminals. Bloom FE.
J Histochem Cytochem 21:333-48, Apr 73 (101 ref.)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN, drug effects/ BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CENTRAL NERVOUS SYSTEM, analysis/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ METHODS/ MICROSCOPY, ELECTRON/ NEURONS, analysis/ POTASSIUM PERMANGANATE/ RATS/ REVIEW/ STAINS AND STAINING/ *SYNAPSES, analysis/ SYNAPTIC VESICLES, analysis

BIOLOGICAL ASSAY

Antidiuretic assay for vasopressin. Szczepańska-Sadowska E, et al.
Acta Physiol Pol 24:479-83, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DIURESIS/ ELECTRONICS, MEDICAL/ MALE/ METHODS/ RATS/ *VASOPRESSIN, analysis

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al.
Clin Endocrinol (Oxf) 1:219-33, Jul 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ DENSITOMETRY/ FEMALE/ FREEZING/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ ORGAN CULTURE

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al.
Endocrinology 92:1652-9, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ CASTRATION/ ELECTROPHORESIS, DISK/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOTOPE LABELING/ MACACA/ MENSTRUATION/ METHODS/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, analysis/ *RADIOIMMUNOASSAY

Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance. Peña C, et al. FEBS Lett 27:338-40, 1 Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *CARTILAGE/ CATTLE/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ MALE/ METHODS/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ *THIOCYANATES/ *TIBIA

[Radioimmunoassay of plasma renin activity--comparison with biological method (improved Skinner's method)] Nishizawa C, et al.

LIBRARY U. OF I., URBANA-CHAMPAIGN

Clin Endocrinol (Tokyo) 20:971-5, Nov 72 (Jap)
ANGIOTENSIN, blood/ *BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

BODY WEIGHT

Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance. Peña C, et al. FEBS Lett 27:338-40, 1 Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *CARTILAGE/ CATTLE/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ MALE/ METHODS/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ *THIOCYANATES/ *TIBIA

The effect of fractionating the caloric intake on weight, serum lipids, post-prandial blood sugar, serum insulin and the oral glucose tolerance test in the normal adult. Debry G, et al. Horm Metab Res 5:222-3, May 73
ADULT/ *BLOOD SUGAR/ *BODY WEIGHT/ CALORIMETRY/ CHOLESTEROL, blood/ *DIET/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ *LIPIDS, blood/ MALE/ METHODS/ MIDDLE AGE/ PHOSPHOLIPIDS, blood/ TRIGLYCERIDES, blood

CALORIMETRY

The effect of fractionating the caloric intake on weight, serum lipids, post-prandial blood sugar, serum insulin and the oral glucose tolerance test in the normal adult. Debry G, et al. Horm Metab Res 5:222-3, May 73
ADULT/ *BLOOD SUGAR/ *BODY WEIGHT/ CALORIMETRY/ CHOLESTEROL, blood/ *DIET/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ *LIPIDS, blood/ MALE/ METHODS/ MIDDLE AGE/ PHOSPHOLIPIDS, blood/ TRIGLYCERIDES, blood

CHEMISTRY

EDTA prevents the photocatalyzed destruction of the products of catecholamine oxidation. Karasawa T, et al. Anal Biochem 53:278-81, May 73
ALCOHOL, ETHYL/ *CATECHOLAMINES/ CATECHOLAMINES, analysis/ CHEMISTRY/ *EDTA/ FLUORESCENCE SPECTROMETRY/ *INDOLES/ IODINE/ KINETICS/ METHODS/ NOREPINEPHRINE/ OXIDATION-REDUCTION/ PHOTOLYSIS

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. Biochem Med 7:350-62, Jun 73
ADULT/ ANHYDRIDES/ CATTLE/ CHEMISTRY/ CROSS REACTIONS/ DIET/ HUMAN/ HYDROCORTISONE/ *HYDROCORTISONE, blood/ HYDROCORTISONE, chem synthesis/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SUCCINATES/ SUCCINATES, chem synthesis

Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone. Dalmau JM, et al. J Chromatogr 78:165-71, 11 Apr 73
*BETAMETHASONE, isolation & purification/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ *DEXAMETHASONE, isolation & purification/ FLUORESCENCE/ INDICATORS AND REAGENTS/ ISOMERISM/ ISONIAZID/ METHODS/ POLYVINYLPYRROLIDONE/ SOLUBILITY/ SOLVENTS

The histochemical fluorescence method for the demonstration of catecholamines. Theory, practice and application. Fuxe K, et al.
J Histochem Cytochem 21:293-311, Apr 73 (82 ref.)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CHEMISTRY/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICE/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ RATS/ REVIEW

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

CHROMATOGRAPHY

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. Adv Cyclic Nucleotide Res 2:41-50, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALUMINUM/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ KINETICS/ LOBSTERS/ METHODS/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ SPECIES SPECIFICITY

Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al.
Clin Chem 19:718-24, Jul 73
CHOLESTEROL, blood/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ ESTRADIOL, blood/ ESTRONE, blood/ EVALUATION STUDIES/ FATTY ACIDS, NONESTERIFIED, blood/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ PHOSPHOLIPIDS, blood/ PLASMA, analysis/ TRIGLYCERIDES, blood

Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73
*ADRENAL CORTEX HORMONES, analysis/ ADSORPTION/ ALCOHOL, METHYL/ ALDOSTERONE, analysis/ CHLOROFORM/ CHROMATOGRAPHY/ CORTICOSTERONE, analysis/ CORTISONE, analysis/ HYDROCORTISONE, analysis/ METHODS/ SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TETRAHYDROCORTISOL, analysis/ TETRAHYDROCORTISONE, analysis/ TISSUE EXTRACTS, analysis

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. Abraham GE, et al.
J Clin Endocrinol Metab 37:140-4, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ CHROMATOGRAPHY/ CLIMACTERIC/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ *HYDROXYPREGNENOLONE, blood/ IMMUNE

SERUMS/ INFANT, NEWBORN/ MALE/ MENSTRUATION/ METHODS/ PREGNANCY/ *PREGNENOLONE, blood/ PUBERTY/ RADIOIMMUNOASSAY

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

Problems with a radioimmunoassay for testosterone. Tyler JP. J Reprod Fertil 33:357-9, May 73
ANTIGENS/ CATTLE/ CHROMATOGRAPHY/ METHODS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TRITIUM

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PLACENTA, analysis/ PREGNANCY/ TIME FACTORS

A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al.
Rev Fr Endocrinol Clin 13:413-23, Sep-Oct 72 (Eng. Abstr.) (Fre)
ADOLESCENCE/ ADULT/ ANTIBODIES/ ANTIGENS/ CHROMATOGRAPHY/ *ENDOCRINE DISEASES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *STANOLONE, blood/ STANOLONE, metabolism/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism

Isolation of cyclic AMP using an alumina column and the improvement of its method: application of adenyl-cyclase assay] Sato S.
Clin Endocrinol (Tokyo) 21:73-8, Jan 73 (Jap)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ *ADENYL CYCLASE/ ALUMINUM/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ METHODS/ OXIDES

CHROMATOGRAPHY, DEAE-CELLULOSE

Protein binding assays for cyclic nucleotides. Gilman AG. Adv Cyclic Nucleotide Res 2:9-24, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ MUSCLES, analysis/ MUSCLES, enzymology/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ PROTEIN KINASE, antagonists & inhibitors/ RIBONUCLEOTIDES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. Adv Cyclic Nucleotide Res 2:41-50, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALUMINUM/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ KINETICS/ LOBSTERS/ METHODS/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ SPECIES SPECIFICITY

The Ig class and light chain type of the long acting thyroid stimulator. Maisey MN.
Clin Endocrinol (Oxf) 1:189-98, Apr 72
CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IGA, analysis/ *IGG, analysis/ IGM, analysis/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, analysis/ LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ RABBITS, immunology

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

CHROMATOGRAPHY, GAS

Collection and preservation of a 24-h pregnancy urine, for the gas-chromatographic determination of pregnanediol and oestriol. Alink HR.
Clin Chim Acta 45:195, 30 Apr 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

CHROMATOGRAPHY, GAS/ *CIRCADIAN RHYTHM/ DRUG STABILITY/ *ESTRIOL, urine/ FEMALE/ HEAT/ HUMAN/ METHODS/ *PREGNANCY/ *PREGNANEDIOL, urine/ SNAILS/ SPECIMEN HANDLING

Excretion of tetrahydroaldosterone in normal pregnancy. Posadas C, et al.
Clin Chim Acta 45:299-306, 18 May 73
ADOLESCENCE/ ADULT/ ALDOSTERONE, isolation & purification/ *ALDOSTERONE, urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MALE/ METHODS/ *PREGNANCY/ TIME FACTORS/ TRITIUM

Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance. Peña C, et al. FEBS Lett 27:338-40, 1 Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *CARTILAGE/ CATTLE/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ MALE/ METHODS/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ *THIOCYANATES/ *TIBIA

Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROCHEMISTRY/ *PREGNANCY

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PLACENTA, analysis/ PREGNANCY/ TIME FACTORS

A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:865-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Hillier SG, et al.
Steroids 21:735-54, May 73
CATTLE/ CHARCOAL/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SEX FACTORS/ SOLVENTS/ SUCCINATES, analysis/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

[Fractionation of 17-KS and measurement of pregnanediol and pregnanetriol by gas chromatography] Funao T, et al.
Clin Endocrinol (Tokyo) 20:1007-13, Nov 72 (Jap)
*CHROMATOGRAPHY, GAS/ HUMAN/ *17-KETOSTEROIDS, urine/ METHODS/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ UROLOGIC DISEASES, urine

CHROMATOGRAPHY, ION EXCHANGE

High-pressure anion exchange chromatography and enzymatic isotope displacement assays for cyclic AMP and cyclic GMP. Brooker G.
Adv Cyclic Nucleotide Res 2:111-29, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ FROGS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ KINETICS/ MALE/ METHODS/ MYOCARDIUM, analysis/ PERFUSION/ PHOSPHODIESTERASES/ PHOSPHORUS ISOTOPES/ PRESSURE/ RATS/ TRITIUM

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ DIET/ FASTING/ HUMAN/ KINETICS/ LIVER, analysis/ MATHEMATICS/ METHODS/ PHOSPHODIESTERASES/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM

The luminescence assay of cyclic AMP. Johnson RA.
Adv Cyclic Nucleotide Res 2:81-7, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ FLUORESCENCE SPECTROMETRY/ LUCIFERASE/ LUCIFERIN/ LUMINESCENCE/ METHODS/ TRITIUM

An assay method for cyclic AMP and cyclic GMP based upon their abilities to activate cyclic AMP-dependent and cyclic GMP-dependent protein kinases. Kuo JF, et al. Adv Cyclic Nucleotide Res 2:41-50, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALUMINUM/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ KINETICS/ LOBSTERS/ METHODS/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ SPECIES SPECIFICITY

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/

ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CYCLIC P-OXIDES, chem synthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE ISOTOPES/ METHODS/ ORGAN SPECIFICITY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ RIBONUCLEOTIDES, chem synthesis/ SERUM ALBUMIN/ SUCCINATES/ SUCCINATES, chem synthesis/ URACIL NUCLEOTIDES

Column chromatographic separation of acidic and neutral and basic metabolites of tyrosine and dihydroxyphenylalanine. Martin WE, et al.
Anal Biochem 53:177-83, May 73
ALCOHOL, ETHYL, isolation & purification/ BENZOATES, isolation & purification/ CARBON ISOTOPES/ CATECHOLAMINES, isolation & purification/ CHROMATOGRAPHY, ION EXCHANGE/ *DOPA, isolation & purification/ GLYCOLS, isolation & purification/ HOMOGENTISIC ACID, isolation & purification/ LACTATES, isolation & purification/ MANDELIC ACID, isolation & purification/ METHODS/ PHENOLS, isolation & purification/ PHENYLACETATES, isolation & purification/ PHENYLPYRUVIC ACID, isolation & purification/ TRITIUM/ TYRAMINE, isolation & purification/ *TYROSINE, isolation & purification

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW.
Clin Chem 19:706-9, Jul 73
ALCOHOL, METHYL/ ALKANES/ AMMONIUM COMPOUNDS/ *ANDROSTANES, urine/ ANDROSTERONE, urine/ AUTOANALYSIS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ COLORIMETRY/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ NITROBENZENES/ TRITIUM

Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. Habener JF, et al.
Clin Chim Acta 45:225-33, 18 May 73
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ DEXTRAN/ DIOXINS/ EVALUATION STUDIES/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROCALCITONIN, blood/ TIME FACTORS

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

CHROMATOGRAPHY, PAPER

Studies about unconjugated androstenediol in human peripheral plasma. Demisch K, et al.
J Clin Endocrinol Metab 37:129-34, Jul 73
ADRENAL GLAND HYPOFUNCTION, blood/ ADRENAL GLAND NEOPLASMS, blood/ AMMONIUM SULFATE/ ANALYSIS OF VARIANCE/ *ANDROSTENES, blood/ BINDING, COMPETITIVE/ CHROMATOGRAPHY, PAPER/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME/ DEXAMETHASONE, diagnostic use/ ETHERS/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HIRSUTISM, blood/ HUMAN/ HYPOGONADISM, blood/ MALE/ METHODS/ TESTOSTERONE, blood/ TRITIUM

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73
ADULT/ CHROMATOGRAPHY, PAPER/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, secretion/ MALE/ METHODS/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion/ TRITIUM

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PLACENTA, analysis/ PREGNANCY/ TIME FACTORS

A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

[Radioimmunoassay of plasma renin activity--comparison with biological method (improved Skinner's method)] Nishizawa C, et al.
Clin Endocrinol (Tokyo) 20:971-5, Nov 72 (Jap)
ANGIOTENSIN, blood/ *BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

INSTRUMENTATION

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/

LIBRARY U. OF I., URBANA-CHAMPAIGN

CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

CHROMATOGRAPHY, THIN LAYER

Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE SPECTROMETRY/ GLUCOSEPHOSPHATE DEHYDROGENASE/ GUANINE NUCLEOTIDES/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HEXOKINASE/ METHODS/ MUSCLES, enzymology/ PHOSPHODIESTERASES/ PHOSPHOTRANSFERASES/ PYRUVATE KINASE/ RABBITS/ TRITIUM

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CYCLIC P-OXIDES, chem synthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE ISOTOPES/ METHODS/ ORGAN SPECIFICITY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ RIBONUCLEOTIDES, chem synthesis/ SERUM ALBUMIN/ SUCCINATES/ SUCCINATES, chem synthesis/ URACIL NUCLEOTIDES

Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method. Mejer LE, et al.
Clin Chem 19:718-24, Jul 73
CHOLESTEROL, blood/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ ESTRADIOL, blood/ ESTRONE, blood/ EVALUATION STUDIES/ FATTY ACIDS, NONESTERIFIED, blood/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ PHOSPHOLIPIDS, blood/ PLASMA, analysis/ TRIGLYCERIDES, blood

Excretion of tetrahydroaldosterone in normal pregnancy. Posadas C, et al.
Clin Chim Acta 45:299-306, 18 May 73
ADOLESCENCE/ ADULT/ ALDOSTERONE, isolation & purification/ *ALDOSTERONE, urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MALE/ METHODS/ *PREGNANCY/ TIME FACTORS/ TRITIUM

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al.
Endocrinology 93:156-61, Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ MACACA/ MALE/ METHODS/ MONKEYS/ OVARY, physiology/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ TESTIS, physiology/ *TESTOSTERONE, blood/ TRITIUM/ UMBILICAL CORD

Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone. Dalmau JM, et al.
J Chromatogr 78:165-71, 11 Apr 73
*BETAMETHASONE, isolation & purification/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ *DEXAMETHASONE, isolation & purification/ FLUORESCENCE/ INDICATORS AND REAGENTS/ ISOMERISM/ ISONIAZID/ METHODS/ POLYVINYLPYRROLIDONE/ SOLUBILITY/ SOLVENTS

Variation in physical dimensions and chemical composition of human stratum corneum. Anderson RL, et al.
J Invest Dermatol 61:30-2, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUTOPSY/ CARBON, analysis/ CELL COUNT/ CHILD/ CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ FEMALE/ *HIP/ HUMAN/ HYDROGEN, analysis/ LIPIDS, analysis/ MALE/ METHODS/ MIDDLE AGE/ NITROGEN, analysis/ *SKIN/ SKIN, analysis/ SKIN, anatomy & histology/ SKIN, cytology

Improved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

Carbon-13 nuclear magnetic resonance spectra of prostaglandins and some prostaglandin analogs. Cooper GF, et al.
Proc Natl Acad Sci USA 70:1579-84, May 73
CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DIAZOMETHANE/ ESTERS/ METHODS/ MOLECULAR CONFORMATION/ *NUCLEAR MAGNETIC RESONANCE/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Hillier SG, et al.
Steroids 21:735-54, May 73
CATTLE/ CHARCOAL/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SEX FACTORS/ SOLVENTS/

SUCCINATES, analysis/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

[Studies on 125-iodine-labeled synthetic thyrotropin-releasing hormone (TRH)] Rothenbuchner G, et al. **Klin Wochenschr** 51:412-4, 15 Apr 73 (Eng. Abstr.) (Ger)
ANIMAL EXPERIMENTS/ BILE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HYPOTHALAMUS, metabolism/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ METHODS/ MICE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ THYROID GLAND, metabolism/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, urine

COLORIMETRY

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73
BINDING, COMPETITIVE/ BLOOD PROTEINS/ COLORIMETRY/ COMPARATIVE STUDY/ *ENDOCRINE DISEASES, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ METYRAPONE, pharmacodynamics/ METYRAPONE, therapeutic use/ PROTEIN BINDING/ RADIOCHEMISTRY/ TRANSCORTIN/ TRITIUM

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW. **Clin Chem** 19:706-9, Jul 73
ALCOHOL, METHYL/ ALKANES/ AMMONIUM COMPOUNDS/ *ANDROSTANES, urine/ ANDROSTERONE, urine/ AUTOANALYSIS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ COLORIMETRY/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ NITROBENZENES/ TRITIUM

Determination of dopa in pharmaceutical dosage forms based on oxidation at tubular carbon electrode. Mason WD. **J Pharm Sci** 62:999-1001, Jun 73
CAPSULES/ CARBON/ COLORIMETRY/ COMPARATIVE STUDY/ *DOPA, analysis/ ELECTROCHEMISTRY/ ELECTRODES/ METHODS/ OXIDATION-REDUCTION/ SOLUBILITY/ TABLETS

Colorimetric determination of corticosteroids using aldehyde-sulphuric acid colour reaction. 2. Ibrahim el-SA, et al. **Pharmazie** 28:232-4, Apr 73
*ADRENAL CORTEX HORMONES, analysis/ ALDEHYDES/ COLORIMETRY/ METHODS/ REGRESSION ANALYSIS/ SULFURIC ACIDS/ TABLETS, analysis

COMPARATIVE STUDY

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem** 19:748-52, Jul 73
BINDING, COMPETITIVE/ BLOOD PROTEINS/ COLORIMETRY/ COMPARATIVE STUDY/ *ENDOCRINE DISEASES, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ METYRAPONE, pharmacodynamics/ METYRAPONE, therapeutic use/ PROTEIN BINDING/ RADIOCHEMISTRY/ TRANSCORTIN/ TRITIUM

Fluorometric determination of plasma 11-hydroxycorticosteroids. I. Rapid procedure for clinical screening. Mejer LE, et al. **Clin Chem** 19:710-7, Jul 73
BLOOD DONORS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/ MASS SCREENING/ METHODS/ OSMOLAR CONCENTRATION/ SODIUM HYDROXIDE/ TIME FACTORS/ TRITIUM

Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Moore JW. **Clin Chem** 19:706-9, Jul 73
ALCOHOL, METHYL/ ALKANES/ AMMONIUM COMPOUNDS/ *ANDROSTANES, urine/ ANDROSTERONE, urine/ AUTOANALYSIS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ COLORIMETRY/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ NITROBENZENES/ TRITIUM

Human growth hormone: a comparison of the results of plasma and serum assays using double-antibody techniques. Crowley MF, et al. **Clin Chim Acta** 45:19-24, 19 Apr 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ EDTA/ EVALUATION STUDIES/ HEPARIN/ HUMAN/ INSULIN, diagnostic use/ IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ PLASMA, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

Comparison of various filter materials for insulin immunoassay. Krause U, et al. **Horm Metab Res** 5:140-1, Mar 73
CELLULOSE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FILTRATION/ GLASS/ HUMAN/ *INSULIN, analysis/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ ULTRAFILTRATION

Radioimmunoassay of plasma pregnenolone. Abraham GE, et al. **J Clin Endocrinol Metab** 37:40-5, Jul 73
CARBODIIMIDES/ CLIMACTERIC/ COMPARATIVE STUDY/ MENSTRUATION/ METHODS/ *PREGNENOLONE, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SHEEP, immunology/ SUCCINATES/ TRITIUM

Methods for detection of incipient primary hypothyroidism: a comparative study. Shenkman L, et al. **J Clin Endocrinol Metab** 36:1074-8, Jun 73
ADULT/ AGED/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, diagnosis/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES, therapeutic use/ MALE/ METHODS/ MIDDLE AGE/ THYROIDITIS, LYMPHOMATOUS, radiotherapy/ THYROTROPIN, administration & dosage/ *THYROTROPIN, blood/ THYROTROPIN, diagnostic use/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood

Determination of dopa in pharmaceutical dosage forms based on oxidation at tubular carbon electrode. Mason WD. **J Pharm Sci** 62:999-1001, Jun 73
CAPSULES/ CARBON/ COLORIMETRY/ COMPARATIVE STUDY/ *DOPA, analysis/ ELECTROCHEMISTRY/ ELECTRODES/ METHODS/ OXIDATION-REDUCTION/ SOLUBILITY/ TABLETS

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.

LIBRARY U. OF L. URBANA-CHAMPAIGN

J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

Improved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study. Prasad VK, et al. J Pharm Sci 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROCHEMISTRY/ *PREGNANCY

[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. Abstr.) (Fre)
AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN BINDING/ REGRESSION ANALYSIS/ THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

[Adrenocorticotropic effect of beta-1-23-corticotropin compared with beta-1-24-corticotropin] Geisthövel W, et al.
Arzneim Forsch 23:619-21, Apr 73 (Eng. Abstr.) (Ger)
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ PROTEIN BINDING/ SEX FACTORS

[Radioimmunoassay of plasma renin activity--comparison with biological method (improved Skinner's method)] Nishizawa C, et al.
Clin Endocrinol (Tokyo) 20:971-5, Nov 72 (Jap)
ANGIOTENSIN, blood/ *BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

[Phadebas hCS test kit] Tojo S, et al.
Clin Endocrinol (Tokyo) 21:79-85, Jan 73 (Jap)
COMPARATIVE STUDY/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

COUNTERCURRENT DISTRIBUTION

Separation of prostaglandin diastereomers by countercurrent distribution. Hallinan EA.
J Chromatogr 79:368-9, 16 May 73
COUNTERCURRENT DISTRIBUTION/ METHODS/ *PROSTAGLANDINS, isolation & purification/ STEREOISOMERS

DENSITOMETRY

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al.
Clin Endocrinol (Oxf) 1:219-33, Jul 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ DENSITOMETRY/ FEMALE/ FREEZING/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ ORGAN CULTURE

Variation in physical dimensions and chemical composition of human stratum corneum. Anderson RL, et al. J Invest Dermatol 61:30-2, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUTOPSY/ CARBON, analysis/ CELL COUNT/ CHILD/ CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ FEMALE/ *HIP/ HUMAN/ HYDROGEN, analysis/ LIPIDS, analysis/ MALE/ METHODS/ MIDDLE AGE/ NITROGEN, analysis/ *SKIN/ SKIN, analysis/ SKIN, anatomy & histology/ SKIN, cytology

[Radiological measurement of compact bone thickness in children with generalized bone disease] Manzke E, et al.
Monatsschr Kinderheilkd 121:135-9, Apr 73 (Eng. Abstr.) (Ger)
AGE FACTORS/ ANTHROPOMETRY/ *BONE AND BONES, radiography/ CHILD/ CHILD, PRESCHOOL/ DENSITOMETRY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALABSORPTION SYNDROMES, complications/ METHODS/ RICKETS, etiology/ *RICKETS, radiography/ *RICKETS, VITAMIN D RESISTANT, radiography

DENSITOMETRY, X-RAY

Development of a method of X-ray densitometry for bone mineral measurement. Griffith ER, et al.
Am J Phys Med 52:128-49, Jun 73
ALUMINUM/ BONE AND BONES, analysis/ *BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, instrumentation/ FOOT/ HEEL/ HUMAN/ MATHEMATICS/ METHODS/ MINERALS, analysis/ SPECTRUM ANALYSIS

A new method of bone mineral estimation using a conventional x-ray set. Archer-Hall JA, et al.
Br J Radiol 46:375-80, May 73
*BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ HUMAN/ METHODS/ TECHNOLOGY, RADIOLOGIC/ ULNA, radiography

INSTRUMENTATION

Development of a method of X-ray densitometry for bone mineral measurement. Griffith ER, et al.
Am J Phys Med 52:128-49, Jun 73
ALUMINUM/ BONE AND BONES, analysis/ *BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, instrumentation/ FOOT/ HEEL/ HUMAN/ MATHEMATICS/ METHODS/ MINERALS, analysis/ SPECTRUM ANALYSIS

ELECTROPHORESIS, DISK

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al.
Endocrinology 92:1652-9, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ CASTRATION/ ELECTROPHORESIS, DISK/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOTOPE LABELING/ MACACA/ MENSTRUATION/ METHODS/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, analysis/ *RADIOIMMUNOASSAY

ELECTROPHORESIS, PAPER

[Description of an electrophoretic technic for isolation of cyclic AMP from its metabolites. Application to adenylcyclase activity determination] Verbert A, et al. **Biochimie 54:1491-2, 1972 (Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS, PAPER/ *LIVER, metabolism/ METHODS/ RATS/ TRITIUM

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ DOPA, urine/ DOPAMINE, urine/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ GANGLIONEUROMA, urine/ GLYCOLS, urine/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT/ MALE/ MELANOMA, urine/ METHODS/ MIDDLE AGE/ NEOPLASMS, urine/ NERVOUS SYSTEM DISEASES, urine/ *NERVOUS SYSTEM DISEASES, urine/ *NEUROBLASTOMA, urine/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, pathology/ *PHEOCHROMOCYTOMA, urine/ *SYMPATHETIC NERVOUS SYSTEM/ TYRAMINE, urine/ TYROSINE, urine/ VANILMANDELIC ACID, urine

ELECTROPHORESIS, POLYACRYLAMIDE GEL

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins. Baker BI. **J Endocrinol 57:393-404, Jun 73**
ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ METHODS/ *MSH, isolation & purification/ *NEUROPHYSINS, isolation & purification/ *PITUITARY GLAND, analysis/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ SWINE

FILTRATION

Comparison of various filter materials for insulin immunoassay. Krause U, et al.
Horm Metab Res 5:140-1, Mar 73
CELLULOSE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FILTRATION/ GLASS/ HUMAN/ *INSULIN, analysis/ METHODS/ PROTEIN BINDING/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ ULTRAFILTRATION

FLUORESCENCE

Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone. Dalmau JM, et al. **J Chromatogr 78:165-71, 11 Apr 73**
*BETAMETHASONE, isolation & purification/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ *DEXAMETHASONE, isolation & purification/ FLUORESCENCE/ INDICATORS AND REAGENTS/ ISOMERISM/ ISONIAZID/ METHODS/ POLYVINYLPYRROLIDONE/ SOLUBILITY/ SOLVENTS

The histochemical fluorescence method for the demonstration of catecholamines. Theory, practice and application. Fuxe K, et al.
J Histochem Cytochem 21:293-311, Apr 73 (82 ref.)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CHEMISTRY/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICE/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ RATS/ REVIEW

FLUORESCENCE SPECTROMETRY

Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Goldberg ND, et al.
Adv Cyclic Nucleotide Res 2:63-80, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE SPECTROMETRY/ GLUCOSEPHOSPHATE DEHYDROGENASE/ GUANINE NUCLEOTIDES/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HEXOKINASE/ METHODS/ MUSCLES, enzymology/ PHOSPHODIESTERASES/ PHOSPHOTRANSFERASES/ PYRUVATE KINASE/ RABBITS/ TRITIUM

The luminescence assay of cyclic AMP. Johnson RA.
Adv Cyclic Nucleotide Res 2:81-7, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ FLUORESCENCE SPECTROMETRY/ LUCIFERASE/ LUCIFERIN/ LUMINESCENCE/ METHODS/ TRITIUM

EDTA prevents the photocatalyzed destruction of the products of catecholamine oxidation. Karasawa T, et al. **Anal Biochem 53:278-81, May 73**
ALCOHOL, ETHYL/ *CATECHOLAMINES/ CATECHOLAMINES, analysis/ CHEMISTRY/ *EDTA/ FLUORESCENCE SPECTROMETRY/ *INDOLES/ IODINE/ KINETICS/ METHODS/ NOREPINEPHRINE/ OXIDATION-REDUCTION/ PHOTOLYSIS

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem 19:748-52, Jul 73**
BINDING, COMPETITIVE/ BLOOD PROTEINS/ COLORIMETRY/ COMPARATIVE STUDY/ *ENDOCRINE DISEASES, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ METYRAPONE, pharmacodynamics/ METYRAPONE, therapeutic use/ PROTEIN BINDING/ RADIOCHEMISTRY/ TRANSCORTIN/ TRITIUM

Fluorometric determination of plasma specificity of the method. Mejer LE, et al. specificity of the method. Mejer LE, et al.
Clin Chem 19:718-24, Jul 73
CHOLESTEROL, blood/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ ESTRADIOL, blood/ ESTRONE, blood/ EVALUATION STUDIES/ FATTY ACIDS, NONESTERIFIED, blood/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/

LIBRARY U. OF I., URBANA-CHAMPAIGN

METHODS/ PHOSPHOLIPIDS, blood/ PLASMA, analysis/ TRIGLYCERIDES, blood

Fluorometric determination of plasma 11-hydroxycorticosteroids. I. Rapid procedure for clinical screening. Mejer LE, et al.
Clin Chem 19:710-7, Jul 73
BLOOD DONORS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/ MASS SCREENING/ METHODS/ OSMOLAR CONCENTRATION/ SODIUM HYDROXIDE/ TIME FACTORS/ TRITIUM

The histochemical fluorescence method for the demonstration of catecholamines. Theory, practice and application. Fuxe K, et al.
J Histochem Cytochem 21:293-311, Apr 73 (82 ref.)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CHEMISTRY/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICE/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ RATS/ REVIEW

Improved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study. Prasad VK, et al. **J Pharm Sci** 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

[Determination of iodine by X-ray fluorecence analysis using 241 Am source] Shinogi M, et al.
J Pharm Soc Jap 93:14-9, Jan 73 (Eng. Abstr.) (Jap)
AMERICIUM/ ENGLISH ABSTRACT/ FLUORESCENCE SPECTROMETRY/ *IODINE, analysis/ METHODS/ RADIOISOTOPES/ *SPECTRUM ANALYSIS

FLUORESCENT ANTIBODY TECHNIC

[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al.
C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, immunology/ IMMUNOCHEMISTRY/ *LH, analysis/ MALE/ METHODS/ *PITUITARY GLAND, immunology/ RABBITS/ STAINS AND STAINING

GEL FILTRATION

Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. Habener JF, et al.
Clin Chim Acta 45:225-33, 18 May 73
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ DEXTRAN/ DIOXINS/ EVALUATION STUDIES/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROCALCITONIN, blood/ TIME FACTORS

The Ig class and light chain type of the long acting thyroid stimulator. Maisey MN.
Clin Endocrinol (Oxf) 1:189-98, Apr 72
CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IGA, analysis/ *IGG, analysis/ IGM, analysis/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, analysis/ LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ RABBITS, immunology

Competitive protein binding method using an amphibian sex binding protein. Measurement of estradiol-17 in Pleurodeles waltlii Michah. plasma. Marot J, et al.
Comp Biochem Physiol [B] 44:1103-11, 15 Apr 73
*AMPHIBIA/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARRIER PROTEINS/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ MALE/ METHODS/ PROTEIN BINDING/ TRITIUM

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al.
Endocrinology 92:1652-9, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ CASTRATION/ ELECTROPHORESIS, DISK/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOTOPE LABELING/ MACACA/ MENSTRUATION/ METHODS/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, analysis/ *RADIOIMMUNOASSAY

Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance. Peña C, et al. **FEBS Lett** 27:338-40, 1 Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *CARTILAGE/ CATTLE/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ MALE/ METHODS/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ *THIOCYANATES/ *TIBIA

A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding. Bieler EU, et al. **Horm Metab Res** 5:231, May 73
BINDING SITES, ANTIBODY/ *BLOOD PROTEINS/ CALCIUM, blood/ GEL FILTRATION/ HUMAN/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ PITUITARY GLAND, physiology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ TIME FACTORS

Increased metabolic clearance of cortisol by stress-susceptible swine. Marple DN, et al.
J Anim Sci 36:1139-42, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATHETERIZATION/ CORTICOTROPIN, blood/ FEMALE/ GEL FILTRATION/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE,

blood/ INJECTIONS, INTRAVENOUS/ METABOLIC CLEARANCE RATE/ METHODS/ STRESS, metabolism/ *STRESS, veterinary/ SWINE, metabolism/ *SWINE DISEASES, metabolism/ TIME FACTORS/ TRITIUM/ VENA CAVA, INFERIOR

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide. Flouret GR, et al.
J Med Chem 16:369-73, Apr 73
ANIMAL EXPERIMENTS/ *FSH, secretion/ GEL FILTRATION/ IN VITRO/ *LH, secretion/ MALE/ METHODS/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *FSH/ FSH, blood/ FSH, secretion/ GEL FILTRATION/ *LH/ LH, blood/ LH, secretion/ METHODS/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

HEMAGGLUTINATION INHIBITION TESTS

[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol, 17-hydroxycorticoids and 17-ketosteroids during normal menstrual cycle and without clinical implications] Rivera Damm R, et al.
Ginecol Obstet (Lima) 33:301-11, Mar 73 (Eng. Abstr.) (Spa)
ENGLISH ABSTRACT/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *LH, urine/ *MENSTRUATION/ METHODS/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ TIME FACTORS

HISTOCYTOCHEMISTRY

A sensitive bioassay for adrenocorticotrophic hormone in human plasma. Chayen J, et al.
Clin Endocrinol (Oxf) 1:219-33, Jul 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ DENSITOMETRY/ FEMALE/ FREEZING/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ ORGAN CULTURE

Ultrastructural identification of catecholamine-containing central synaptic terminals. Bloom FE.
J Histochem Cytochem 21:333-48, Apr 73 (101 ref.)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN, drug effects/ BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CENTRAL NERVOUS SYSTEM, analysis/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ METHODS/ MICROSCOPY, ELECTRON/ NEURONS, analysis/ POTASSIUM PERMANGANATE/ RATS/ REVIEW/ STAINS AND STAINING/ *SYNAPSES, analysis/ SYNAPTIC VESICLES, analysis

The histochemical fluorescence method for the demonstration of catecholamines. Theory, practice and application. Fuxe K, et al.
J Histochem Cytochem 21:293-311, Apr 73 (82 ref.)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CHEMISTRY/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICE/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ RATS/ REVIEW

[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al.
C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, immunology/ IMMUNOCHEMISTRY/ *LH, analysis/ MALE/ METHODS/ *PITUITARY GLAND, immunology/ RABBITS/ STAINS AND STAINING

[Biochemical diagnosis of pheochromocytoma, neuroblastoma and other neuro-ectodermal neoplasms] Käser H.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ DOPA, urine/ DOPAMINE, urine/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ GANGLIONEUROMA, urine/ GLYCOLS, urine/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT/ MALE/ MELANOMA, urine/ METHODS/ MIDDLE AGE/ NEOPLASMS, urine/ NERVOUS SYSTEM DISEASES, urine/ *NERVOUS SYSTEM DISEASES, urine/ *NEUROBLASTOMA, urine/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, pathology/ *PHEOCHROMOCYTOMA, urine/ *SYMPATHETIC NERVOUS SYSTEM/ TYRAMINE, urine/ TYROSINE, urine/ VANILMANDELIC ACID, urine

HISTOLOGICAL TECHNICS

Corticosteroid effects on sulphate uptake in human iris. Levene RZ.
Trans Am Ophthalmol Soc 70:437-66, 1972
AGED/ ANIMAL EXPERIMENTS/ CATS/ DEXAMETHASONE, administration & dosage/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*DEXAMETHASONE, pharmacodynamics/ EPITHELIUM/ ERYTHROCYTES, drug effects/ FEMALE/ GUINEA PIGS/ HEMOGLOBIN, analysis/ HEMOLYSIS, drug effects/ HISTOLOGICAL TECHNICS/ HUMAN/ HYDROCORTISONE, blood/ IN VITRO/ INTRAOCULAR PRESSURE, drug effects/ IODOACETATES/ IRIS, drug effects/ *IRIS, metabolism/ MALE/ METHODS/ MIDDLE AGE/ RETINAL PIGMENTS/ *SULFATES, metabolism/ SULFUR ISOTOPES

IMMUNOCHEMISTRY

[Immunofluorescence identification of male guinea pig cells with LH activity] Tramu G, et al.
C R Acad Sci [D] (Paris) 275:1159-61, 11 Sep 72 **(Fre)**
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, immunology/ IMMUNOCHEMISTRY/ *LH, analysis/ MALE/ METHODS/ *PITUITARY GLAND, immunology/ RABBITS/ STAINS AND STAINING

IMMUNOELECTROPHORESIS

The Ig class and light chain type of the long acting thyroid stimulator. Maisey MN.
Clin Endocrinol (Oxf) 1:189-98, Apr 72
CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IGA, analysis/ *IGG, analysis/ IGM, analysis/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, analysis/ LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ RABBITS, immunology

INDICATOR DILUTION TECHNICS

Improved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study. Prasad VK, et al. **J Pharm Sci** 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

ION EXCHANGE RESINS

Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al.
S Afr Med J 47:995-7, 16 Jun 73
HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ ION EXCHANGE RESINS/ MALE/ METHODS/ RADIOLIGAND ASSAY/ *THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *THYROXINE, blood

ISOELECTRIC FOCUSING

Isoelectric focusing-immunoassay: a new technique applied to the high molecular weight A-component from bovine insulin. Kohnert KD, et al.
Anal Biochem 53:650-3, Jun 73
CATTLE/ *INSULIN, isolation & purification/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ MACROMOLECULAR SYSTEMS/ METHODS/ RADIOIMMUNOASSAY

MASS SPECTRUM ANALYSIS

Mass spectra of prostaglandins. 3. Trimethylsilyl and alkyl oxime-trimethylsilyl derivatives of prostaglandins of the E series. Middleditch BS, et al.
J Org Chem 38:2204-9, 15 Jun 73
ALKYLATION/ MASS SPECTRUM ANALYSIS/ METHODS/ METHYLATION/ *OXIMES, analysis/ *PROSTAGLANDINS, analysis

Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROCHEMISTRY/ *PREGNANCY

Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term. Jakowicki J, et al.
J Steroid Biochem 4:181-91, Mar 73
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PLACENTA, analysis/ PREGNANCY/ TIME FACTORS

MICROCHEMISTRY

The histochemical fluorescence method for the demonstration of catecholamines. Theory, practice and application. Fuxe K, et al.
J Histochem Cytochem 21:293-311, Apr 73 (82 ref.)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CHEMISTRY/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICE/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ RATS/ REVIEW

Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine. Adlercreutz H, et al.
J Steroid Biochem 4:233-7, Mar 73
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROCHEMISTRY/ *PREGNANCY

A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

NUCLEAR MAGNETIC RESONANCE

Carbon-13 nuclear magnetic resonance spectra of prostaglandins and some prostaglandin analogs. Cooper GF, et al.
Proc Natl Acad Sci USA 70:1579-84, May 73
CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DIAZOMETHANE/ ESTERS/ METHODS/ MOLECULAR CONFORMATION/ *NUCLEAR MAGNETIC RESONANCE/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

METHOD SECTION

PRECIPITATION

The purification of human prolactin from frozen pituitary glands. Kwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

PROTEIN BINDING

Saturation assay for cyclic AMP using endogenous binding protein. Brown BL, et al.
Adv Cyclic Nucleotide Res 2:25-40, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ DIET/ FASTING/ HUMAN/ KINETICS/ LIVER, analysis/ MATHEMATICS/ METHODS/ PHOSPHODIESTERASES/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM

Protein binding assays for cyclic nucleotides. Gilman AG. **Adv Cyclic Nucleotide Res 2:9-24, 1972**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ MUSCLES, analysis/ MUSCLES, enzymology/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ PROTEIN KINASE, antagonists & inhibitors/ RIBONUCLEOTIDES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. **Biochem Med 7:350-62, Jun 73**
ADULT/ ANHYDRIDES/ CATTLE/ CHEMISTRY/ CROSS REACTIONS/ DIET/ HUMAN/ HYDROCORTISONE/ *HYDROCORTISONE, blood/ HYDROCORTISONE, chem synthesis/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SUCCINATES/ SUCCINATES, chem synthesis

Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Bruton J, et al. **Clin Chem 19:748-52, Jul 73**
BINDING, COMPETITIVE/ BLOOD PROTEINS/ COLORIMETRY/ COMPARATIVE STUDY/ *ENDOCRINE DISEASES, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ METYRAPONE, pharmacodynamics/ METYRAPONE, therapeutic use/ PROTEIN BINDING/ RADIOCHEMISTRY/ TRANSCORTIN/ TRITIUM

Measurement of progesterone in human plasma. Horth CE, et al. **Clin Endocrinol (Oxf) 1:199-207, Apr 72**
ADULT/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ METHODS/ PETROLEUM/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRITIUM

Competitive protein binding method using an amphibian sex binding protein. Measurement of estradiol-17 in Pleurodeles waltlii Michah. plasma. Marot J, et al.
Comp Biochem Physiol [B] 44:1103-11, 15 Apr 73
*AMPHIBIA/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARRIER PROTEINS/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ MALE/ METHODS/ PROTEIN BINDING/ TRITIUM

Comparison of various filter materials for insulin immunoassay. Krause U, et al.
Horm Metab Res 5:140-1, Mar 73
CELLULOSE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FILTRATION/ GLASS/ HUMAN/ *INSULIN, analysis/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ ULTRAFILTRATION

Endocrine physiology of the puerperal sow. Molokwu EC, et al. **J Anim Sci 36:1158-63, Jun 73**
ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *HORMONES, blood/ METHODS/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *PUERPERIUM/ *SWINE, physiology/ THYROXINE, blood

[Comparison of automated chemical determination of plasma hormonal iodine and thyroxinemia measured by competition (T4 test)] Jaffiol C, et al.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Eng. Abstr.) (Fre)
AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN BINDING/ REGRESSION ANALYSIS/ THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

[Adrenocorticotropic effect of beta-1-23-corticotropin compared with beta-1-24-corticotropin] Geisthövel W, et al.
Arzneim Forsch 23:619-21, Apr 73 (Eng. Abstr.) (Ger)
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ PROTEIN BINDING/ SEX FACTORS

RADIOIMMUNOASSAY

Radioimmunoassay for the measurement of cyclic nucleotides. Steiner AL, et al.
Adv Cyclic Nucleotide Res 2:51-61, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CYCLIC P-OXIDES, chem synthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE ISOTOPES/ METHODS/ ORGAN SPECIFICITY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ RIBONUCLEOTIDES, chem synthesis/ SERUM ALBUMIN/ SUCCINATES/ SUCCINATES, chem synthesis/ URACIL NUCLEOTIDES

pH dependence of the renin reaction: a modification of commercial renin activity radioimmunoassay kits. McDonald JM, et al. **Am J Clin Pathol 59:858-68, Jun 73**
ANGIOTENSIN, metabolism/ BLOOD SPECIMEN COLLECTION/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHODS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, instrumentation/ *RENIN, analysis/ RENIN, metabolism

Exposure of cattle to controlled subzero temperature:

LIBRARY U. OF I., URBANA-CHAMPAIGN

growth hormone, glucose, and free fatty acid concentrations in plasma. Olsen JD, et al. **Am J Vet Res 34:747-51, Jun 73**
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BLOOD SUGAR, analysis/ CATTLE/ *CATTLE, physiology/ *COLD/ ENVIRONMENT, CONTROLLED/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GUINEA PIGS, immunology/ HUMIDITY/ IODINE ISOTOPES/ METHODS/ RADIOIMMUNOASSAY/ RESPIRATION/ SHIVERING/ *SOMATOTROPIN, blood/ TEMPERATURE/ TIME FACTORS

Isoelectric focusing-immunoassay: a new technique applied to the high molecular weight A-component from bovine insulin. Kohnert KD, et al. **Anal Biochem 53:650-3, Jun 73**
CATTLE/ *INSULIN, isolation & purification/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ MACROMOLECULAR SYSTEMS/ METHODS/ RADIOIMMUNOASSAY

A radioimmunoassay for cortisol in human plasma. Campuzano HC, et al. **Biochem Med 7:350-62, Jun 73**
ADULT/ ANHYDRIDES/ CATTLE/ CHEMISTRY/ CROSS REACTIONS/ DIET/ HUMAN/ HYDROCORTISONE/ *HYDROCORTISONE, blood/ HYDROCORTISONE, chem synthesis/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SUCCINATES/ SUCCINATES, chem synthesis

Basal and hormone-stimulated adenylate cyclase in liver plasma membranes: measurement by radioimmunoassay of cyclic AMP. Rosselin G, et al. **Biochim Biophys Acta 304:541-51, 28 Apr 73**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, enzymology/ *GLUCAGON, pharmacodynamics/ IMMUNE SERUMS/ *INSULIN, pharmacodynamics/ IODINE ISOTOPES/ KINETICS/ LIVER, cytology/ *LIVER, enzymology/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ *THEOPHYLLINE, pharmacodynamics

Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Moser RJ, et al. **Clin Chem 19:602-7, Jun 73**
AMNIOTIC FLUID, analysis/ BLOOD/ CROSS REACTIONS/ EVALUATION STUDIES/ FEMALE/ GOATS, immunology/ *GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ METHODS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, blood/ PLACENTAL LACTOGEN, urine/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TIME FACTORS/ UMBILICAL CORD

Human growth hormone: a comparison of the results of plasma and serum assays using double-antibody techniques. Crowley MF, et al. **Clin Chim Acta 45:19-24, 19 Apr 73**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ EDTA/ EVALUATION STUDIES/ HEPARIN/ HUMAN/ INSULIN, diagnostic use/ IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ PLASMA, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. Habener JF, et al. **Clin Chim Acta 45:225-33, 18 May 73**
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ DEXTRAN/ DIOXINS/ EVALUATION STUDIES/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROCALCITONIN, blood/ TIME FACTORS

Secretion of parathyroid hormone in primary hyperparathyroidism. O'Riordan JL, et al. **Clin Endocrinol (Oxf) 1:149-55, Apr 72**
CALCIUM, blood/ HUMAN/ HYPERCALCEMIA, blood/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, metabolism/ METHODS/ OSTEITIS FIBROSA CYSTICA, blood/ OSTEITIS FIBROSA CYSTICA, complications/ OSTEITIS FIBROSA CYSTICA, radiography/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, secretion/ PARATHYROID NEOPLASMS, complications/ RADIOIMMUNOASSAY

Radioimmunoassay of testosterone during fetal development of the rhesus monkey. Resko JA, et al. **Endocrinology 93:156-61, Jul 73**
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ MACACA/ MALE/ METHODS/ MONKEYS/ OVARY, physiology/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ TESTIS, physiology/ *TESTOSTERONE, blood/ TRITIUM/ UMBILICAL CORD

Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH). Yamaji T, et al. **Endocrinology 92:1652-9, Jun 73**
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ CASTRATION/ ELECTROPHORESIS, DISK/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOTOPE LABELING/ MACACA/ MENSTRUATION/ METHODS/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, analysis/ *RADIOIMMUNOASSAY

A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding. Bieler EU, et al. **Horm Metab Res 5:231, May 73**
BINDING SITES, ANTIBODY/ *BLOOD PROTEINS/ CALCIUM, blood/ GEL FILTRATION/ HUMAN/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ PITUITARY GLAND, physiology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ TIME FACTORS

Gastrointestinal stimulation of calcitonin in adults and newborns. Hesch RD, et al. **Horm Metab Res 5:235, May 73**
ANTIGENS/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ METHODS/ *PENTAGASTRIN, pharmacodynamics/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ THYROCALCITONIN, metabolism/ TIME FACTORS

Comparison of various filter materials for insulin immunoassay. Krause U, et al. **Horm Metab Res 5:140-1, Mar 73**
CELLULOSE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FILTRATION/ GLASS/ HUMAN/ *INSULIN, analysis/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ ULTRAFILTRATION

Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological

conditions. Abraham GE, et al.
J Clin Endocrinol Metab 37:140-4, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ CHROMATOGRAPHY/ CLIMACTERIC/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ *HYDROXYPREGNENOLONE, blood/ IMMUNE SERUMS/ INFANT, NEWBORN/ MALE/ MENSTRUATION/ METHODS/ PREGNANCY/ *PREGNENOLONE, blood/ PUBERTY/ RADIOIMMUNOASSAY

Radioimmunoassay of plasma pregnenolone. Abraham GE, et al. **J Clin Endocrinol Metab** 37:40-5, Jul 73
CARBODIIMIDES/ CLIMACTERIC/ COMPARATIVE STUDY/ MENSTRUATION/ METHODS/ *PREGNENOLONE, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SHEEP, immunology/ SUCCINATES/ TRITIUM

Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone. Forest MG, et al. **J Clin Endocrinol Metab** 36:1132-42, Jun 73
ABNORMALITIES, blood/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ METHODS/ PUBERTY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTIS, abnormalities/ *TESTOSTERONE, blood/ TRITIUM/ *TURNER'S SYNDROME, blood

The purification of human prolactin from frozen pituitary glands. Hwang P, et al.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

Quantitation of endogenous and exogenous gonadotropin releasing hormone by radioimmunoassay. Keye WR Jr, et al.
J Clin Endocrinol Metab 36:1263-7, Jun 73
ADULT/ CHILD/ FEMALE/ GONADOTROPINS/ GONADOTROPINS, metabolism/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RADIOIMMUNOASSAY

Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion. West CD, et al.
J Clin Endocrinol Metab 36:1230-6, Jun 73
ADULT/ CHROMATOGRAPHY, PAPER/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, secretion/ MALE/ METHODS/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion/ TRITIUM

Wick chromatography for the immunoassay of serum thyrotropin. Weeke J, et al.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROTROPIN, blood/ THYROTROPIN, isolation & purification/ TIME FACTORS

Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs. Yanaihara N, et al.
J Med Chem 16:373-7, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *FSH/ FSH, blood/ FSH, secretion/ GEL FILTRATION/ *LH/ LH, blood/ LH, secretion/ METHODS/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

Measurement of plasma renin activity by angiotensin I radioimmunoassay. II. Clinical results. Salvetti A, et al. **J Nucl Biol Med** 16:102-14, Apr-Jun 72
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, analysis/ ANGIOTENSIN, blood/ FEMALE/ GLOMERULONEPHRITIS, diagnosis/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, diagnosis/ HYPERTENSION, RENAL, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ PYELONEPHRITIS, diagnosis/ *RADIOIMMUNOASSAY/ *RENIN, analysis/ RENIN, blood

Heterologous radioimmunoassay of circulating ovine FSH in normal ewes. Hopkinson C, et al.
J Physiol (Lond) 231:52P-53P, May 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ESTRUS/ FEMALE/ *FSH, blood/ LH, blood/ METHODS/ OVULATION/ RADIOIMMUNOASSAY/ *SHEEP, physiology/ TIME FACTORS

Problems with a radioimmunoassay for testosterone. Tyler JP. **J Reprod Fertil** 33:357-9, May 73
ANTIGENS/ CATTLE/ CHROMATOGRAPHY/ METHODS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TRITIUM

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD.
Mt Sinai J Med NY 40:422-32, May-Jun 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ANTIBODIES, HETEROTYPIC/ ANTIBODY FORMATION/ CATTLE/ HEMODIALYSIS/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERCALCEMIA, immunology/ HYPERPARATHYROIDISM, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, complications/ METHODS/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, history/ SPECIES SPECIFICITY/ SWINE

Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Roof BS, et al. **Mt Sinai J Med NY** 40:433-47, May-Jun 73
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHICKENS, immunology/ CHILD/ CHILD, PRESCHOOL/ GUINEA PIGS, immunology/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, SECONDARY, blood/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPOPARATHYROIDISM, blood/ IMMUNE SERUMS/ INFANT/ INFANT, NEWBORN/ KIDNEY, transplantation/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, physiopathology/ METHODS/ MIDDLE AGE/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ RADIOIMMUNOASSAY/ RICKETS, VITAMIN D RESISTANT, physiopathology

LIBRARY U. OF I., URBANA-CHAMPAIGN

Radioimmunoassay for prednisolone. Colburn WA, et al. **Steroids** 21:833-46, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ CROSS REACTIONS/ DOGS/ EVALUATION STUDIES/ GOATS, immunology/ HUMAN/ MALE/ METHODS/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, blood/ PREDNISONE, administration & dosage/ PREDNISONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM

Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Hillier SG, et al. **Steroids** 21:735-54, May 73
CATTLE/ CHARCOAL/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SEX FACTORS/ SOLVENTS/ SUCCINATES, analysis/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

[Obtaining specific immune serums of the hypothalamic factor (LH, FSH-RH) which stimulates the liberation of pituitary gonadotropins and the development of the radioimmunologic assay of this peptide] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 276:593-6, 22 Jan 73 **(Fre)**
CASTRATION/ ESTRUS/ FEMALE/ FSH, blood/ FSH, secretion/ GUINEA PIGS, immunology/ HUMAN/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, immunology/ IMMUNOLOGIC TECHNICS/ IODINE ISOTOPES/ LH, blood/ LH, secretion/ MALE/ METHODS/ OVARY, physiology/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ TISSUE EXTRACTS

[Simultaneous determination of plasma testosterone and dihydrotestosterone with a radioimmunologic method] Mahoudeau JA, et al. **Rev Fr Endocrinol Clin** 13:413-23, Sep-Oct 72 **(Eng. Abstr.) (Fre)**
ADOLESCENCE/ ADULT/ ANTIBODIES/ ANTIGENS/ CHROMATOGRAPHY/ *ENDOCRINE DISEASES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *STANOLONE, blood/ STANOLONE, metabolism/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism

[Radioimmunologic studies on serum progesterone in normal and induced menstrual cycle] Gitsch E, et al. **Geburtshilfe Frauenheilkd** 33:303-9, Apr 73 **(Eng. Abstr.) (Ger)**
ADULT/ AMENORRHEA, blood/ AMENORRHEA, drug therapy/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, blood/ METHODS/ OVULATION, drug effects/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY

[Radioimmunologic serum LH determination for the timing of ovulation] Gitsch E, et al. **Geburtshilfe Frauenheilkd** 33:297-302, Apr 73 **(Eng. Abstr.) (Ger)**
CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ COITUS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LH, blood/ MALE/ METHODS/ METRORRHAGIA/ *OVULATION/ OVULATION, drug effects/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *STERILITY, FEMALE, therapy/ TIME FACTORS

[Human placentar lactogen (HPL) in the serum. Its diagnostic value in intra-uterine retardation of growth] Bellmann O, et al. **Z Geburtshilfe Perinatol** 177:97-109, Apr 73 **(Eng. Abstr.) (Ger)**
BIRTH WEIGHT/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, blood/ FETUS, growth & development/ GERMANY, WEST/ GESTATIONAL AGE/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ RADIOIMMUNOASSAY/ RETROSPECTIVE STUDIES

[Radioimmunoassay of plasma renin activity--comparison with biological method (improved Skinner's method)] Nishizawa C, et al. **Clin Endocrinol (Tokyo)** 20:971-5, Nov 72 **(Jap)**
ANGIOTENSIN, blood/ *BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

[Phadebas hCS test kit] Tojo S, et al. **Clin Endocrinol (Tokyo)** 21:79-85, Jan 73 **(Jap)**
COMPARATIVE STUDY/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

HISTORY

Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow. Arnaud CD. **Mt Sinai J Med NY** 40:422-32, May-Jun 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ANTIBODIES, HETEROTYPIC/ ANTIBODY FORMATION/ CATTLE/ HEMODIALYSIS/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERCALCEMIA, immunology/ HYPERPARATHYROIDISM, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, complications/ METHODS/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, history/ SPECIES SPECIFICITY/ SWINE

INSTRUMENTATION

pH dependence of the renin reaction: a modification of commercial renin activity radioimmunoassay kits. McDonald JM, et al. **Am J Clin Pathol** 59:858-68, Jun 73
ANGIOTENSIN, metabolism/ BLOOD SPECIMEN COLLECTION/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHODS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, instrumentation/ *RENIN, analysis/ RENIN, metabolism

RADIOLIGAND ASSAY

Evaluation of the resin strip method for measuring serum thyroxin. Van Heerden PD, et al. **S Afr Med J** 47:995-7, 16 Jun 73
HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ ION EXCHANGE RESINS/ MALE/ METHODS/ RADIOLIGAND ASSAY/ *THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *THYROXINE, blood

SPECTROPHOTOMETRY

Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding

globulin technique. May JD, et al.
Poult Sci 52:688-92, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CHICKENS, metabolism/ METHODS/ *SERUM GLOBULINS, diagnostic use/ SPECTROPHOTOMETRY/ *THYROID GLAND, metabolism/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, diagnostic use/ TRIIODOTHYRONINE, blood

SPECTROPHOTOMETRY, ULTRAVIOLET

Protein binding assays for cyclic nucleotides. Gilman AG. **Adv Cyclic Nucleotide Res 2:9-24, 1972**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ MUSCLES, analysis/ MUSCLES, enzymology/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ PROTEIN KINASE, antagonists & inhibitors/ RIBONUCLEOTIDES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. Cavina G, et al.
J Chromatogr 80:89-100, 30 May 73
*ADRENAL CORTEX HORMONES, analysis/ ADSORPTION/ ALCOHOL, METHYL/ ALDOSTERONE, analysis/ CHLOROFORM/ CHROMATOGRAPHY/ CORTICOSTERONE, analysis/ CORTISONE, analysis/ HYDROCORTISONE, analysis/ METHODS/ SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TETRAHYDROCORTISOL, analysis/ TETRAHYDROCORTISONE, analysis/ TISSUE EXTRACTS, analysis

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

A chemical method for the quantitative determination of 2-hydroxyestrone in human urine. Gelbke HP, et al.
Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

SPECTRUM ANALYSIS

Development of a method of X-ray densitometry for bone mineral measurement. Griffith ER, et al.
Am J Phys Med 52:128-49, Jun 73
ALUMINUM/ BONE AND BONES, analysis/ *BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, instrumentation/ FOOT/ HEEL/ HUMAN/ MATHEMATICS/ METHODS/ MINERALS, analysis/ SPECTRUM ANALYSIS

[Determination of iodine by X-ray fluorecence analysis using 241 Am source] Shinogi M, et al.
J Pharm Soc Jap 93:14-9, Jan 73 (Eng. Abstr.) (Jap)
AMERICIUM/ ENGLISH ABSTRACT/ FLUORESCENCE SPECTROMETRY/ *IODINE, analysis/ METHODS/ RADIOISOTOPES/ *SPECTRUM ANALYSIS

STATISTICS

Improved, rapid spectrophotofluorometric method for assay of isoproterenol hydrochloride injections: a comparative study. Prasad VK, et al.
J Pharm Sci 62:1135-40, Jul 73
ANTIOXIDANTS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE SPECTROMETRY/ INDICATORS AND REAGENTS/ *ISOPROTERENOL, analysis/ KETONES, chem synthesis/ METHODS/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STATISTICS/ SULFONIC ACIDS/ TIME FACTORS

ULTRAFILTRATION

Comparison of various filter materials for insulin immunoassay. Krause U, et al.
Horm Metab Res 5:140-1, Mar 73
CELLULOSE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FILTRATION/ GLASS/ HUMAN/ *INSULIN, analysis/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ ULTRAFILTRATION

LIBRARY U. OF I., URBANA-CHAMPAIGN

AUTHOR SECTION

A

1. **Abell E, Samman PD:** Yellow nail syndrome treated by intralesional triamcinolone acetonide.
Br J Dermatol 88:200-1, Feb 73
BRONCHITIS, drug therapy/ EDEMA, drug therapy/ ERYTHEMA, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ *NAILS, MALFORMED, drug therapy/ *TRIAMCINOLONE ACETONIDE, therapeutic use

2. **Aberdeen JD, Santamaria JN:** Yolk sac tumour of the ovary. Aust Paediatr J 8:342-4, Dec 72
CASE REPORT/ CHILD/ *DISGERMINOMA, surgery/ FEMALE/ HUMAN/ LUNG NEOPLASMS, surgery/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, surgery

3. **Abou-Sabe' MA:** Stimulation of cAMP synthesis by glucose in a mutant of E. coli B-r.
Nature [New Biol] 243:182-5, 6 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, biosynthesis/ ENZYME INDUCTION, drug effects/ ENZYME REPRESSION, drug effects/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ *GLUCOSE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ MUTATION/ STIMULATION, CHEMICAL/ TRYPTOPHANASE, biosynthesis

4. **Abraham GE, Buster JE, Kyle FW, et al:** Radioimmunoassay of plasma pregnenolone.
J Clin Endocrinol Metab 37:40-5, Jul 73
CARBODIIMIDES/ CLIMACTERIC/ COMPARATIVE STUDY/ MENSTRUATION/ METHODS/ *PREGNENOLONE, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SHEEP, immunology/ SUCCINATES/ TRITIUM

5. **Abraham GE, Buster JE, Kyle FW, et al:** Radioimmunoassay of plasma pregnenolone, 17-hydroxypregnenolone and dehydroepiandrosterone under various physiological conditions. J Clin Endocrinol Metab 37:140-4, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ CHROMATOGRAPHY/ CLIMACTERIC/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ *HYDROXYPREGNENOLONE, blood/ IMMUNE SERUMS/ INFANT, NEWBORN/ MALE/ MENSTRUATION/ METHODS/ PREGNANCY/ *PREGNENOLONE, blood/ PUBERTY/ RADIOIMMUNOASSAY

6. **Abramsky O, Soffer D, Marks ES:** Diabetes insipidus as a complication of pneumococcal meningitis.
J Am Geriatr Soc 21:232-4, May 73
AGED/ DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, etiology/ HUMAN/ MALE/ *MENINGITIS, PNEUMOCOCCAL, complications/ SPINAL PUNCTURE/ VASOPRESSIN, therapeutic use

7. **Acevedo HF, Campbell EA, Saier EL, et al:** Urinary cholesterol. V. Its excretion in men with testicular and prostatic neoplasms. Cancer 32:196-205, Jul 73
*ADENOCARCINOMA, urine/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *CHOLESTEROL, urine/ *CHORIOCARCINOMA, urine/ *DISGERMINOMA, urine/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ PROSTATIC HYPERTROPHY, urine/ *PROSTATIC NEOPLASMS, urine/ *TERATOID TUMOR, urine/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, urine

8. **Ackerman A, Eidinger D:** Further studies of thymus-bone marrow cell synergism in cutaneous manifestations of delayed hypersensitivity to methylated human serum albumin. The effect of cortisone acetate. Immunology 24:813-22, May 73
ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS, drug effects/ ANTIGEN-ANTIBODY REACTIONS/ *BONE MARROW CELLS, drug effects/ BONE MARROW CELLS, immunology/ BONE MARROW CELLS, radiation effects/ BONE MARROW CELLS, transplantation/ *CORTISONE, pharmacodynamics/ *HYPERSENSITIVITY, DELAYED, immunology/ MALE/ METHYLATION/ MICE/ RADIATION EFFECTS/ *SERUM ALBUMIN/ *THYMUS GLAND, drug effects/ THYMUS GLAND, immunology/ THYMUS GLAND, radiation effects/ THYMUS GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS

9. **Adachi K:** [Experimental studies on myocardial contractility, with special reference to the relationship between effects of cardiac glycoside, and myocardial electrolytes and catecholamines]
Jap Circ J 36:1435-45, Dec 72 (Jap)
ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CATECHOLAMINES, metabolism/ DOGS/ ELECTRIC STIMULATION/ *ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ GUANIDINES, pharmacodynamics/ *HEART, drug effects/ HEART, physiology/ IN VITRO/ MALE/ MECHLORETHAMINE, pharmacodynamics/ *MYOCARDIUM, metabolism/ *OUABAIN, pharmacodynamics/ POTASSIUM, metabolism/ RESERPINE, pharmacodynamics/ SODIUM, metabolism

10. **Adamopoulos DA, Loraine JA, Lunn SF, et al:** Endocrine profiles in premenstrual tension.
Clin Endocrinol (Oxf) 1:283-92, Jul 72
ADULT/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ *GONADOTROPINS, urine/ HUMAN/ *PREGNANEDIOL, urine/ *PREMENSTRUAL TENSION, urine/ *TESTOSTERONE, urine

11. **Adams CE:** The reproductive status of female mink, Mustela vision, recorded as 'failed to mate'.
J Reprod Fertil 33:527-9, Jun 73
*COITUS/ CORPUS LUTEUM, anatomy & histology/ FEMALE/ MALE/ *MINK, physiology/ OVUM/ *REPRODUCTION/ SEX BEHAVIOR, ANIMAL

12. **Adams NR:** Relationship between uterine cysts and ovarian activity in Western Australian ewes.
Aust Vet J 49:176, Mar 73
ANIMAL EXPERIMENTS/ CYSTS, pathology/ *CYSTS, veterinary/ FEMALE/ *OVARY, pathology/ SHEEP/ *SHEEP DISEASES, pathology/ UTERINE DISEASES, pathology/ *UTERINE DISEASES, veterinary

13. **Adams PW, Rose DP, Folkard J, et al:** Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception.
Lancet 1:899-904, 28 Apr 73
ADULT/ AMINES, metabolism/ AMINOTRANSFERASES, metabolism/ BRAIN, metabolism/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, adverse effects/ *DEPRESSION, chemically induced/ DEPRESSION, drug therapy/ ERYTHROCYTES, enzymology/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LIBIDO, drug effects/ LIVER, enzymology/ PLACEBOS/ PROGESTATIONAL HORMONES, adverse effects/ PYRIDOXINE, pharmacodynamics/ *PYRIDOXINE, therapeutic use/ TIME FACTORS/ TRYPTOPHAN, metabolism/ TRYPTOPHAN, urine/ TRYPTOPHAN OXYGENASE, metabolism

14. **al-Adil KM, Kilgore WW:** Incorporation of orally administered radioactive precursors into nucleic acids and ribosomes of housefly ovaries.
J Insect Physiol 19:909-15, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *DNA, biosynthesis/ FEMALE/ *HOUSEFLIES, metabolism/ LEUCINE, metabolism/ OROTIC ACID, metabolism/ OVARY, metabolism/ *RIBOSOMES,

LIBRARY U. OF I. URBANA-CHAMPAIGN

metabolism/ *RNA, biosynthesis/ THYMIDINE, metabolism

15. **Adkins EK:** Functional castration of the female Japanese quail. Physiol Behav 10:619-21, Mar 73
ANIMAL EXPERIMENTS/ *CASTRATION/ *CIRCADIAN RHYTHM/ DARKNESS/ FEMALE/ HOUSING, ANIMAL/ *LIGHT/ ORGAN WEIGHT/ *OVARY, physiology/ OVIDUCTS, anatomy & histology/ QUAIL, physiology/ SEX BEHAVIOR, ANIMAL

16. **Adlercreutz H, Hunneman DH:** Quantitation of up to 12 estrogens in 1-50 l of pregnancy urine.
J Steroid Biochem 4:233-7, Mar 73
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROCHEMISTRY/ *PREGNANCY

17. **Adlersberg L, Singer JM:** Transfer of radioiodinated latex particles from the peritoneal cavity of mice to the mediastinum.
J Reticuloendothel Soc 12:565-91, Dec 72
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BIOLOGICAL TRANSPORT/ DIAPHRAGM, physiology/ ELECTRICITY/ INJECTIONS, INTRAPERITONEAL/ IODINE ISOTOPES/ KIDNEY, physiology/ *LATEX PARTICLES/ LIVER, physiology/ LUNG, physiology/ LYMPH NODES, physiology/ MACROPHAGES, physiology/ *MEDIASTINUM, physiology/ MESENTERY, physiology/ MICE/ OMENTUM, physiology/ PARTICLE SIZE/ *PERITONEAL CAVITY, physiology/ PHAGOCYTOSIS/ SPLEEN, physiology/ SURFACE PROPERTIES/ TIME FACTORS

18. **Afanas'ev IuI, Derevianko VP, Korolev VV, et al:** Gisto-strukturnye izmenaniia gemato-parenkhimatoznogo bar'era i magistral'nykh sosudov v éksperimente.
Arkh Anat Gistol Embriol 63:53-60, Dec 72 (Rus)
*ACCELERATION, adverse effects/ ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ *ANOXIA, pathology/ AORTA, metabolism/ AORTA, pathology/ *BIOLOGICAL TRANSPORT/ BLOOD/ ENDOTHELIUM/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ KIDNEY, blood supply/ LIVER, blood supply/ LIVER, enzymology/ LIVER, pathology/ *MICROCIRCULATION, pathology/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, metabolism/ OXIDOREDUCTASES, metabolism/ *OXYGEN, toxicity/ PULMONARY ARTERY, metabolism/ PULMONARY ARTERY, pathology/ RATS/ SPLEEN, blood supply/ VASA VASORUM, pathology/ VEINS, pathology

19. **Ageev AK:** Opukholi endodermal'nogo sinusa v teratomakh vilochkovoi zhelezy.
Vopr Onkol 19:89-90, May 73 (Rus)
ADULT/ AUTOPSY/ HUMAN/ MALE/ *TERATOID TUMOR, pathology/ *THYMUS NEOPLASMS, pathology

20. **Aghajanian GK, Kuhar MJ, Roth RH:** Serotonin-containing neuronal perikarya and terminals: differential effects of P-chlorophenylalanine. Brain Res 54:85-101, 17 May 73
ANIMAL EXPERIMENTS/ *BRAIN STEM, drug effects/ BRAIN STEM, metabolism/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ DIENCEPHALON, metabolism/ *FLUORESCENCE/ GANGLIA, BASAL, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ LIMBIC SYSTEM, metabolism/ MALE/ MESENCEPHALON, metabolism/ MICROSCOPY, FLUORESCENCE/ PARGYLINE, pharmacodynamics/ RATS/ *RETICULAR FORMATION, drug effects/ RETICULAR FORMATION, metabolism/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, biosynthesis/ TRYPTAMINES, metabolism/ TRYPTOPHAN, pharmacodynamics

21. **Agosti E:** Deficit di galattosio-uridil-transferasi in un paziente con trisomia 21.
Quad Sclavo Diagn 8:199-203, Mar 72 (Ita)
CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 21-22/ ENGLISH ABSTRACT/ ERYTHROCYTES, enzymology/ *GALACTOSEMIA, enzymology/ HUMAN/ KARYOTYPING/ MALE/ NUCLEOTIDYLTRANSFERASES, metabolism/ *TRISOMY/ TURNER'S SYNDROME, enzymology

22. **Agrawal VC, Sinha YP:** Studies on the bacula of some Oriental bats. Anat Anz 133:180-92, 1973
ANIMAL EXPERIMENTS/ *BONE AND BONES, anatomy & histology/ *CHIROPTERA, anatomy & histology/ MALE/ *PENIS, anatomy & histology/ SPECIES SPECIFICITY

23. **Aguilar JH, Jacobs HG, Butler WT, et al:** The distribution of carbohydrate groups in rat skin collagen. J Biol Chem 248:5106-13, 25 Jul 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ CITRATES/ CLOSTRIDIOPEPTIDASE A/ *COLLAGEN, analysis/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ GLYCOPEPTIDES, analysis/ *GLYCOPEPTIDES, isolation & purification/ HEXOSES, analysis/ HYDROGEN-ION CONCENTRATION/ LATHYRISM, metabolism/ MALE/ OSMOLAR CONCENTRATION/ PEPTIDES, analysis/ PROTEIN DENATURATION/ RATS/ *SKIN, analysis/ SODIUM/ THIOCYANATES/ TRYPSIN

24. **Aherne W:** The pathology of sudden unexpected death in childhood. J Forensic Sci Soc 12:585-6, Oct 72
ADRENAL GLANDS, pathology/ AUTOPSY/ BRONCHIOLITIS, VIRAL, pathology/ CHILD, PRESCHOOL/ *DEATH, SUDDEN/ EPIGLOTTIS, pathology/ HEART DEFECTS, CONGENITAL/ HEMORRHAGE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENINGITIS, MENINGOCOCCIC, pathology/ MOUTH DISEASES, pathology/ SEPTICEMIA, pathology/ SKIN MANIFESTATIONS

25. **Ahmad N, Haltmeyer GC, Eik-Nes KB:** Maintenance of spermatogenesis in rats with intratesticular implants containing testosterone or dihydrotestosterone (DHT). Biol Reprod 8:411-9, May 73
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY, adverse effects/ MALE/ RATS/ SILICONE ELASTOMERS/ *SPERMATOGENESIS, drug effects/ TESTIS, anatomy & histology/ *TESTIS, drug effects/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

26. **Aho AJ, Heinonen R, Laurén P:** Benign and malignant mucocele of the appendix. Histological types and prognosis. Acta Chir Scand 139:392-400, 1973
ADULT/ AGED/ *APPENDIX/ CYSTADENOMA, MUCINOUS, complications/ EPITHELIAL CELLS/ FEMALE/ FINLAND/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ *MUCOCELE/ MUCOCELE, classification/ MUCOCELE, complications/ MUCOCELE, diagnosis/ MUCOCELE, mortality/ MUCOCELE, occurrence/ MUCOCELE, pathology/ OVARIAN NEOPLASMS, complications/ PROGNOSIS

27. **Ahtee L, Eriksson K:** Regional distribution of brain 5-hydroxytryptamine in rat strains selected for their alcohol intake. Ann NY Acad Sci 215:126-34, 30 Apr 73
ALCOHOL DRINKING/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ DISEASE MODELS, ANIMAL/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism

8. **Ahtee L, Käärläinen I:** 5-hydroxytryptamine in platelets and brain of rabbits treated chronically with imipramine, morphine or methadone. Naunyn Schmiedebergs Arch Pharmacol 277:429-36, 30 Apr 73
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, metabolism/ BRAIN CHEMISTRY/ HYDROXYINDOLEACETIC ACID, analysis/ *IMIPRAMINE, administration & dosage/ MALE/ *METHADONE, administration & dosage/ *MORPHINE, administration & dosage/ RABBITS/ SEROTONIN, analysis/ SEROTONIN, blood/ *SEROTONIN, metabolism/ TIME FACTORS

9. **Ahtee L, Käärläinen I, Paasonen MK:** Effect of nalorphine and antiparkinsonian drugs on methadone-induced rigidity; relation to homovanillic acid content of nucleus caudatus. Ann Med Exp Biol Fenn 50:180-5, 1972
*AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ BODY TEMPERATURE, drug effects/ BRAIN, metabolism/ *CAUDATE NUCLEUS, metabolism/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORESCENCE SPECTROMETRY/ HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ METHADONE, administration & dosage/ *METHADONE, antagonists & inhibitors/ METHADONE, pharmacodynamics/ *MUSCLE RIGIDITY/ MUSCLE TONUS, drug effects/ *NALORPHINE, pharmacodynamics/ PARASYMPATHOLYTICS, pharmacodynamics/ *PHENYLACETATES, metabolism/ RATS/ SEROTONIN, metabolism/ TRIHEXYPHENIDYL, pharmacodynamics

10. **Aire TA:** The development of the testis in the dwarf Nigerian ram lamb. Res Vet Sci 14:104-6, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ EPIDIDYMIS, anatomy & histology/ MALE/ ORGAN WEIGHT/ SEMINAL VESICLES, anatomy & histology/ *SHEEP, growth & development/ SPERMATOGENESIS/ SPERMATOZOA/ TESTIS, anatomy & histology/ *TESTIS, growth & development

11. **Aivazian LK:** Vliianie tservikal'noi simpatektomii na funktsional'nuiu aktivnost' shshitovidnoi zhelezy v usloviiakh oslableniia tireotropnoi funktsii gipofiza. Zh Eksp Klin Med 12:13-8, 1972 (Rus)
ANIMAL EXPERIMENTS/ *CERVICAL PLEXUS, physiology/ MALE/ *PITUITARY GLAND, physiology/ RATS/ *SYMPATHECTOMY/ *THYROID GLAND, physiopathology/ THYROID HORMONES, biosynthesis

12. **Alyer MS, Fink G, Greig F:** Sensitivity of the anterior pituitary gland to luteinizing hormone releasing factor (LRF) during pro-oestrus in the rat. J Physiol (Lond) 231:32P-34P, May 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LH/ LH, blood/ LH, secretion/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

13. **Aizawa F, Tagawa S, Asano H, et al:** Clinical and histopathologic studies of exophthalmos. Ann Ophthalmol 5:805-16, Jul 73
ADULT/ AGED/ CHILD/ *EXOPHTHALMOS, etiology/ EXOPHTHALMOS, pathology/ EYE DISEASES, complications/ EYE DISEASES, pathology/ FEMALE/ *HEMANGIOMA, complications/ HEMANGIOMA, pathology/ *HEMANGIOMA, CAVERNOUS, complications/ HEMANGIOMA, CAVERNOUS, pathology/ HUMAN/ *LYMPHOMA, complications/ LYMPHOMA, pathology/ MALE/ MIDDLE AGE/ *NEURILEMMOMA, complications/ NEURILEMMOMA, pathology/ *ORBIT/ ORBIT, pathology/ *ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, pathology

34. **Ajayi OO, Adekunle O:** Non-malignant breast masses in an African population. Br J Surg 60:465-8, Jun 73
ADENOFIBROMA, diagnosis/ ADENOFIBROMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ BIOPSY/ BREAST DISEASES, diagnosis/ BREAST DISEASES, drug therapy/ *BREAST DISEASES, occurrence/ BREAST DISEASES, surgery/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, surgery/ FEMALE/ GYNECOMASTIA, diagnosis/ HUMAN/ LACTATION/ MALE/ MIDDLE AGE/ NIGERIA/ PARITY

35. **Ajika K, Hökfelt T:** Ultrastructural identification of catecholamine neurones in the hypothalamic periventricular-arcuate nucleus-median eminence complex with special reference to quantitative aspects. Brain Res 57:97-117, 16 Jul 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CATECHOLAMINES/ *CEREBRAL VENTRICLES, cytology/ DISULFIDES, pharmacodynamics/ DOPAMINE, analysis/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ *NEURONS/ NOREPINEPHRINE, analysis/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ STAINS AND STAINING/ SYNAPTIC VESICLES/ *THALAMIC NUCLEI, cytology

36. **Akerblom HK, Martin JM, Gary GL:** Relative role of cortisone and growth hormone on glucose intolerance and insulin secretion in rat. Horm Metab Res 5:34-7, Jan 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ *BLOOD SUGAR, metabolism/ CORTISONE/ *CORTISONE, pharmacodynamics/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, etiology/ DISEASE MODELS, ANIMAL/ FASTING/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HYPERINSULINISM, chemically induced/ INSULIN, blood/ *INSULIN, blood/ INSULIN, secretion/ *NEOPLASMS, EXPERIMENTAL, metabolism/ PANCREAS, drug effects/ PANCREAS, metabolism/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, pharmacodynamics

37. **Akiba Y, Matsumoto T:** Thyroid function of chicks after withdrawal of (-)-5-vinyl-2-oxazolidinethione, a goitrogen in rapeseed. Poult Sci 52:562-7, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BLOOD PROTEINS/ *CHICKENS, metabolism/ DIIODOTYROSINE, metabolism/ GOITER, chemically induced/ GOITER, metabolism/ GOITER, veterinary/ IODINE, blood/ IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, metabolism/ OXAZOLES, administration & dosage/ *OXAZOLES, pharmacodynamics/ *PLANTS/ POULTRY DISEASES, metabolism/ PROTEIN BINDING/ THYROID ANTAGONISTS, administration & dosage/ *THYROID ANTAGONISTS, pharmacodynamics/ *THYROID GLAND, metabolism/ THYROID HORMONES, biosynthesis/ THYROXINE, biosynthesis/ THYROXINE, blood/ TRIIODOTHYRONINE, biosynthesis

38. **Akimova IM:** Anomalii razvitiia skeleta embrionov krys posle deistviia khloridina (pirimetamina. Arkh Anat Gistol Embriol 63:77-83, Aug 72 (Rus)
*ABNORMALITIES, DRUG-INDUCED/ *ABNORMALITIES, MULTIPLE, chemically induced/ ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/

LIBRARY U. OF I., URBANA-CHAMPAIGN

GESTATIONAL AGE/ PREGNANCY/ *PYRIMETHAMINE, toxicity/ RATS

39. **Akiyama T, Yamaura N:** [Clinical application of macrophage migration inhibition test]
Jap J Clin Pathol 21:52-8, Jan 73 (7 ref.) **(Jap)**
ANTIGENS, analysis/ ANTIGENS, NEOPLASM/ AUTOIMMUNE DISEASES, immunology/ BREAST NEOPLASMS, diagnosis/ *CELL MIGRATION INHIBITION/ COLONIC NEOPLASMS, diagnosis/ CROSS REACTIONS/ ESOPHAGEAL NEOPLASMS, diagnosis/ FEMALE/ FETUS, immunology/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ INFECTION, diagnosis/ KIDNEY, transplantation/ LUNG NEOPLASMS, diagnosis/ *MACROPHAGES, immunology/ MYOMA, diagnosis/ PREGNANCY/ PROGNOSIS/ RABBITS, immunology/ REVIEW/ STOMACH NEOPLASMS, diagnosis/ THYROID NEOPLASMS, diagnosis/ TRANSPLANTATION, HOMOLOGOUS/ UTERINE NEOPLASMS, diagnosis

40. **Akram H, Zeis A, Weniger JP:** Biosynthèse d'oestrogènes par l'ovaire de l'embryon de poulet hypophysectomisé: aspect quantitatif.
C R Acad Sci [D] (Paris) 276:359-61, 15 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ CHROMATOGRAPHY/ *ESTROGENS, biosynthesis/ ESTROGENS, isolation & purification/ FEMALE/ HYPOPHYSECTOMY/ METHYLATION/ OVARY, embryology/ *OVARY, metabolism/ *PITUITARY GLAND, physiology

41. **Alarcón-Segovia DA, Cetina JA, Díaz-Jouanen E:** Sarcroiliac joints in primary gout. Clinical and roentgenographic study of 143 patients.
Am J Roentgenol Radium Ther Nucl Med 118:438-43, Jun 73
ADOLESCENCE/ ADULT/ AGED/ CHRONIC DISEASE/ CREATININE, blood/ FEMALE/ GOUT, blood/ *GOUT, radiography/ GOUT, urine/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, radiography/ *SACROILIAC JOINT, radiography/ URIC ACID, blood/ URIC ACID, urine

42. **Alberman ED:** Maternal x-radiation and chromosome abnormalities in subsequent conceptions.
Br J Prev Soc Med 27:67-8, Feb 73
*ABORTION, occurrence/ CHILD/ *CHROMOSOME ABNORMALITIES, occurrence/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MONGOLISM, occurrence/ *OVARY, radiation effects/ PREGNANCY/ RADIATION DOSAGE/ *RADIATION EFFECTS

43. **Alekperov II, Knabengof VG, Vinokurova MI:** O narusheniiakh funktsii miokarda pri deistvii uglevodorodov (obzor literatury.
Gig Tr Prof Zabol 16:39-41, Dec 72 **(Rus)**
ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ BLOOD CIRCULATION, drug effects/ BRADYCARDIA, chemically induced/ CALCIUM, metabolism/ CHEMICAL INDUSTRY/ ELECTROCARDIOGRAPHY/ ENVIRONMENTAL EXPOSURE/ *HEART, drug effects/ HEART DISEASES, chemically induced/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ HYDROCARBONS, blood/ *HYDROCARBONS, pharmacodynamics/ HYDROCARBONS, toxicity/ HYPOTENSION, chemically induced/ OCCUPATIONAL DISEASES, chemically induced/ OCCUPATIONAL DISEASES, physiopathology/ PETROLEUM/ REVIEW/ VECTORCARDIOGRAPHY

44. **Aleksic SN, George AE:** Dementia and low-pressure hydrocephalus in a patient with pituitary adenoma.
J Neurol Sci 19:341-9, Jul 73
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, radiography/ ADENOMA, CHROMOPHOBE, surgery/ CEREBRAL ANGIOGRAPHY/ CEREBROSPINAL FLUID PROTEINS, analysis/ *DEMENTIA, PRESENILE, etiology/ ELECTROENCEPHALOGRAPHY/ HUMAN/ *HYDROCEPHALUS, etiology/ INTRACRANIAL PRESSURE/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, surgery/ PNEUMOENCEPHALOGRAPHY/ VENTRICULOGRAPHY

45. **Alers JO, Asavasena W, Suvanavejh C, et al:** Studies in family planning. 8. Thailand.
Stud Fam Plann 4:124-7, May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ FINANCING, GOVERNMENT/ FOLLOW-UP STUDIES/ HUMAN/ INTERNATIONAL AGENCIES/ INTRAUTERINE DEVICES/ MALE/ PREGNANCY/ STATISTICS/ STERILITY, FEMALE/ STERILIZATION, SEXUAL/ STERILIZATION, TUBAL/ THAILAND

46. **Aleshin BV:** Znachennia priamykh nervovykh impul'siv u rehuliatsii shchytovydnoi zalozy.
Fiziol Zh 19:263-71, Mar-Apr 73 (112 ref.) **(Ukr)**
ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CERVICAL PLEXUS, physiology/ EPINEPHRINE, pharmacodynamics/ EVOKED POTENTIALS/ GANGLIA, AUTONOMIC, physiology/ GOITER, physiopathology/ HUMAN/ METHYLTHIOURACIL, pharmacodynamics/ NEURAL TRANSMISSION/ NEURONS, AFFERENT, physiology/ NEURONS, EFFERENT, physiology/ NEUROSECRETION/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ REVIEW/ SEROTONIN, pharmacodynamics/ THYROID GLAND, innervation/ *THYROID GLAND, physiology/ THYROID GLAND, secretion/ THYROID HORMONES, secretion/ THYROIDECTOMY/ THYROTROPIN, physiology

47. **Alford C, Hollinshead AC, Heberman RB:** Delayed cutaneous hypersensitivity reactions to extracts of malignant and normal breast cells.
Ann Surg 178:20-4, Jul 73
ANTIGENS, administration & dosage/ *ANTIGENS, NEOPLASM/ BREAST DISEASES, immunology/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, immunology/ CELL COUNT/ CELL MEMBRANE, immunology/ CROSS REACTIONS/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ *HYPERSENSITIVITY, DELAYED/ IMMUNITY, CELLULAR/ LYMPHATIC METASTASIS/ METHODS/ NEOPLASM METASTASIS/ NEOPLASMS, immunology/ REMISSION/ *SKIN TESTS

48. **Alink HR:** Collection and preservation of a 24-h pregnancy urine, for the gas-chromatographic determination of pregnanediol and oestriol.
Clin Chim Acta 45:195, 30 Apr 73
CHROMATOGRAPHY, GAS/ *CIRCADIAN RHYTHM/ DRUG STABILITY/ *ESTRIOL, urine/ FEMALE/ HEAT/ HUMAN/ METHODS/ *PREGNANCY/ *PREGNANEDIOL, urine/ SNAILS/ SPECIMEN HANDLING

49. **Allaverdian AG, Manukian SA, Simavorian PS:** [sravnitel'noi morfologii nekotorykh organov pr eksperimental'nom pankreatite.
Zh Eksp Klin Med 12:25-31, 1972 **(Rus)**
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ DOGS/ ETHYL CHLORIDE, pharmacodynamics/ FEMALE/ KIDNEY, pathology/ LIGATION/ LIVER, pathology/ MALE/ PANCREATITIS, chemically induced/ *PANCREATITIS, pathology/ TIME FACTORS

50. **Allen A, Ramon T, Jacobson A, et al:** In vitro studies human tumor and embryonic tissue.
Am J Obstet Gynecol 116:463-9, 15 Jun 73
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ BREAST NEOPLASMS/

CELL COUNT/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CERVIX NEOPLASMS/ CYTOLOGICAL TECHNICS/ EMBRYO/ FEMALE/ HUMAN/ KARYOTYPING/ LUNG NEOPLASMS/ METHODS/ MITOSIS, drug effects/ *NEOPLASMS/ OVARIAN NEOPLASMS/ SARCOMA, OSTEOGENIC/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

. **Allen EL, Metz EN, Balcerzak SP:** Acute myelomonocytic leukemia with macroglobulinemia, Bence Jones proteinuria, and hypercalcemia. Cancer 32:121-9, Jul 73
AGED/ *BENCE JONES PROTEIN, urine/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, complications/ *LEUKEMIA, MYELOBLASTIC, complications/ *MACROGLOBULINEMIA, complications/ MULTIPLE MYELOMA, complications/ *PROTEINURIA, complications/ REMISSION

. **Allen LH, Zeman FJ:** Influence of increased postnatal nutrient intake on kidney cellular development in progeny of protein-deficient rats.
J Nutr 103:929-36, Jun 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BODY WEIGHT/ DNA, metabolism/ FEMALE/ KIDNEY, cytology/ *KIDNEY, growth & development/ KIDNEY, metabolism/ KIDNEY, pathology/ KIDNEY, physiology/ KIDNEY GLOMERULUS, growth & development/ KIDNEY TUBULES, PROXIMAL, growth & development/ LACTATION/ MATERNAL-FETAL EXCHANGE/ NEPHRONS, growth & development/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PROTEIN DEFICIENCY/ PROTEIN DEFICIENCY, metabolism/ PROTEIN DEFICIENCY, pathology/ PROTEINS, metabolism/ RATS/ WEANING

. **Allen WR, Rowson LE:** Control of the mare's oestrous cycle by prostaglandins.
J Reprod Fertil 33:539-43, Jun 73
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ *HORSES, physiology/ OVULATION, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, toxicity/ TIME FACTORS/ UTERUS, drug effects

. **Allison AC:** Interactions of thymus-dependent and bone-marrow-derived lymphocytes in immunological tolerance. Proc R Soc Med 66:463-5, May 73 (19 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS/ ANTIGENS, administration & dosage/ AUTOANTIBODIES/ AUTOANTIGENS/ ERYTHROCYTES, immunology/ GAMMA GLOBULIN/ HUMAN/ *IMMUNE TOLERANCE/ *B-LYMPHOCYTES, immunology/ *T-LYMPHOCYTES, immunology/ REVIEW/ SERUM ALBUMIN/ THYROGLOBULIN

. **Allison SP:** Carbohydrate and fluid metabolism in trauma. Proc R Soc Med 66:484-5, May 73 (12 ref.)
*CARBOHYDRATES, metabolism/ CATECHOLAMINES, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ HYPERNATREMIA/ INSULIN, secretion/ REVIEW/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE/ *WOUNDS AND INJURIES, metabolism

. **Allred JB, Roehrig KL:** Metabolic oscillations and food intake. Fed Proc 32:1727-30, Jun 73 (44 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CHICKENS/ DIETARY CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ *FEEDING BEHAVIOR/ LIGASES, metabolism/ LIPIDS, biosynthesis/ LIPIDS, blood/ LIVER, enzymology/ *LIVER, metabolism/ *PERIODICITY/ RATS/ REVIEW/ STARVATION, metabolism

57. **Allred JB, Roehrig KL:** Inhibition of rat liver acetyl coenzyme A carboxylase by N 6 ,O 2' -dibutyryl cyclic adenosine 3':5'-monophosphate in vitro.
J Biol Chem 248:4131-3, 10 Jun 73
ACETYL COA CARBOXYLASE, antagonists & inhibitors/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ *LIGASES, antagonists & inhibitors/ LIGASES, metabolism/ LIPIDS, biosynthesis/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ RATS/ TRITIUM

58. **Almeyda J, Fry L:** Controlled trial of the treatment of atopic eczema with a urea-hydrocortisone preparation versus betamethasone 17-valerat.
Br J Dermatol 88:493-5, May 73
ADOLESCENCE/ ADULT/ AGED/ *BETAMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DERMATITIS, ATOPIC, drug therapy/ ECZEMA, complications/ *ECZEMA, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ ICHTHYOSIS, complications/ INFANT/ MALE/ MIDDLE AGE/ UREA/ VALERATES

59. **Alspaugh MA, Davis WC:** Comparison of partially purified H-2 antigens extracted with four ionic agents by microcomplement fixation.
Transplantation 15:270-81, Mar 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BENZOATES/ CATTLE/ CELL LINE/ CHROMATOGRAPHY, ION EXCHANGE/ *COMPLEMENT FIXATION TESTS/ ELECTROPHORESIS, DISK/ FIBROSARCOMA/ GEL FILTRATION/ HEART, transplantation/ *HISTOCOMPATIBILITY ANTIGENS, isolation & purification/ IMMUNE SERUMS/ IMMUNOGLOBULINS/ MICE/ MICE, INBRED C57BL/ MOLECULAR WEIGHT/ POTASSIUM/ POTASSIUM CHLORIDE/ SKIN, transplantation/ SPLEEN, cytology/ SPLEEN, immunology/ THIOCYANATES/ TRANSPLANTATION, HOMOLOGOUS/ TROMETHAMINE

60. **Altmann P, Spona J:** Variations of luteinizing hormone (LH) and blood platelets levels and preovulatory changes in vagina and cervix during the ovulatory cycle. Endocrinol Exp (Bratisl) 7:137-40, 1973
BLOOD CELL COUNT/ *BLOOD PLATELETS/ CERVIX MUCUS/ CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ *LH, blood/ MENSTRUATION/ *OVULATION/ RADIOIMMUNOASSAY/ *VAGINA, cytology/ VAGINAL SMEARS

61. **Alton-Mackey MG, Walker BL:** Graded levels of pyridoxine in the rat diet during gestation and the physical and neuromotor development of offspring.
Am J Clin Nutr 26:420-8, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BEHAVIOR, ANIMAL/ BIRTH WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FERTILITY, drug effects/ GROOMING/ GROWTH/ INCISOR, growth & development/ LACTATION/ MATERNAL-FETAL EXCHANGE/ MOTOR SKILLS/ NERVOUS SYSTEM, growth & development/ PREGNANCY/ *PREGNANCY, ANIMAL/ PREGNANCY COMPLICATIONS/ PYRIDOXINE, administration & dosage/ *PYRIDOXINE, pharmacodynamics/ PYRIDOXINE, therapeutic use/ PYRIDOXINE DEFICIENCY/ RATS/ REFLEX/ STARTLE REACTION/ TOOTH ERUPTION

62. **Amer MS, Mayol RF:** Studies with phosphodiesterase. 3. Two forms of the enzyme from human blood platelets. Biochim Biophys Acta 309:149-56, 5 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, enzymology/ CALCIUM,

LIBRARY U OF I., URBANA-CHAMPAIGN

pharmacodynamics/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ EDTA, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HUMAN/ *ISOENZYMES, analysis/ KINETICS/ MAGNESIUM, pharmacodynamics/ PHOSPHODIESTERASES, analysis/ *PHOSPHODIESTERASES, blood/ PHOSPHODIESTERASES, isolation & purification

63. **Amir J, Krauss S:** Treatment of thrombotic thrombocytopenic purpura with antiplatelet drugs.
Blood 42:27-33, Jul 73
ADOLESCENCE/ *ASPIRIN, administration & dosage/ *ASPIRIN, therapeutic use/ BLOOD CELL COUNT/ BLOOD COAGULATION TESTS/ BLOOD PLATELETS/ CELL AGGREGATION/ DIPYRIDAMOLE, administration & dosage/ *DIPYRIDAMOLE, therapeutic use/ DISSEMINATED INTRAVASCULAR COAGULATION, diagnosis/ FEMALE/ FIBRIN, metabolism/ HEMATOCRIT/ HEPARIN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *PURPURA, THROMBOTIC THROMBOPENIC, drug therapy/ PURPURA, THROMBOTIC THROMBOPENIC, pathology/ PURPURA, THROMBOTIC THROMBOPENIC, surgery/ REMISSION/ RETICULOCYTES/ SPLEEN, pathology/ SPLENECTOMY

64. **Amir SM, Carraway TF Jr, Kohn LD, et al:** The binding of thyrotropin to isolated bovine thyroid plasma membranes.
J Biol Chem 248:4092-100, 10 Jun 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CARBOHYDRATES, pharmacodynamics/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ GAMMA GLOBULIN, pharmacodynamics/ LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MICROSCOPY, ELECTRON/ OSMOLAR CONCENTRATION/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ RECEPTORS, HORMONE/ TEMPERATURE/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ THYROTROPIN, antagonists & inhibitors/ *THYROTROPIN, metabolism/ THYROTROPIN, pharmacodynamics/ TRITIUM

65. **Amit Z, Corcoran ME, Charness ME, et al:** Intake of diazepam and hashish by alcohol preferring rats deprived of alcohol.
Physiol Behav 10:523-7, Mar 73
*ALCOHOL DRINKING/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *CANNABIS/ *DIAZEPAM/ *DRINKING/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ MALE/ MOTIVATION/ OSMOLAR CONCENTRATION/ RATS/ SOLUTIONS/ *TASTE/ TETRAHYDROCANNABINOL/ WATER

66. **Ammann AJ, Wara DW, Salmon S, et al:** Thymus transplantation. Permanent reconstitution of cellular immunity in a patient with sex-linked combined immunodeficiency.
N Engl J Med 289:5-9, 5 Jul 73
ANTIBODIES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FETUS/ GESTATIONAL AGE/ GRAFT VS HOST REACTION/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HUMAN/ *IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, therapy/ INFANT/ INFANT, NEWBORN/ LEUKOCYTE COUNT/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, immunology/ MALE/ PHENOTYPE/ SEX CHROMOSOMES/ *THYMUS GLAND, transplantation/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

67. **Amtmann E, Oyama J:** Changes in functional construction of bone in rats under conditions of simulated increased gravity.
Z Anat Entwicklungsgesch 139:307-18, 16 Apr 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BONE AND BONES, physiology/ BONE DEVELOPMENT/ CENTRIFUGATION/ FEMALE/ FEMUR, growth & development/ FEMUR, physiology/ *GRAVITATION/ IMMOBILIZATION/ RATS/ TIME FACTORS

68. **Anast CS, Mohs JM, Kaplan SL, et al:** Magnesium, vitamin D, and parathyroid hormone.
Lancet 1:1389-90, 16 Jun 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, etiology/ *MAGNESIUM, metabolism/ MAGNESIUM DEFICIENCY, etiology/ *PARATHYROID HORMONE, metabolism/ *VITAMIN D, metabolism

69. **Andersen BF:** Iodide perchlorate discharge test in lithium-treated patients.
Acta Endocrinol (Kbh) 73:35-42, May 73
ADULT/ FEMALE/ GOITER, chemically induced/ GOITER, diagnosis/ GOITER, metabolism/ *GOITER, physiopathology/ HUMAN/ IODIDES, diagnostic use/ IODINE ISOTOPES, DIAGNOSTIC/ LITHIUM, adverse effects/ LITHIUM, blood/ MALE/ METHODS/ MIDDLE AGE/ PERCHLORIC ACIDS, diagnostic use/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS

70. **Anderson DC, Marshall JC, Young JL, et al:** Stimulation tests of pituitary-Leydig cell function in normal male subjects and hypogonadal men.
Clin Endocrinol (Oxf) 1:127-40, Apr 72
ADOLESCENCE/ ADULT/ CHILD/ CLOMIPHENE, adverse effects/ CLOMIPHENE, diagnostic use/ CRYPTORCHISM, physiopathology/ ENDOCRINE DISEASES, physiopathology/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ HYPOGONADISM, diagnosis/ *HYPOGONADISM, physiopathology/ HYPOPITUITARISM, physiopathology/ KLINEFELTER'S SYNDROME, physiopathology/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, physiology/ LH, blood/ MALE/ MENTAL DISORDERS, chemically induced/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ PROTEIN BINDING/ PUBERTY/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ TESTICULAR DISEASES, physiopathology/ TESTOSTERONE, blood

71. **Anderson DL, Thompson GW:** Interrelationships and sex differences of dental and skeletal measurements.
J Comp Neurol 52:431-8, May-Jun 73
ADOLESCENCE/ ADULT/ ANTHROPOMETRY/ *CEPHALOMETRY/ CHILD/ CHILD, PRESCHOOL/ CUSPID, anatomy & histology/ FEMALE/ FINGERS, anatomy & histology/ FINGERS, growth & development/ *FORENSIC DENTISTRY/ GROWTH/ HUMAN/ MALE/ MANDIBLE/ ODONTOMETRY/ SEX CHROMOSOMES/ SEX FACTORS/ *TOOTH, anatomy & histology/ TOOTH ERUPTION

72. **Anderson PJ, Gibson D:** The amino acid sequence of the N-terminal region of aldolase.
Can J Biochem 51:514-9, May 73
*ALDOLASE, analysis/ ALKYLATION/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ ELECTROPHORESIS, PAPER/ FISHES/ FRUCTOSEDIPHOSPHATE ALDOLASE, analysis/ GEL FILTRATION/ *MUSCLES, enzymology/ PANCREATOPEPTIDASE/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ RABBITS/ SPECIES SPECIFICITY/ THIOCYANATES/ TRYPSIN

73. **Anderson WB, Johnson GS, Pastan I:** Transformation of chick-embryo fibroblasts by wild-type and temperature-sensitive Rous sarcoma virus alter

adenylate cyclase activity.
Proc Natl Acad Sci USA 70:1055-9, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CHICK EMBRYO/ *FIBROBLASTS, enzymology/ KINETICS/ MAGNESIUM, pharmacodynamics/ MUTATION/ *ROUS SARCOMA VIRUS/ TEMPERATURE/ TIME FACTORS

. **Anderson WB, Lovelace E, Pastan I:** Adenylate cyclase activity is decreased in chick embryo fibroblasts transformed by wild type and temperature sensitive Schmidt-Ruppin Rous sarcoma virus.
Biochem Biophys Res Commun 52:1293-9, 19 Jun 73
*ADENYL CYCLASE, metabolism/ CELL TRANSFORMATION, NEOPLASTIC/ CHICK EMBRYO/ ENZYME ACTIVATION/ FIBROBLASTS, drug effects/ *FIBROBLASTS, enzymology/ FIBROBLASTS, microbiology/ FLUORIDES, pharmacodynamics/ GENETICS, MICROBIAL/ KINETICS/ MAGNESIUM, pharmacodynamics/ MUTATION/ PHOSPHORUS ISOTOPES/ *ROUS SARCOMA VIRUS/ TEMPERATURE

. **Anding C, Ourisson G:** Presence of ergosterol in light-grown and dark-grown Euglena gracilis Z.
Eur J Biochem 34:345-6, Apr 73
DARKNESS/ ERGOSTEROL, analysis/ *EUGLENA GRACILIS, analysis/ LIGHT/ STIGMASTEROL, analysis/ *VITAMIN D, analysis

. **Ando N:** Side chain cleavage activity for the bound cholesterol of P450 from bovine adrenocortical mitochondria. J Biochem (Tokyo) 73:459-61, Feb 73
*ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHEMISTRY/ *CHOLESTEROL, analysis/ *CYTOCHROME P-450, analysis/ *MITOCHONDRIA, analysis/ PREGNENOLONE, analysis

. **Ando Y:** [Hormones and pharmacology]
Jap J Nurs Art 19:27-36, May 73 (Jap)
HORMONES, pharmacodynamics/ SPECIAL LIST NURSING

. **Andreev PP:** Osobennosti trofiki kostnoi i khriashchevoi tkanei.
Veterinariia 49:84-7, Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ BONE AND BONES, physiopathology/ *CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, physiopathology/ CONTRAST MEDIA/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRA-ARTICULAR

. **Andress D, Mousseron-Canet M, Raynal F:** Le récepteur 5 S aestradiol, les protéines acides du noyau et l'ARN polymerase nucléoplasmique dans l'endomètre de génisse.
C R Acad Sci [D] (Paris) 276:97-9, 3 Jan 73 (Fre)
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CATTLE/ CELL NUCLEOLUS, enzymology/ CYTOPLASM/ DNA/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ FEMALE/ NUCLEOPROTEINS/ PHOSPHORIC ACIDS/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ *RNA, MESSENGER, biosynthesis/ *RNA POLYMERASE, antagonists & inhibitors

. **Andrew RJ:** Changes in search behaviour in male and female chicks, following different doses of testosterone. Anim Behav 20:741-50, Nov 72
AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ ATTENTION, drug effects/ BODY WEIGHT, drug effects/ *CHICKENS/ *COGNITION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FEEDING BEHAVIOR, drug effects/ HOME RANGE/ HOUSING, ANIMAL/ HYPOTHALAMUS, drug effects/ LOCOMOTION, drug effects/ MODELS, NEUROLOGIC/ SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ VISUAL PERCEPTION

81. **Andrews EJ:** The effect of sex hormones on the juxtaglomerular index of female mice.
Experientia 29:715-6, 15 Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ CYTOPLASMIC GRANULES, drug effects/ FEMALE/ JUXTAGLOMERULAR APPARATUS, cytology/ *JUXTAGLOMERULAR APPARATUS, drug effects/ MALE/ MICE/ *PROGESTERONE, pharmacodynamics/ STAINS AND STAINING/ *TESTOSTERONE, pharmacodynamics

82. **Andrews JW, Murai T, Campbell C:** Effects of dietary calcium and phosphorus on growth, food conversion, bone ash and hematocrit levels of catfish.
J Nutr 103:766-71, May 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BODY WEIGHT/ *BONE AND BONES, metabolism/ *CALCIUM, DIETARY/ CALCIUM, DIETARY, administration & dosage/ CALCIUM, DIETARY, metabolism/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FISHES, metabolism/ HEMATOCRIT/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, prevention & control/ INOSITOL, metabolism/ MINERALS, metabolism/ NUTRITIONAL REQUIREMENTS/ *PHOSPHORUS/ PHOSPHORUS, administration & dosage/ PHOSPHORUS, metabolism/ SKULL/ SPINE

83. **Anisuzzaman AK, Lake WC, Whistler RL:** 4'-Thioadenosine 3'5'-cyclic phosphate and derivatives. Chemical synthesis and hydrolysis by phosphodiesterase. Biochemistry 12:2041-5, 22 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, chem synthesis/ BINDING SITES/ BUTYRATES/ CATTLE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYCLIZATION/ HYDROLYSIS/ KINETICS/ MYOCARDIUM, enzymology/ OPTICAL ROTATORY DISPERSION/ *PHOSPHODIESTERASES/ PHOSPHODIESTERASES, antagonists & inhibitors/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFIDES/ SULFIDES, chem synthesis

84. **Anjos MN dos:** Recording the size of thyroid nodules.
N Engl J Med 289:160-1, 19 Jul 73
*GOITER, pathology/ HUMAN/ MEDICAL RECORDS/ METHODS

85. **Annat G, Pequignot JM, Vincent M, et al:** Etude des sécrétions de rénine et des catecholamines dans un cas d'hypotension artérielle orthostatique: son intérêt physiopathologique.
Lyon Med 228:691-6, 10 Dec 72 (Fre)
ENGLISH ABSTRACT/ EPINEPHRINE, blood/ *EPINEPHRINE, metabolism/ EPINEPHRINE, urine/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOTENSION, ORTHOSTATIC, blood/ *HYPOTENSION, ORTHOSTATIC, metabolism/ INSULIN, diagnostic use/ MIDDLE AGE/ NEURONS, EFFERENT/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, urine/ PRESSORECEPTORS/ *RENIN, blood

86. **Annat G, Sassard J:** Volorécepteurs et régulation neuro-hormonale de la volémie.
Pathol Biol (Paris) 21:411-23, Apr 73 (124 ref.) (Fre)
*ALDOSTERONE, physiology/ ANGIOTENSIN, physiology/ BLOOD PRESSURE/ *BLOOD VOLUME/ ENGLISH ABSTRACT/ HEART ATRIUM, innervation/ HUMAN/ IMMERSION/ *MECHANORECEPTORS, physiology/ NATRIURESIS/ OSMOLAR CONCENTRATION/ POSTURE/ PULMONARY VEINS/ RENIN, physiology/ REVIEW/ *VASOPRESSIN, physiology/ VENA CAVA, SUPERIOR

LIBRARY U. OF I., URBANA-CHAMPAIGN

87. **Ansari AH, Blair JD, Doshi NS:** 46,XX Turner's syndrome. Am J Obstet Gynecol 116:415-22, 1 Jun 73
ADULT/ BLOOD SUGAR, analysis/ DERMATOGLYPHICS/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ *TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, urine

88. **Anton AH, Rodriguez RE:** Drug-induced change in the distribution of sulfonamides in the mother rat and its fetus. Science 180:974-6, 1 Jun 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *BLOOD PROTEINS, metabolism/ BRAIN, metabolism/ DRUG INTERACTIONS/ FEMALE/ FETUS, metabolism/ KIDNEY, metabolism/ *MATERNAL-FETAL EXCHANGE/ MUSCLES, metabolism/ PLACENTA, metabolism/ PREGNANCY/ PROTEIN BINDING/ RATS/ SPLEEN, metabolism/ SULFAMETHOXYPYRIDAZINE, blood/ *SULFAMETHOXYPYRIDAZINE, metabolism/ SULFANILAMIDE, blood/ *SULFANILAMIDE, metabolism/ *SULFINPYRAZONE/ SULFINPYRAZONE, blood/ UTERUS, metabolism

89. **Antoni H:** Auswirkungen der Hypertrophie auf die Erregung und die elektro-mechanische Koppelung des Myokards.
Verh Dtsch Ges Kreislaufforsch 38:55-65, 1972 (70 ref.) (Ger)
ACTION POTENTIALS/ CALCIUM, metabolism/ ELECTRIC CONDUCTIVITY/ ELECTROCARDIOGRAPHY/ EVOKED POTENTIALS/ HEART CONDUCTION SYSTEM, physiopathology/ *HEART ENLARGEMENT, physiopathology/ HEART FAILURE, CONGESTIVE, physiopathology/ HUMAN/ MYOCARDIUM, metabolism/ MYOFIBRILS, metabolism/ REVIEW/ TIME FACTORS

90. **Antonioli G, Baggioni G, D'Agostino F:** Trattamento cortisonico del blocco d'entrata e d'uscita nella stimolazione endocardica permanente a domanda.
G Ital Cardiol 3:255-62, 1973 (Ita)
AGED/ ARRHYTHMIA, etiology/ BRADYCARDIA, therapy/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEART BLOCK, etiology/ *HEART BLOCK, therapy/ HUMAN/ MALE/ MIDDLE AGE/ *PACEMAKER, ARTIFICIAL, adverse effects/ *PREDNISOLONE, therapeutic use/ THROMBOSIS, drug therapy/ THROMBOSIS, etiology

91. **Antreassian J, Aupetit B, Ozon R, et al:** Métabolisme rénal de la 18 hydroxycorticostérone.
C R Acad Sci [D] (Paris) 275:1423-5, 25 Sep 72 (Fre)
ADRENAL GLANDS, analysis/ *ALDOSTERONE, biosynthesis/ ALDOSTERONE, isolation & purification/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *CORTICOSTERONE, metabolism/ *HYDROXYCORTICOSTEROIDS, metabolism/ IN VITRO/ KIDNEY, analysis/ *KIDNEY, metabolism/ RATS/ TRITIUM

92. **Aoki N, Wakisaka G, Nagata I:** Increase of T cells in Graves' disease. Lancet 819:49-50, 7 Jul 73
CELL COUNT/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ IMMUNE ADHERENCE REACTION/ B-LYMPHOCYTES, immunology/ *T-LYMPHOCYTES, immunology

93. **Aoki Y, Lombroso C:** Prognostic value of electroencephalography in Reye's syndrome.
Neurology (Minneap) 23:333-43, Apr 73
*ADIPOSE TISSUE/ ADOLESCENCE/ AMMONIA, metabolism/ ANTIBIOTICS, therapeutic use/ ANTICONVULSANTS, therapeutic use/ ASPARTATE AMINOTRANSFERASE, metabolism/ BLOOD SUGAR, analysis/ *BRAIN DISEASES, diagnosis/ CHILD/ CHILD, PRESCHOOL/ CONSCIOUSNESS/ CONVULSIONS, etiology/ *ELECTROENCEPHALOGRAPHY/ FATTY LIVER/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ GLUCOSE, therapeutic use/ *HEPATITIS, complications/ HUMAN/ INSULIN, therapeutic use/ INTRACRANIAL PRESSURE/ KIDNEY DISEASES/ MALE/ PROGNOSIS/ VITAMIN K, therapeutic use

94. **Apasov GN, Korytova LI:** Ob operativnom vmeshchatel'stve na shchitovidnof zheleze u bol'nyh limfogranulematozom.
Vestn Khir 110:29-33, Jan 73 (Rus)
DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ MALE/ THYROID DISEASES, diagnosis/ THYROID DISEASES, etiology/ *THYROID GLAND, surgery/ THYROID NEOPLASMS, surgery

95. **Apgar J:** Effect of zinc repletion late in gestation on parturition in the zinc-deficient rat.
J Nutr 103:973-81, Jul 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CHOLESTEROL, metabolism/ DEFICIENCY DISEASES/ DEFICIENCY DISEASES, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, metabolism/ FEMALE/ INTUBATION, GASTROINTESTINAL/ LABOR COMPLICATIONS, etiology/ *LABOR COMPLICATIONS, veterinary/ ORGAN WEIGHT/ OVARY, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PREGNANCY COMPLICATIONS/ PUERPERIUM, drug effects/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ *ZINC/ ZINC, administration & dosage/ ZINC, therapeutic use

96. **Apostolov L, Velichkov Iv:** Kombinirani provodni smushtenila u bolen s pristup na revmatizum, stavno-surdechna forma.
Vutr Boles 12:87-91, 1973 (Bul)
ADOLESCENCE/ ASPIRIN, therapeutic use/ CAFFEINE, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HEART BLOCK, physiopathology/ *HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ HYDROCORTISONE therapeutic use/ MALE/ PENICILLIN, therapeutic use/ RHEUMATIC HEART DISEASE, drug therapy/ *RHEUMATIC HEART DISEASE, physiopathology

97. **Appelgren LE:** Autoradiographic studies of labelled -dihydrotestosterone in mice.
Steroids Lipids Res 3:286-98, 1972
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLOOD CIRCULATION/ CENTRAL NERVOUS SYSTEM, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DIMETHYL SULFOXIDE/ ENDOCRINE GLANDS, metabolism/ KIDNEY, metabolism/ LYMPHATIC SYSTEM/ MALE/ MICE/ MUSCLES, metabolism/ NASAL MUCOSA, metabolism/ SALIVARY GLANDS, metabolism/ SKIN, metabolism/ *STANOLONE metabolism/ STOMACH, metabolism/ THORACIC DUCT, metabolism/ TIME FACTORS/ TOOTH, metabolism/ TRITIUM

98. **Aragon JA, Lustig L:** Uptake of horseradish peroxida by the testis and epididymis of mice. II. Electro microscopic study of the testis.
J Reprod Fertil 33:189-95, May 73
ANIMAL EXPERIMENTS/ EPIDIDYMIS, enzymology/ *EPIDIDYMIS, metabolism/ HISTOCYTOCHEMISTRY/ INJECTIONS, INTRAVENOUS/ LEYDIG CELLS, metabolism MACROPHAGES, metabolism/ MALE/ MICE/ MICROSCOPY, ELECTRON/ PERMEABILITY/ *PEROXIDASES, metabolism/ SERTOLI CELLS, metabolism/ SPERMATOZOA, metabolism/ TESTIS, enzymology/ *TESTIS, metabolism

Arcangeli P, Digiesi V, Madeddu G, et al: Temporary displacement of plasma corticoid circadian peak induced by ablation of olfactory bulbs in dog.
Experientia 29:358-9, 15 Mar 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ DOGS/ FEMALE/ *LIMBIC SYSTEM, physiology/ MALE/ OLFACTORY BULB, physiology/ TIME FACTORS

Archer J: Effects of testosterone on immobility responses in the young male chick.
Behav Biol 8:551-6, Apr 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CHICKENS/ DELAYED-ACTION PREPARATIONS/ EXPLORATORY BEHAVIOR/ *IMMOBILIZATION/ LOCOMOTION, drug effects/ MOTOR ACTIVITY, drug effects/ *MOVEMENT, drug effects/ REACTION TIME, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

Archer-Hall JA, Carpenter PB, Edwards JP, et al: A new method of bone mineral estimation using a conventional x-ray set.
Br J Radiol 46:375-80, May 73
*BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ HUMAN/ METHODS/ TECHNOLOGY, RADIOLOGIC/ ULNA, radiography

Archibald A, Shuster S: A non-endocrine control of sebum secretion.
Arch Dermatol Forsch 246:175-80, 1973
ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ MALE/ RATS/ SEBUM, analysis/ *SEBUM, secretion/ SEX HORMONES, physiology/ SKIN, drug effects/ *SKIN, metabolism/ SOLVENTS/ STIMULATION, CHEMICAL

Ardaillou R, Paillard F, Sraer J, et al: Compared kinetics of salmon and human radioiodinated calcitonins in man.
Horm Metab Res 5:232-3, May 73
ANTIGEN-ANTIBODY REACTIONS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ KINETICS/ SALMONIDAE/ *THYROCALCITONIN, blood/ THYROCALCITONIN, metabolism/ THYROCALCITONIN, urine/ TIME FACTORS

Ardeleanu A, Sterescu N: Some metabolic effects of bufotenin on the central nervous system in rats.
Rev Roum Physiol 10:221-7, 1973
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CENTRAL NERVOUS SYSTEM, drug effects/ *CENTRAL NERVOUS SYSTEM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ DNA, metabolism/ *HALLUCINOGENS, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ PHOSPHORUS, metabolism/ PROTEINS, metabolism/ RATS/ RNA, metabolism/ THYROID GLAND, metabolism

Arditti R, Grodzicker T, Beckwith J: Cyclic adenosine monophosphate-independent mutants of the lactose operon of Escherichia coli.
J Bacteriol 114:652-5, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BACTERIAL PROTEINS, metabolism/ CHROMOSOME MAPPING/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, isolation & purification/ *ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, metabolism/ GENES/ *LACTOSE, metabolism/ MUTAGENS/ *MUTATION/ *OPERON/ PURINES/ RECOMBINATION, GENETIC/ RNA POLYMERASE, biosynthesis/ TRANSCRIPTION, GENETIC

Arenberg AA: Lechenie gidrokortizonom zabolevanii i povrezhdenii opornodvigatel'nogo apparata.
Vestn Khir 110:73-6, Mar 73 (Rus)
ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ *JOINT DISEASES, drug therapy/ PERIARTHRITIS, drug therapy/ WOUNDS AND INJURIES, drug therapy

107. **Arend IuE:** O mekhanizmakh reguliatsii razvitiia soedinitel'noĭ tkani v éksperimental'nykh ranakh.
Arkh Anat Gistol Embriol 63:26-33, Nov 72 (Rus)
ABDOMINAL INJURIES, physiopathology/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiopathology/ CEREBRAL CORTEX, physiopathology/ COLLAGEN, biosynthesis/ *CONNECTIVE TISSUE, physiopathology/ CONNECTIVE TISSUE CELLS/ CORPUS STRIATUM, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ FIBROBLASTS/ FIBROBLASTS, metabolism/ GANGLIA, AUTONOMIC, physiopathology/ GUINEA PIGS/ HIPPOCAMPUS, physiopathology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, physiopathology/ LIMBIC SYSTEM, physiopathology/ *LIVER, injuries/ MACROPHAGES/ MACROPHAGES, metabolism/ MALE/ MESENCEPHALON/ MOTOR CORTEX, physiopathology/ MUCOPOLYSACCHARIDES, metabolism/ *NERVOUS SYSTEM, physiopathology/ OCCIPITAL LOBE, physiopathology/ PROTEINS, metabolism/ RABBITS/ RETICULAR FORMATION, physiopathology/ RNA, metabolism/ SOMATOSENSORY CORTEX, physiopathology/ TEMPORAL LOBE, physiopathology/ *WOUND HEALING

108. **Armato U, Andreis PG:** The primary tissue culture of rat adult decapsulated adrenal glands: radioautographic studies on the metabolic effects of 1-24 -ACTH.
Experientia 29:322-4, 15 Mar 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ CELLS, CULTURED/ *CORTICOTROPIN, pharmacodynamics/ DNA, biosynthesis/ FEMALE/ FIBROBLASTS, metabolism/ LEUCINE, metabolism/ OROTIC ACID, metabolism/ RATS/ THYMIDINE, metabolism/ TRITIUM

109. **Arnaud CD:** Immunochemical heterogeneity of circulating parathyroid hormone in man: sequel to an original observation by Berson and Yalow.
Mt Sinai J Med NY 40:422-32, May-Jun 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ANTIBODIES, HETEROTYPIC/ ANTIBODY FORMATION/ CATTLE/ HEMODIALYSIS/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERCALCEMIA, immunology/ HYPERPARATHYROIDISM, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, complications/ METHODS/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, history/ SPECIES SPECIFICITY/ SWINE

110. **Arturson G, Hamberg M, Jonsson CE:** Prostaglandins in human burn blister fluid.
Acta Physiol Scand 87:270-6, Feb 73
ANIMAL EXPERIMENTS/ *BLISTER, metabolism/ *BURNS, metabolism/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ EXUDATES AND TRANSUDATES, analysis/ GERBILS/ HUMAN/ *LIPIDS, analysis/ MASS SPECTRUM ANALYSIS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, metabolism/ RATS/ TRITIUM

111. **Arvanitakis C, Manier JW:** Crohn's disease: a clinical study of 75 patients.
Am J Gastroenterol 59:532-40, Jun 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CORTICOTROPIN, therapeutic use/ *ENTERITIS, REGIONAL/ ENTERITIS,

LIBRARY U. OF I., URBANA-CHAMPAIGN

REGIONAL, blood/ ENTERITIS, REGIONAL, complications/ ENTERITIS, REGIONAL, diagnosis/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, surgery/ FEMALE/ FOLLOW-UP STUDIES/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ LIVER DISEASES, etiology/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ RECURRENCE/ RETROSPECTIVE STUDIES/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ SEX FACTORS/ SKIN MANIFESTATIONS

112. **Ascenzi A, Bonucci E, Simkin A:** An approach to the mechanical properties of single osteonic lamellae.
J Biomech 6:227-35, May 73
ADOLESCENCE/ ADULT/ BIOMECHANICS/ *BONE AND BONES, physiology/ CALCIFICATION, PHYSIOLOGIC/ FEMUR, cytology/ FEMUR, physiology/ HUMAN/ MICROSCOPY, ELECTRON/ PRESSURE/ STRESS, MECHANICAL

113. **Aschkenasy A, André F:** Etude comparée des anomalies cytogénétiques et des effets hématologiques, hépatiques et testiculaires de l'éthionine chez le rat. Pouvoir protecteur de la méthionine.
C R Soc Biol (Paris) 166:1241-5, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BONE MARROW CELLS, drug effects/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, drug effects/ *ETHIONINE, antagonists & inhibitors/ ETHIONINE, poisoning/ *LIVER, drug effects/ MALE/ *METHIONINE, pharmacodynamics/ MITOSIS, drug effects/ NEUTROPHILS, drug effects/ ORGAN WEIGHT/ RATS/ *TESTIS, drug effects

114. **Ash LR:** Chronic Brugia pahangi and Brugia malayi infections in Meriones unguiculatus.
J Parasitol 59:442-7, Jun 73
AEDES/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ DISEASE MODELS, ANIMAL/ FEMALE/ FILARIASIS, blood/ FILARIASIS, etiology/ *FILARIASIS, veterinary/ *FILARIOIDEA/ *GERBILS/ HEART/ INSECT VECTORS/ LARVA/ LYMPHATIC SYSTEM/ MALE/ *RODENT DISEASES/ RODENT DISEASES, blood/ RODENT DISEASES, etiology/ SEX FACTORS/ STAINS AND STAINING/ TESTIS

115. **Ash RW, Banks P, Bailes G, et al:** Plasma oestrogen, progesterone and corticoid concentrations in the pregnant, parturient and lactating sow.
J Reprod Fertil 33:359-60, May 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ *ESTROGENS, blood/ ESTRUS/ FEMALE/ LABOR/ LACTATION/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *SWINE, physiology

116. **Ashkenazi R, Holman RB, Vogt M:** Release of transmitters into the perfused third cerebral ventricle. J Physiol (Lond) 231:44P-45P, May 73
ACETYLCHOLINE, secretion/ ANIMAL EXPERIMENTS/ CATS/ CEREBRAL VENTRICLES, anatomy & histology/ CEREBRAL VENTRICLES, drug effects/ *CEREBRAL VENTRICLES, physiology/ DIBENZAZEPINES, pharmacodynamics/ ELECTRIC STIMULATION/ MESENCEPHALON, secretion/ NEOSTIGMINE, pharmacodynamics/ NERVE ENDINGS/ *NEURAL TRANSMISSION/ RETICULAR FORMATION, secretion/ SEROTONIN, secretion

117. **Ashley CC, Moisescu DG:** The mechanism of the free calcium change in single muscle fibres during contraction. J Physiol (Lond) 231:23P-25P, May 73
ANIMAL EXPERIMENTS/ BARNACLES/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ IN VITRO/ *MUSCLE CONTRACTION/ *MUSCLES, metabolism/ MYOFIBRILS, metabolism/ SARCOPLASMIC RETICULUM, metabolism

118. **Ashmarin Iula, Kreinin VM, Amitan BIa, et al:** Ob effektivnosti i oslozhneniiakh lecheniia psoriza antimetabolitami.
Vestn Dermatol Venerol 47:14-20, Apr 73 **(Rus)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *ANTIMETABOLITES, therapeutic use/ CHRONIC DISEASE/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PSORIASIS, complications/ *PSORIASIS, drug therapy/ RECURRENCE/ REMISSION

119. **Assimacopoulos-Jeannet F, Exton JH, Jeanrenaud B:** Control of gluconeogenesis and glycogenolysis in perfused livers of normal mice.
Am J Physiol 225:25-32, Jul 73
ACETONE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALANINE, pharmacodynamics/ ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENTS/ EPINEPHRINE, pharmacodynamics/ ETHERS, pharmacodynamics/ FRUCTOSE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS/ GLYCERIN, pharmacodynamics/ *GLYCOGEN, metabolism/ KETONE BODIES, biosynthesis/ LACTATES, pharmacodynamics/ *LIVER, metabolism/ MALE/ MICE/ OLEIC ACID, metabolism/ OLEIC ACID, pharmacodynamics/ PERFUSION/ PYRIMIDINES, pharmacodynamics/ PYRUVATES, pharmacodynamics/ STIMULATION, CHEMICAL/ SULFONAMIDES, pharmacodynamics

120. **Astier H:** Présence d'une fraction importante de protéines iodées "non hormonales" dans le PBI des oiseaux.
C R Acad Sci [D] (Paris) 676:793-6, 29 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BIRDS, physiology/ *BLOOD PROTEINS, analysis/ DUCKS/ IODINE, blood/ IODINE ISOTOPES/ *IODOPROTEINS, blood/ MALE/ PIGEONS/ POULTRY/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ QUAIL/ *THYROID GLAND, physiology/ THYROID HORMONES, blood

121. **el-Attar TM, Roth GD, Hugoson A:** Comparative metabolism of 4- 14 C-progesterone in normal and chronically inflamed human gingival tissue.
J Periodont Res 8:79-85, 1973
ADOLESCENCE/ ADULT/ ANALYSIS OF VARIANCE/ CARBON ISOTOPES/ CHRONIC DISEASE/ FEMALE/ *GINGIVITIS, metabolism/ HUMAN/ IN VITRO/ MALE/ *PROGESTERONE, metabolism

122. **Aubrey DA, Burns GP:** Effect of topical prednisolone and acetic acid on the antral phase of gastric secretion. Am J Surg 125:676-80, Jun 73
*ACETIC ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CHLORIDES, secretion/ DIET/ DOGS/ FEMALE/ GASTRIC ACIDITY DETERMINATION/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ MALE/ *POTASSIUM, secretion/ *PREDNISOLONE, pharmacodynamics/ PYLORIC ANTRUM, drug effects/ *PYLORIC ANTRUM, secretion/ *SODIUM, secretion

123. **Aubry RH, Pennington JC:** Identification and evaluation of high-risk pregnancy: the perinatal concept. Clin Obstet Gynecol 16:3-27, Mar 73
AMNIOTIC FLUID, analysis/ CREATININE, urine/ ESTROGENS, urine/ EVALUATION STUDIES/ FAMILY PLANNING/ FEMALE/ FETAL DEATH/ FETUS/ GESTATIONAL AGE/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ LABOR/ LECITHINS, analysis/ MATERNAL AGE/ MEDICAL HISTORY TAKING/ NITROGEN, urine/ NUTRITION/ PARITY/ PREGNANCY/

*PREGNANCY COMPLICATIONS, diagnosis/ PRENATAL CARE/ *PRENATAL DIAGNOSIS/ SOCIOECONOMIC FACTORS/ SPHINGOMYELINS, analysis/ ULTRASONICS, diagnostic use/ UREA, urine

Auffray P, Marcilloux JC, Bahy C, et al: Hyperphagie induite chez l'oie par injections intraventriculaires de 6-hydroxydopamine.
C R Acad Sci [D] (Paris) 276:347-50, 15 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, chemically induced/ *APPETITE REGULATION, drug effects/ BODY WEIGHT, drug effects/ CEREBRAL VENTRICLES/ FATTY LIVER, chemically induced/ *GEESE/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ INJECTIONS/ ORGAN WEIGHT/ SATIATION, drug effects

Augustine EC, Hymer WC: Characteristics of the nuclear RNA polymerase from rat anterior pituitary tissue. Endocrinology 92:1790-4, Jun 73
ADENOSINE TRIPHOSPHATE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CATIONS, DIVALENT/ CELL NUCLEUS, enzymology/ DACTINOMYCIN, pharmacodynamics/ DEOXYRIBONUCLEASE, pharmacodynamics/ GUANINE NUCLEOTIDES, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ *PITUITARY GLAND, enzymology/ PITUITARY GLAND, metabolism/ PYROPHOSPHATES, pharmacodynamics/ RATS/ RNA, biosynthesis/ *RNA POLYMERASE, analysis/ TIME FACTORS/ TRITIUM/ URACIL NUCLEOTIDES, metabolism

Aurell M, Jonsson S, Vikgren P: Studies on arterial and renal venous plasma renin activity in hypertensive patients. Acta Med Scand 193:399-406, May 73
ADULT/ ANGIOTENSIN, blood/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ ARTERIES/ BLOOD PRESSURE/ FEMALE/ HEART RATE/ HUMAN/ *HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, complications/ *KIDNEY DISEASES, blood/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, drug therapy/ KIDNEY DISEASES, surgery/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ POSTURE/ RENAL VEINS/ *RENIN, blood

Auškovà M, Režábek K, Semonský M: Laktations-Hemmung bei der Ratte nach D-6-Methyl-8-ergolin-I-yl-essigsäureamidtartrat (VUFB-6683.
Arzneim Forsch 23:617-8, Apr 73 **(Ger)**
ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ ENGLISH ABSTRACT/ *ERGOLINES, pharmacodynamics/ FEMALE/ *LACTATION, drug effects/ MILK/ PREGNANCY/ RATS

Aussems J, Gillesberger W, Neer FC van, et al: A trial comparing two corticoid preparations for the treatment of eczematous skin disorders.
Arzneim Forsch 22:2075-8, Dec 72
ADOLESCENCE/ ADULT/ AGED/ BELGIUM/ CHILD/ CHILD, PRESCHOOL/ *DERMATITIS, drug therapy/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ *FLUOCINOLONE ACETONIDE, therapeutic use/ GERMANY, WEST/ HERPES SIMPLEX, drug therapy/ HEXEDINE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ NANDROLONE, therapeutic use/ NETHERLANDS/ OINTMENTS/ PITYRIASIS, drug therapy/ PRURITUS ANI, drug therapy/ SKIN ABSORPTION

Austin TR, Anderson J, Richardson J: Bronchospasm following althesin anesthesia. Br Med J 2:661, 16 Jun 73
AGED/ *ANESTHETICS, adverse effects/ ASTHMA/ *BRONCHIAL SPASM, chemically induced/ HUMAN/ KETONES, adverse effects/ MALE/ *PREGNANES, adverse effects

130. Avakaiants BA: Gistostruktura laichnikov beremennykh korov.
Veterinariia 10:50-3, Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE, anatomy & histology/ FEMALE/ *OVARY, anatomy & histology/ PREGNANCY/ *PREGNANCY, ANIMAL

131. Averill RL, Evans JS: Thyrotrophin secretion from rat pituitary autografts infused with synthetic thyrotrophin releasing factor.
J Endocrinol 57:539-48, Jun 73
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ IODINE ISOTOPES/ *PITUITARY GLAND, secretion/ PITUITARY GLAND, transplantation/ RATS/ THYROID GLAND, metabolism/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TISSUE EXTRACTS/ TRANSPLANTATION, AUTOLOGOUS

132. Avery TL: A case of acromegaly and gigantism with depression. Br J Psychiatry 122:599-600, May 73
*ACROMEGALY, complications/ ADOLESCENCE/ ANXIETY/ BODY IMAGE/ *DEPRESSION, etiology/ FEMALE/ *GIGANTISM, complications/ HUMAN/ SELF CONCEPT

133. Axon AT, West TE, Sonksen PH: Pituitary and parathyroid tumours: an example of the pluriglandular syndrome.
Proc R Soc Med 66:444-5, May 73
ACROMEGALY, etiology/ *ADENOMA, complications/ CALCIUM, blood/ FEMALE/ HUMAN/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, complications/ PITUITARY GLAND IRRADIATION/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, complications/ SYNDROME

134. Ayalon D, Chayen R, Harell A, et al: Effect of estrogens on histidine metabolism. Isr J Med Sci 9:659-61, May 73
ACRYLATES, urine/ AMINATION/ CHROMATOGRAPHY, THIN LAYER/ CREATININE, urine/ ELECTROPHORESIS, PAPER/ *ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ *HISTIDINE, metabolism/ HUMAN/ IMIDAZOLES, urine/ ISRAEL/ MENOPAUSE, drug effects/ MIDDLE AGE

135. Ayd FJ Jr: Doxepin with other drugs.
South Med J 66:465-71, Apr 73
ANALGESICS AND ANTIPYRETICS, administration & dosage/ ANTIBIOTICS, administration & dosage/ ANTIDEPRESSIVE AGENTS, administration & dosage/ ANTIPARKINSON DRUGS, administration & dosage/ CANNABIS/ DEPRESSION, drug therapy/ *DIBENZOXEPINS, administration & dosage/ DIBENZOXEPINS, adverse effects/ DIBENZOXEPINS, therapeutic use/ DIURETICS, administration & dosage/ DRUG ABUSE/ DRUG SYNERGISM/ HEROIN ADDICTION, drug therapy/ HORMONES, administration & dosage/ HUMAN/ HYPNOTICS AND SEDATIVES, administration & dosage/ LITHIUM, administration & dosage/ MONOAMINE OXIDASE INHIBITORS, administration & dosage/ PIPERAZINES, administration & dosage/ SHOCK THERAPY, ELECTRIC/ TRANQUILIZING AGENTS, administration & dosage

136. Azariah J: Studies on the cephalochordates of the Madras coast. 14. Polyphenols and phenoloxidase system in amphioxus Branchiostoma lanceolatum.
Acta Histochem (Jena) 45:91-7, 1973
ANIMAL EXPERIMENTS/ CONNECTIVE TISSUE, metabolism/ *DIPHENOL OXIDASES, analysis/ HISTOCYTOCHEMISTRY/ MUCOPOLYSACCHARIDES, analysis/

LIBRARY U. OF I., URBANA-CHAMPAIGN

PHARYNX, enzymology/ *PHENOLS, analysis/ QUINONES, analysis/ THYROXINE, physiology/ TRIIODOTHYRONINE, physiology/ VERTEBRATES, enzymology/ *VERTEBRATES, metabolism

137. **Aziz EM, Lipsitz PJ:** A case of transient hypoglycemia and hyperglycemia in a full-term neonate. A case study suggesting CNS causation.
Clin Pediatr (Phila) 12:363-6, Jun 73
*CENTRAL NERVOUS SYSTEM DISEASES, complications/ CHROMATOGRAPHY/ CONVULSIONS, complications/ CREATININE, urine/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GLUCAGON, therapeutic use/ GLUCOSE, administration & dosage/ GLUCOSE, cerebrospinal fluid/ GLUCOSE, therapeutic use/ GLUCOSE, urine/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPERGLYCEMIA, etiology/ *HYPOGLYCEMIA, etiology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, etiology/ INSULIN, therapeutic use/ 17-KETOSTEROIDS, urine/ RESPIRATORY INSUFFICIENCY, complications

138. **Aznar Reig A, Zamora Madaria E, Herrera Justiniano E, et al:** Fracaso parcial de la 21-hidroxilasa paucisintomático (hirsutismo.
Rev Clin Esp 129:143-56, 30 Apr 73 (Spa)
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *HIRSUTISM, enzymology/ HIRSUTISM, urine/ HUMAN/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *METABOLIC DISEASES/ *STEROID HYDROXYLASES, metabolism

139. **Aztarain E, Giralt M, Torres A, et al:** Exploracíon del compartimiento de reserva granulocítico mediante la prueba de la etiocolanolona.
Sangre (Barc) 18:80-5, 1973 (Spa)
ADOLESCENCE/ ADULT/ *BONE MARROW CELLS, drug effects/ CYTOPLASMIC GRANULES, drug effects/ ENGLISH ABSTRACT/ ETIOCHOLANOLONE, adverse effects/ *ETIOCHOLANOLONE, diagnostic use/ EVALUATION STUDIES/ FEMALE/ *HEMATOPOIESIS, drug effects/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LEUKOCYTE COUNT/ *LEUKOCYTES, drug effects/ MALE/ METHODS/ MIDDLE AGE

B

140. **Baba S, Ogura H, Oe M, et al:** [Examination of TSH (thyroid stimulating hormone) test using T4 level in the blood as an index]
Clin Endocrinol (Tokyo) 21:67-72, Jan 73 (Jap)
HUMAN/ *THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, diagnostic use/ *THYROXINE, blood

141. **Babenko LS, Oleksa AP:** Effektivnost' odnovremennogo vvedeniia foda i broma pri gruppovoi protivozobnoi profilaktike sredi shkol'nikov. Pediatriia 52:74-5, Jan 73 (Rus)
ADOLESCENCE/ *BROMIDES, administration & dosage/ BROMIDES, therapeutic use/ CHILD/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ *IODINE, administration & dosage/ IODINE, therapeutic use

142. **Babić K, Košutić Z:** Endotoksički (gram-negativni) šok.
Lijec Vjesn 95:251-64, May 73 (Cro)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ *BACTERIAL INFECTIONS, complications/ BACTERIAL INFECTIONS, drug therapy/ ENGLISH ABSTRACT/ *GRAM NEGATIVE BACTERIA/ HUMAN/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, etiology

143. **Babichev VN:** Rol' otdel'nykh oblastei gipotalamusa v reguliatsii gonadotropino funktsii gipofiza u krys-samtsov.
Probl Endokrinol (Mosk) 19:54-7, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GONADOTROPINS, PITUITARY, secretion/ *HYPOTHALAMUS, physiology/ LH, analysis/ MALE/ NEURONS, physiology/ OPTIC CHIASM, physiology/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, physiology/ RATS/ TESTIS, analysis/ TESTOSTERONE, analysis

144. **Babin P, Payard J, Giacomoni P de, et al:** Quelques dérivés stéroïdiens dans les tumeurs du sein. Etude histo-enzymologique.
Nouv Presse Med 2:1519, 2 Jun 73 (Fre
BIOPSY/ BREAST, enzymology/ *BREAST, metabolism/ BREAST NEOPLASMS, enzymology/ *BREAST NEOPLASMS, metabolism/ *DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ OXIDOREDUCTASES, analysis/ *PREGNENOLONE, metabolism

145. **Backlund EO:** Studies on craniopharyngiomas. IV. Stereotaxic treatment with radiosurgery.
Acta Chir Scand 139:344-51, 1973
ADOLESCENCE/ ADULT/ CRANIOPHARYNGIOMA, physiopathology/ *CRANIOPHARYNGIOMA, radiotherapy/ FEMALE/ HUMAN/ MALE/ METHODS/ RADIOTHERAPY DOSAGE/ SKULL NEOPLASMS, physiopathology/ *SKULL NEOPLASMS, radiotherapy/ STEREOTAXIC TECHNICS/ VISUAL ACUITY/ YTTRIUM ISOTOPES, therapeutic use

146. **Backlund EO, Rähn T, Sarby B, et al:** Closed stereotaxic hypophysectomy by means of 60 Co gamma radiation.
Acta Radiol [Ther] (Stockh) 11:545-55, Dec 72
AGED/ AUTOPSY/ BREAST NEOPLASMS, pathology/ *BREAST NEOPLASMS, therapy/ *COBALT ISOTOPES/ FEMALE/ FSH, blood/ GONADOTROPINS, urine/ HUMAN/ *HYPOPHYSECTOMY/ LH, blood/ METHODS/ MIDDLE AGE/ NEOPLASM METASTASIS/ PITUITARY GLAND, pathology/ *PITUITARY GLAND IRRADIATION/ RADIOTHERAPY DOSAGE/ STEREOTAXIC TECHNICS

147. **Bácsy E, Szalay KS, Pantó G, et al:** Distribution of potassium in rat adrenal zones studied by electron probe x-ray microanalysis.
Experientia 29:485-7, 15 Apr 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ELECTRON PROBE MICROANALYSIS/ POTASSIUM, analysis/ *POTASSIUM, metabolism/ RATS

148. **Badarau L, Gavrilita L, Iuschevici C:** Etude histologique du placenta et de la caduque basale dans l'avortement habituel par hyperandrogénie. Grossesses interrompues spontanément aux cours des six premiers mois et grossesses traitées avec succès par la corticothérapie.
Rev Fr Gynecol Obstet 67:685-97, Dec 72 (Fre
ABORTION, HABITUAL, pathology/ *ABORTION, HABITUAL, prevention & control/ *CORTISONE, therapeutic use/ *DECIDUA, pathology/ *ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, pathology/ ENGLISH ABSTRACT/ FEMALE/ HIRSUTISM, complications/ HUMAN/ 17-KETOSTEROIDS, blood/ *PLACENTA, pathology/ *PLACENTA DISORDERS, pathology/ PREGNANCY

149. **Badenoch-Jones P, Baum H:** Progesterone-induced permeability changes in rat liver lysosomes.
Nature [New Biol] 242:123-4, 28 Mar 73
*ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ GLYCOLS/ LIVER, cytology/ *LIVER, drug effects/ LIVER, metabolism/ LYSOSOMES, drug effects/ *LYSOSOMES, metabolism/ MALE/ NITROPHENOLS, metabolism/ PERMEABILITY/ PHOSPHATES, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS

150. **Bader G, Bader NG:** Morphologie der Gewebsformen von Erregern viszeraler Mykosen. Untersuchungen zur Polysaccharid- und Proteinhistochemie. 3. Histoplasma capsulatum.

Mykosen 16:143-52, 1 Apr 73 (Ger)
ADDISON'S DISEASE, pathology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ENTEROCOLITIS, ACUTE, pathology/ HISTOCYTOCHEMISTRY/ *HISTOPLASMA, cytology/ *HISTOPLASMOSIS, pathology/ HUMAN/ LUNG DISEASES, FUNGAL, pathology/ NEPHRITIS, pathology/ PERICARDITIS, pathology

Badran AF, Llanos JM, Surur JM: The pars distalis of the pituitary as a source of liver growth stimulating factors during liver regeneration.
Virchows Arch [Zellpathol] 13:79-85, 15 May 73
ANIMAL EXPERIMENTS/ DNA, biosynthesis/ HEPATECTOMY/ *LIVER REGENERATION/ LIVER REGENERATION, drug effects/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ *PITUITARY GLAND, physiology/ PLASMA/ SOMATOTROPIN, pharmacodynamics/ *SOMATOTROPIN, physiology/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, pharmacodynamics

Baettig K, Weber-Tschopp A: The effect of ambient temperatures on eating elicited by hypothalamic stimulation. Physiol Behav 10:887-91, May 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ COLD/ *EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HEAT/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ STEREOTAXIC TECHNICS/ *TEMPERATURE

Baevskii IuB, Leonov BV, Lukin VA: Gormonal'nye reguliatsii rennego embriogeneza miekopitaiushchikh.
Usp Sovrem Biol 75:265-77, Mar-Apr 73 (94 ref.) (Rus)
ANIMAL EXPERIMENTS/ DECIDUA, physiology/ DNA, biosynthesis/ *EMBRYO, growth & development/ EMBRYO, metabolism/ ESTROGENS, physiology/ FEMALE/ GERM LAYERS, physiology/ *HORMONES, physiology/ IN VITRO/ *MAMMALS, embryology/ MATERNAL-FETAL EXCHANGE/ MICE/ NIDATION/ OVARY, secretion/ OVUM, physiology/ PREGNANCY/ PROTEINS, biosynthesis/ RATS/ REVIEW/ RNA, biosynthesis/ SEX HORMONES, physiology/ TISSUE CULTURE/ UTERUS, metabolism/ UTERUS, physiology

Bagai RC, Stewart TH, Harris JE: Use of plasma-free medium for the in vitro culture of human lymphocytes. Cancer 31:882-8, Apr 73
ADULT/ AGED/ ARSENICALS/ *CELLS, CULTURED/ *CULTURE MEDIA/ FEMALE/ HUMAN/ HYDROCORTISONE/ IMMUNITY, CELLULAR/ INSULIN/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES/ MALE/ METHOTREXATE/ METHYLCELLULOSE/ NEOPLASMS, immunology/ PENICILLIN/ PLANT AGGLUTININS/ *PLASMA/ STREPTOMYCIN/ THYMIDINE, metabolism/ TRITIUM

Bagchi SC: Trial of a sequential oral contraceptive (serial 28) in a rural area.
Indian J Public Health 16:171-6, Oct 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ EDUCATIONAL STATUS/ FEMALE/ HUMAN/ INDIA/ PARITY/ *RURAL POPULATION

Baggio B, Favaro S, Antonello A, et al: A procedure for the determination of a renin inhibitor in human plasma. Clin Chim Acta 45:67-71, 19 Apr 73
ANGIOTENSIN, analysis/ ANGIOTENSIN, pharmacodynamics/ ANGIOTENSINASE/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effects/ CROSS REACTIONS/ HUMAN/ IODINE ISOTOPES/ KIDNEY, enzymology/ KIDNEY, physiology/ METHODS/ NEPHRECTOMY/ PHOSPHOLIPASE/ *PHOSPHOLIPIDS, blood/ PROTEIN PRECURSORS/ RADIOIMMUNOASSAY/ RATS/ *RENIN, antagonists & inhibitors

157. **Baggio B, Favaro S, Antonello A, et al:** Illustrazione di un originale procedimento radioimmunologico per il dosaggio di un inibitore dell'attivitá reninica nel plasma umano.
Quad Sclavo Diagn 8:164-70, Mar 72 (Ita)
ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ HUMAN/ PHOSPHOLIPASE, blood/ PHOSPHOLIPIDS, antagonists & inhibitors/ PHOSPHOLIPIDS, isolation & purification/ RADIOIMMUNOASSAY/ *RENIN, antagonists & inhibitors/ RENIN, blood

158. **Bagley CM Jr, Young RC, Schein PS, et al:** Ovarian carcinoma metastatic to the diaphragm--frequently undiagnosed at laparotomy. A preliminary report.
Am J Obstet Gynecol 116:397-400, 1 Jun 73
BIOPSY/ *DIAPHRAGM, pathology/ FEMALE/ HUMAN/ *LAPAROTOMY/ LIVER NEOPLASMS, pathology/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ PERITONEOSCOPY

159. **Bagshawe KD, Wilson H, Dublon P, et al:** Follow-up after hydatidiform mole: studies using radioimmunoassay for urinary human chorionic gonadotrophin (HCG).
J Obstet Gynaecol Br Commonw 80:461-8, May 73
FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, urine/ HYSTERECTOMY/ LH, urine/ NEOPLASM REGRESSION, SPONTANEOUS/ PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS/ TROPHOBLASTIC TUMOR, urine/ UTERINE DISEASES, complications/ UTERINE DISEASES, surgery

160. **Baile CA, Simpson CW, Bean SM, et al:** Prostaglandins and food intake of rats: a component of energy balance regulation? Physiol Behav 10:1077-85, Jun 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ APPETITE REGULATION, drug effects/ BODY TEMPERATURE, drug effects/ BODY WEIGHT/ *DIENCEPHALON, drug effects/ DIENCEPHALON, physiology/ DRINKING/ DRINKING BEHAVIOR, drug effects/ *EATING, drug effects/ FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ MAMMILLARY BODIES, drug effects/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RATS/ SATIATION

161. **Ballenger J, Cerbelle F, Faraggi G, et al:** Influence de l'ovariectomie sur le parasitisme des souris par Hymenolepis nana.
Ann Parasitol Hum Comp 47:779-82, Nov-Dec 72 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CASTRATION/ *CESTODA/ *CESTODE INFECTIONS/ ENGLISH ABSTRACT/ FEMALE/ HYMENOLEPIASIS/ METHODS/ MICE/ OVARY/ TIME FACTORS

162. **Ballenger J, Larcher-Fourrier MF:** Influence des hormones androgènes sur le parasitisme des souris mâles par Hymenolepis nana. I. Effets de l'orchiectomie.
Ann Parasitol Hum Comp 47:773-7, Nov-Dec 72 (Fre)
AGE FACTORS/ *ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CASTRATION/ *CESTODA/ *CESTODE INFECTIONS/ ENGLISH ABSTRACT/ HYMENOLEPIASIS/ MALE/ MICE/ TESTIS/ TIME FACTORS

163. **Bailey IC:** Pituitary tumours in Kampala, Uganda.
Afr J Med Sci 4:171-8, Apr 73
ADENOMA/ ADULT/ CRANIOPHARYNGIOMA/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, occurrence/ *SELLA TURCICA/ UGANDA

164. **Bailey JM, Butler J:** Anti-inflammatory drugs in experimental atherosclerosis. I. Relative potencies for inhibiting plaque formation.

LIBRARY UL OF L. URBANA-CHAMPAIGN

Atherosclerosis 17:515-22, May-Jun 73
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ AORTA, THORACIC, pathology/ *ARTERIOSCLEROSIS, drug therapy/ ARTERIOSCLEROSIS, pathology/ CHOLESTEROL, administration & dosage/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ CORTISONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DISEASE MODELS, ANIMAL/ FLUDROCORTISONE, pharmacodynamics/ FLUFENAMIC ACID, pharmacodynamics/ *GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MALE/ MEFENAMIC ACID, pharmacodynamics/ METHYLPREDNISOLONE, pharmacodynamics/ OXYPHENBUTAZONE, pharmacodynamics/ PHENYLBUTAZONE, pharmacodynamics/ PREDNISONE, pharmacodynamics/ RABBITS/ TIME FACTORS/ TRIAMCINOLONE, pharmacodynamics

165. **Bailey WC, Thompson DH, Carson B, et al:** Fetal hepatic necrosis in a woman receiving chemoprophylaxis with isoniazid.
Am J Gastroenterol 59:512-7, Jun 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ AUTOPSY/ FEMALE/ HEPATITIS, TOXIC, blood/ HEPATITIS, TOXIC, drug therapy/ *HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, pathology/ HUMAN/ *ISONIAZID, adverse effects/ NECROSIS, blood/ *NECROSIS, chemically induced/ NECROSIS, drug therapy/ NECROSIS, pathology/ TUBERCULIN TEST/ TUBERCULOSIS, prevention & control/ VITAMIN K, therapeutic use

166. **Baird DT, Collett RA:** Progesterone secretion by the sheep corpus luteum after repeated infusions of luteinizing hormone and human chorionic gonadotrophin. J Endocrinol 57:299-305, May 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, secretion/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *LH, pharmacodynamics/ OVARY, transplantation/ *PROGESTERONE, secretion/ SHEEP/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

167. **Baird DT, Galbraith A, Fraser IS, et al:** The concentration of oestrone and oestradiol-17 in spermatic venous blood in man.
J Endocrinol 57:285-8, May 73
ADULT/ *ESTRADIOL, blood/ *ESTRONE, blood/ HUMAN/ INGUINAL HERNIA, metabolism/ MALE/ MIDDLE AGE/ TESTIS, blood supply/ *TESTIS, secretion/ VARICOCELE, metabolism/ VEINS

168. **Baird DT, Giles M, Cockburn F:** The PO 2 , pH and oxygen content of ovarian venous blood of sheep.
J Endocrinol 57:405-11, Jun 73
ANIMAL EXPERIMENTS/ ARTERIOVENOUS ANASTOMOSIS/ BLOOD FLOW VELOCITY/ BLOOD GAS ANALYSIS/ *CARBON DIOXIDE, blood/ CARBON DIOXIDE, metabolism/ CAROTID ARTERIES/ FEMALE/ HEMATOCRIT/ HYDROGEN-ION CONCENTRATION/ JUGULAR VEIN/ OVARY, blood supply/ OVARY, transplantation/ *OXYGEN, blood/ OXYGEN CONSUMPTION/ SHEEP/ TRANSPLANTATION, AUTOLOGOUS/ VEINS

169. **Baird DT, Land RB:** Division of the uterine vein and the function of the adjacent ovary in the ewe.
J Reprod Fertil 33:393-7, Jun 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ ESTRUS/ FALLOPIAN TUBES, surgery/ FEMALE/ LIGATION/ *OVARY, physiology/ SHEEP/ TIME FACTORS/ *UTERUS, blood supply/ VEINS, surgery

170. **Baker BI:** The separation of different forms of melanocyte-stimulating hormone from the rat neurointermediate lobe by polyacrylamide gel electrophoresis, with a note on rat neurophysins.
J Endocrinol 57:393-404, Jun 73
ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ METHODS/ *MSH, isolation & purification/ *NEUROPHYSINS, isolation & purification/ *PITUITARY GLAND, analysis/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ SWINE

171. **Baker RK, Wallach S, Tashjian AH Jr:** Plasma calcitonin in pycnodysostosis: intermittently high basal levels and exaggerated responses to calcium and glucagon infusions.
J Clin Endocrinol Metab 37:46-55, Jul 73
ANALYSIS OF VARIANCE/ ANTIGENS/ CALCIUM, analysis/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM, urine/ CALCIUM ISOTOPES/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, AFFINITY/ DIET/ FASTING/ FECES, analysis/ FEMALE/ *GLUCAGON, pharmacodynamics/ HUMAN/ *OSTEOPETROSIS, blood/ OSTEOPETROSIS, metabolism/ PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood

172. **Baksheev NS, Kurskii MD, Antonenko SG, et al:** Vplyv serotoninu i kal'tsiiu na vmist tsyklichnoi 3'5'-AMF u hladkomu m'iazi matky ta inshykh tkanynakh krolyu.
Ukr Biokhim Zh 45:187-90, Mar-Apr 73 (Ukr)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN CHEMISTRY/ *CALCIUM, pharmacodynamics/ CALCIUM CHLORIDE, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ ENGLISH ABSTRACT/ FEMALE/ INJECTIONS, INTRAVENOUS/ MUSCLE, SMOOTH, analysis/ MUSCLE, SMOOTH, drug effects/ MYOCARDIUM, analysis/ MYOCARDIUM, drug effects/ PREGNANCY/ RABBITS/ *SEROTONIN, pharmacodynamics/ SPECTROPHOTOMETRY/ UTERUS, analysis/ *UTERUS, drug effects

173. **Balaeva NM, Nikolskaya VN:** Increased virulence of the E vaccine strain of Rickettsia prowazeki passaged in the lungs of white mice and guinea pigs.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:11-20, 1973
ADMINISTRATION, INTRANASAL/ ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL, analysis/ CHICK EMBRYO/ COMPLEMENT FIXATION TESTS/ GUINEA PIGS/ INJECTIONS, INTRAPERITONEAL/ LICE/ LUNG, microbiology/ MICE/ PERITONEUM, microbiology/ RICKETTSIA PROWAZEKII, growth & development/ *RICKETTSIA PROWAZEKII, pathogenicity/ RICKETTSIAL DISEASES, immunology/ RICKETTSIAL DISEASES, microbiology/ TESTIS, microbiology/ VIRAL VACCINES/ VIRULENCE

174. **Balas D:** Rôle des glandes surrénales sur la sécrétion des cellules de Paneth du jéjunum de hamster. Influence des glucocorticoïdes.
C R Soc Biol (Paris) 166:449-53, 9 Nov 72 (Fr)
ADRENAL CORTEX HORMONES, physiology/ *ADRENAL GLANDS, physiology/ ADRENAL GLANDS, transplantation/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *GLUCOCORTICOIDS, physiology/ HAMSTERS/ HISTOCYTOCHEMISTRY/ HYDROCORTISONE/ pharmacodynamics/ INTESTINAL MUCOSA, physiology/ JEJUNUM, cytology/ JEJUNUM, drug effects/ JEJUNUM, physiology/ *JEJUNUM, secretion/ MINERALOCORTICOIDS, physiology/ STARVATION/ TRANSPLANTATION, HOMOLOGOUS

175. **Balasubramaniam V, Kanaka TS, Ramandujam PR, et al:** Stereotaxic-hypothalamotomy.
Confin Neurol 35:138-43, 1973
ADOLESCENCE/ ADULT/ AMYGDALOID

BODY, surgery/ CHILD/ *CHILD BEHAVIOR DISORDERS, surgery/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPERKINESIS, surgery/ *HYPOTHALAMUS, surgery/ MALE/ METHODS/ *STEREOTAXIC TECHNICS

Balaťovjech I, Michalková D, Ondruš B: Benígny foechromocytóm s nálezom nodóznej hyperplázie kóry nadobličky, paraaortálny paraganglióm a recidivujúce fibroadenómy prsníkov u dlhodobo sledovanej pacientky.
Bratisl Lek Listy 59:606-14, 1973 (Slo)
*ADENOFIBROMA, complications/ ADRENAL GLAND DISEASES, complications/ *ADRENAL GLAND NEOPLASMS, complications/ AORTIC DISEASES, complications/ *BREAST NEOPLASMS, complications/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA, complications/ NEOPLASM RECURRENCE, LOCAL/ *PARAGANGLIOMA, complications/ *PHEOCHROMOCYTOMA, complications

Balázs R: Effects of hormones and nutrition on brain development.
Adv Exp Med Biol 30:385-415, 1972 (85 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ AXONS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ *BRAIN, growth & development/ BRAIN, metabolism/ CELL DIFFERENTIATION, drug effects/ CEREBELLUM, growth & development/ DENDRITES/ DNA, metabolism/ FEMALE/ GLUCOSE, metabolism/ HYDROCORTISONE, physiology/ MITOSIS, drug effects/ NERVE TISSUE PROTEINS, biosynthesis/ NEURONS, cytology/ *NUTRITION/ NUTRITION DISORDERS, physiopathology/ PREGNANCY/ PREGNANCY COMPLICATIONS, physiopathology/ RATS/ REVIEW/ THYROID GLAND, physiology/ *THYROID HORMONES, physiology/ THYROIDECTOMY

Baldessarini RJ: Biogenic amines and behavior.
Annu Rev Med 23:343-54, 1972 (114 ref.)
AGGRESSION/ ANIMAL EXPERIMENTS/ AROUSAL/ *BEHAVIOR/ BEHAVIOR, ANIMAL/ *BIOGENIC AMINES, metabolism/ BIOGENIC AMINES, physiology/ BRAIN, metabolism/ BRAIN MAPPING/ BRAIN STEM, metabolism/ CATECHOLAMINES, metabolism/ *CENTRAL NERVOUS SYSTEM, metabolism/ DIENCEPHALON, metabolism/ DOPAMINE, metabolism/ ENDOCRINE GLANDS, physiology/ FOOD HABITS/ HUMAN/ HYPOTHALAMUS, physiology/ NOREPINEPHRINE, metabolism/ RATS/ REVIEW/ SEROTONIN, metabolism/ SEX BEHAVIOR, ANIMAL/ SLEEP/ STRESS, metabolism

Baldessarini RJ, Karobath M: Biochemical physiology of central synapses.
Annu Rev Physiol 35:273-304, 1973 (207 ref.)
ACETYLCHOLINE, metabolism/ ACETYLTRANSFERASES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ AMINO ACIDS, metabolism/ AMINOBUTYRIC ACID, metabolism/ CATECHOLAMINES, biosynthesis/ CATECHOLAMINES, metabolism/ *CENTRAL NERVOUS SYSTEM, metabolism/ CHOLINE/ DOPAMINE, metabolism/ HISTAMINE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ NERVE TISSUE PROTEINS, metabolism/ NEURAL INTERCONNECTIONS/ *NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ PEPTIDES, metabolism/ POTASSIUM, metabolism/ PROSTAGLANDINS, physiology/ RECEPTORS, DRUG/ REVIEW/ SEROTONIN, biosynthesis/ *SYNAPSES/ SYNAPSES, enzymology/ SYNAPSES, metabolism

Baldwin BA, Lipton JM: Central and peripheral temperatures and EEG changes during behavioural thermoregulation in pigs.
Acta Neurobiol Exp (Warsz) 33:433-47, 1973
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *BODY TEMPERATURE REGULATION/ CEREBRAL CORTEX, physiology/ ELECTROENCEPHALOGRAPHY/ ESCAPE REACTION/ FEMALE/ HEAT/ *HYPOTHALAMUS, physiology/ MALE/ *SKIN TEMPERATURE/ SWINE/ TEMPERATURE

181. **Baldwin BA, Stephens DB:** The effects of conditioned behaviour and environmental factors on plasma corticosteroid levels in pigs.
Physiol Behav 10:267-74, Feb 73
ACOUSTIC STIMULATION/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ CASTRATION/ CIRCADIAN RHYTHM/ COLD/ *CONDITIONING, OPERANT/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ ELECTROSHOCK/ ENVIRONMENT/ FEEDING BEHAVIOR/ FEMALE/ HOUSING, ANIMAL/ *HYDROCORTISONE, blood/ MALE/ SECRETORY RATE, drug effects/ *SWINE

182. **Baldy-Moulinier M, Arias LP, Passouant P:** Hippocampal epilepsy produced by ouabain. Studies of cerebral circulation and ionic metabolism.
Eur Neurol 9:333-48, 1973
ANIMAL EXPERIMENTS/ CARBON DIOXIDE, blood/ CATTLE/ *CEREBRAL CORTEX, metabolism/ CEREBRAL CORTEX, physiopathology/ *CEREBROVASCULAR CIRCULATION/ *CONVULSIONS, chemically induced/ CONVULSIONS, physiopathology/ CORTICOTROPIN, pharmacodynamics/ DIPHENYLHYDANTOIN, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ *HIPPOCAMPUS, drug effects/ METHYLPREDNISOLONE, pharmacodynamics/ *OUABAIN/ PARTIAL PRESSURE/ POTASSIUM, cerebrospinal fluid/ *POTASSIUM, metabolism/ SEPTUM PELLUCIDUM, metabolism/ SEPTUM PELLUCIDUM, physiopathology/ SLEEP, REM/ SODIUM, cerebrospinal fluid/ SODIUM, metabolism/ XENON

183. **Balemans MG:** The stimulatory effects of several concentrations of 5-methoxytryptophol on testicular growth in the white leghorn (Gallus domesticus L.).
J Neural Transm 34:49-60, 1973
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CHICKENS, growth & development/ COMB AND WATTLES, drug effects/ COMB AND WATTLES, growth & development/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *INDOLES, administration & dosage/ INDOLES, pharmacodynamics/ MALE/ METHYL ETHER, administration & dosage/ METHYL ETHER, pharmacodynamics/ ORGAN WEIGHT/ PERIODICITY/ *PINEAL BODY, physiology/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TESTIS, growth & development

184. **Baleva R, Nikov B, Marovski Sv:** Narusheniia v obminata i steroidniia khormonosintez pri nadbubrechen kartsinom.
Vutr Boles 12:78-81, 1973 (Bul)
*ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLANDS, secretion/ AUTOPSY/ *CARCINOMA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS, radiography

185. **Baleva R, Platonova E:** Sindrom na schmidt.
Vutr Boles 12:123-5, 1973 (Bul)
ADMINISTRATION, ORAL/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ AMINOSALICYLIC ACID, therapeutic use/ ANABOLIC STEROIDS, therapeutic use/ CHRONIC DISEASE/ CORTISONE, therapeutic use/ DESOXYCORTICOSTERONE, therapeutic use/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/

LIBRARY U. OF I., URBANA-CHAMPAIGN

INFUSIONS, PARENTERAL/ IRON, therapeutic use/ STREPTOMYCIN, therapeutic use/ SYNDROME/ THYROID HORMONES, therapeutic use/ VITAMINS, therapeutic use

186. **Baliga BS, Pohorecky LA, Munro HN, et al:** Control of adrenal medullary protein synthesis by corticosteroids.
Biochim Biophys Acta 299:337-43, 19 Mar 73
ADRENAL MEDULLA, cytology/ *ADRENAL MEDULLA, enzymology/ AMINO ACID ACTIVATION/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, enzymology/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ PITUITARY GLAND, physiology/ POLYRIBOSOMES, enzymology/ *PROTEINS, biosynthesis/ RATS/ TIME FACTORS/ TRITIUM

187. **Balitskii KP, Vinnitskii VB:** Vplyv serotoninu na enerhetychni protsesy u pukhlyni i kistkovomu mozku.
Ukr Biokhim Zh 44:303-6, 1972 (Ukr)
ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ AZIRINES, pharmacodynamics/ BENZAMIDES, pharmacodynamics/ *BONE MARROW, metabolism/ CREATININE, pharmacodynamics/ ENGLISH ABSTRACT/ GLYCOLYSIS/ HEPATOMA, blood/ *HEPATOMA, metabolism/ INJECTIONS, SUBCUTANEOUS/ LIVER NEOPLASMS, blood/ *LIVER NEOPLASMS, metabolism/ MALE/ NAD, metabolism/ NADP, metabolism/ NEOPLASM TRANSPLANTATION/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ OXYGEN CONSUMPTION/ POLAROGRAPHY/ RATS/ *SEROTONIN, pharmacodynamics/ TIME FACTORS

188. **Ballester D, Rodríguez B, Rojas M, et al:** Rapeseed meal. IV. Continuous water extraction and short-term feeding studies in rats with the detoxified product.
J Sci Food Agric 24:127-38, Feb 73
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ ANIMAL FEED, adverse effects/ BODY COMPOSITION/ BODY WEIGHT/ DIETARY PROTEINS/ FEMALE/ GLYCOSIDES, analysis/ GLYCOSIDES, toxicity/ LIVER, drug effects/ MALE/ NITROGEN, metabolism/ ORGAN WEIGHT/ OXAZOLES, analysis/ OXAZOLES, toxicity/ RATS/ *SEEDS/ SEEDS, analysis/ SULFIDES, analysis/ SULFIDES, toxicity/ THIOCYANATES, analysis/ THIOCYANATES, toxicity/ THYROID GLAND, drug effects

189. **Ballow M, Margolis CZ, Schachtel B, et al:** Progressive familial intrahepatic cholestasis.
Pediatrics 51:998-1007, Jun 73
ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BILE ACIDS AND SALTS, blood/ *BILE DUCTS, INTRAHEPATIC, abnormalities/ CALCIUM, blood/ CHOLESTASIS, complications/ CHOLESTASIS, drug therapy/ *CHOLESTASIS, familial & genetic/ CHOLESTASIS, pathology/ CHOLESTASIS, therapy/ CHOLESTEROL, blood/ DIET THERAPY/ HUMAN/ HYPERBILIRUBINEMIA, etiology/ HYPOGLYCEMIA, etiology/ INFANT/ INFANT, NEWBORN/ JAUNDICE, etiology/ LIVER, pathology/ MALABSORPTION SYNDROMES, etiology/ MALE/ PHENOBARBITAL, therapeutic use/ PRURITUS, etiology/ RICKETS, etiology

190. **Balnave D:** The influence of thyroxine and environmental temperature on the specific activity of hepatic malic enzyme in young male chicks.
Comp Biochem Physiol [A] 44:1069-74, 1 Apr 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHICKENS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *LIVER, enzymology/ *MALATE DEHYDROGENASE, metabolism/ MALE/ ORGAN WEIGHT/ TEMPERATURE/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics/ TIME FACTORS

191. **Balsan S, Garabedian M, Le Bouadec L:** Le rachitisme vitaminorésistant pseudocrentiel hypocalcémique.
Arch Fr Pediatr 29:287-304, Mar 72 (Fre)
CHOLECALCIFEROL, therapeutic use/ COMPARATIVE STUDY/ DEFICIENCY DISEASES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOCALCEMIA/ HYPOCALCEMIA, drug therapy/ INFANT/ MALE/ PARATHYROID HORMONE, therapeutic use/ *RICKETS, VITAMIN D RESISTANT/ RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, familial & genetic/ VITAMIN D, therapeutic use

192. **Baltrukiewicz Z, Derecki J, Pogorzelska-Lis M:** Transfer of selected radionuclides from the organism of pregnant and feeding female rat to the offspring.
Acta Physiol Pol 24:437-44, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ CERIUM ISOTOPES, metabolism/ CESIUM ISOTOPES, metabolism/ COMPARATIVE STUDY/ FEMALE/ FETAL MEMBRANES/ IODINE ISOTOPES, metabolism/ *LACTATION/ *MATERNAL-FETAL EXCHANGE/ PLACENTA/ PREGNANCY/ *RADIOISOTOPES, metabolism/ RATS/ TIME FACTORS/ ZIRCONIUM, metabolism

193. **Balybin ES, Palinkashi DG:** Sostoianie fodnogo obmena pri gamma-terapii onkologicheskikh bol'nykh.
Med Radiol (Mosk) 17:30-3, Oct 72 (Rus)
ADULT/ AGED/ BLADDER NEOPLASMS, metabolism/ BLADDER NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, metabolism/ CERVIX NEOPLASMS, radiotherapy/ ENGLISH ABSTRACT/ ESOPHAGEAL NEOPLASMS, radiotherapy/ FEMALE/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES/ LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ NEOPLASMS, metabolism/ *NEOPLASMS, radiotherapy/ *RADIATION EFFECTS/ RECTAL NEOPLASMS, metabolism/ RECTAL NEOPLASMS, radiotherapy/ *THYROID GLAND, metabolism

194. **Banerjee SK:** Effect of light and darkness on the hypothalamo-neurohypophyseal system of the garden lizard, Calotes versicolor.
Experientia 29:713-4, 15 Jun 73
ANIMAL EXPERIMENTS/ DARKNESS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LIGHT/ *LIZARDS, physiology/ NEUROSECRETION/ PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ PITUITARY HORMONES, analysis

195. **Banerji TK:** A comparative histological investigation on the interrenal gland of some Indian teleosts.
Anat Anz 133:20-32, 1973
*ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ CYPRINIDAE, anatomy & histology/ EPINEPHRINE, analysis/ *FISHES, anatomy & histology/ HISTOCYTOCHEMISTRY/ NOREPINEPHRINE, analysis

196. **Bar A, Hurwitz S:** Calcium restriction and intestinal calcium-binding protein in the laying fowl.
Comp Biochem Physiol [A] 45:571-7, 1 Jun
ANIMAL EXPERIMENTS/ BONE AND BONE metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, DIETARY/ CALCIUM ISOTOPES/ CARRIER PROTEINS, metabolism/ *CHICKENS, metabolism/ DUODENUM, metabolism/ ELECTROPHORESIS, DISK/ FEMALE/ FEMUR, metabolism/ *INTESTINAL MUCOSA, metabolism

Bar A, Hurwitz S: Uterine calcium-binding protein in the laying fowl.
Comp Biochem Physiol [A] 45:579-86, 1 Jun 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ CALCIUM ISOTOPES/ CARBANILIDES, pharmacodynamics/ CARRIER PROTEINS, isolation & purification/ *CARRIER PROTEINS, metabolism/ CHICKENS, growth & development/ DUODENUM, metabolism/ ELECTROPHORESIS, DISK/ FEMALE/ *INTESTINAL MUCOSA, metabolism/ MOLECULAR WEIGHT/ MUCOUS MEMBRANE, metabolism/ NITRO COMPOUNDS, pharmacodynamics/ OVUM, drug effects/ OVUM, growth & development/ PRECIPITATION/ PYRIMIDINES, pharmacodynamics/ SODIUM DODECYL SULFATE/ UTERUS, anatomy & histology/ UTERUS, drug effects/ *UTERUS, metabolism

Baran D: Responses of male Mongolian gerbils to male gerbil odors. J Comp Physiol Psychol 84:63-72, Jul 73
ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ CUES/ DISCRIMINATION/ *EXPLORATORY BEHAVIOR/ *GERBILS, physiology/ HOUSING, ANIMAL/ MALE/ OLFACTORY BULB, physiology/ ORIENTATION/ *PHEROMONES/ SEX FACTORS/ *SMELL/ SPECIES SPECIFICITY/ TASTE/ TOUCH/ VISUAL PERCEPTION

Barandun S: Clinical manifestations of immunodeficiency disorders.
Monogr Hum Genet 6:160-71, 1972
AGAMMAGLOBULINEMIA, familial & genetic/ ALDRICH SYNDROME, familial & genetic/ *ANTIBODY FORMATION/ ATAXIA TELANGIECTASIA, familial & genetic/ AUTOSOME ABNORMALITIES/ CHILD, PRESCHOOL/ FEMALE/ GENES, RECESSIVE/ HUMAN/ *IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, classification/ IMMUNOLOGIC DEFICIENCY SYNDROMES, embryology/ IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, physiopathology/ INFANT/ INFANT, NEWBORN/ B-LYMPHOCYTES/ T-LYMPHOCYTES/ MALE/ PARATHYROID GLANDS, abnormalities/ THYMUS GLAND, abnormalities

Barbeau A: Role of dopamine in the nervous system.
Monogr Hum Genet 6:114-36, 1972 (120 ref.)
ACETYLCHOLINE, metabolism/ AMINOBUTYRIC ACID, metabolism/ AUTONOMIC NERVOUS SYSTEM, drug effects/ DOPA, adverse effects/ DOPA, therapeutic use/ *DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ DOPAMINE, therapeutic use/ FEEDBACK/ *GANGLIA, BASAL, metabolism/ HUMAN/ NOREPINEPHRINE, metabolism/ PARKINSONISM, drug therapy/ PERIPHERAL NERVES, drug effects/ RECEPTORS, DRUG/ REVIEW/ SEROTONIN, metabolism

Barbour JA, Baillie MD: Effect of the synthetic peptide, Sq 20,881, on distribution of blood flow in the rat.
Proc Soc Exp Biol Med 143:400-3, Jun 73
ADRENAL GLANDS, blood supply/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ FEMALE/ INTESTINES, blood supply/ KIDNEY, blood supply/ LIVER CIRCULATION, drug effects/ MICROSPHERES/ MUSCLES, blood supply/ *PEPTIDES, pharmacodynamics/ RADIOISOTOPES/ RATS/ *REGIONAL BLOOD FLOW, drug effects/ SPLEEN, blood supply/ STOMACH, blood supply/ STRONTIUM ISOTOPES/ YTTERBIUM

Bargiel Z, Wasilewska E: Adrenergic compensatory mechanisms in the successive stages of experimental hypoglycaemia. Acta Physiol Pol 24:289-93, Jan-Feb 73
ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ EPINEPHRINE, blood/ EPINEPHRINE, secretion/ FASTING/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, physiopathology/ INSULIN/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, secretion/ RABBITS/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS

203. Bargman GJ, Gardner LI: Experimental production of otic lesions with antithyroid drugs.
Adv Exp Med Biol 30:305-23, 1972
ANIMAL EXPERIMENTS/ AUDITORY CORTEX, drug effects/ CELL NUCLEUS/ CHICK EMBRYO/ COCHLEA, pathology/ COCHLEAR NERVE, pathology/ CYTOPLASM/ *EAR, drug effects/ *EAR DISEASES, chemically induced/ EAR, MIDDLE, drug effects/ EAR, MIDDLE, pathology/ GOITER, chemically induced/ HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, pathology/ LABYRINTH, drug effects/ *PROPYLTHIOURACIL/ THYROID GLAND, pathology/ THYROXINE, pharmacodynamics

204. Barker EA, Smuckler EA: Nonhepatic thioacetamide injury. I. Thymic cortical necrosis.
Am J Pathol 71:409-18, Jun 73
*ACETAMIDES, toxicity/ ADMINISTRATION, ORAL/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ HEMATOCRIT/ LEUKOCYTE COUNT/ T-LYMPHOCYTES/ MALE/ NECROSIS/ ORGAN WEIGHT/ RATS/ THIOACETAMIDE, administration & dosage/ THIOACETAMIDE, toxicity/ THYMUS GLAND, anatomy & histology/ *THYMUS GLAND, drug effects/ THYMUS GLAND, pathology

205. Barlet JP: The influence of gastrin on the fecal and urinary excretion of water, calcium, magnesium, and inorganic phosphorus in sheep.
Horm Metab Res 5:124-8, Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, urine/ *FECES, analysis/ *GASTRIN, pharmacodynamics/ INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, analysis/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ MALE/ PENTAGASTRIN, pharmacodynamics/ PHOSPHATES, analysis/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ SHEEP/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ TIME FACTORS/ *WATER, metabolism/ WATER, urine

206. Barnett SA, McEwan IM: Movements of virgin, pregnant and lactating mice in a residential maze.
Physiol Behav 10:741-6, Apr 73
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ DRINKING/ EATING/ ESTRUS/ EXPLORATORY BEHAVIOR/ FEMALE/ *GENETICS, BEHAVIORAL/ GENOTYPE/ HOME RANGE/ *HOUSING, ANIMAL/ *LACTATION/ LOCOMOTION/ MICE, INBRED A/ MICE, INBRED C57BL/ MOTOR ACTIVITY/ *MOVEMENT/ NESTING BEHAVIOR/ PREGNANCY/ *PREGNANCY, ANIMAL/ REWARD

207. Barr M Jr: The teratogenicity of cadmium chloride in two stocks of Wistar rats. Teratology 7:237-42, Jun 73
ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, DRUG-INDUCED/ *ABNORMALITIES, MULTIPLE, chemically induced/ ANIMAL EXPERIMENTS/ ANOPHTHALMOS, chemically induced/ ANUS, IMPERFORATE, chemically induced/ CADMIUM, administration & dosage/ *CADMIUM, toxicity/ DIAPHRAGM, abnormalities/ FEMALE/ FETAL DEATH, chemically induced/ *FETUS, drug effects/ FETUS, growth & development/ FORELIMB, abnormalities/ HYDROCEPHALUS, chemically induced/ HYDRONEPHROSIS, chemically induced/ MALE/ MICROPHTHALMOS, chemically induced/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ TAIL, abnormalities/ TESTIS, abnormalities/ UMBILICAL ARTERIES, abnormalities

LIBRARY U. OF I., URBANA-CHAMPAIGN

208. **Barratt TM, Cameron JS, Chantler C, et al:** Comparative trial of 2 weeks and 8 weeks cyclophosphamide in steroid-sensitive relapsing nephrotic syndrome of childhood.
Arch Dis Child 48:286-90, Apr 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ RECURRENCE/ STATISTICS/ TIME FACTORS

209. **Barreras RF:** Calcium and gastric secretion.
Gastroenterology 64:1168-84, Jun 73 (103 ref.)
CALCIUM, antagonists & inhibitors/ *CALCIUM, pharmacodynamics/ *GASTRIC MUCOSA, secretion/ GASTRIN, antagonists & inhibitors/ *GASTRIN, secretion/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERCALCEMIA, blood/ HYPERCALCEMIA, metabolism/ HYPERPARATHYROIDISM, occurrence/ HYPOCALCEMIA, metabolism/ INJECTIONS, INTRAVENOUS/ PEPTIC ULCER, occurrence/ REVIEW

210. **Barrett JL, Sayers P:** Unsuccessful fluorouracil treatment of recalcitrant pustular psoriasis.
Arch Dermatol 108:135, Jul 73
ADULT/ FLUOROURACIL, administration & dosage/ *FLUOROURACIL, therapeutic use/ HUMAN/ HYDROXYUREA, therapeutic use/ MALE/ PREDNISONE, therapeutic use/ *PSORIASIS, drug therapy

211. **Barroso JS, Santos Pinto R dos, Okamoto T:** Efeitos do 6-tiouracil no processo de reparo em feridas de extração dental. Estudo histológico em ratos.
Rev Fac Odontol Aracatuba 1:71082, 1972 (Por)
ENGLISH ABSTRACT/ SPECIAL LIST DENTAL/ THIOURACIL, therapeutic use/ TOOTH EXTRACTION/ WOUND HEALING, drug effects

212. **Barry J:** Etude en technique de Golgi du mode de division et de terminaison des fibres du tractus hypothalamo-infundibulaire des mammifères.
C R Soc Biol (Paris) 166:1313-5, 1972 (Fre)
ANIMAL EXPERIMENTS/ AXONS/ GUINEA PIGS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *NERVE ENDINGS/ STAINS AND STAINING

213. **Barry J:** Etude neurohistologique des cellules réticulaires de l'hypothalamus des mammifères.
C R Acad Sci [D] (Paris) 275:1163-5, 11 Sep 72 (Fre)
ANIMAL EXPERIMENTS/ AXONS/ DENDRITES/ GUINEA PIGS/ HAMSTERS/ HISTOLOGICAL TECHNICS/ *HYPOTHALAMUS, cytology/ MICE/ RATS/ *RETICULUM/ RODENTS

214. **Bartel J:** Zur Pathogenese des septisch-toxischen Schocks.
Z Aerztl Fortbild (Jena) 66:753-8, 1 Aug 72 (49 ref.) (Ger)
ANIMAL EXPERIMENTS/ AUTOLYSIS/ CAPILLARY PERMEABILITY/ CARDIAC OUTPUT/ CATHEPSIN, blood/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ GLUCURONIDASE, blood/ HUMAN/ HYPOTENSION, etiology/ LYSOSOMES, metabolism/ NOMENCLATURE/ OXYGEN CONSUMPTION/ PHOSPHATASES, blood/ PREDNISOLONE, therapeutic use/ PROGNOSIS/ REVIEW/ SEPTICEMIA, complications/ SHOCK, ENDOTOXIC, blood/ SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, enzymology/ *SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, metabolism/ SHOCK, ENDOTOXIC, therapy/ SHWARTZMAN PHENOMENON, physiopathology/ TIME FACTORS/ WATERHOUSE-FRIDERICHSEN SYNDROME, physiopathology

215. **Bartelt H:** Die Behandlung allergischen Dermatitiden mit Celestamine-Sirup.
Z Allgemeinmed 48:1456-7, 10 Nov 72 (Ger)
AGE FACTORS/ *BETAMETHASONE, administration & dosage/ CHEMISTRY/ CHILD/ CHILD, PRESCHOOL/ *CHLORPHENIRAMINE, administration & dosage/ *DERMATITIS MEDICAMENTOSA, drug therapy/ DRUG COMBINATIONS/ HUMAN/ INFANT

216. **Barton CR, Allen WM:** Possible paralytic myoglobinuria of unknown aetiology in young cattle.
Vet Rec 92:288-90, 17 Mar 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ CATTLE/ *CATTLE DISEASES, etiology/ CHLORAMPHENICOL, therapeutic use/ COLI adverse effects/ CREATINE, urine/ CREATINE KINASE, blood/ DEXAMETHASONE, therapeutic use/ DIET, adverse effects/ EXERTION/ FEMALE/ MYOGLOBINURIA, drug therapy/ MYOGLOBINURIA, etiology/ *MYOGLOBINURIA, veterinary/ PARALYSIS, drug therapy/ PARALYSIS, etiology/ *PARALYSIS, veterinary/ PORPHYRINS, urine/ TRIPELENNAMINE, therapeutic use/ VITAMIN B COMPLEX, therapeutic use/ VITAMIN E, therapeutic use

217. **Bartsch W:** Orale Kontrazeption--was ist das eigentlich
Krankenpflege 27:239-40, Jun 73 (Ge
CONTRACEPTIVES, ORAL, pharmacodynamics CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ NIDATION, drug effects OVULATION, drug effects/ SPECIAL LIST NURSING

218. **Bartuska DG, Dratman MB:** Evolving concepts thyroid function.
Med Clin North Am 57:1117-33, Jul 73 (67 re
CORONARY DISEASE, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GOITER, EXOPHTHALMIC/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, complications/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MYXEDEMA/ PREGNANCY/ PREGNANCY COMPLICATIONS/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ REVIEW/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, physiopathology/ THYROID DISEASES, therapy/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, physiology/ THYROID NEOPLASMS, diagnos THYROIDITIS/ THYROTROPIN, analysis/ THYROTROPIN RELEASING FACTOR/ THYROXINE-BINDING PROTEIN

219. **Barzel US, Hart H:** Studies in calcium absorption: ini entry calcium into the gastrointestinal tract hyperparathyroidism and in a case of renal tubu acidosis. Nephron 10:714-87, 1973
*ACIDOSIS, RENAL TUBULAR, metabolism/ ADULT/ AGED/ AMMONIUM CHLORIDE/ *CALCIUM, metabolism/ CALCIUM CHLORIDE/ CALCIUM, DIETARY/ CALCIU ISOTOPES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYPERPARATHYROIDISM, metabolism/ *INTESTINAL ABSORPTION/ *KIDNEY TUBULES, metabolism/ MALE/ MIDDLE A VITAMIN D

220. **Barzilay I, Sussman JL, Lapidot Y:** Further studie the chromatographic behaviour of dinucleosi monophosphates. J Chromatogr 79:139-46, 16 Ma
ADENOSINE CYCLIC 3',5' MONOPHOSPHA analysis/ ADENOSINE MONOPHOSPHATE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER CHROMATOGRAPHY, THIN LAYER/ CYTIDINE, analysis/ FREEZE DRYING/ GUANOSINE CYCLIC 3',5' MONOPHOSPHA analysis/ ISOMERISM/ METHODS/ *NUCLEOTIDES, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ URIDINE, analysis

221. **Basch A, Huszka E:** Zervikales Hämatom n

Karotis-Angiographie unter Streptase-Behandlung.
Zentralbl Chir 97:1765-8, 9 Dec 72 (Ger)
ADULT/ AUTOPSY/ CAROTID ARTERIES, radiography/ *CEREBRAL ANGIOGRAPHY, adverse effects/ CEREBRAL ARTERIES/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *HEMATOMA, etiology/ HUMAN/ NECK, blood supply/ *STREPTOKINASE, adverse effects/ STREPTOKINASE, therapeutic use/ *THROMBOEMBOLISM, drug therapy/ THROMBOEMBOLISM, etiology/ TIME FACTORS

asile F: La sindrome di femminilizzazione testicolare. Un caso clinico.
Minerva Ginecol 25:187-91, Apr 73 (Ita)
ADULT/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ KARYOTYPING/ PROGESTATIONAL HORMONES, therapeutic use/ SEX CHROMOSOMES/ SYNDROME/ TESTICULAR FEMINIZATION, diagnosis/ *TESTICULAR FEMINIZATION, drug therapy

asinska J, Sastry PS, Stancer HC: Incorporation of 32Pi orthophosphate into phospholipids of calf pineal slices in the presence and absence of neurotransmitters. Endocrinology 92:1588-95, Jun 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ IN VITRO/ LECITHINS, metabolism/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHOINOSITIDES, metabolism/ *PHOSPHOLIPIDS, metabolism/ *PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ PHYSOSTIGMINE, pharmacodynamics/ *PINEAL BODY, metabolism/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ TISSUE CULTURE

asinska J, Sastry PS, Stancer HC: Incorporation of orthophosphate 32Pi into the phospholipids of slices of gonads, anterior pituitary and liver of calf.
Endocrinology 92:1786-9, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ IN VITRO/ *LIVER, metabolism/ *OVARY, metabolism/ PHOSPHOINOSITIDES, metabolism/ *PHOSPHOLIPIDS, metabolism/ *PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, metabolism/ *TESTIS, metabolism/ TIME FACTORS

askin SI, Akera T, Puckett CR, et al: Effect of potassium canrenoate on cardiac functions and (Na + + K +)-activated ATPase.
Proc Soc Exp Biol Med 143:495-8, Jun 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ARRHYTHMIA, chemically induced/ CORONARY CIRCULATION, drug effects/ *DIURETICS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FEMALE/ GUINEA PIGS/ *HEART, drug effects/ HEART RATE, drug effects/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ *MYOCARDIUM, enzymology/ OUABAIN, pharmacodynamics/ POTASSIUM/ *PREGNADIENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ SODIUM

askin SI, Dagirmanjian R: The effect of taurine on the pigmentation of the bullfrog tadpole.
Comp Biochem Physiol [A] 44:297-302, 1 Feb 73
ANIMAL EXPERIMENTS/ CHROMATOPHORES, metabolism/ FROGS/ LARVA/ MELATONIN, metabolism/ MICROSCOPY/ *PIGMENTATION, drug effects/ RANA CATESBEIANA/ SKIN, cytology/ SKIN, metabolism/ SPECTROPHOTOMETRY/ *TAURINE, pharmacodynamics/ TIME FACTORS

askin SI, Dutta S, Marks BH: The effects of diphenylhydantoin and potassium on the biological activity of ouabain in the guinea-pig heart.
Br J Pharmacol 47:85-96, Jan 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ DIPHENYLHYDANTOIN, metabolism/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DRUG INTERACTIONS/ EXTRACELLULAR SPACE/ GUINEA PIGS/ *HEART RATE, drug effects/ IN VITRO/ MALE/ *MYOCARDIAL DEPRESSANTS, pharmacodynamics/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ *OUABAIN, pharmacodynamics/ PERFUSION/ POTASSIUM, analysis/ POTASSIUM, pharmacodynamics/ *POTASSIUM, pharmacodynamics/ SODIUM, analysis/ SODIUM ISOTOPES/ TIME FACTORS/ TRITIUM

228. **Bassett JR, Cairncross KD, King MG: Parameters of novelty, shock predictability and response contigency in corticosterone release in the rat.**
Physiol Behav 10:901-7, May 73
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ CONDITIONING, CLASSICAL/ *CORTICOSTERONE, blood/ ELECTROSHOCK/ ESCAPE REACTION/ *EXPLORATORY BEHAVIOR/ HABITUATION (PSYCHOPHYSIOLOGY)/ HOUSING, ANIMAL/ MALE/ PROBABILITY/ RATS/ REACTION TIME/ *STRESS, PSYCHOLOGICAL

229. **Bassiri RM, Utiger RD: Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans.**
J Clin Invest 22:1616-9, Jul 73
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, blood/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, urine

230. **Basso N, De la Riva IJ: Increased cardiovascular reactivity after bilateral nephrectomy in the rat.**
Acta Physiol Lat Am 23:1-8, 1973
ANGIOTENSIN, metabolism/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CARDIAC OUTPUT, drug effects/ FOOD DEPRIVATION/ HALF-LIFE/ HEART RATE, drug effects/ MALE/ *NEPHRECTOMY/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ *RENIN, pharmacodynamics/ TYRAMINE, metabolism/ *TYRAMINE, pharmacodynamics

231. **Basu PK, Carré F: A study of cells in human corneal grafts. Growth potential in vitro, cellular morphology, and fate of donor cells.** Can J Ophthalmol 8:1-9, Jan 73
ADULT/ AGE FACTORS/ AGED/ CELL SURVIVAL/ CELLS, CULTURED/ CORNEA, pathology/ CORNEA, physiology/ *CORNEA, transplantation/ *CORNEAL OPACITY, etiology/ CORNEAL OPACITY, pathology/ FEMALE/ FIBROBLASTS/ *GRAFT REJECTION/ HUMAN/ LYMPHOCYTES/ MACROPHAGES/ MALE/ MIDDLE AGE/ MONOCYTES/ SEX CHROMATIN/ SEX FACTORS/ TIME FACTORS/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS

232. **Bates D, Stevens JC, Hudgson P: "Polymyositis" with involvement of facial and distal musculature. One form of the fascioscapulohumeral syndrome?**
J Neurol Sci 19:105-8, May 73
ACTION POTENTIALS/ AGE FACTORS/ BLOOD SEDIMENTATION/ ELECTROMYOGRAPHY/ *FACIAL MUSCLES, pathology/ HUMAN/ *HUMERUS/ MALE/ MIDDLE AGE/ *MUSCLES, pathology/ MYOSITIS, drug therapy/ *MYOSITIS, pathology/ MYOSITIS, physiopathology/ NEURAL CONDUCTION/ NEURAL TRANSMISSION/ PREDNISONE, therapeutic use/ *SCAPULA/ SYNDROME

233. **Batra GK, Kuhn CW: Inhibition of acquired resistance in cowpea chlorotic mottle virus-infected hypersensitive soybean by 2-thiouracil.**

LIBRARY U. OF I., URBANA-CHAMPAIGN

Virology 54:262-9, Jul 73
*IMMUNITY, drug effects/ PLANT DISEASES/ *PLANT VIRUSES, growth & development/ PLANTS, drug effects/ *PLANTS, immunology/ SOY BEANS/ TEMPERATURE/ *THIOURACIL, pharmacodynamics/ TIME FACTORS/ VIRUS REPLICATION

234. **Batra S:** Binding of progesterone in vitro by the cytoplasmic components of the human myometrium.
J Endocrinol 57:561-2, Jun 73
BINDING SITES/ CENTRIFUGATION/ CHROMATOGRAPHY, THIN LAYER/ *CYTOPLASM, metabolism/ FEMALE/ HUMAN/ HYDROCORTISONE/ IN VITRO/ *PROGESTERONE, metabolism/ TESTOSTERONE/ TRITIUM/ *UTERUS, metabolism

235. **Battin J, Hehunstre JP, Saint-Jammes JG, et al:** Une association cardio-cultanée: le syndrome LEOPAR.
Arch Fr Pediatr 29:1117-8, Dec 72 (Fre)
ADOLESCENCE/ AUTOSOME ABNORMALITIES/ CASE REPORT/ *CRANIOFACIAL DYSOSTOSIS/ DEAFNESS/ *DUCTUS ARTERIOSUS, PATENT/ EYE, abnormalities/ HAND, abnormalities/ HUMAN/ *HYPERTRICHOSIS/ MALE/ SYNDROME/ TESTIS, abnormalities

236. **Baughman FA Jr, Higgins JV, Mann JD:** Sex chromosome anomalies and essential tremor.
Neurology (Minneap) 23:623-5, Jun 73
ADOLESCENCE/ ADULT/ CHILD/ HUMAN/ KARYOTYPING/ MALE/ MIDDLE AGE/ *SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ *TREMOR, familial & genetic

237. **Baumann JB, Nars PW, Stahl M, et al:** Zur Aufnahme und Inaktivierung von ACTH an isolierten Fettzellen.
Schweiz Med Wochenschr 103:845-7, 9 Jun 73 (Ger)
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, immunology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES/ CALCIUM, metabolism/ *CORTICOTROPIN, metabolism/ ENGLISH ABSTRACT/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ RATS/ RECEPTORS, HORMONE/ TRYPSIN

238. **Baumann R, Rubin H:** Autoimmune hemolytic anemia during pregnancy with hemolytic disease in the newborn.
Blood 41:293-7, Feb 73
ADULT/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANTIBODIES, analysis/ BLOOD TRANSFUSION/ COOMBS' TEST/ *ERYTHROBLASTOSIS, FETAL/ FEMALE/ HUMAN/ IGG, analysis/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PREDNISONE, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS, HEMATOLOGIC

239. **Baumgartner H, Winkler H, Hörtnagl H:** Isolated chromaffin granules maintenance of ATP content during incubation at 31 degrees C.
Eur J Pharmacol 22:102-4, Apr 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL GLANDS, metabolism/ ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOLAMINES, metabolism/ CATTLE/ CHROMAFFIN SYSTEM, cytology/ *CHROMAFFIN SYSTEM, metabolism/ IN VITRO/ MAGNESIUM, metabolism/ NOREPINEPHRINE, metabolism/ NUCLEOTIDES, metabolism/ TIME FACTORS/ TRITIUM

240. **Bauminger S, Lindner HR, Weinstein A:** Properties of antisera to progesterone and to 17-hydroxy-progesterone elicited by immunization with the steroids attached to protein through position 7.
Steroids 21:947-56, Jun 73
BINDING SITES, ANTIBODY/ CATTLE/ CROSS REACTIONS/ *HYDROXYPROGESTERONE, metabolism/ *IMMUNE SERUMS/ IMMUNIZATION/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RABBITS, immunology/ SERUM ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

241. **Bausenwein I:** Konstitutionsabhängige Beeinflussu sportlicher Leistungsfähigkeit durch ovarielle Steroide. Bemerkungen zu G. Martius, Münch. m
Wschr. 115(1973)6, 169-173.
Munch Med Wochenschr 115:729, 20 Apr 73 (G
BODY CONSTITUTION/ *ESTROGENS/ FEMALE/ HUMAN/ *MENSTRUATION/ MUSCLE TONUS/ *SPORTS

242. **Baxter DW, Rosenthal MW, Lindenbaum A:** Decorporation of monomeric plutonium from the d by glucan and-or DTPA.
Radiat Res 55:144-52, Jul
ANIMAL EXPERIMENTS/ BONE AND BON metabolism/ BONE MARROW, metabolism/ *DECONTAMINATION/ DOGS/ *DTPA, pharmacodynamics/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ LYMPH NODES, metabolism/ MALE/ MANDIBLE, metabolism/ MUSCLES, metabolism/ PLUTONIUM, blood/ *PLUTONIUM, metabolism/ PLUTONIUM, urine/ *POLYSACCHARIDES, pharmacodynamics/ SACCHAROMYCES/ SPLEEN, metabolism/ TESTIS, metabolism/ TOOTH, metabolism

243. **Baxter DW, Rosenthal MW, Russell JJ, et a** Comparison of monomeric and polymeric pluton in the dog and mouse.
Radiat Res 54:556-65, Ju
ANIMAL EXPERIMENTS/ BONE AND BON metabolism/ DOGS/ FECES, metabolism/ FEMALE/ FEMUR, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ LYMPH NODES, metabolism/ MALE/ MANDIBLE, metabolism/ MICE/ MUSCLES, metabolism/ PLUTONIUM, bloo *PLUTONIUM, metabolism/ PLUTONIUM, urine/ SPECIES SPECIFICITY/ SPLEEN, metabolism/ TESTIS, metabolism/ TOOTH, metabolism

244. **Baylink D, Sipe J, Wergedal J, et al:** Vita D-enhanced osteocytic and osteoclastic bon resorption.
Am J Physiol 224:1345-57, Jun
ANIMAL EXPERIMENTS/ *BONE RESORPTION, drug effects/ CALCIUM, bl CALCIUM, metabolism/ FEMUR, anatomy histology/ HYPERCALCEMIA/ MALE/ MERCURY/ MICROSCOPY, ELECTRON/ *OSTEOCLASTS, drug effects/ OSTEOCLA physiology/ *OSTEOCYTES, drug effects/ OSTEOCYTES, physiology/ PHOSPHORUS, blood/ PRESSURE/ RATS/ TIBIA, anatom histology/ *VITAMIN D, pharmacodynamics

245. **Bazaciiu E, Tonceanu S, Carp G:** Eficienta corticoterpaiei intermitente in tuberculoza cop şi pubertarului.
Ftiziologia 22:289-94, May-Jun 73 (
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ *ANTITUBERCULAR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeu use/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ PREDNISONE, therapeutic use/ *TUBERCULOSIS IN CHILDHOOD, drug therapy/ *TUBERCULOSIS, LYMPH NOD drug therapy/ *TUBERCULOSIS, MENING drug therapy/ *TUBERCULOSIS, PULMONARY, drug therapy

246. **Beale RN, Croft D, Powell D:** Some effects of t disease on neutral steroid metabolism.
J Endocrinol 57:317-24, May 73
ANDROSTANES, urine/ CHROMATOGRAP GAS/ ETIOCHOLANOLONE, urine/ FEMA HUMAN/ 17-HYDROXYCORTICOSTEROID urine/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, urine/ *HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, urine/ 17-KETOSTER urine/ MALE/ PROTEIN-BOUND IODINE TEST/ *STEROIDS, metabolism/ STEROI

urine/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

7. **Beams HW, Kessel RG:** Studies on the fine structure of the protozoan Cyclidium, with special reference to the mitochondria, pellicle and surface-associated bacteria.
Z Zellforsch Mikrosk Anat 139:303-10, 23 May 73
ANIMAL EXPERIMENTS/ BACTERIA/ CELL MEMBRANE/ CELL NUCLEUS/ CELL WALL/ CELLULAR INCLUSIONS/ CILIA/ *CILIATA, cytology/ CRYSTALLIZATION/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ OVARY/ SEA URCHINS

8. **Bean GA, Patterson GW, Motta JJ:** Sterols and fatty acids of some aquatic phycomycetes.
Comp Biochem Physiol [B] 43:935-9, 15 Dec 72
*CHOLESTEROL, metabolism/ DIHYDROCHOLESTEROL, analysis/ ERGOSTEROL, metabolism/ *FATTY ACIDS, metabolism/ FREEZE DRYING/ PHYCOMYCETES, analysis/ *PHYCOMYCETES, metabolism/ *VITAMIN D, metabolism

9. **Beardwood CJ:** Response of pituitary gonadotrophin excretion to audiostimulation of normal male subjects. S Afr Med J 47:938, 9 Jun 73
*ACOUSTIC STIMULATION/ ADULT/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ MALE

0. **Beattie CW, Campbell CS, Nequin LG, et al:** Barbiturate blockade of tonic LH secretion in the male and female rat. Endocrinology 92:1634-8, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ FEMALE/ *LH, blood/ MALE/ OVARY, physiology/ PENTOBARBITAL, blood/ *PENTOBARBITAL, pharmacodynamics/ PERIODICITY/ RATS/ TESTIS, physiology/ TIME FACTORS

1. **Beatty CH, Bocek RM, Young MK:** Effect of oxytocin and epinephrine on the adenylate cyclase activity of myometrium from pregnant Rhesus monkeys.
Horm Metab Res 5:213-5, May 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CARBON ISOTOPES/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ MACACA/ MONKEYS/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, enzymology

2. **Beatty WW:** Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. Physiol Behav 10:627-8, Mar 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ *BODY WEIGHT, drug effects/ CASTRATION/ *EATING, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ PROPIONATES/ PUBERTY/ RATS/ SEX FACTORS/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

3. **Beatty WW:** Influence of type of reinforcement on operant responding by rats with ventromedial lesions.
Physiol Behav 10:841-6, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CONDITIONING, OPERANT/ DRINKING/ EATING/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ *HYPOTHALAMUS, physiology/ OBESITY/ OSMOLAR CONCENTRATION/ RATS/ REINFORCEMENT SCHEDULE/ *REWARD/ SUCROSE/ *TASTE

4. **Beaudry C, Laplate L:** Treatment of renal failure from diabetic nephropathy with cadaveric homograft.
Can Med Assoc J 108:887-8 passim, 7 Apr 73
ADULT/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CADAVER/ CREATININE, blood/ DIABETES MELLITUS, JUVENILE, complications/ DIABETIC NEPHROPATHIES, blood/ *DIABETIC NEPHROPATHIES, complications/ DIABETIC NEPHROPATHIES, drug therapy/ DIABETIC RETINOPATHY, complications/ GRAFT REJECTION/ HUMAN/ INSULIN, LENTE, therapeutic use/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY FAILURE, CHRONIC, surgery/ MALE/ METHODS/ METHYLDOPA, therapeutic use/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ VISUAL ACUITY

255. **Beauvallet M, Cheymol J, Bourillet R, et al:** Contribution à l'étude de l'action de venins de scorpions sur la sécrétion médullo-surrénale.
J Physiol (Paris) 65:Suppl 3:345A, 1972 **(Fre)**
*ADRENAL MEDULLA, drug effects/ ANIMAL EXPERIMENTS/ EPINEPHRINE, blood/ MALE/ NOREPINEPHRINE, blood/ RATS/ *SCORPIONS/ *VENOMS, pharmacodynamics

256. **Beauvillain JC:** Structure fine de l'eminence médiane de souris au cours de son ontogenese.
Z Zellforsch Mikrosk Anat 139:201-15, 13 May 73 **(Fre)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ CAPILLARIES, cytology/ CAPILLARIES, embryology/ CEREBRAL VENTRICLES, cytology/ *CEREBRAL VENTRICLES, embryology/ ENDOTHELIUM, cytology/ ENGLISH ABSTRACT/ FEMALE/ FETUS, anatomy & histology/ GESTATIONAL AGE/ HYPOTHALAMUS, embryology/ MICE/ MICROSCOPY, ELECTRON/ NERVE ENDINGS, cytology/ NERVE ENDINGS, embryology/ PITUITARY HORMONES, ANTERIOR, secretion/ SYNAPTIC VESICLES

257. **Bechtol CO:** The biomechanics of the epiphyseal lines as a guide to design considerations for the attachment of prosthesis to the musculo-skeletal system.
J Biomed Mater Res 7:343-62, 1973
ANKLE JOINT/ BIOMECHANICS/ BIRDS/ BONE AND BONES, anatomy & histology/ *BONE AND BONES, surgery/ BONE REGENERATION/ *CERAMICS/ DENSITOMETRY/ *EPIPHYSES, anatomy & histology/ FEMUR HEAD, anatomy & histology/ HUMAN/ JOINT PROSTHESIS/ KNEE JOINT/ LOCOMOTION/ MAMMALS/ METHYLMETHACRYLATE/ *PROSTHESIS/ PROSTHESIS DESIGN/ SHEEP/ TIBIA, anatomy & histology

258. **Beck CC:** How impervious is the placental barrier?
Vet Med Small Anim Clin 68:468-80, May 73 (130 ref.)
ABNORMALITIES, veterinary/ ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ DRUGS, metabolism/ FETAL DISEASES, veterinary/ FETUS, immunology/ GOATS/ HORMONES, metabolism/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ MICE/ *PLACENTA, metabolism/ PLACENTA, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PREGNANCY COMPLICATIONS, veterinary/ PROTEINS, metabolism/ RABBITS/ RATS/ REVIEW/ SHEEP/ SPECIES SPECIFICITY/ VIRUS DISEASES, complications/ VIRUS DISEASES, veterinary

259. **Beck P:** Contraceptive steroids: modifications of carbohydrate and lipid metabolism.
Metabolism 22:841-55, Jun 73 (65 ref.)
ADULT/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *CARBOHYDRATES, metabolism/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, metabolism/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CORONARY DISEASE, chemically induced/ DIABETES MELLITUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, metabolism/ *LIPIDS, metabolism/ MONKEYS/ NANDROLONE, metabolism/ PREGNANCY/ PREGNANCY IN DIABETES, metabolism/ PROGESTERONE, metabolism/ RATS/ REVIEW/ TRIGLYCERIDES, blood

260. **Beck R, Soloveitzik L, Barzilai D:** Hormonogenesis in whole and sliced rat thyroid lobes maintained in organ

LIBRARY U. OF I., URBANA-CHAMPAIGN

cultures. Acta Endocrinol (Kbh) 73:59-63, May 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE/ CHROMATOGRAPHY, PAPER/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ IN VITRO/ IODINE ISOTOPES, metabolism/ ORGAN CULTURE/ ORGAN WEIGHT/ OXYGEN/ RATS/ *THYROID GLAND, metabolism/ *THYROID HORMONES, biosynthesis/ TISSUE SURVIVAL

261. **Becker H, Ungeheuer E:** Bedeutung der Thymektomie bei der Behandlung der Myasthenia gravis pseudoparalytica.
Med Klin 68:731-5, 1 Jun 73 (Ger)
ADULT/ AGE FACTORS/ CHOLINESTERASE INHIBITORS, administration & dosage/ CHOLINESTERASE INHIBITORS, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, drug therapy/ *MYASTHENIA GRAVIS, therapy/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ PROGNOSIS/ *THYMECTOMY/ THYMUS HYPERPLASIA, surgery/ THYMUS NEOPLASMS, surgery

262. **Beckerhoff R, Vetter W, Armbruster H, et al:** Plasma-aldosterone during oral-contraceptive therapy. Lancet 1:1218-9, 2 Jun 73
ACETATES, pharmacodynamics/ ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ ANGIOTENSIN, blood/ BLOOD PRESSURE/ BODY WEIGHT/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RENIN, blood/ TIME FACTORS

263. **Beckers C:** Hypothalamo-pituitary interrelationships in thyroid pathology, with special reference to cretinism. Adv Exp Med Biol 30:429-40, 1972 (49 ref.)
ANIMAL EXPERIMENTS/ *CRETINISM, physiopathology/ DWARFISM, physiopathology/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiopathology/ HYPOTHYROIDISM, physiopathology/ MATERNAL-FETAL EXCHANGE/ NERVOUS SYSTEM DISEASES, physiopathology/ *PITUITARY GLAND, physiopathology/ RABBITS/ RATS/ REVIEW/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, blood/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, physiology

264. **Beechey CV:** X-Y chromosome dissociation and sterility in the mouse. Cytogenet Cell Genet 12:60-7, 1973
ANIMAL EXPERIMENTS/ CHROMOSOMES/ EPIDIDYMIS, cytology/ FEMALE/ KARYOTYPING/ MALE/ *MEIOSIS/ MICE/ MICE, INBRED STRAINS/ MITOSIS/ RADIATION EFFECTS/ *SEX CHROMOSOMES/ SPERMATOZOA/ *STERILITY, MALE, familial & genetic/ TESTIS, cytology/ TESTIS, radiation effects

265. **Beham ES, Taft LI:** Idiopathic thrombocytopenic purpura in children: results of steroid therapy and splenectomy. Aust Paediatr J 8:311-7, Dec 72
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ *PREDNISOLONE, therapeutic use/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOPENIC, pathology/ *PURPURA, THROMBOPENIC, therapy/ RETROSPECTIVE STUDIES/ SPLEEN, pathology/ *SPLENECTOMY

266. **Bek V, Heřmanská Z, Kolář J, et al:** Reaction of the skeleton and bone marrow to malignant tumours of the testis. Comparison and evaluation of results of strontium (85 Sr) test and cytological findings from sternal punctates in 44 patients.
Neoplasma 20:209-15, 1973
*BONE AND BONES, pathology/ *BONE MARROW, pathology/ DISGERMINOMA, pathology/ HUMAN/ LEYDIG CELL TUMOR pathology/ LYMPHOID TISSUE, pathology/ MALE/ NEOPLASM METASTASIS/ OSTEOBLASTS/ OSTEOCLASTS/ PUNCTURE *STERNUM, pathology/ STRONTIUM ISOTOPES, metabolism/ TERATOID TUMOR pathology/ *TESTICULAR NEOPLASMS, pathology

267. **Belchetz PE, Lloyd MH, Johns RG, et al:** Effect of night calcium supplements on overnight urin calcium excretion in premenopausal and postmenopausal women. Br Med J 2:510-2, 2 Jun
ADOLESCENCE/ ADULT/ AGE FACTORS/ CALCIUM, administration & dosage/ CALCIUM, therapeutic use/ *CALCIUM, uri *CALCIUM, DIETARY/ CREATININE, urine FEMALE/ HUMAN/ *MENOPAUSE/ MIDDL AGE/ OSTEOPOROSIS, drug therapy/ TIME FACTORS

268. **Belen'kiĭ MA, Chetverukhin VK:** Ul'trastrukt kapilliarov naruzhnoĭ zony sredinnogo vozvyshe liagushki Rana temporaria v protsesse metamorf
Dokl Akad Nauk SSSR 209:1232-4, 11 Apr 73 (
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ *CAPILLARIES, cytology/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ FROGS/ GOLGI APPARATUS/ *HYPOTHALAMUS, blood supply/ LARVA, anatomy & histology/ LARVA, growth & development/ *METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ *PITUITARY GLAND, POSTERIOR, blood supply/ *RANA TEMPORARIA

269. **Belfort M, Wulff DL:** Genetic and biochem investigation of the Escherichia coli mutant which is lysogenized at high frequency by bacteriophage lambda. J Bacteriol 115:299-306, J
ADENOSINE CYCLIC 3',5' MONOPHOSPHA metabolism/ CHROMOSOME MAPPING/ COLICINS, pharmacodynamics/ *COLIPHAG growth & development/ CONJUGATION, GENETIC/ *DNA VIRUSES, growth & development/ DRUG RESISTANCE, MICROBIAL/ EDTA, pharmacodynamics/ ENZYME INDUCTION/ *ESCHERICHIA CO ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & developm ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ GALACTOSIDASE, metabolism/ *LYSOGEN *MUTATION/ PENICILLIN, pharmacodyna PENICILLIN RESISTANCE/ RECOMBINAT GENETIC/ RIFAMYCINS, pharmacodynami RNA POLYMERASE, metabolism/ SODIUM DODECYL SULFATE, pharmacodynamics/ TRANSDUCTION, GENETIC

270. **Bell C, Lang WJ, Tsilemanis C:** Non-cholin vasodilatation in the canine hind limb evok hypothalamic stimulation.
Brain Res 56:392-5, 29 Jun 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE/ DOGS/ ELECTRIC STIMULATION/ HEAR RATE/ *HINDLIMB, blood supply/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MEPRYLCAINE, pharmacodynamics/ RECEPTORS, ADRENERGIC/ RECEPTORS CHOLINERGIC/ REGIONAL BLOOD FLO *VASOMOTOR SYSTEM, physiology

271. **Bell JB:** In vitro testosterone production endogenous precursors by the seminiferous t and interstitium of the human testis.
Steroids Lipids Res 3:315-20, 1972
AGED/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ HUMAN/ IN VITRO/ MALE/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TIME FACTORS/ TRITIUM

72. **Bell RW**: The treatment of hyperthyroidism with radioactive iodine.
J Tenn Med Assoc 66:445-6 passim, May 73
DOSE-RESPONSE RELATIONSHIP, RADIATION/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, therapeutic use/ METHODS

73. **Bellabarba D, Bénard B, Langlois M**: Pattern of serum thyroxine, triiodothyronine and thyrotrophin after treatment of thyrotoxicosis.
Clin Endocrinol (Oxf) 1:345-53, Oct 72
HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ IODINE ISOTOPES, administration & dosage/ METHIMAZOLE, therapeutic use/ PROPYLTHIOURACIL, therapeutic use/ RADIOIMMUNOASSAY/ THYROIDECTOMY/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

74. **Bellmann O, Lang N**: Humanes plazentares Laktogen (HPL) im Serum bei Schwangerschaften mit Diabetes mellitus, Rh-Inkompatibilität, schwerer Gestose und Gemini.
Z Geburtshilfe Perinatol 177:110-8, Apr 73 (Ger)
BLOOD GROUP INCOMPATIBILITY, blood/ ECLAMPSIA, blood/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, blood/ FEMALE/ *FETAL DISEASES, blood/ FETUS, growth & development/ HUMAN/ PLACENTA DISORDERS, diagnosis/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY TOXEMIAS, blood/ RADIOIMMUNOASSAY/ RH FACTORS/ TWINS

75. **Bellmann O, Lang N**: Humanes plazentares Laktogen (HPL) im Serum und seine diagnostische Bedeutung bei intrauteriner Wachstumsretardierung.
Z Geburtshilfe Perinatol 177:97-109, Apr 73 (Ger)
BIRTH WEIGHT/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, blood/ FETUS, growth & development/ GERMANY, WEST/ GESTATIONAL AGE/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ RADIOIMMUNOASSAY/ RETROSPECTIVE STUDIES

76. **Bellocq AM, Boilot JC, Dupart E, et al**: Analyse conformationnelle de l'hormone hypothalamique TRF par spectroscopie Raman.
C R Acad Sci [D] (Paris) 276:423-6, 15 Jan 73 (Fre)
AMIDES/ DEUTERIUM/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ SOLVENTS/ SPECTRUM ANALYSIS/ *THYROTROPIN RELEASING FACTOR, analysis

77. **Bender AE**: Priorities in endemic goitre.
Lancet 2:162-3, 21 Jul 73
GOITER, ENDEMIC, drug therapy/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, therapeutic use/ NEPAL

78. **Benecke BJ, Ferencz A, Seifart KH**: Resistance of hepatic RNA polymerases to compounds effecting RNA and protein synthesis in vivo.
FEBS Lett 31:53-8, 1 Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYCLOHEXIMIDE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ *LIVER, enzymology/ MALE/ *PROTEINS, biosynthesis/ RATS/ *RNA, biosynthesis/ *RNA POLYMERASE, antagonists & inhibitors/ TIME FACTORS/ TRITIUM/ TYROSINE, metabolism/ URACIL NUCLEOTIDES, metabolism

79. **Benedict AA, Roholt OA, Yamaga K, et al**: Peptides from the site of chicken anti-DNP antibodies.
Immunol Commun 1:279-87, 1972
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BINDING SITES, ANTIBODY, analysis/ CHICKENS, immunology/ DIALYSIS/ *DINITROPHENOLS/ IODINE/ IODINE ISOTOPES/ *PEPTIDES, isolation & purification

80. **Benetato G, Bordeianu A**: L'étude de la vascularisation hypothalamique chez les rats âgés.
Rev Roum Physiol 10:97-104, 1973 (Fre)
AGING/ ANIMAL EXPERIMENTS/ CAPILLARIES, anatomy & histology/ CEREBROVASCULAR CIRCULATION/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, blood supply/ HYPOTHALAMUS, metabolism/ LEUKOCYTES, metabolism/ MAMMILLARY BODIES, blood supply/ NEUROHUMORS, physiology/ PHAGOCYTOSIS/ RATS/ SEROTONIN, metabolism

81. **Benini A**: Pseudotumor cerebri. Gutartige intrakranielle Drucksteigerung.
Schweiz Med Wochenschr 103:921-6 contd, 30 Jun 73 (Ger)
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, complications/ ADULT/ ANEMIA, PERNICIOUS, complications/ CONTRACEPTIVES, ORAL, adverse effects/ DYSMENORRHEA, complications/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, etiology/ HUMAN/ *INTRACRANIAL PRESSURE/ MENARCHE/ OBESITY, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PSEUDOTUMOR CEREBRI, complications/ *PSEUDOTUMOR CEREBRI, diagnosis/ PSEUDOTUMOR CEREBRI, etiology/ VENTRICULOGRAPHY

82. **Benirschke K, Kim CK**: Multiple pregnancy. 2.
N Engl J Med 288:1329-36, 21 Jun 73 (115 ref.)
*ABNORMALITIES, familial & genetic/ ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ *DISEASES IN TWINS/ DISEASES IN TWINS, etiology/ DISEASES IN TWINS, familial & genetic/ ENVIRONMENT/ FEMALE/ HEART DEFECTS, CONGENITAL, familial & genetic/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MENTAL RETARDATION, familial & genetic/ MONGOLISM, familial & genetic/ MOSAICISM/ OVUM/ PREGNANCY/ *PREGNANCY, MULTIPLE/ PSYCHOLOGICAL TESTS/ REVIEW/ TRIPLETS/ TURNER'S SYNDROME, familial & genetic/ TWINS/ TWINS, CONJOINED

83. **Benitez HH, Murray MR, Côté LJ**: Responses of sympathetic chain-ganglia isolated in organo-typic culture to agents affecting adrenergic neurons: fluorescence histochemistry.
Exp Neurol 39:424-8, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICK EMBRYO/ COLCHICINE, pharmacodynamics/ DOPA DECARBOXYLASE, antagonists & inhibitors/ DOPAMINE, biosynthesis/ FEEDBACK/ FLUORESCENCE/ *GANGLIA, AUTONOMIC, drug effects/ GANGLIA, AUTONOMIC, metabolism/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ MICROSCOPY, FLUORESCENCE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *NEURONS, drug effects/ NEUROSECRETORY SYSTEMS, drug effects/ *NOREPINEPHRINE, biosynthesis/ ORGAN CULTURE/ PARGYLINE, pharmacodynamics/ PTERIDINES, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ RESERPINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism

84. **Benjamin F, Kolodny HD**: Use of L-dopa (L-dihydroxyphenylalanine) to stimulate ovulation.
Am J Obstet Gynecol 116:1013-6, 1 Aug 73
ADULT/ BODY TEMPERATURE/ BODY TEMPERATURE, drug effects/ CERVIX

LIBRARY U. OF I., URBANA-CHAMPAIGN

MUCUS, analysis/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ DOPA, therapeutic use/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, secretion/ GONADOTROPINS, urine/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HORMONES, analysis/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MENSTRUATION DISORDERS, drug therapy/ MICE/ *OVULATION, drug effects/ STIMULATION, CHEMICAL/ VAGINA, cytology

285. **Bennett E:** Abnormality of separate subunits of factor VIII? Lancet 1:885-6, 21 Apr 73
ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ *FACTOR VIII/ *HEMOPHILIA, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOGENETICS/ RABBITS, immunology/ SEX CHROMOSOMES/ *VON WILLEBRAND'S DISEASE, immunology

286. **Bennett JL, Bueding E:** Uptake of 5-hydroxytryptamine by Schistosoma mansoni.
Mol Pharmacol 9:311-9, May 73
ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ BIOGENIC AMINES, metabolism/ CARBON ISOTOPES/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DOPAMINE, metabolism/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ HORSES/ IN VITRO/ IPRONIAZID, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ NERVE ENDINGS, metabolism/ NOREPINEPHRINE, metabolism/ SCHISTOSOMA, metabolism/ SCHISTOSOMA MANSONI, drug effects/ *SCHISTOSOMA MANSONI, metabolism/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ TEMPERATURE/ TIME FACTORS/ TRYPTOPHAN, metabolism

287. **Bentley PJ:** The toad's (Bufo marinus) lens and urinary bladder as mural membranes: a comparison.
Exp Eye Res 15:723-9, 24 May 73
ACETAZOLAMIDE, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *BLADDER, physiology/ *BUFO MARINUS, physiology/ CELL MEMBRANE PERMEABILITY/ DINITROPHENOLS, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ IODOACETATES, pharmacodynamics/ *LENS, CRYSTALLINE, physiology/ MEMBRANE POTENTIALS, drug effects/ MEMBRANES, physiology/ OUABAIN, pharmacodynamics/ OXYGEN CONSUMPTION/ POTASSIUM, physiology/ VASOPRESSIN, pharmacodynamics/ WATER-ELECTROLYTE BALANCE

288. **Bentley PJ:** Comparative endocrinology and osmoregulation: introductory remarks.
Fed Proc 31:1583-6, Nov-Dec 72
AMPHIBIA/ ANIMAL EXPERIMENTS/ BIRDS/ BLADDER, physiology/ DIFFUSION/ ENDOCRINE GLANDS, physiology/ FISHES/ FROGS/ GILLS, physiology/ KIDNEY, physiology/ LIZARDS/ MAMMALS/ OSMOLAR CONCENTRATION/ OSMOSIS/ PHYSIOLOGY, COMPARATIVE/ RANA/ REPTILES/ SEAWATER/ SKIN, physiology/ SNAKES/ *WATER-ELECTROLYTE BALANCE

289. **Berardi G, Fornaci M, Petrollini R, et al:** Considerazioni clinico terapeutiche su due casi di spesi meningococcica iperacuta.
Minerva Pediatr 25:701-4, 28 Apr 73 (Ita)
ACUTE DISEASE/ ANTIBIOTICS, therapeutic use/ BLOOD TRANSFUSION/ CHILD, PRESCHOOL/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ MALE/ *MENINGOCOCCAL INFECTIONS/ MENINGOCOCCAL INFECTIONS, diagnosis/ MENINGOCOCCAL INFECTIONS, drug therapy/ METHYLPREDNISOLONE, therapeutic use/ *SEPTICEMIA/ SULFONAMIDES, therapeutic use

290. **Bercetche M, Kravetz D, Cantor D:** Seudobstru intestinal crónica idiopática.
Acta Gastroenterol Latinoam 4:161-5, Oct-D
ADULT/ CASE REPORT/ CHRONIC DISE ENGLISH ABSTRACT/ HUMAN/ INTESTI MUCOSA, pathology/ *INTESTINAL OBSTRUCTION/ INTESTINAL OBSTRUCT diagnosis/ INTESTINAL OBSTRUCTION, therapy/ INTESTINAL OBSTRUCTION, etiology/ INTESTINAL OBSTRUCTION, pathology/ INTESTINE, SMALL, patholog MALE/ MICROSCOPY, ELECTRON/ PREDNISONE, therapeutic use

291. **Berchtold JP:** Effets de modifications de la compo électrolytique du plasma sur la structure fonction des cellules interrénales (corticosurrénaliennes) d'un Amphibien Ur Triturus cristatus.
Z Zellforsch Mikrosk Anat 139:47-59, 11 May 73
*ADRENAL GLANDS, cytology/ ADRENA GLANDS, physiology/ ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANU *ELECTROLYTES, blood/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ GOLGI APPARATUS/ HYDROXYSTEROID DEHYDROGENASE/ HYPOPHYSECTOMY/ LIPIDS/ LYSOSOM MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ POTASSI CHLORIDE/ *TRITURUS

292. **Berczi I, Strausbauch P, Sehon AH:** Rejection of cells in vitro. Science 180:1289-91, 22 Ju
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ *ANTIGENS, NEOPLA CELL LINE/ CELLS, CULTURED/ CULT MEDIA/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *GRAFT REJECTION/ GUINEA PIGS/ KIDNEY, immunology/ *LYMPHOCYTES, immunology/ METHYLCHOLANTHRENE/ MICE/ MICE INBRED C57BL/ *NEOPLASM TRANSPLANTATION/ SARCOMA, chemi induced/ *SARCOMA, EXPERIMENTAL, immunology/ TESTIS, immunology

293. **Berg PA, Traunecker U, Märker A:** Mitocho Antikörper bei nicht hepatischen Krankh Häufigkeit, Signifikanz und differential-diagnostische Bedeutung.
Dtsch Med Wochenschr 98:1186-8, 8 Jun 73
AGED/ ANTINUCLEAR FACTORS/ ARTHRITIS, RHEUMATOID, immunology *AUTOANTIBODIES, analysis/ AUTOIM DISEASES/ BLOOD PROTEIN DISORDE immunology/ BREAST NEOPLASMS, immunology/ COLLAGEN DISEASES, immunology/ FEMALE/ GAMMA GLOBU HEPATITIS, immunology/ HUMAN/ LU ERYTHEMATOSUS, SYSTEMIC, immuno MALE/ MIDDLE AGE/ *MITOCHONDRI immunology/ THYROID DISEASES, immunology

294. **Bergendorff A, Uvnäs B:** Storage properties of cell granules in vitro.
Acta Physiol Scand 87:213-22, Feb 73
ACETYLCHOLINE, metabolism/ *AMINE metabolism/ ANIMAL EXPERIMENTS/ *BASOPHILS, metabolism/ BINDING SI *CALCIUM, metabolism/ *CYTOPLASMI GRANULES, metabolism/ IN VITRO/ I EXCHANGE/ MALE/ *MAST CELLS, metabolism/ RATS/ *SODIUM, metaboli TYRAMINE, metabolism

295. **Berger H:** Discussion of paper by Frances M.D.: systemic reactions to tropically applie
Bull NY Acad Med 49:628-33, Jul 73
DERMATITIS, CONTACT, drug therapy FEMALE/ *GLUCOCORTICOIDS, TOPIC adverse effects/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ M AGE/ OINTMENTS, adverse effects/

*POTASSIUM DEFICIENCY, chemically induced

8. **Bergink EW, Kloosterboer HJ, Gruber M, et al:** Estrogen-induced phosphoprotein synthesis in roosters. Kinetics of induction.
Biochim Biophys Acta 294:497-506, 4 Feb 73
ANIMAL EXPERIMENTS/ CHICKENS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ HALF-LIFE/ KINETICS/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MATHEMATICS/ PHOSPHOPROTEINS, biosynthesis/ *PHOSPHOPROTEINS, blood/ PHOSPHOPROTEINS, isolation & purification/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ TIME FACTORS/ TRITIUM

7. **Bergmann F, Clercx L, Deschreyer M, et al:** Affections non cancéreuses de la thyroïde. Analyse des résultats immédiats et éloignés de 938 thyroïdectomies.
Minerva Urol 28:855-61, 1973 (Fre)
ADOLESCENCE/ FEMALE/ GOITER, surgery/ HEMORRHAGE, etiology/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPOPARATHYROIDISM, etiology/ HYPOTHYROIDISM, etiology/ IODINE, administration & dosage/ IODINE, therapeutic use/ METHYLTHIOURACIL, therapeutic use/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ POTASSIUM IODIDE, administration & dosage/ POTASSIUM IODIDE, therapeutic use/ PREOPERATIVE CARE/ PROPYLTHIOURACIL, administration & dosage/ *THYROID DISEASES, surgery/ *THYROIDECTOMY/ THYROIDITIS, surgery/ TIME FACTORS/ VOCAL CORD PARALYSIS, etiology

8. **Bergström S, Farnebo LO, Fuxe K:** Effect of prostaglandin E 2 on central and peripheral catecholamine neurons.
Eur J Pharmacol 21:362-8, Mar 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEMALE/ FLUOROSCOPY/ IN VITRO/ KINETICS/ MALE/ METHYLTYROSINES, pharmacodynamics/ NERVE ENDINGS, drug effects/ NERVE ENDINGS, metabolism/ *NEURONS, drug effects/ NEURONS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ TRITIUM/ TYROSINE HYDROXYLASE, antagonists & inhibitors

9. **Berio A, Di Stefano A, Camozzi C:** La dimostrazione delle amine urinaire mediante cromatografia bidimensionale. Risultati personali nel bambino presentante condizioni fisiopatologiche diverse.
Minerva Pediatr 25:497-505, 31 Mar 73 (Ita)
*AMINES, urine/ CHROMATOGRAPHY, GAS/ CYSTIC FIBROSIS, urine/ DOPAMINE, urine/ ENGLISH ABSTRACT/ EPILEPSY, urine/ FEMALE/ FRIEDREICH'S ATAXIA, urine/ HEPATOLENTICULAR DEGENERATION, urine/ HUMAN/ LIVER NEOPLASMS, urine/ MALE/ MENTAL RETARDATION, urine/ PHENETHYLAMINES, urine/ PHENYLKETONURIA, urine/ SEROTONIN, urine/ TRYPTAMINES, urine

0. **Berkowitz D:** Management of the hyperlipidemic patient. Med Clin North Am 57:881-92, Jul 73 (81 ref.)
ANTICHOLESTEREMIC AGENTS, therapeutic use/ ARTERIOSCLEROSIS, etiology/ CHOLESTEROL, blood/ CHOLESTYRAMINE, therapeutic use/ CLOFIBRATE, therapeutic use/ DEXTROTHYROXINE, therapeutic use/ DIET THERAPY/ ESTROGENS, therapeutic use/ HUMAN/ HYPERCHOLESTEREMIA, drug therapy/ HYPERLIPEMIA, diagnosis/ HYPERLIPEMIA, drug therapy/ *HYPERLIPEMIA, therapy/ LIPID METABOLISM, INBORN ERRORS, diagnosis/ *LIPIDS, blood/ METABOLISM, INBORN ERRORS, diagnosis/ NICOTINIC ACID, therapeutic use/ REVIEW/ TRIGLYCERIDES, blood

301. **Berl S, Puszkin S, Nicklas WJ:** Actomyosin-like protein in brain. Science 179:441-6, 2 Feb 73
ACTIN/ *ACTOMYOSIN, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CALCIUM, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHICKENS/ CYTOCHALASIN B, pharmacodynamics/ EXOCYTOSIS/ MAGNESIUM, metabolism/ MYOSIN/ NERVE TISSUE PROTEINS, antagonists & inhibitors/ NERVE TISSUE PROTEINS, isolation & purification/ *NERVE TISSUE PROTEINS, metabolism/ NERVE TISSUE PROTEINS, physiology/ *NEURAL TRANSMISSION/ RATS/ SYNAPTIC VESICLES, analysis/ SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, analysis

302. **Berlyne GM, Ben-Arie J, Epstein N, et al:** Rarity of renal osteodystrophy in Israel due to low phosphorus intake. A natural experiment. Nephron 10:141-56, 1973
ADOLESCENCE/ ADULT/ BLOOD UREA NITROGEN/ CALCIUM, blood/ CALCIUM, DIETARY/ CANADA/ CREATININE, blood/ CREATININE, urine/ *DIET/ DIETARY PROTEINS/ GREAT BRITAIN/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, occurrence/ ISRAEL/ MIDDLE AGE/ OSTEOMALACIA, etiology/ OSTEOMALACIA, occurrence/ *PHOSPHORUS/ PHOSPHORUS, blood/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, occurrence/ RICKETS, etiology/ RICKETS, occurrence/ UNITED STATES

303. **Berman LD:** The SV40 S antigen; a carcinoembryonic-type antigen of the hamster?
Int J Cancer 10:326-30, 15 Sep 72
ANIMALS, NEWBORN/ ANTIGENS, BACTERIAL/ *ANTIGENS, NEOPLASM/ CARCINOEMBRYONIC ANTIGEN/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ DNA VIRUSES, immunology/ EMBRYO/ FETUS/ FLUORESCENT ANTIBODY TECHNIC/ GLYCOPROTEINS/ HAMSTERS, immunology/ IMMUNE SERUMS/ KIDNEY/ LIVER/ MICE/ MICE, INBRED BALB C/ RNA VIRUSES, immunology/ SPLEEN/ *SV40 VIRUS, immunology/ THYROID GLAND

304. **Bernardis LL:** Disruption of diurnal feeding and weight gain cycles in weanling rats by ventromedial and dorsomedial hypothalamic lesions.
Physiol Behav 10:855-61, May 73
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ *CIRCADIAN RHYTHM/ DARKNESS/ *EATING/ *HYPOTHALAMUS, physiology/ LIGHT/ MALE/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, physiology/ OBESITY/ RATS

305. **Bernatz PE, Khonsari S, Harrison EG Jr, et al:** Thymoma: factors influencing prognosis.
Surg Clin North Am 53:885-92, Aug 73
ADULT/ AGE FACTORS/ EPITHELIAL CELLS/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, mortality/ NEOPLASM METASTASIS/ PROGNOSIS/ THYMOMA, complications/ THYMOMA, mortality/ *THYMOMA, pathology/ THYMOMA, surgery/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, mortality/ *THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, surgery/ TIME FACTORS

LIBRARY U. OF I., URBANA-CHAMPAIGN

306. **Berndorfer A:** Hypertrophie der Mammae als postnatal entstandene Missbildung.
Zentralbl Chir 97:1799-800, 16 Dec 72 (Ger)
ABNORMALITIES, etiology/ ABNORMALITIES, surgery/ ADOLESCENCE/ *BREAST, abnormalities/ BREAST DISEASES, etiology/ BREAST DISEASES, surgery/ ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ HYPERTROPHY/ MASTECTOMY/ PUBERTY/ SEX HORMONES

307. **Bernheim R:** Throïde et grossesse.
Nouv Presse Med 2:1297-300, 12 May 73 (Fre)
ADULT/ ESTROGENS, physiology/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ INFANT, NEWBORN/ LONG-ACTING THYROID STIMULATOR, secretion/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ *PREGNANCY COMPLICATIONS/ *THYROID DISEASES/ *THYROID GLAND/ THYROID GLAND, embryology/ THYROTROPIN, secretion/ THYROXINE, blood/ THYROXINE, secretion/ THYROXINE-BINDING PROTEIN, secretion

308. **Bernier G:** Traitement moderne de la coagulation intravasculaire disséminée.
Union Med Can 102:1049-54, May 73 (Fre)
CORTISONE, therapeutic use/ *DISSEMINATED INTRAVASCULAR COAGULATION, drug therapy/ ENGLISH ABSTRACT/ HEPARIN, therapeutic use/ HUMAN/ ISOPROTERENOL, therapeutic use

309. **Berridge MJ, Prince WT:** Mode of action of hallucinogenic molecules.
Nature [New Biol] 243:283-4, 27 Jun 73
ANIMAL EXPERIMENTS/ DIPTERA/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ *RECEPTORS, HORMONE, drug effects/ SALIVARY GLANDS, drug effects/ SALIVARY GLANDS, secretion/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics

310. **(Berson SA), Schwartz IL:** Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation.
Mt Sinai J Med NY 40:284-94, May-Jun 73
ANTIGEN-ANTIBODY REACTIONS/ AUSTRALIA ANTIGEN/ BIBLIOGRAPHY/ BLOOD VOLUME DETERMINATION/ CORTICOTROPIN/ CURRENT BIOG-OBIT/ FEMALE/ GASTRIN/ HUMAN/ INSULIN ANTIBODIES/ IODINE ISOTOPES, DIAGNOSTIC, history/ ISOTOPE LABELING, history/ MALE/ PARATHYROID HORMONE/ RADIOIMMUNOASSAY, history/ RESEARCH/ SOMATOTROPIN/ THYROID GLAND FUNCTION TESTS, history/ UNITED STATES VETERANS ADMINISTRATION

311. **Bertelli A, Bianchi C, Beani L:** Effect of inosine on guinea-pig bronchial muscle.
J Pharm Pharmacol 25:60-4, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BRONCHI, drug effects/ BRONCHIAL SPASM, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ GUINEA PIGS/ HISTAMINE/ IN VITRO/ INOSINE, administration & dosage/ *INOSINE, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ *MUSCLE, SMOOTH, drug effects/ PROPRANOLOL, pharmacodynamics/ THEOPHYLLINE, administration & dosage/ THEOPHYLLINE, pharmacodynamics

312. **Bertelli A, Bianchi C, Beani L:** Interaction between -adrenergic stimulant and phosphodiesterase inhibiting drugs on the bronchial muscle.
Experientia 29:300-2, 15 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRONCHI, drug effects/ BRONCHIAL SPASM, chemically induced/ BUTYLAMINE pharmacodynamics/ DRUG SYNERGISM/ *ETHANOLAMINES, pharmacodynamics/ GUINEA PIGS/ HISTAMINE/ *PHENETHYLAMINES, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ *THEOPHYLLINE, pharmacodynamics

313. **Berthelay S, Vincent JM, Petit A, et al:** Elimin urinaire de l'hormone lutéinisante (LH) au cou cycle oestral chez la ratte.
C R Soc Biol (Paris) 166:319-22, 9 Nov 72
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ IMMUNOASSAY/ *LH, urine/ R

314. **Berthelay S, Vincent JM, Pageaut G, et al:** Influ d'un principe antigonadotrope sur la nidation ch lapine. J Physiol (Paris) 65:Suppl 3:351A, 1972
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, antagonists & inhibito *NIDATION, drug effects/ OVULATION, d effects/ RABBITS

315. **Berthelot A, Dale A, Boucher D, et al:** Variatio l'activité thyroïdienne en fonction de l'éclaire chez le lapin.
J Physiol (Paris) 65:Suppl 3:352A, 1972
ANIMAL EXPERIMENTS/ AUTOANALYSI DARKNESS/ FEMALE/ *LIGHT/ MALE/ RABBITS/ *THYROID GLAND, physiology THYROID HORMONES, blood/ THYROTROPIN, blood/ THYROXINE, bloo TRIIODOTHYRONINE, blood

316. **Bessière E, Le Rebeller MJ, Vallat M:** Sur un c kyste hydatique de l'orbite.
Bull Soc Ophtalmol Fr 72:759-62, Jul-Aug 72
ADOLESCENCE/ *ECHINOCOCCOSIS/ ECHINOCOCCOSIS, complications/ ECHINOCOCCOSIS, diagnosis/ *EXOPHTHALMOS, etiology/ HUMAN/ MA *ORBIT

317. **Bethea MC, Baltz HJ, Rogers RE, et al:** Pheochromocytoma and renal artery steno review of the literature and case report.
South Med J 66:497-500, Apr 73
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLA NEOPLASMS, radiography/ ADRENAL GL NEOPLASMS, surgery/ ADRENAL GLAN NEOPLASMS, urine/ AORTOGRAPHY/ CATECHOLAMINES, urine/ HUMAN/ HYPERTENSION, RENAL, etiology/ MAL MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, sur PHEOCHROMOCYTOMA, urine/ *RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, radiogr RENAL ARTERY OBSTRUCTION, surgery VANILMANDELIC ACID, urine

318. **Betz G, Michels D:** Steroid 17,20-lyase: the eff detergents on enzymic activity and micro composition. Steroids 21:785-800, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CYTOCHROME C/ CYTOCHROM REDUCTASES, metabolism/ DEOXYCHOL ACID, pharmacodynamics/ FLAVINS, metabolism/ HYDROXYPROGESTERONE/ *LYASES, metabolism/ MALE/ MICROSO drug effects/ *MICROSOMES, enzymology MICROSOMES, metabolism/ NADH, NADP OXIDOREDUCTASES, metabolism/ RATS/ SPECTROPHOTOMETRY/ *SURFACE-ACT AGENTS, pharmacodynamics/ TESTIS, cytology/ TESTIS, enzymology/ TIME FACTORS/ TRITIUM

319. **Beurey J, Weber M:** Conduite à tenir devan maladie bulleuse. Sem Hop Paris 49:43-5, Jan 73
*DERMATITIS HERPETIFORMIS, drug therapy/ *GLUCOCORTICOIDS,

therapeutic use/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *PEMPHIGUS, drug therapy/ *SULFONAMIDES, therapeutic use

Bevan JA, Garstka W, Su C, et al: The bimodal basis of the contractile response of the rabbit ear artery to norepinephrine and other agonists.
Eur J Pharmacol 22:47-53, Apr 73
ANIMAL EXPERIMENTS/ *ARTERIES, drug effects/ CALCIUM, antagonists & inhibitors/ CALCIUM, pharmacodynamics/ EAR, EXTERNAL, blood supply/ ELECTROPHYSIOLOGY/ FEMALE/ HISTAMINE, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ PORTAL VEIN, drug effects/ POTASSIUM, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ TIME FACTORS

Beyra M: Influence chez la rat du comportement d'autostimulation sur la réaction d'échappement: étude factorielle.
J Physiol (Paris) 65:Suppl 3:353A, 1972 (Fre)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *ESCAPE REACTION/ *HYPOTHALAMUS, physiology/ RATS/ *SELF STIMULATION

Beyra M, Spinewine P: Inhibition and facilitation of self-stimulation behavior by aversive stimulation.
Physiol Behav 10:563-6, Mar 73
ANIMAL EXPERIMENTS/ AROUSAL/ *CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROSHOCK/ FOOT/ *HYPOTHALAMUS, physiology/ MALE/ PHOTIC STIMULATION/ *PUNISHMENT/ RATS/ *REWARD/ *SELF STIMULATION

Bezukhov IM, Kapitonov AG: Pnevmaticheskie apparaty dlia obrabotki kostei.
Med Tekh 3:59-60, May-Jun 73 (Rus)
*BONE AND BONES, surgery/ *OSTEOTOMY, instrumentation/ *SURGICAL INSTRUMENTS

Bhargava KP, Gupta MB, Tangri KK: Mechanism of ulcerogenic activity of indomethacin and oxyphenbutazone. Eur J Pharmacol 22:191-5, May 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CHORDOTOMY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDRAZINES, pharmacodynamics/ IMIPRAMINE, pharmacodynamics/ *INDOMETHACIN/ INDOMETHACIN, antagonists & inhibitors/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *OXYPHENBUTAZONE/ OXYPHENBUTAZONE, antagonists & inhibitors/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PREGNANCY/ PROPRANOLOL, pharmacodynamics/ RATS/ *STOMACH ULCER, chemically induced

Bhattacharya S, Das Gupta P, Mukherjee S: A comparative study of head and tail kidney peroxidase in a fish (Clarias batrachus).
Comp Biochem Physiol [B] 44:693-700, 15 Mar 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ AZIDES, pharmacodynamics/ CELL-FREE SYSTEM/ CYANIDES, pharmacodynamics/ FISHES/ GLUTATHIONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYDROGEN PEROXIDE, pharmacodynamics/ IODIDES/ KIDNEY, cytology/ *KIDNEY, enzymology/ KINETICS/ PEROXIDASES, antagonists & inhibitors/ *PEROXIDASES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS/ THIOURACIL, pharmacodynamics/ THIOUREA, pharmacodynamics

Bhide SV, Sirsat MV: Delayed effects of a single treatment of hydroxyurea to newborn mice.
Indian J Cancer 10:26-30, Mar 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CARCINOMA, BRONCHIOLAR, chemically induced/ CYSTOSARCOMA PHYLLODES, chemically induced/ FATTY LIVER, chemically induced/ FEMALE/ *HYDROXYUREA, toxicity/ LUNG NEOPLASMS, chemically induced/ MALE/ MAMMAE/ MICE/ OVARIAN CYSTS, chemically induced

327. Bianchi A, Repetto F, Giordana B, et al: Serosal and mucosal permeability coefficients for acetamide and thiourea in turtle (Testudo hermanni) jejunum.
Comp Biochem Physiol [A] 43:337-40, 1 Oct 72
*ACETAMIDES, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BODY FLUIDS/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY/ EXTRACELLULAR SPACE/ *INTESTINAL MUCOSA, metabolism/ INULIN/ *JEJUNUM, metabolism/ PERFUSION/ SEROUS MEMBRANE, metabolism/ *THIOUREA, metabolism/ TRITIUM/ TURTLES

328. Bianchini G: Possibilità e limiti della terapia del arcinoma tiroideo con radio-iodio.
Minerva Med 64:1359-74, 21 Apr 73 (Ita)
ADULT/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *IODINE ISOTOPES, therapeutic use/ NEOPLASM METASTASIS, radiotherapy/ RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY DOSAGE/ RADIOTHERAPY, HIGH ENERGY/ THIOURACIL, therapeutic use/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, pathology/ *THYROID NEOPLASMS, radiotherapy

329. Biancifiori C: Iperplasie tiroidee e tumori polmonari da metiltiouracile e-o isoniazide in topi CBA-Cb-Se.
Lav Ist Anat Istol Patol Perugia 33:27-39, 1973 (Ita)
ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ HYPERPLASIA, chemically induced/ HYPERPLASIA, etiology/ *ISONIAZID/ *LUNG NEOPLASMS, chemically induced/ LUNG NEOPLASMS, complications/ MALE/ *METHYLTHIOURACIL/ MICE/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ *NEOPLASMS, EXPERIMENTAL/ *THYROID DISEASES, chemically induced/ THYROID DISEASES, etiology

330. Bida SA, Adams EW: Heartwater in a Bunaji calf: a case report.
Vet Rec 92:200-1, 24 Feb 73
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BRAIN, pathology/ CATTLE/ *CATTLE DISEASES/ *HEARTWATER DISEASE/ HEMORRHAGE/ LIVER, pathology/ LUNG, pathology/ MALE/ MYOCARDIUM, pathology/ PULMONARY EDEMA, veterinary/ RICKETTSIA, isolation & purification/ SPLEEN, pathology/ TICKS

331. Bieler EU, Rooyen RJ van, Bruin EJ de, et al: A radioimmunoassay technique for human calcitonin (HC) in plasma avoiding the nonspecific interferences of plasma proteins on the tracer binding.
Horm Metab Res 5:231, May 73
BINDING SITES, ANTIBODY/ *BLOOD PROTEINS/ CALCIUM, blood/ GEL FILTRATION/ HUMAN/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ PITUITARY GLAND, physiology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ TIME FACTORS

332. Bierman SM: Autoimmune progesterone dermatitis of pregnancy.
Arch Dermatol 107:896-901, Jun 73
ACANTHOLYSIS, pathology/ ADULT/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, immunology/ *DERMATITIS, etiology/ DERMATITIS, immunology/ DERMATITIS, pathology/ ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ FEMALE/ FETAL DEATH/ FLUORESCENT

LIBRARY U. OF I., URBANA-CHAMPAIGN

ANTIBODY TECHNIC/ HUMAN/ HYPERSENSITIVITY, DELAYED, etiology/ IGA, analysis/ IGG, analysis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, etiology/ PREGNANCY COMPLICATIONS, immunology/ *PROGESTERONE/ SKIN, pathology/ SKIN TESTS

333. **Bietti GB:** Weitere Beiträge zur Deutung und Behandlung des Glaukoms.
Klin Monatsbl Augenheilkd 162:281-95, Mar 73 (Ger)
ACID-BASE EQUILIBRIUM/ ALKALIES, analysis/ ALKALOSIS, chemically induced/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, analysis/ *AQUEOUS HUMOR, drug effects/ ASCORBIC ACID, analysis/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ GLAUCOMA, chemically induced/ *GLAUCOMA, drug therapy/ GLAUCOMA, physiopathology/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTRAOCULAR PRESSURE, drug effects/ *METHYLPREDNISOLONE/ PHENYLEPHRINE, pharmacodynamics/ PILOCARPINE, therapeutic use/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ RABBITS

334. **Bigazzi M, DeGroot LJ:** Redistribution of iodoprotein, acid phosphatase, and acid protease in thyroid subcellular fractions during endocytosis.
Endocrinology 92:1761-7, Jun 73
*ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ENDOCYTOSIS/ IODINE ISOTOPES/ *IODOPROTEINS, metabolism/ LYSOSOMES, enzymology/ MALE/ *PEPTIDE HYDROLASES, metabolism/ PRECIPITATION/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *SUBCELLULAR FRACTIONS, metabolism/ SURFACE-ACTIVE AGENTS/ THYROID GLAND, cytology/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ TRICHLOROACETIC ACID

335. **Bilder GE, Hess ME:** Studies on the negative chronotropic response to vagal stimulation in hyperthyroid rats.
J Pharmacol Exp Ther 185:468-78, Jun 73
ACETYLTRANSFERASES, metabolism/ ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ BRETYLIUM COMPOUNDS, pharmacodynamics/ CALCIUM, blood/ CALCIUM, metabolism/ CHOLINE/ CHOLINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ *HEART RATE, drug effects/ HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, enzymology/ *HYPERTHYROIDISM, physiopathology/ IN VITRO/ MALE/ MYOCARDIUM, enzymology/ RATS/ STATISTICS/ THYROXINE/ TIME FACTORS/ *VAGUS NERVE, physiology/ *VAGUS NERVE, physiopathology

336. **Bilezikian JP, Heath DA, Doppman JL:** Selective thyroid venous catheterisation in the localisation of parathyroid adenoma. Lancet 1:1441-2, 23 Jun 73
ADENOMA, diagnosis/ *CATHETERIZATION/ HUMAN/ *PARATHYROID NEOPLASMS, diagnosis/ *THYROID GLAND, blood supply/ *VEINS, anatomy & histology

337. **Billardon C, Nguyen-Van-Cong, Picard JY, et al:** Linkage studies of enzyme markers in man-mouse somatic cell hybrids. Ann Hum Genet 36:273-84, Jan 73
BLOOD PROTEIN ELECTROPHORESIS/ CELL LINE/ CHROMOSOME ABERRATIONS/ CLONE CELLS, enzymology/ *ENZYMES/ FEMALE/ FIBROBLASTS, enzymology/ GENETICS, HUMAN/ GENOTYPE/ HETEROZYGOTE/ HUMAN/ HYBRIDIZATION/ LACTATE DEHYDROGENASE/ LEUKOCYTES, enzymology/ *LINKAGE (GENETICS)/ MALE/ MICE/ PEPTIDE HYDROLASES/ PHENOTYPE/ PHOSPHOGLUCOMUTASE/ PHOSPHOGLYCERATE KINASE/ SEX CHROMOSOMES

338. **Billé J, Ailliez J, Poyen B, et al:** "Et la crainte d'enfanter les rendit aveugle ou muette" ou sous forme de parabole: "accidents O.N.O. des contraceptifs o
Rev Otoneuroophtalmol 44:323-6, May-Jun 72
ADULT/ ARTERIAL OCCLUSIVE DISEAS complications/ CEREBRAL AQUEDUCT, b supply/ *CONTRACEPTIVES, ORAL, adve effects/ FEMALE/ *HEADACHE, chemica induced/ *HEMIPLEGIA, chemically induc HEMIPLEGIA, etiology/ HUMAN/ MIDDL AGE/ *THROMBOEMBOLISM, chemically induced

339. **Billewicz WZ:** Some implications of self-selecti pregnancy. Br J Prev Soc Med 27:49-52, I
*ABORTION, occurrence/ *CONTRACEPT CONTRACEPTIVES, ORAL/ FEMALE/ FERTILITY/ *FETAL DEATH, occurrenc FOLLOW-UP STUDIES/ HUMAN/ *INFA MORTALITY/ PARITY/ PREGNANCY/ RECURRENCE/ SCOTLAND

340. **Birch BM, Delcher HK, Rendall JL, et al:** Eviden endogenous cyclic AMP does not modulate sulfation factor action on embryonic chic cartilage.
Biochem Biophys Res Commun 52:1184-9, 19
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ *CARTILAGE, drug effe CHICK EMBRYO/ RATS/ *SOMATOMEDI pharmacodynamics/ SULFATES, metaboli SULFUR ISOTOPES

341. **Birch NJ, Hullin RP:** The distribution and bind lithium following its long-term administra
Life Sci [II] 11:1095-9, 22 Nov 72
ADMINISTRATION, ORAL/ ADULT/ AN EXPERIMENTS/ BONE AND BONES, an BRAIN CHEMISTRY/ FEMALE/ FEMUR, analysis/ HUMAN/ KIDNEY, analysis/ LITHIUM, administration & dosage/ LITHIUM, analysis/ LITHIUM, blood/ LI analysis/ MALE/ MUSCLES, analysis/ RA SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

342. **Bird AC, Hyman V:** Detection of heterozyg families with X-linked pigmentary retinopa measurement of retinal rhodopsin concent
Trans Ophthalmol Soc UK 92:221-9, 1972
ADAPTATION, OCULAR/ ADOLESCENC ADULT/ CHILD/ ELECTRORETINOGRA FEMALE/ FLUORESCENCE ANGIOGRA GENETIC COUNSELING/ HUMAN/ *RET analysis/ *RETINAL PIGMENTS, analysis *RETINITIS PIGMENTOSA, familial & g *SEX CHROMOSOME ABNORMALITIES, diagnosis/ VISUAL FIELDS

343. **Birkhead BM, Scott RM:** Spontaneous regres metastatic testicular cancer. Cancer 32:125-9,
ADULT/ CASE REPORT/ FOLLOW-UP STUDIES/ HUMAN/ *LUNG NEOPLASM LUNG NEOPLASMS, radiotherapy/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS/ *NEOPLASM REGRESSION, SPONTANEOUS/ *TERAT TUMOR/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS/ TESTICUL NEOPLASMS, surgery

344. **Bisset GW, Feldberg W:** Release of vasopressin oxytocin by nicotine injected into the c ventricles of anaesthetized cats.
J Physiol (Lond) 231:36P-37P, May 73
ANIMAL EXPERIMENTS/ BLOOD PRES drug effects/ CATS/ *CEREBRAL VENTRICLES, drug effects/ FEMALE/ HYPOTHALAMUS, secretion/ LACTATIO *NICOTINE, pharmacodynamics/ OXYTO blood/ STIMULATION, CHEMICAL/ SYNAPSES, drug effects/ *VASOPRESSI blood/ VASOPRESSIN, secretion

345. **Bitensky MW, Gorman RE:** Chemical media hormone action.
Annu Rev Med 23:263-84, 1972 (180 ref.
ADENOSINE CYCLIC 3',5' MONOPHOSP biosynthesis/ ADENYL CYCLASE, metab ADRENAL CORTEX HORMONES, pharmacodynamics/ AMINO ACID SEQU

CALCIUM, metabolism/ CELL MEMBRANE, enzymology/ CENTRAL NERVOUS SYSTEM, metabolism/ CORTICOTROPIN, metabolism/ EPINEPHRINE, metabolism/ *HORMONES, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION/ PHOSPHODIESTERASES, metabolism/ PHOSPHOTRANSFERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ PROTEINS, biosynthesis/ RECEPTORS, HORMONE/ REVIEW/ RIBOFLAVIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROID HORMONES, pharmacodynamics/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC

3. **Bitensky MW, Gorman RE:** Cellular responses to cyclic AMP. Prog Biophys Mol Biol 26:409-61, 1973 (359 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BLOOD PLATELETS, enzymology/ CALCIUM, blood/ CELL MEMBRANE/ CHEMOTAXIS/ GENETICS, MICROBIAL/ GLUCAGON/ INSULIN/ LEUKOCYTES/ LYSOGENY/ MUSCLES, enzymology/ NEURAL TRANSMISSION/ PHOSPHODIESTERASES/ PROSTAGLANDINS/ PROTEIN KINASE/ RECEPTORS, HORMONE/ RETINAL PIGMENTS/ REVIEW/ RODS AND CONES, enzymology/ SALIVARY GLANDS, enzymology/ SYNAPSES/ THYROTROPIN RELEASING FACTOR/ VASOPRESSIN/ WATER-ELECTROLYTE BALANCE

7. **Bivens CH, Lebovitz HE, Feldman JM:** Inhibition of hypoglycemia-induced growth hormone secretion by the serotonin antagonists cyproheptadine and methysergide. N Engl J Med 289:236-9, 2 Aug 73
ADULT/ BLOOD SUGAR, analysis/ *BLOOD SUGAR, physiology/ CYPROHEPTADINE, administration & dosage/ *CYPROHEPTADINE, pharmacodynamics/ FEMALE/ HUMAN/ HYPOGLYCEMIA, blood/ HYPOTHALAMUS, physiology/ INSULIN, pharmacodynamics/ MALE/ METHYSERGIDE, administration & dosage/ *METHYSERGIDE, pharmacodynamics/ RADIOIMMUNOASSAY/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, physiology/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

8. **Björkhem I, Danielsson H, Gustafsson J:** On the effect of thyroid hormone on 26-hydroxylation of C 27 -steroids in rat liver. FEBS Lett 31:20-2, 1 Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTANES, metabolism/ CHOLESTENES, metabolism/ CHOLESTEROL, metabolism/ *HYDROXYLASES, metabolism/ HYDROXYLATION/ IN VITRO/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, enzymology/ MITOCHONDRIA, LIVER, metabolism/ RATS/ THYROID GLAND, physiology/ *THYROID HORMONES, pharmacodynamics/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM

9. **Björklund A, Moore RY, Nobin A, et al:** The organization of tubero-hypophyseal and reticulo-infundibular catecholamine neuron systems in the rat brain. Brain Res 51:171-91, 15 Mar 73
ANIMAL EXPERIMENTS/ *BRAIN STEM, anatomy & histology/ *CATECHOLAMINES/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *HYPOTHALAMUS, anatomy & histology/ NEURAL INTERCONNECTIONS/ RATS/ SYMPATHECTOMY/ *SYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ *TELENCEPHALON, anatomy & histology/ *THALAMUS, anatomy & histology

10. **Björklund A, Nobin A:** Fluorescence histochemical and microspectrofluorometric mapping of dopamine and noradrenaline cell groups in the rat diencephalon. Brain Res 51:193-205, 15 Mar 73
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ DIENCEPHALON, analysis/ *DIENCEPHALON, cytology/ *DOPAMINE, analysis/ FEMALE/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, cytology/ MALE/ MICROSCOPY, FLUORESCENCE/ *NOREPINEPHRINE, analysis/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ *THALAMUS, cytology

351. **Bjursell G, Reichard P:** Effects of thymidine on deoxyribonucleoside triphosphate pools and deoxyribonucleic acid synthesis in Chinese hamster ovary cells. J Biol Chem 248:3904-9, 10 Jun 73
ADENINE NUCLEOTIDES, metabolism/ ALCOHOL OXIDOREDUCTASES, metabolism/ ALLOSTERIC REGULATION/ AUTORADIOGRAPHY/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ DEOXYCYTIDINE, metabolism/ *DEOXYRIBONUCLEOTIDES, metabolism/ *DNA, biosynthesis/ FEMALE/ GUANINE NUCLEOTIDES, metabolism/ HAMSTERS/ ISOLEUCINE/ KINETICS/ OVARY, cytology/ OVARY, drug effects/ OVARY, enzymology/ *OVARY, metabolism/ RIBONUCLEOTIDES/ THYMIDINE, metabolism/ *THYMIDINE, pharmacodynamics/ THYMINE NUCLEOTIDES, metabolism/ TRITIUM

352. **Black MM, Bottoms E, Shuster S:** Skin collagen and thickness in hyperthyroidism and myxoedema. Clin Endocrinol (Oxf) 1:253-8, Jul 72
ADULT/ AGED/ *COLLAGEN, analysis/ DENSITOMETRY/ FEMALE/ FOREARM/ HUMAN/ *HYPERTHYROIDISM, pathology/ MALE/ MIDDLE AGE/ *MYXEDEMA, pathology/ *SKIN, analysis/ SKIN, pathology

353. **Black MM, Shuster S, Bottoms E:** Skin collagen and thickness in acromegaly and hypopituitarism. Clin Endocrinol (Oxf) 1:259-63, Jul 72
*ACROMEGALY, pathology/ ADULT/ AGED/ *COLLAGEN, analysis/ FEMALE/ FOREARM/ HUMAN/ *HYPOPITUITARISM, pathology/ MALE/ MIDDLE AGE/ *SKIN, analysis/ SKIN, pathology

354. **Blackburn MG, Mancusi-Ungaro HR Jr, Orzalesi MM, et al:** Effects on the neonate of the induction of labor with prostaglandin F 2 and oxytocin. Am J Obstet Gynecol 116:847-53, 15 Jul 73
APGAR SCORE/ BIRTH WEIGHT/ BLOOD CHEMICAL ANALYSIS/ BLOOD PRESSURE/ BODY TEMPERATURE/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ ELECTROCARDIOGRAPHY/ EVALUATION STUDIES/ FEMALE/ HEART RATE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INFANT, NEWBORN/ *LABOR, INDUCED/ LUNG, radiography/ *OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, therapeutic use/ PULSE/ RESPIRATION/ TIME FACTORS/ UMBILICAL ARTERIES, physiology

355. **Blackwell RE, Guillemin R:** Hypothalamic control of adenohypophysial secretions. Annu Rev Physiol 35:357-90, 1973 (175 ref.)
ANIMAL EXPERIMENTS/ CATS/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, isolation & purification/ FEEDBACK/ *FSH, secretion/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMUS, physiology/ *LH, secretion/ MSH, secretion/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PROLACTIN, secretion/ RATS/ REVIEW/ SEX HORMONES, blood/ SOMATOTROPIN, secretion/ STRESS/ THYROTROPIN, physiology/ THYROTROPIN, secretion/

LIBRARY U. OF I., URBANA-CHAMPAIGN

THYROTROPIN RELEASING FACTOR, physiology/ THYROXINE, physiology

356. **Blagdon DE, Rivier J, Goodman M:** Proposed tertiary structure for the hypothalamic thyrotropin-releasing factor. Proc Natl Acad Sci USA 70:1166-8, Apr 73
MODELS, STRUCTURAL/ NUCLEAR MAGNETIC RESONANCE/ *PITUITARY HORMONE RELEASING FACTORS/ PROTEIN CONFORMATION/ *THYROTROPIN

357. **Blagorodov SG, Didenko TS:** Izmenenie aktivnosti shchelochnoi i kisloi fosfataz mozga pod deistviem adrenokortikotropnogo gormona i gidrokortizona pri eksperimental'nom perevivnom rake molochnoi zhelezy krys.
Ukr Biokhim Zh 45:166-9, Mar-Apr 73 (Rus)
*ACID PHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ BRAIN CHEMISTRY/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASM TRANSPLANTATION/ RATS/ SPINE/ TIME FACTORS

358. **Blake CA, Scaramuzzi RJ, Hilliard J, et al:** Circulating levels of pituitary gonadotrophins and ovarian steroids in rats after hypothalamic deafferentation.
Neuroendocrinology 12:86-97, 1973
ANIMAL EXPERIMENTS/ DENERVATION/ *ESTRADIOL, blood/ ESTRUS/ FEEDBACK/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ *HYPOTHALAMUS, physiology/ LH, blood/ MALE/ *PROGESTERONE, blood/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ SEX FACTORS

359. **Blake J, Fitzpatrick C:** Eye signs in neuroblastoma.
Trans Ophthalmol Soc UK 92:825-33, 1972
ADRENAL GLAND NEOPLASMS/ BLEPHAROPTOSIS, etiology/ CHILD/ CHILD, PRESCHOOL/ CONJUNCTIVITIS, etiology/ CONTUSIONS, etiology/ ECCHYMOSIS, etiology/ EYE DISEASES, etiology/ *EYE MANIFESTATIONS/ FEMALE/ HUMAN/ INFANT/ MALE/ NEOPLASM METASTASIS/ *NEUROBLASTOMA, complications/ STRABISMUS, etiology

360. **Blakely GA, Lourie B, Morton WG, et al:** A varicella-like disease in macaque monkeys.
J Infect Dis 127:617-25, Jun 73
ANIMAL EXPERIMENTS/ CELL LINE/ CHICKENPOX, immunology/ CHICKENPOX, microbiology/ CHICKENPOX, occurrence/ CHICKENPOX, pathology/ *CHICKENPOX, veterinary/ COMPLEMENT FIXATION TESTS/ CYTOPATHOGENIC EFFECT, VIRAL/ GEL DIFFUSION TESTS/ HERPESVIRUS, immunology/ HERPESVIRUS, isolation & purification/ HERPESVIRUS HOMINIS, immunology/ KIDNEY/ MACACA/ MICROSCOPY, ELECTRON/ *MONKEY DISEASES/ MONKEY DISEASES, immunology/ MONKEY DISEASES, microbiology/ MONKEY DISEASES, occurrence/ MONKEY DISEASES, pathology/ MONKEYS/ THYROID GLAND/ VARICELLA-ZOSTER VIRUS, immunology/ VARICELLA-ZOSTER VIRUS, isolation & purification/ WASHINGTON

361. **Blanc PM:** L'hormonothérapie génitale chez la femme en période d'activité génitale.
J Med Lyon 53:1651-3, 5 Dec 72 (Fre)
CONTRACEPTION/ DRUG COMBINATIONS/ *ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, drug therapy/ PROGESTATIONAL HORMONES, administration & dosage/ PROGESTERONE, administration & dosage/ TIME FACTORS

362. **Blaquier JA:** An in vitro action of androgens on pr synthesis by epididymal tubules maintained in culture.
Biochem Biophys Res Commun 52:1177-83, 19 J
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ EPIDIDYMIS, drug eff *EPIDIDYMIS, metabolism/ ESTRADIOL, pharmacodynamics/ KINETICS/ MALE/ ORGAN CULTURE/ PROGESTERONE, pharmacodynamics/ *PROTEINS, biosynthe RATS/ STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTER pharmacodynamics/ TIME FACTORS

363. **Blaquier JA, Calandra RS:** Intranuclear recept androgens in rat epididymis.
Endocrinology 93:51-60, Jul 73
ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ *CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSIT GRADIENT/ CYPROTERONE, metabolism/ CYTOSOL, metabolism/ DEOXYRIBONUCLEASE/ EPIDIDYMIS, cytology/ EPIDIDYMIS, enzymology/ *EPIDIDYMIS, metabolism/ GEL FILTRATION/ HEPARIN, pharmacodynam MALE/ OXIDOREDUCTASES, metabolism/ RATS/ *RECEPTORS, HORMONE/ *STANOLONE, metabolism/ TEMPERATU *TESTOSTERONE, metabolism/ TRITIUM/ TRYPSIN

364. **Blau K, Summer GK, Newsome HC, et al:** Phenyla loading and aromatic acid excretion in n subjects and heterozygotes for phenylketo
Clin Chim Acta 45:197-205, 18 May 73
ADULT/ CHILD/ CHROMATOGRAPHY, G DRUG TOLERANCE/ FEMALE/ HETEROZYGOTE/ HUMAN/ MALE/ MAS SPECTRUM ANALYSIS/ PEDIGREE/ PHENYLACETATES, urine/ PHENYLALANINE, blood/ PHENYLALAN diagnostic use/ PHENYLALANINE, metabolism/ PHENYLKETONURIA, blood/ PHENYLKETONURIA, familial & genetic/ *PHENYLKETONURIA, metabolism/ PREDNISOLONE, diagnostic use/ TIME FACTORS/ TYROSINE, blood

365. **Blazkovec AA, Orsini MW, Magian PC:** S dimorphism in the primary immune response Syrian hamster.
Int Arch Allergy Appl Immunol 44:274-93,
AGE FACTORS/ ANIMAL EXPERIMENTS *ANTIBODY FORMATION/ CASTRATION CIRCADIAN RHYTHM/ ERYTHROCYTES, immunology/ FEMALE/ *HAMSTERS, immunology/ HEMAGGLUTINATION TES HEMOLYTIC PLAQUE TECHNIC/ IGG, analysis/ LH, analysis/ MALE/ OVARY/ PITUITARY GLAND, analysis/ PUBERTY RADIOIMMUNOASSAY/ SEX FACTORS/ SHEEP, immunology

366. **Bleha O, Holeček V, Petrášek J:** Klinická endokrinologie.
Cas Lek Cesk 112:612-3, 18 May 73
CZECHOSLOVAKIA/ *EDUCATION, MED GRADUATE/ *ENDOCRINOLOGY, educati ENGLISH ABSTRACT/ HOSPITALS, TEACHING

367. **Bleiberg I, Perah G, Feldman M:** Effect of testos on the formation of erythroid spleen colonie fetal liver precursor cells. Blood 41:285-91,
ANIMAL EXPERIMENTS/ BONE MARRO CELLS/ CELL DIVISION/ ERYTHROCYT drug effects/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, pharmacodynamics/ FEMALE/ FETUS/ LIVER, cytology/ LIVER, enzymology/ M MICE/ POLYCYTHEMIA, blood/ RADIAT CHIMERA/ *SPLEEN, cytology/ *TESTOSTERONE, pharmacodynamics

368. **Blizard DA, Chai CK:** Behavioral studies in selectively bred for differences in thyroid fu
Behav Genet 2:301-9, Dec 72

ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ BRAIN, anatomy & histology/ DISCRIMINATION LEARNING/ EXPLORATORY BEHAVIOR/ FEMALE/ GENETICS, BEHAVIORAL/ HYPOTHYROIDISM/ *INBREEDING/ LOCOMOTION/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MODELS, BIOLOGICAL/ ORGAN WEIGHT/ REACTION TIME/ *SELECTION (GENETICS)/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS

(Blizzard RM): Citation for the Ayerst Award for Distinguished Service in Endocrinology of The Endocrine Society for 1973 to Robert M. Blizzard, M.D.
J Clin Endocrinol Metab 37:173-4, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ UNITED STATES

(Blizzard RM): Citation for the Ayerst Award for Distinguished Service in Endocrinology of The Endocrine Society for 1973 to Robert M. Blizzard, M.D.
Endocrinology 93:270-1, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ *SOCIETIES, SCIENTIFIC/ UNITED STATES

Bloch KJ, Lee L, Mills JA, et al: Gamma heavy chain disease--an expanding clinical and laboratory spectrum. Am J Med 55:61-70, Jul 73
ADOLESCENCE/ AMINO ACIDS/ AUTOPSY/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ DIAGNOSIS, DIFFERENTIAL/ HEAVY CHAIN DISEASE, complications/ HEAVY CHAIN DISEASE, diagnosis/ *HEAVY CHAIN DISEASE, pathology/ HUMAN/ HYPERCALCEMIA, complications/ IGA, urine/ IGG, urine/ IGM, urine/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULIN FRAGMENTS/ IMMUNOGLOBULINS, FC, urine/ LIVER, pathology/ LYMPHOCYTES/ LYMPHOMA, diagnosis/ MALE/ PLASMA CELLS/ THORACIC VERTEBRAE, pathology

Blogg CE, Simpson BR, Tyers MB, et al: Placental transfer of AH8165. Br J Anaesth 45:638-9, Jun 73
ANIMAL EXPERIMENTS/ *AZO COMPOUNDS, metabolism/ BIOLOGICAL ASSAY/ CURARE-LIKE AGENTS, blood/ *CURARE-LIKE AGENTS, metabolism/ DOGS/ FEMALE/ HUMAN/ IMIDAZOLES, metabolism/ *MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ *PYRIDINIUM COMPOUNDS, metabolism/ RABBITS/ RATS/ TRITIUM

Bloom HJ: Adjuvant therapy for adenocarcinoma of the kidney: present position and prospects.
Br J Urol 45:237-57, Jun 73 (105 ref.)
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ ANTINEOPLASTIC AGENTS, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ KIDNEY NEOPLASMS, drug therapy/ KIDNEY NEOPLASMS, radiotherapy/ KIDNEY NEOPLASMS, surgery/ *KIDNEY NEOPLASMS, therapy/ NEOPLASM METASTASIS/ NEPHRECTOMY/ NEUTRONS/ OXYGEN, therapeutic use/ PROGESTATIONAL HORMONES, therapeutic use/ RADIATION DOSAGE/ REVIEW/ TESTOSTERONE, therapeutic use

Bloomfield CD, Brunning RD, Theologides A, et al: Daunorubicin-prednisone remission induction with hydroxyurea maintenance in acute non-lymphocytic leukemia. Cancer 31:931-8, Apr 73
ADULT/ AGE FACTORS/ DAUNOMYCIN, administration & dosage/ *DAUNOMYCIN, therapeutic use/ *ERYTHROLEUKEMIA, drug therapy/ ERYTHROLEUKEMIA, mortality/ FEMALE/ HUMAN/ HYDROXYUREA, administration & dosage/ *HYDROXYUREA, therapeutic use/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, mortality/ *LEUKEMIA, MYELOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, mortality/ LYMPHOCYTE TRANSFORMATION/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ REMISSION/ SEX FACTORS

375. Blundell JE, Herberg LJ: Effectiveness of lateral hypothalamic stimulation, arousal, and food deprivation in the initiation of hoarding behaviour in naive rats. Physiol Behav 10:763-7, Apr 73
ANIMAL EXPERIMENTS/ *AROUSAL/ *BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ FEEDING BEHAVIOR/ *FOOD DEPRIVATION/ *HYPOTHALAMUS, physiology/ LOCOMOTION/ MALE/ RATS/ SELF STIMULATION/ STEREOTAXIC TECHNICS

376. Blundell JE, Leshem MB: Dissociation of the anorexic effects of fenfluramine and amphetamine following intrahypothalamic injection.
Br J Pharmacol 47:183-5, Jan 73
AMPHETAMINE, administration & dosage/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ BODY WEIGHT, drug effects/ FEEDING BEHAVIOR, drug effects/ FENFLURAMINE, administration & dosage/ *FENFLURAMINE, pharmacodynamics/ HYPOTHALAMUS/ INJECTIONS/ MALE/ RATS/ TIME FACTORS

377. Blye RP: The use of estrogens as postcoital contraceptive agents. Clinical effectiveness and potential mode of action.
Am J Obstet Gynecol 116:1044-50, 1 Aug 73 (52 ref.)
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, POSTCOITAL/ CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ CORPUS LUTEUM, physiology/ DIETHYLSTILBESTROL/ DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, pharmacodynamics/ ENDOMETRIUM, drug effects/ *ETHINYL ESTRADIOL/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, pharmacodynamics/ FALLOPIAN TUBES, drug effects/ FEMALE/ GUINEA PIGS/ HAMSTERS/ HUMAN/ MALE/ MICE/ OVUM, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SPERMATOZOA, drug effects/ TIME FACTORS

378. Bobo EG, Bonvallet M: Etude du mécanisme des inhibitions du réflexe massétérin déclenchées à partir de l'amygdale et de l'anse lenticulaire. Rôle médiateur du noyau de la racine spinale du trijumeau.
J Physiol (Paris) 65:Suppl 3:411A+, 1972 (Fre)
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CATS/ INHIBITION, NEURAL/ *MASTICATORY MUSCLES, innervation/ NEURAL TRANSMISSION/ REFLEX, MONOSYNAPTIC/ *SPINAL NERVE ROOTS, physiology/ *TRIGEMINAL NERVE, physiology

379. Bobrow M, Madan K: A comparison of chimpanzee and human chromosomes using the Giemsa-11 and other chromosome banding techniques.
Cytogenet Cell Genet 12:107-16, 1973
ANIMAL EXPERIMENTS/ *CHIMPANZEES/ CHROMATIN/ *CHROMOSOMES/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 19-20/ CYTOLOGICAL TECHNICS/ HUMAN/ KARYOTYPING/ SEX CHROMOSOMES/ SPECIES SPECIFICITY/ STAINS AND STAINING/ TRYPSIN

380. Bockaert J, Roy C, Rajerison R, et al: Application de la théorie de l'occupation aux récepteurs rénaux de la lysine vasopressine couplés à l'adénylcyclase. Etude à

LIBRARY U. OF I. URBANA-CHAMPAIGN

l'aide de vasopressine tritiée.
C R Acad Sci [D] (Paris) 276:649-52, 22 Jan 73 (Fre)
ADENYL CYCLASE/ ANGIOTENSIN/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, enzymology/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KINETICS/ LYSINE/ LYSINE, pharmacodynamics/ *RECEPTORS, HORMONE/ STIMULATION, CHEMICAL/ SWINE/ TRITIUM/ *VASOPRESSIN/ VASOPRESSIN, pharmacodynamics

381. **Bode HH, Rothman KJ, Danon M:** Linkage of thyroxine-binding globulin deficiency to other X-chromosome loci.
J Clin Endocrinol Metab 37:25-9, Jul 73
ANTIGENS/ COLOR BLINDNESS, familial & genetic/ DEFICIENCY DISEASES, familial & genetic/ ERYTHROCYTES, immunology/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HETEROZYGOTE/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ PEDIGREE/ *SEX CHROMOSOMES/ *THYROXINE-BINDING PROTEIN, blood

382. **Boden G, Chey WY:** Preparation and specificity of antiserum to synthetic secretin and its use in a radioimmunoassay (RIA).
Endocrinology 92:1617-24, Jun 73
ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CHOLECYSTOKININ/ CORTICOTROPIN/ CROSS REACTIONS/ FEMALE/ FSH/ GASTRIN/ GLUCAGON/ HUMAN/ *IMMUNE SERUMS/ INSULIN/ IODINE ISOTOPES/ LH/ MALE/ METHODS/ PANCREOZYMIN/ PEPTIDES/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *SECRETIN, analysis/ SECRETIN, blood/ SERUM ALBUMIN, BOVINE/ SOMATOTROPIN

383. **Boden G, Lundy LE, Owen OE:** Influence of levodopa on serum levels of anterior pituitary hormones in man.
Neuroendocrinology 10:309-15, 1972
ADMINISTRATION, ORAL/ ADULT/ CORTICOTROPIN, secretion/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *LH, blood/ LH, secretion/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, drug effects/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

384. **Bodon GR:** Emergency thyroidectomy.
NY State J Med 73:1322-4, 1 Jun 73
ACUTE DISEASE/ AGED/ *ASPHYXIA, etiology/ FEMALE/ *GOITER, complications/ GOITER, pathology/ GOITER, surgery/ HEMORRHAGE, complications/ HUMAN/ MALE/ MIDDLE AGE/ THYROID NEOPLASMS, complications/ *THYROIDECTOMY

385. **Boelkins JN, Kenny AD:** Plasma calcitonin levels in Japanese quail. Endocrinology 92:1754-60, Jun 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MAGNESIUM, pharmacodynamics/ MALE/ *QUAIL/ RATS/ *THYROCALCITONIN, blood/ THYROCALCITONIN, pharmacodynamics/ TIME FACTORS

386. **Bogaert PP van, Wellens D, Bogaert A van:** Réactions hémodynamiques du chien anesthésié aprés des excitations électriques progressives de l'hypothalamus: interférences pharmacologiques.
J Physiol (Paris) 65:Suppl 3:357A, 1972 (Fre)
ANIMAL EXPERIMENTS/ BETHANECHOL COMPOUNDS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CLONIDINE, pharmacodynamics/ DOGS/ ELECTRIC STIMULATION/ FEMORAL ARTERY/ GUANETHIDINE, pharmacodynamics/ *HEART RATE, drug effects/ *HYPOTHALAMUS, drug effects/ PROPRANOLOL, pharmacodynamics

387. **Bogatyrev GP, Goncharenko EN, Chirkov IuIa:** Radiozashchitnaia aktivnost' i vozmozhnye mekhanizmy deistviia nekotorykh potentsir radioprotektorov. Biol Nauki 113:50-3, 1973
AET, pharmacodynamics/ ANIMAL EXPERIMENTS/ APT, pharmacodynamics/ CYSTEAMINE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ HISTAMINE, radiation effects/ LIPIDS, analysis/ MICE/ OXIDATION-REDUCTION PHOSPHOLIPIDS, analysis/ POLAROGRA RADIATION EFFECTS/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ SEROTONIN, radiatio effects/ STRUCTURE-ACTIVITY RELATIONSHIP

388. **Böhlen P, Schlunegger UP, Läuppi E:** Uptal distribution of hexane in rat tissues.
Toxicol Appl Pharmacol 25:242-9, Jun 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, metabolism/ ALKANES, analys ALKANES, blood/ *ALKANES, metabolis ANIMAL EXPERIMENTS/ BRAIN, metab BRAIN CHEMISTRY/ CHROMATOGRAPH GAS/ FEMALE/ KIDNEY, analysis/ KID metabolism/ LIPIDS, blood/ LIVER, anal LIVER, metabolism/ RATS/ SPLEEN, an SPLEEN, metabolism/ TIME FACTORS

389. **Böhlen P, Stein S, Dairman W, et al:** Fluorometri of proteins in the nanogram range.
Arch Biochem Biophys 155:213-20, Mar 7
AUTOANALYSIS/ CATTLE/ DOPAMINE HYDROXYLASE, analysis/ DRUG STABI FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHO NEUROPHYSINS, analysis/ *PROTEINS, analysis/ THYMUS GLAND, analysis/ TI FACTORS

390. **Boisson M, Chalazonitis N:** Rèactivitès bioèlec propres d'un neurone gèant sècrètoire (dépilans.
C R Acad Sci [D] (Paris) 276:1025-8, 5 Feb 7
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULA GOLGI APPARATUS/ HEAT/ HYPOTON SOLUTIONS, pharmacodynamics/ MICROSCOPY, ELECTRON/ MOLLUSCA/ NEURONS, drug effects/ *NEURONS, physiology/ NEUROSECRETORY SYSTEM drug effects/ *NEUROSECRETORY SYS physiology/ NOREPINEPHRINE, pharmacodynamics/ TEMPERATURE

391. **Boivin P, Guilaine J, Kahn A:** Un nouveau mastocytose systémique.
Bull Soc Fr Dermatol Syphiligr 79:469-73, 197
BIOPSY/ BONE AND BONES, radiograph BONE DISEASES, complications/ ENDOS GASTROINTESTINAL DISEASES, complications/ GASTROINTESTINAL DISEASES, radiography/ HEMATOLOGIC DISEASES, complications/ HUMAN/ LIV DISEASES, complications/ MALE/ MAST CELLS/ MIDDLE AGE/ THROMBOPENIA complications/ *URTICARIA PIGMENTOS URTICARIA PIGMENTOSA, complication URTICARIA PIGMENTOSA, pathology

392. **Bojkinov I, Katranuschkov I:** Zur Stadienein der juvenilen rheumatoiden Arthritis.
Monatsschr Kinderheilkd 121:145-7, Apr 73
ADOLESCENCE/ ARTHRITIS, JUVENILE RHEUMATOID, classification/ ARTHRITI JUVENILE RHEUMATOID, complications *ARTHRITIS, JUVENILE RHEUMATOID, radiography/ BONE DEVELOPMENT/ CH CHILD, PRESCHOOL/ CONNECTIVE TIS ENGLISH ABSTRACT/ HUMAN/ OSTEOPOROSIS, complications/ PERIOST complications/ TIME FACTORS

393. **Bolt HM, Remmer H:** The fate of mestran -ethynylestradiol-3-methyl ether) in the l perfused rat liver. Horm Metab Res 5:101-5,
ANIMAL EXPERIMENTS/ BILE, analysis

CARBON ISOTOPES/ CHROMATOGRAPHY/ ESTRADIOL, analysis/ ESTRADIOL, metabolism/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ ETHINYL ESTRADIOL, metabolism/ FEMALE/ GLUCURONATES, analysis/ *LIVER, metabolism/ MESTRANOL, analysis/ *MESTRANOL, metabolism/ MODELS, BIOLOGICAL/ PERFUSION/ RATS/ SULFURIC ACIDS, analysis/ TIME FACTORS/ TRITIUM

394. **Bonati B, Palmieri B, Fornieri C, et al:** Azoospermie umane idiopatiche. Constributo clinico-sperimentale.
Recent Prog Med (Roma) 54:160-96, Feb 73 (Ita)
ADULT/ BIOPSY/ ENGLISH ABSTRACT/ EUNUCHISM, complications/ HUMAN/ HYPOGONADISM, complications/ KLINEFELTER'S SYNDROME, complications/ MALE/ MIDDLE AGE/ *SPERMATOZOA, analysis/ *STERILITY, MALE, etiology/ *TESTICULAR DISEASES, complications/ TESTICULAR DISEASES, pathology

395. **Bondani A, Olmedo-Zorrilla M:** Acci on de la tetrodotoxina y tetraca ina en las contracciones del utero de rata (in vitro) producidas por ocitocina, prostaglandina E 1 y E 2.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Spa)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *TETRACAINE, pharmacodynamics/ *TETRODOTOXIN, pharmacodynamics/ *UTERUS, drug effects

396. **Bongiovanni AM, Moshang T Jr, Parks JS:** Maturational deceleration after treatment of congenital adrenal hyperplasia. Helv Paediatr Acta 28:127-34, May 73
ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, congenital/ *ADRENOGENITAL SYNDROME, drug therapy/ BONE DEVELOPMENT/ CHILD/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ FEMALE/ *GROWTH/ HUMAN/ MALE/ PUBERTY/ PUBERTY, PRECOCIOUS, etiology/ PUBERTY, PRECOCIOUS, prevention & control/ TESTIS, growth & development

397. **Bonnet M:** Le syndrome d'Irvine-Gass. IV. Etiologie. V. Pathogénie. VI. Traitement.
Arch Ophtalmol (Paris) 32:801-14, Dec 72 (Fre)
ADULT/ AGE FACTORS/ AGED/ *CATARACT EXTRACTION, adverse effects/ CHYMOTRYPSIN, adverse effects/ CORNEA, surgery/ *EDEMA, etiology/ EDEMA, prevention & control/ EDEMA, surgery/ EDEMA, therapy/ ENGLISH ABSTRACT/ EYE DISEASES, complications/ FEMALE/ HUMAN/ IRIS, surgery/ *MACULA LUTEA/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ *RETINAL DISEASES, etiology/ RETINAL DISEASES, prevention & control/ RETINAL DISEASES, surgery/ RETINAL DISEASES, therapy/ SYNDROME/ VITREOUS BODY

398. **Bonnet M, Villon JC:** La sclère.
Arch Ophtalmol (Paris) 33:67-72, Jan 73 (49 ref.) (Fre)
AMINO ACID METABOLISM, INBORN ERRORS, complications/ ARTHRITIS, RHEUMATOID, complications/ CHROMOSOME ABNORMALITIES/ COLOBOMA, complications/ EHLERS-DANLOS SYNDROME, complications/ *EYE DISEASES, etiology/ EYE NEOPLASMS/ FEMALE/ HUMAN/ INFLAMMATION, complications/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOSCLEROSIS, complications/ REVIEW/ *SCLERA/ SCLERA, abnormalities/ SCLERA, injuries/ SCLERA, surgery/ SKIN DISEASES, complications/ SYNDROME/ WEGENER'S GRANULOMATOSIS, complications

399. **Bonnin A, Butez BJ, Tonnelier M, et al:** Radiologie des surrénales. Rev Prat 23:907-21, 21 Feb 73 (Fre)
ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND HYPERFUNCTION, radiography/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, radiography/ CUSHING'S SYNDROME, radiography/ DIAGNOSIS, DIFFERENTIAL/ HYPERALDOSTERONISM, radiography/ PHEOCHROMOCYTOMA, radiography/ PNEUMOPERITONEUM/ SPECIAL LIST FOREIGN

400. **Bonnin JP, Croizet M:** Evaluation de l'activité hormonale en culture d'explants thyroïdiens de Gobius niger.
C R Soc Biol (Paris) 166:347-50, 9 Nov 72 (Fre)
ANIMAL EXPERIMENTS/ *FISHES/ *ORGAN CULTURE/ PITUITARY GLAND/ THYROID GLAND, metabolism/ *THYROID GLAND, secretion/ THYROTROPIN, pharmacodynamics/ *THYROXINE, analysis

401. **Bonucci E, Sadun R:** Experimental calcification of the myocardium. Ultrastructural and histochemical investigations. Am J Pathol 71:167-92, May 73
ANIMAL EXPERIMENTS/ CALCINOSIS, chemically induced/ *CALCINOSIS, pathology/ DIHYDROTACHYSTEROL/ DISEASE MODELS, ANIMAL/ EDTA/ FEMALE/ HEART DISEASES, chemically induced/ *HEART DISEASES, pathology/ HYPERCALCEMIA, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ *MYOCARDIUM, pathology/ RATS

402. **Bopp KF, Schindl R:** Therapie und Todesfälle beim Status asthmaticus. Ergänzungen und Bemerkungen zu R. Schindl, Münch. med. Wschr. 114(1972) 34, 1445.
Munch Med Wochenschr 115:731-2, 20 Apr 73 (Ger)
*ASTHMA, drug therapy/ ASTHMA, mortality/ CARDIAC GLYCOSIDES, therapeutic use/ DIAZEPAM, administration & dosage/ GERMANY, WEST/ HUMAN/ *PREDNISOLONE, administration & dosage/ TRANQUILIZING AGENTS, therapeutic use

403. **Borchardt RT:** Catechol O-methyltransferase. 2. In vitro inhibition by substituted 8-hydroxyquinolines.
J Med Chem 16:382-7, Apr 73
S-ADENOSYLMETHIONINE, pharmacodynamics/ BENZOATES/ BINDING SITES/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CHEMISTRY/ HYDROGEN-ION CONCENTRATION/ IODINE, pharmacodynamics/ KINETICS/ LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ MALE/ METHYLATION/ *METHYLTRANSFERASES, antagonists & inhibitors/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ *QUINOLINES, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

404. **Borel JF:** Effect of some drugs on the chemotaxis of rabbit neutrophils in vitro.
Experientia 29:676-8, 15 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ *CHEMOTAXIS, drug effects/ CHLOROQUINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEMECOLCINE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DTPA, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ INDOLEACETIC ACID, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ MITOGENS, pharmacodynamics/ *NEUTROPHILS, drug effects/ PHENYLBUTAZONE, pharmacodynamics/ PLANT AGGLUTININS, pharmacodynamics/

LIBRARY U. OF I., URBANA-CHAMPAIGN

RABBITS/ SALICYLATES, pharmacodynamics/ TRYPSIN, pharmacodynamics/ VINCRISTINE, pharmacodynamics

405. **Boroditsky RS, Faiman C:** Galactorrhea-amenorrhea due to primary hypothyroidism.
Am J Obstet Gynecol 116:661-5, 1 Jul 73
ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, etiology/ CREATININE, urine/ ESTROGENS, urine/ FEMALE/ FSH, blood/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHYROIDISM, complications/ 17-KETOSTEROIDS, urine/ LACTATION DISORDERS, drug therapy/ *LACTATION DISORDERS, etiology/ LH, blood/ PREGNANCY/ PROLACTIN, blood/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE, therapeutic use

406. **Borshchagovskii ML, Dubikaitis IuV, Raevskii VP:** Funktsional'noe sostoianie golovnogo mozga, serdtsa i pochek pri udalenii opukholei golovnogo mozga pod obshchim obezbolivaniem s neirovegatativnoi blokadoi.
Vopr Neirokhir 37:54-9, Mar-Apr 73 (Rus)
ACOUSTIC NERVE/ ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, GENERAL/ *AUTONOMIC NERVE BLOCK/ *BRAIN, physiopathology/ *BRAIN NEOPLASMS, surgery/ CEREBRAL VENTRICLE NEOPLASMS, surgery/ CRANIOPHARYNGIOMA, surgery/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ GLIOMA, surgery/ *HEART, physiopathology/ HEART FUNCTION TESTS/ HUMAN/ *KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS/ MENINGIOMA, surgery/ MIDDLE AGE/ NEURILEMMOMA, surgery/ NEUROLOGIC EXAMINATION/ SPECIFIC GRAVITY

407. **Boss PS, Jolley WB, Ainsworth EJ:** Mechanisms of action of topically applied triamcinolone acetonide in prolonging skin allograft survival time.
Transplantation 15:17-21, Jan 73
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, administration & dosage/ CATTLE/ FEMALE/ *GRAFT REJECTION, drug effects/ HYPERSENSITIVITY, IMMEDIATE/ IMMUNITY, drug effects/ INFLAMMATION/ INJECTIONS, INTRADERMAL/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ PASSIVE TRANSFER/ RABBITS/ SERUM ALBUMIN, BOVINE, administration & dosage/ *SKIN, transplantation/ SPLEEN, cytology/ SPLEEN, immunology/ SPLEEN, transplantation/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS/ *TRIAMCINOLONE ACETONIDE, administration & dosage

408. **Boucher R, Gauthier M, Jolicoeur P, et al:** Translational control of protein synthesis in rat anterior pituitary by N 6 -2'-O-dibutyryl adenosine 3',5'-monophosphate.
Can J Biochem 51:913-9, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES/ CENTRIFUGATION, DENSITY GRADIENT/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ IN VITRO/ LEUCINE, metabolism/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ *PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TRANSLATION, GENETIC, drug effects/ TRITIUM/ URIDINE, metabolism

409. **Boué JG, Boué A, Lazar P, et al:** Outcome of pregnancies following a spontaneous abortion with chromosomal anomalies.
Am J Obstet Gynecol 116:806-12, 15 Jul 73
*ABORTION/ ABORTION, occurrence/ *CHROMOSOME ABNORMALITIES, diagnosis/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FERTILITY/ GESTATIONAL AGE/ HUMAN/ KARYOTYPING/ MATERNAL AGE *PREGNANCY/ PROSPECTIVE STUDIES/ RECURRENCE

410. **Boulos BM, Hanna F, Davis LE, et al:** Placental transf of antipyrine and thiocyanate and their use determining maternal and fetal body fluids in maintained pregnancy.
Arch Int Pharmacodyn Ther 201:42-51, Jan 7
ANIMAL EXPERIMENTS/ *ANTIPYRINE, metabolism/ ANTIPYRINE, pharmacodynamics *BODY FLUIDS, metabolism/ *FETUS, drug effects/ FETUS, metabolism/ GESTATIONAL AGE/ GOATS/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ *THIOCYANATES, metabolism THIOCYANATES, pharmacodynamics

411. **Boulter PR, Spark RF, Arky RA:** Effect of aldostero blockade during fasting and refeeding.
Am J Clin Nutr 26:397-402, Apr 73
ADRENAL GLANDS, drug effects/ ADRENA GLANDS, secretion/ ADULT/ ALDOSTERON blood/ *ALDOSTERONE, secretion/ ALDOSTERONE, urine/ DIETARY CARBOHYDRATES/ FASTING/ FEMALE/ HUMAN/ KIDNEY TUBULES, DISTAL, metabolism/ MALE/ *NATRIURESIS/ NATRIURESIS, drug effects/ *NUTRITION/ OBESITY/ POTASSIUM, urine/ SECRETORY RATE/ SODIUM, metabolism/ SODIUM, pharmacodynamics/ *SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

412. **Bourde C, Bourdoncle EY, Brunel MF:** Un cas phlébite axillo-sous-clavière après prise de contraceptif oral.
Phlebologie 25:263-5, Jul-Sep 72 (F
ADULT/ *AXILLARY VEIN/ *CONTRACEPTIVES, ORAL, adverse effects ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MUSCLES, abnormalities/ NECK/ PHLEBOGRAPHY/ *SUBCLAVIAN VEIN/ *THROMBOPHLEBITIS, chemically induced/ THROMBOPHLEBITIS, surgery

413. **Bourdinière J, Jezéquel J, Labarthe B de, et** Granulomatose de Wegener à forme otologiq (Diagnostic et évolution sous traitement immuno-dépresseur.
Ann Otolaryngol Chir Cervicofac 90:203-12, Mar (F
AZATHIOPRINE, therapeutic use/ BETAMETHASONE, therapeutic use/ CORTISONE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DEAFNESS, etiology/ EAR DISEASES, complications/ *EAR DISEASES, diagnosis/ EAR DISEASES, drug therapy/ ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ HUMAN/ HYDROCORTISONE, therapeutic u *IMMUNOSUPPRESSIVE AGENTS, therapeut use/ *LABYRINTH DISEASES, diagnosis/ LABYRINTH DISEASES, drug therapy/ MALE/ MIDDLE AGE/ RECURRENCE/ WEGENER'S GRANULOMATOSIS, complications/ *WEGENER'S GRANULOMATOSIS, diagnosis/ WEGENER'S GRANULOMATOSIS, drug therapy

414. **Bourgoin S, Morot-Gaudry Y, Glowinski J, et** Stimulating effect of short term ether anaesthesi central 5-HT synthesis and utilization in the mo brain. Eur J Pharmacol 22:209-11, May 73
*ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ *ETHYL ETHER, pharmacodynamics/ IN VITRO/ MALE/ MICE/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ TI FACTORS/ TRITIUM/ TRYPTOPHAN, metabolism

415. **Bourke E, Barniville H:** Granulomatous sarco nephritis. Ir J Med Sci 142:127-31, May 73
ADULT/ BIOPSY/ *DIABETES INSIPIDUS, complications/ DIABETIC NEPHROPATHIES *GRANULOMA, etiology/ GRANULOMA, pathology/ HUMAN/ KIDNEY CORTEX, pathology/ MALE/ *NEPHRITIS, complicatio

NEPHRITIS, pathology/ *SARCOIDOSIS, complications

18. **Boush GV:** Tuberkulez legkikh u bol'nykh bronkhial'noi astmoi, lechivshikhsia gormonami. Sov Med 35:85-8, Apr 72 (Rus)
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *ASTHMA, complications/ ASTHMA, drug therapy/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ TUBERCULOSIS, PULMONARY, chemically induced/ *TUBERCULOSIS, PULMONARY, etiology

17. **Bousser J, Zittoun R, Siguier F, et al:** Leucémie myélo-monocytaire et proténinose alvéolaire pulmonaire.
Sem Hop Paris 49:507-11, 8 Feb 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANEMIA, etiology/ AUTOPSY/ BONE MARROW EXAMINATION/ DYSPNEA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, etiology/ HUMAN/ *LEUKEMIA, MONOCYTIC, complications/ LEUKEMIA, MONOCYTIC, diagnosis/ LEUKEMIA, MONOCYTIC, drug therapy/ LEUKEMIA, MONOCYTIC, pathology/ LUNG, pathology/ MERCAPTOPURINE, therapeutic use/ MIDDLE AGE/ *PULMONARY ALVEOLAR PROTEINOSIS, complications/ PULMONARY ALVEOLAR PROTEINOSIS, diagnosis/ PULMONARY ALVEOLAR PROTEINOSIS, drug therapy/ PULMONARY ALVEOLAR PROTEINOSIS, pathology/ PULMONARY ALVEOLAR PROTEINOSIS, radiography/ SPLENOMEGALY, etiology

18. **Bouthreuil E, Niang I, Michaut E, et al:** Etude préliminaire de la puberté de la fille a Dakar. Etude [ngitudinale de 110 adolescentes Africaines.
Ann Pediatr (Paris) 19:685-90, 2 Oct 72 (Fre)
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENARCHE/ *NEGROID RACE/ PARIS/ *PUBERTY/ SENEGAL/ STATISTICS

19. **Box PG, Ellis KR:** Use of CT1341 anaesthetic ("Saffan") in monkeys. Lab Anim 7:161-70, May 73
*ANESTHESIA, GENERAL, veterinary/ ANESTHESIA, INTRAVENOUS, veterinary/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ DRUG COMBINATIONS/ FEMALE/ GAIT, drug effects/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ KETOSTEROIDS/ KETOSTEROIDS, administration & dosage/ *MACACA, physiology/ MALE/ MONKEYS/ PHENCYCLIDINE, administration & dosage/ *PREGNANES/ PREGNANES, administration & dosage/ REFLEX, drug effects/ RESPIRATION, drug effects/ TIME FACTORS

20. **Boyar RM, Finkelstein JW, David R, et al:** Twenty-four hour patterns of plasma luteinizing hormone and follicle-stimulating hormone in sexual precocity.
N Engl J Med 289:282-6, 9 Aug 73
ADOLESCENCE/ ADRENOGENITAL SYNDROME, blood/ ADRENOGENITAL SYNDROME, metabolism/ BRAIN NEOPLASMS, blood/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, metabolism/ CHILD/ CIRCADIAN RHYTHM/ FEMALE/ *FSH, blood/ FSH, secretion/ HUMAN/ HYPOTHALAMUS/ *LH, blood/ LH, secretion/ MALE/ *PUBERTY, PRECOCIOUS, blood/ PUBERTY, PRECOCIOUS, etiology/ PUBERTY, PRECOCIOUS, metabolism/ SLEEP/ SLEEP, REM

21. **Boyd J, Mulrow PJ, Palmore WP, et al:** Importance of potassium in the regulation of aldosterone production. Circ Res 32:Suppl 1:39-45, 5 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, analysis/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, analysis/ CORTICOSTERONE, metabolism/ CORTICOTROPIN, pharmacodynamics/ IN VITRO/ LEUCINE, metabolism/ MALE/ OUABAIN, pharmacodynamics/ POTASSIUM, analysis/ POTASSIUM, blood/ POTASSIUM, metabolism/ *POTASSIUM, physiology/ POTASSIUM CHLORIDE, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ STIMULATION, CHEMICAL/ TISSUE CULTURE

422. **Boyle IT, Omdahl JL, Gray RW, et al:** The biological activity and metabolism of 24,25-dihydroxyvitamin D 3 . J Biol Chem 248:4174-80, 25 Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, blood/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, physiology/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ FEMUR, metabolism/ *HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINAL MUCOSA, metabolism/ KIDNEY, physiology/ MALE/ NEPHRECTOMY/ PHOSPHORUS, blood/ RATS/ SWINE/ TRITIUM/ VITAMIN D DEFICIENCY, drug therapy/ *VITAMIN D DEFICIENCY, metabolism

423. **Boyns AR, Cole EN, Griffiths K, et al:** Plasma prolactin in breast cancer. Eur J Cancer 9:99-102, Feb 73
BREAST DISEASES, blood/ *BREAST NEOPLASMS, blood/ FEMALE/ HUMAN/ MENOPAUSE/ *PROLACTIN, blood/ RADIOIMMUNOASSAY

424. **Bozadzhieva E, Koev D:** Lipoatroficheh diabet.
Vutr Boles 12:8-13, 1973 (22 ref.) (Bul)
ACANTHOSIS NIGRICANS/ ADOLESCENCE/ ADULT/ ANTIGEN-ANTIBODY REACTIONS/ *ATROPHY, diagnosis/ ATROPHY, immunology/ BASAL METABOLISM/ CARDIOVASCULAR SYSTEM, pathology/ CHILD/ CHILD, PRESCHOOL/ *DIABETES MELLITUS, diagnosis/ DIABETES MELLITUS, immunology/ FEMALE/ HUMAN/ HYPERCHOLESTEREMIA, etiology/ HYPERLIPEMIA, etiology/ INFANT/ INSULIN, blood/ *LIPODYSTROPHY, diagnosis/ LIPODYSTROPHY, immunology/ MALE/ MIDDLE AGE/ MUSCULAR ATROPHY, diagnosis/ PROTEIN-BOUND IODINE TEST/ REVIEW

425. **Bozhadzhieva E, Konstantinov N, Rachev R, et al:** Lipatrofichen diabet. Opisanie na sluchai.
Vutr Boles 12:130-3, 1973 (Bul)
ADULT/ *ATROPHY, diagnosis/ ATROPHY, drug therapy/ BLOOD SUGAR, analysis/ CASE REPORT/ CORTICOTROPIN, therapeutic use/ *DIABETES MELLITUS, diagnosis/ DIABETES MELLITUS, drug therapy/ EYE MANIFESTATIONS/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ INSULIN, therapeutic use/ LIPIDS, blood/ *LIPODYSTROPHY, diagnosis/ METYRAPONE, therapeutic use

426. **Bradbury SJ:** The effect of parathion on crustacean skeletal muscle. II. Disruption of excitation-contraction coupling.
Comp Biochem Physiol [A] 44:1033-46, 1 Apr 73
ACTOMYOSIN, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CRABS, physiology/ IN VITRO/

LIBRARY U. OF I., URBANA-CHAMPAIGN

MICROSCOPY, ELECTRON/ MUSCLE CONTRACTION, drug effects/ MUSCLES, cytology/ MUSCLES, drug effects/ MUSCLES, metabolism/ *MUSCLES, physiology/ *PARATHION, pharmacodynamics/ PRECIPITATION/ SARCOPLASMIC RETICULUM, drug effects

427. **Bradley EL 3d, McGarity WC:** Surgical evaluation of parathyroid arteriography. Am J Surg 126:67-73, Jul 73
ADENOMA, complications/ ADENOMA, diagnosis/ ADULT/ AGED/ *ANGIOGRAPHY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, surgery/ HYPERPLASIA/ MALE/ MEDIASTINAL NEOPLASMS, diagnosis/ METHODS/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ STAINS AND STAINING/ THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis

428. **Brady RO, Tallman JF, Johnson WG, et al:** Replacement therapy for inherited enzyme deficiency. Use of purified ceramidetrihexosidase in Fabry's disease. N Engl J Med 289:9-14, 5 Jul 73
ADULT/ *ANGIOKERATOMA CORPORIS DIFFUSUM, drug therapy/ ANGIOKERATOMA CORPORIS DIFFUSUM, therapy/ BLOOD TRANSFUSION/ CEREBROSIDES/ GALACTOSIDASE, administration & dosage/ GALACTOSIDASE, blood/ GALACTOSIDASE, isolation & purification/ GALACTOSIDASE, metabolism/ *GALACTOSIDASE, therapeutic use/ GLYCOLIPIDS, blood/ GLYCOLIPIDS, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ INJECTIONS, INTRAVENOUS/ LIPID METABOLISM, INBORN ERRORS, drug therapy/ LIPID METABOLISM, INBORN ERRORS, therapy/ MALE/ PLACENTA, analysis/ PLACENTA, enzymology/ SYNDROME/ TISSUE EXTRACTS, therapeutic use

429. **Brand A, Jong WH de:** Qualitative and quantitative micromorphological investigations of the tertiary follicle population during the oestrous cycle in sheep. J Reprod Fertil 33:431-9, Jun 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, growth & development/ OVARY, anatomy & histology/ PROGESTERONE/ SHEEP/ TIME FACTORS

430. **Brandenberger G, Follenius M:** Influence de l'exercise musculaire sur l'excrétion urinaire des hormones cortico- et médullo-surrénaliennes. J Physiol (Paris) 65:Suppl 3:364A, 1972 (Fre)
*ALDOSTERONE, urine/ *CATECHOLAMINES, urine/ CATHETERIZATION/ CIRCADIAN RHYTHM/ *EXERTION/ HUMAN/ *HYDROCORTISONE, urine/ STRESS, PSYCHOLOGICAL, urine

431. **Branstetter RF, Tucker RE, Mitchell GE Jr, et al:** Vitamin A transfer from cows to calves. Int J Vitam Nutr Res 43:142-6, 1973
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMALS, NEWBORN, metabolism/ CATTLE/ COLOSTRUM, analysis/ FEMALE/ LACTATION/ LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ *MILK, analysis/ UDDER, metabolism/ VITAMIN A, administration & dosage/ VITAMIN A, analysis/ VITAMIN A, blood/ *VITAMIN A, metabolism

432. **Braselton WE Jr, Orr JC, Engel LL:** The twin ion technique for detection of metabolites by gas chromatography-mass spectrometry: intermediates in estrogen biosynthesis. Anal Biochem 53:64-85, May 73
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, biosynthesis/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEUTERIUM/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROXYSTEROIDS, biosynthesis 17-KETOSTEROIDS, biosynthesis/ *17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, biosynthesis/ MASS SPECTRUM ANALYSIS/ METHODS/ MICROSOMES, metabolism/ PLACENTA, cytology/ *PLACENTA, metabolism/ PREGNANCY/ *TESTOSTERONE, metabolism

433. **Brauman H, Smets P, Corvilain J:** Comparative stud growth hormone response to hypoglycemia in nor subjects and in patients with primary myxedema hyperthyroidism before and after treatment. J Clin Endocrinol Metab 36:1162-74, Jun 73
ADULT/ BLOOD SUGAR, analysis/ FEMALE HUMAN/ HYDROCORTISONE, blood/ *HYPERTHYROIDISM, blood/ pharmacodynamics/ MALE/ MIDDLE AGE/ *MYXEDEMA, blood/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS

434. **Braun HJ:** La terapia urto intermittente con melph e predniso(lo)ne del plasmocitoma. Minerva Med 64:679-82, 14 Mar 73 (
CLINICAL RESEARCH/ HUMAN/ IMMUNOGLOBULINS, analysis/ *MELPHAL administration & dosage/ *PLASMACYTOMA drug therapy/ PLASMACYTOMA, immunolo *PREDNISOLONE, administration & dosage/ *PREDNISONE, administration & dosage/ TIME FACTORS

435. **Braun P:** A béta-receptor blokkolókról. Orv Hetil 114:1493-4, 24 Jun 73 (H
ARRHYTHMIA, drug therapy/ HUMAN/ HYPERTENSION, drug therapy/ PHEOCHROMOCYTOMA, drug therapy

436. **Braun WE, Straffon RA, Nakamoto S, et a** Mismatched HL-A haplotypes with antigens HL-A and 11 associated with excellent renal allog function. Transplantation 15:86-91, Jan 73
ANTI-ANTIBODIES/ ANTIBODIES/ ANTILYMPHOCYTE SERUM/ ANTINUCLE FACTORS/ AZATHIOPRINE, pharmacodynamics/ BLOOD TRANSFUSION CROSS REACTIONS/ CYTOTOXICITY TES IMMUNOLOGIC/ GENOTYPE/ *HISTOCOMPATIBILITY ANTIGENS/ HISTOCOMPATIBILITY TESTING/ HUMAN HYPERSENSITIVITY, DELAYED/ IMMUNIT IMMUNIZATION/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ LYMPHOCYTES, immunology/ PLANT AGGLUTININS/ PREDNISONE, pharmacodynamics/ THYMECTOMY/ TIME FACTORS/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

437. **Braunstein GD, McIntire KR, Waldmann TA** Discordance of human chorionic gonadotropin alpha-fetoprotein in testicular teratocarcinon Cancer 31:1065-8, May 73
ADULT/ ALPHA GLOBULIN, analysis/ DACTINOMYCIN, therapeutic use/ *FETAL GLOBULINS, analysis/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MALE/ NEOPLASM METASTASIS/ RADIOIMMUNOASSAY/ *TERATOID TUMO blood/ TERATOID TUMOR, drug therapy/ *TESTICULAR NEOPLASMS, blood/ TESTICULAR NEOPLASMS, drug therapy

438. **Braunstein GD, Vogel CL, Vaitukaitis JL, et al:** Ect production of human chorionic gonadotropi Ugandan patients with hepatocellular carcin Cancer 32:223-6, Jul 73
AUSTRALIA ANTIGEN, analysis/ FEMALE FETAL GLOBULINS, analysis/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, secretion HEPATOMA, enzymology/ HEPATOMA, immunology/ *HEPATOMA, physiopathology HORMONES, ECTOPIC, blood/ *HORMONE

ECTOPIC, secretion/ HUMAN/ LIVER CIRRHOSIS, physiopathology/ LIVER NEOPLASMS, enzymology/ LIVER NEOPLASMS, immunology/ *LIVER NEOPLASMS, physiopathology/ MALE/ MIDDLE AGE/ PROLINE HYDROXYLASE, metabolism/ TIME FACTORS/ UGANDA

439. **Braverman B, Davis JO, Taylor AA:** Sodium depletion and postcaval vein constriction on steroid secretion in the bullfrog. Am J Physiol 224:1358-62, Jun 73
*ADRENAL GLANDS, secretion/ ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CONSTRICTION/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ CORTICOTROPIN, physiology/ DESOXYCORTICOSTERONE, blood/ *DESOXYCORTICOSTERONE, secretion/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FROGS/ HYPONATREMIA, physiopathology/ MALE/ POTASSIUM, blood/ *RANA CATESBEIANA, physiology/ SECRETORY RATE, drug effects/ SODIUM, blood/ *SODIUM, physiology/ VENAE CAVAE

440. **Bray GA, Melvin KE, Chopra IJ:** Effect of triiodothyronine on some metabolic responses of obese patients. Am J Clin Nutr 26:715-21, Jul 73
ADOLESCENCE/ ADULT/ BLOOD PRESSURE, drug effects/ BODY HEIGHT/ BODY WEIGHT, drug effects/ CLINICAL RESEARCH/ CREATININE, urine/ DIETARY PROTEINS/ FEMALE/ HEART RATE/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ NITROGEN, urine/ *OBESITY, metabolism/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM, urine/ SODIUM, urine/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, pharmacodynamics/ TYROSINE, blood

441. **Brazelton TB:** Assessment of the infant at risk. Clin Obstet Gynecol 16:361-75, Mar 73 (42 ref.)
APGAR SCORE/ BEHAVIOR/ BLOOD/ BRAIN, embryology/ BRAIN CHEMISTRY/ CENTRAL NERVOUS SYSTEM, physiopathology/ CHILD DEVELOPMENT/ DIACETYLMORPHINE, adverse effects/ DNA, analysis/ FEMALE/ FETUS, drug effects/ FETUS, growth & development/ GESTATIONAL AGE/ HORMONES, metabolism/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ INFANT, PREMATURE, DISEASES, diagnosis/ LYSERGIC ACID DIETHYLAMIDE, adverse effects/ MOTHER-CHILD RELATIONS/ NEUROLOGIC EXAMINATION/ NEUROLOGIC MANIFESTATIONS/ PLACENTA, growth & development/ PREGNANCY/ REVIEW/ TRANQUILIZING AGENTS, adverse effects/ UMBILICAL CORD

442. **Breggin PR:** The second wave.
Ment Hyg 57:11-3, Winter 73
ADOLESCENCE/ ADULT/ AMYGDALOID BODY, surgery/ *ATTITUDE OF HEALTH PERSONNEL/ CHILD, PRESCHOOL/ ETHICS, MEDICAL/ FEMALE/ FRONTAL LOBE, surgery/ HOSPITALS, PSYCHIATRIC/ HUMAN/ HYPOTHALAMUS, surgery/ INFORMED CONSENT/ JURISPRUDENCE/ MALE/ *MENTAL DISORDERS, surgery/ POLITICS/ PRISONERS/ *PSYCHOSURGERY/ UNITED STATES

443. **Breitenbach RP, Gonnerman WA, Erfling WL, et al:** Dietary magnesium, calcium homeostasis, and parathyroid gland activity of chickens.
Am J Physiol 225:12-7, Jul 73
AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CARBON ISOTOPES/ CHICKENS/ *DIET/ HOMEOSTASIS/ HYPOCALCEMIA, etiology/ *MAGNESIUM/ MAGNESIUM, blood/ MAGNESIUM, pharmacodynamics/ MAGNESIUM DEFICIENCY, physiopathology/ MALE/ *PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ ULTIMOBRANCHIAL BODY, physiology

444. **Bremer HJ, Przyrembel H:** Transitorische Störungen des Aminosäuren-Stoffwechsels. Praktische Gesichtspunkte.
Monatsschr Kinderheilkd 121:207-9, May 73 (32 ref.) (Ger)
AMINO ACID METABOLISM, INBORN ERRORS, diagnosis/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, therapeutic use/ CYSTATHIONINE, metabolism/ CYSTATHIONINE, urine/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HISTIDINE, metabolism/ HUMAN/ *INFANT, NEWBORN, DISEASES, diagnosis/ INFANT NUTRITION/ INFANT, PREMATURE/ *INFANT, PREMATURE, DISEASES, diagnosis/ METABOLIC DISEASES, complications/ *METABOLIC DISEASES, diagnosis/ METABOLIC DISEASES, etiology/ METABOLIC DISEASES, prevention & control/ METHIONINE, blood/ METHIONINE, metabolism/ MILK PROTEINS/ PHENYLALANINE, blood/ PHENYLALANINE, metabolism/ RATS/ REVIEW/ TESTICULAR DISEASES, etiology/ TIME FACTORS/ TYROSINE, blood/ TYROSINE, metabolism

445. **Breneman WR, Rathkamp W:** Release of thyroid stimulating hormone from chick anterior pituitary glands by thyrotropin releasing hormone (TRH).
Biochem Biophys Res Commun 52:189-94, 1 May 73
ANIMAL EXPERIMENTS/ CHICKENS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, secretion/ STATISTICS/ THYROID GLAND, metabolism/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

446. **Brenner WE, Hendricks CH, Fishburne JI Jr, et al:** Induction of therapeutic abortion with intra-amniotically administered prostaglandin F 2 . A comparison of three repeated-injection dose schedules. Am J Obstet Gynecol 116:923-30, 1 Aug 73
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ BLOOD CELL COUNT/ BODY HEIGHT/ BODY WEIGHT/ CERVIX UTERI/ DIARRHEA, complications/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOMETRITIS, complications/ FEMALE/ FEVER, complications/ GESTATIONAL AGE/ HUMAN/ PAIN/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS/ UTERINE HEMORRHAGE, complications/ VOMITING, complications

447. **Breslow R, Baldwin S, Flechtner T, et al:** Remote oxidation of steroids by photolysis of attached benzophenone groups.
J Am Chem Soc 95:3251-62, 16 May 73
*ANDROSTANES, radiation effects/ *BENZOPHENONES/ *CHOLESTEROL, radiation effects/ CIRCULAR DICHROISM/ OXIDATION-REDUCTION/ PHOTOLYSIS/ *RADIOCHEMISTRY

448. **Bresson Y, N'Doye R:** Aspects de la pathologie thyroidienne à Dakar à travers les explorations radio-isotopiques.
Bull Soc Med Afr Noire Lang Fr 17:465-71, 1972 (Fre)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ RACIAL STOCKS/ *RADIOISOTOPE SCANNING/ SENEGAL/ SEX FACTORS/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, metabolism

449. **Breull W, Dahners HW, Redel D, et al:** Hypertrophie und Durchblutung des Myokards bei renalen, hormonellen und genetischen Hochdruckformen der Ratte.
Verh Dtsch Ges Kreislaufforsch 38:179-83, 1972 (Ger)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/

LIBRARY U. OF I., URBANA-CHAMPAIGN

CORONARY CIRCULATION/ CORONARY VESSELS/ CORTICOSTERONE/ *HEART ENLARGEMENT, physiopathology/ *HYPERTENSION, familial & genetic/ *HYPERTENSION, RENAL, physiopathology/ ORGAN WEIGHT/ RATS

450. **Brewitt H, Huerkamp B:** Primärer M. Boeck der Orbita.
Klin Monatsbl Augenheilkd 162:247-51, Feb 73 **(Ger)**
AGED/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *ORBIT, pathology/ SARCOIDOSIS, drug therapy/ *SARCOIDOSIS, pathology/ TRIAMCINOLONE ACETONIDE, therapeutic use

451. **Bfezik Z, Kunz E:** 90 Sr v kostech obyvatel CSSR v letech 1964-1969.
Cas Lek Cesk 112:750-4, 1973 **(Cze)**
ADOLESCENCE/ ADULT/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE/ RADIOACTIVE FALLOUT/ *STRONTIUM ISOTOPES, metabolism

452. **Briard-Guillemot ML, Raverdy E, Baisan S, et al:** Etude critique de l'hypophosphatémie pour l'étude génetique du rachitisme vitamini-résistant hypophosphatérmique familial.
Arch Fr Pediatr 29:1059-68, Dec 72 **(Fre)**
DIET/ ENGLISH ABSTRACT/ FEMALE/ GENES, DOMINANT/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL, blood/ MALE/ PEDIGREE/ PHOSPHORUS, blood/ *RICKETS, VITAMIN D RESISTANT, familial & genetic/ SEX FACTORS

453. **Bricair H, Saltiel H, Philbert M:** La thyrotoxicose factice. Rev Prat 23:923-39, 21 Feb 73 **(Fre)**
DIAGNOSIS, DIFFERENTIAL/ GOITER, EXOPHTHALMIC, chemically induced/ GOITER, EXOPHTHALMIC, diagnosis/ HYPERTHYROIDISM, chemically induced/ IODINE/ IODINE ISOTOPES, DIAGNOSTIC/ SPECIAL LIST FOREIGN

454. **Bricaire H, Mathieu de Fossey B, Joly J:** L'endocrinologie en 1973.
Rev Prat 23:825-63, 21 Feb 73 **(Fre)**
AMINOGLUTETHIMIDE, therapeutic use/ CHOLESTEROL/ ENDOCRINE DISEASES/ ENDOCRINOLOGY/ HORMONES, therapeutic use/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ IODINE ISOTOPES/ LH, secretion/ RECEPTORS, HORMONE/ SPECIAL LIST FOREIGN/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR

455. **Bricout PB, Kibler RS:** Métastases miliaires occultes d'épithéliomas thyroïdiens découvertes par la seule scintigraphie de routine à l'iode 131 (avec deux observations inédites.
Union Med Can 102:1061-3, May 73 **(Fre)**
*ADENOCARCINOMA, diagnosis/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ LUNG NEOPLASMS, diagnosis/ *LUNG NEOPLASMS, diagnosis/ MALE/ NEOPLASM METASTASIS/ *RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, diagnosis

456. **Briegel H, Freyvogel TA:** Non-specific esterases in several organs of Aedes aegypti (L.) during female adult life.
Comp Biochem Physiol [B] 44:371-80, 15 Feb 73
*AEDES, enzymology/ ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, enzymology/ CHOLINESTERASE, analysis/ ELECTROPHORESIS, DISK/ EPITHELIUM, enzymology/ *ESTERASES, analysis/ FEMALE/ GASTROINTESTINAL SYSTEM, enzymology/ GEL FILTRATION/ LARVA, enzymology/ MALPIGHIAN TUBULES, enzymology/ METAMORPHOSIS, BIOLOGICAL/ ORGAN SPECIFICITY/ OVARY, enzymology

457. **Briggs MH, Briggs M:** Metabolic effects of oral contraceptives. Br Med J 2:776, 30 Jun 73
*BLOOD PROTEINS, analysis/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ HUMAN/ MALE/ NORGESTREL, pharmacodynamics

458. **Briggs MH, Briggs M:** Hormonal influences on erythrocyte catechol-O-methyl transferase activity in humans. Experientia 29:278-80, 15 Mar 73
ANDROGENS, pharmacodynamics/ CATECHOL METHYLTRANSFERASE, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, blood/ DEPRESSION, enzymology/ *ERYTHROCYTES, enzymology/ ESTROGENS, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ LYNESTRENOL, pharmacodynamics/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ *METHYLTRANSFERASES, blood/ NORGESTREL, pharmacodynamics/ PREDNISONE, pharmacodynamics/ PREGNANCY/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, enzymology/ SEX FACTORS/ *SEX HORMONES, pharmacodynamics

459. **Briggs MH, Garcia-Webb P, Cheung T:** Androgens and exercise. Br Med J 3:49-50, 7 Jul 73
ADRENAL CORTEX HORMONES, blood/ *ANDROGENS, blood/ *EXERTION/ HUMAN/ IMMOBILIZATION/ MALE

460. **Briggs WA, Lazarus JM, Birtch AG, et al:** Hepatiti affecting hemodialysis and transplant patients. It considerations and consequences.
Arch Intern Med 132:21-8, Jul 73
ANTIBODIES, administration & dosage/ ANTILYMPHOCYTE SERUM, therapeutic use/ ASPARTATE AMINOTRANSFERASE, blood/ AUSTRALIA ANTIGEN, analysis/ AZATHIOPRINE, therapeutic use/ CADAVER/ CARRIER STATE, diagnosis/ GRAFT REJECTION/ *HEMODIALYSIS, adverse effects/ HEMODIALYSIS, HOME/ HEPATITIS, INFECTIOUS, diagnosis/ *HEPATITIS, INFECTIOUS, etiology/ HEPATITIS, INFECTIOUS, prevention & control/ HOSPITAL PERSONNEL/ HUMAN/ IMMUNOELECTROPHORESIS/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ KIDNEY, transplantation/ LIVER FUNCTION TESTS/ *POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ *TRANSPLANTATION, HOMOLOGOUS

461. **Briones DF, Rosenthal SH:** Changes in urinary fre catecholamines and 17-ketosteroids with cerebr electrotherapy (electrosleep).
Dis Nerv Syst 34:57-8, Jan 73
ADULT/ *CATECHOLAMINES, urine/ DEPRESSION, therapy/ DEPRESSION, urine/ *ELECTRONARCOSIS/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ NEUROSES, ANXIETY, therapy/ NEUROSES, ANXIETY, urine/ TIME FACTORS

462. **Brisman R, Mendell J:** Thromboembolism and bra tumors. J Neurosurg 38:337-8, Mar 73
AUTOPSY/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, physiopathology/ *CARCINOMA, EPIDERMOID complications/ CARCINOMA, EPIDERMOID, physiopathology/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, physiopathology/ HUMAN/ *HYPOTHALAMUS physiopathology/ *PINEALOMA, complications PINEALOMA, physiopathology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, physiopathology/ PULMONARY EMBOLISM, etiology/ RETROSPECTIVE STUDIES/ *SELLA TURCICA/ *THROMBOEMBOLISM, etiology/ THROMBOPHLEBITIS, etiology

463. **Broders AC 3d, Wilson JW:** Heparin: help or hindranc A commentary and review.
J Reprod Med 10:269-71, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD

COAGULATION DISORDERS, drug therapy/ BLOOD COAGULATION DISORDERS, etiology/ BLOOD PLATELETS, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ DOGS/ ENGLAND/ FEMALE/ HEPARIN, adverse effects/ HEPARIN, analysis/ HEPARIN, standards/ *HEPARIN, therapeutic use/ HUMAN/ MAST CELLS, drug effects/ MATERNAL MORTALITY/ MOLECULAR CONFORMATION/ PHARMACOPOEIAS/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, etiology/ PUERPERAL DISORDERS, drug therapy/ *THROMBOEMBOLISM, mortality/ THROMBOEMBOLISM, prevention & control/ UNITED STATES

4. **Brodsky I:** The role of androgens and anabolic steroids in the treatment of cancer.
Semin Drug Treat 3:15-25, Summer 73
ADENOCARCINOMA, drug therapy/ AGRANULOCYTOSIS, drug therapy/ *ANABOLIC STEROIDS, therapeutic use/ *ANDROGENS, therapeutic use/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BONE MARROW DISEASES, chemically induced/ BONE MARROW DISEASES, drug therapy/ BREAST NEOPLASMS, drug therapy/ CARCINOMA, EPIDERMOID, drug therapy/ CERVIX NEOPLASMS, drug therapy/ FEMALE/ FIBRINOLYSIS, drug effects/ HUMAN/ IMMUNITY, drug effects/ INTESTINAL NEOPLASMS, drug therapy/ LEUKOCYTE COUNT/ LIPOSARCOMA, drug therapy/ LYMPHOSARCOMA, drug therapy/ MALE/ MULTIPLE MYELOMA, drug therapy/ NANDROLONE, therapeutic use/ TESTOSTERONE, adverse effects

5. **Bromowicz J, Krawczykowa Z, Piórkowski J, et al:** Objawy oczne w guzach okolicy skrzyżowania wzrokowego.
Klin Oczna 43:257-60, Mar 73 (Pol)
*BRAIN NEOPLASMS, complications/ CHOLESTEATOMA, complications/ CRANIOPHARYNGIOMA, complications/ ENGLISH ABSTRACT/ *EYE MANIFESTATIONS/ HUMAN/ MENINGIOMA, complications/ *OPTIC CHIASM/ VISUAL ACUITY

6. **Bronner A, Salomon JM:** Le cristallin (1969-1970-1971.
Arch Ophtalmol (Paris) 32:665-86, Oct 72 (170 ref.) (Fre)
ANIMAL EXPERIMENTS/ CATARACT, etiology/ CATARACT EXTRACTION/ CHILD/ CONTACT LENSES/ CONTRACEPTIVES, ORAL, adverse effects/ CRYOGENIC SURGERY/ DRAINAGE/ EYE PROTEINS, analysis/ GALACTOSEMIA, complications/ GLAUCOMA, surgery/ HOMOCYSTINURIA, complications/ HUMAN/ *LENS, CRYSTALLINE/ LENS, CRYSTALLINE, analysis/ LENS, CRYSTALLINE, anatomy & histology/ LENS, CRYSTALLINE, embryology/ LENS, CRYSTALLINE, metabolism/ LENS, CRYSTALLINE, surgery/ MEASLES, complications/ MIOTICS, adverse effects/ REVIEW/ ULTRASONIC THERAPY

7. **Bronshtein ME, Zairat'iants VB, Zelenetskaia VS, et al:** O nekotorykh osobennostiakh stroeniia iaichnikov i urovne ekskretsii polobykh steroidov s nochoi u zelenykh martyshek vervet (Cercopithecus aethiops pygerythrus.
Arkh Anat Gistol Embriol 64:88-93, Mar 73 (Rus)
ADAPTATION, PHYSIOLOGICAL/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ ESTRONE, urine/ FEMALE/ FLUOROMETRY/ 17-HYDROXYCORTICOSTEROIDS, urine/ KENYA/ 17-KETOSTEROIDS, urine/ *MONKEYS/ MOSCOW/ *OVARY, anatomy & histology/ PREGNANCY/ *SEX HORMONES, urine

8. **Bronson FH:** Establishment of social rank among grouped male mice: relative effects on circulating FSH, LH, and corticosterone.
Physiol Behav 10:947-51, May 73
ADRENAL GLANDS, physiology/ AGGRESSION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *CORTICOSTERONE, blood/ *FSH, blood/ HOUSING, ANIMAL/ LH, blood/ MALE/ MICE/ ORGAN WEIGHT/ PENIS, anatomy & histology/ PITUITARY GLAND, physiology/ SEMINAL VESICLES, anatomy & histology/ *SOCIAL DOMINANCE

469. **Bronson FH, Stetson MH, Stiff ME:** Serum FSH and LH in male mice following aggressive and nonaggressive interaction. Physiol Behav 10:369-72, Feb 73
ADRENAL GLANDS, anatomy & histology/ *AGGRESSION/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ FSH, analysis/ *FSH, blood/ FSH, secretion/ LH, analysis/ *LH, blood/ LH, secretion/ MALE/ MICE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PITUITARY GLAND, secretion/ SEMINAL VESICLES, anatomy & histology/ *SOCIAL BEHAVIOR/ SOCIAL DOMINANCE

470. **Bronson NR 2d:** Recent developments in diagnostic ultrasound. Trans Ophthalmol Soc UK 92:149-59, 1972
CATARACT, diagnosis/ *EYE DISEASES, diagnosis/ EYE FOREIGN BODIES/ EYE NEOPLASMS, diagnosis/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MELANOMA, diagnosis/ METHODS/ RETINAL DETACHMENT, diagnosis/ RETINAL HEMORRHAGE, diagnosis/ TRANSDUCERS/ *ULTRASONICS, diagnostic use/ UVEITIS, diagnosis

471. **Brooker G:** High-pressure anion exchange chromatography and enzymatic isotope displacement assays for cyclic AMP and cyclic GMP.
Adv Cyclic Nucleotide Res 2:111-29, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ FROGS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ KINETICS/ MALE/ METHODS/ MYOCARDIUM, analysis/ PERFUSION/ PHOSPHODIESTERASES/ PHOSPHORUS ISOTOPES/ PRESSURE/ RATS/ TRITIUM

472. **Brooks JC, Siegel FL:** Purification of a calcium-binding phosphoprotein from beef adrenal medulla. Identity with one of two calcium-binding proteins of brain.
J Biol Chem 248:4189-93, 25 Jun 73
*ADRENAL MEDULLA, analysis/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CALCIUM/ CALCIUM ISOTOPES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COLD/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS/ NERVE TISSUE PROTEINS, isolation & purification/ ORGAN SPECIFICITY/ PEPTIDES, analysis/ PHOSPHOPROTEINS, analysis/ *PHOSPHOPROTEINS, isolation & purification/ PROTEIN BINDING/ SODIUM DODECYL SULFATE/ TIME FACTORS/ TRYPSIN/ ULTRACENTRIFUGATION

473. **Brooks MH, Dumlao JS, Bronsky D, et al:** Hypophysial tuberculoma with hypopituitarism.
Am J Med 54:777-81, Jun 73
ADENOMA, diagnosis/ ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ AUTOPSY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPOPITUITARISM, diagnosis/ *HYPOPITUITARISM, etiology/ HYPOPITUITARISM, pathology/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY DISEASES, complications/ PITUITARY NEOPLASMS, diagnosis/ SELLA TURCICA, radiography/ *TUBERCULOMA, complications/ TUBERCULOMA, diagnosis/ TUBERCULOMA, drug therapy/

LIBRARY U. OF I., URBANA-CHAMPAIGN

TUBERCULOMA, pathology/ *TUBERCULOSIS, ENDOCRINE, complications

474. **Brooksbank BW, Wilson DA, Gustafsson JA:** The metabolism in vivo 4,16-androstadien-3-one in man. Occurrence of 16-dehydro C 19 steroids, androstane-3,16,17-triols and other metabolites in urine. Steroids Lipids Res 3:263-85, 1972
ACETYLATION/ ADULT/ ANDROSTENES, isolation & purification/ *ANDROSTENES, metabolism/ ANDROSTENES, urine/ AUTORADIOGRAPHY/ BOROHYDRIDES/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLUCURONATES/ HUMAN/ HYDROLYSIS/ HYDROXYLATION/ MALE/ MASS SPECTRUM ANALYSIS/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ SOLVENTS/ SULFATES/ TIME FACTORS/ TRITIUM

475. **Brotherton J, Harcus AW:** Effect of oral cyproterone acetate on urinary FSH and LH levels in adult males being treated for hypersexuality.
J Reprod Fertil 33:256-7, May 73
ADULT/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, therapeutic use/ *FSH, urine/ HUMAN/ *LH, urine/ *LIBIDO, drug effects/ MALE/ MIDDLE AGE/ *PREGNADIENES, therapeutic use/ RADIOIMMUNOASSAY/ SPERMATOGENESIS, drug effects

476. **Brown BL, Ekins RP, Albano JD:** Saturation assay for cyclic AMP using endogenous binding protein.
Adv Cyclic Nucleotide Res 2:25-40, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ DIET/ FASTING/ HUMAN/ KINETICS/ LIVER, analysis/ MATHEMATICS/ METHODS/ PHOSPHODIESTERASES/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM

477. **Brown CB, Clarkson AR, Robson JS, et al:** Haemolytic uraemic syndrome in women taking oral contraceptives. Lancet 1:1479-81, 30 Jun 73
ADULT/ AGED/ *ANEMIA, HEMOLYTIC, ACQUIRED, chemically induced/ BLOOD COAGULATION DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HEMOLYTIC-UREMIC SYNDROME, chem synthesis/ HUMAN/ MIDDLE AGE/ PREGNANCY/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, etiology/ THROMBOEMBOLISM, complications/ *UREMIA, chemically induced

478. **Brown DJ, Stone WE:** Effects of convulsants on cortical adenosine triphosphatases.
J Neurochem 20:1461-7, May 73
*ADENOSINE TRIPHOSPHATASE/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ALKALOIDS, pharmacodynamics/ AMINES, pharmacodynamics/ *ANALEPTICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, enzymology/ DOGS/ DRUG COMBINATIONS, pharmacodynamics/ ENZYME ACTIVATION/ ETHACRYNIC ACID, pharmacodynamics/ FLUOROACETATES, pharmacodynamics/ IN VITRO/ INDOLES, pharmacodynamics/ MERCURY, pharmacodynamics/ MESCALINE, pharmacodynamics/ METHIONINE SULFOXIMINE, pharmacodynamics/ ORGANOMETALLIC COMPOUNDS, pharmacodynamics/ PENTYLENETETRAZOLE, pharmacodynamics/ PICROTOXIN, pharmacodynamics/ SUCCINATES, pharmacodynamics/ SUCCINYLCHOLINE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ THIOUREA, pharmacodynamics/ TUBOCURARINE, pharmacodynamics

479. **Brown EM, Smiler BG, Plaza JA:** Cardiovascular effe of pancuronium. Anesthesiology 38:597-9, Jun
ADULT/ *ANDROSTANES, pharmacodynamic ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPU drug effects/ *CARDIOVASCULAR SYSTEM drug effects/ *CURARE-LIKE AGENTS, pharmacodynamics/ EXTRACORPOREAL CIRCULATION/ HEART RATE, drug effect HEART SURGERY/ HUMAN/ INTUBATION, INTRATRACHEAL/ NEOSTIGMINE, pharmacodynamics/ PANCURONIUM, antagonists & inhibitors/ PANCURONIUM, pharmacodynamics/ PREMEDICATION/ THIAMYLAL, pharmacodynamics/ VASCULA RESISTANCE, drug effects

480. **Brown JC, Cook MA, Dryburgh JR:** Motilin, a gas motor activity stimulating polypeptide: the compl amino acid sequence. Can J Biochem 51:533-7, Ma
AMINO ACID SEQUENCE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ ELECTROPHORESI PAPER/ *GASTROINTESTINAL HORMONES analysis/ HYDROCHLORIC ACID/ HYDROLYSIS/ MOLECULAR WEIGHT/ *PEPTIDES, analysis/ PEPTIDES, isolation purification/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN

481. **Brown JN, Smith TM:** Effects of Schistosoma man infection on induction of tryptophan oxygenas mouse livers.
Comp Biochem Physiol [B] 45:487-9, 15 Jun
ANIMAL EXPERIMENTS/ ENZYME INDUCTION/ HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MICE/ SCHISTOSOMA MANSONI/ *SCHISTOSOMIASIS, enzymology/ *TRYPTOPHAN OXYGENASE, biosynthesis

482. **Brown PS, Brown SC:** Prolactin and thyroid horm interactions in salt and water balance in the n Notophthalmus viridescens.
Gen Comp Endocrinol 20:455-66, Jun 73
ANIMAL EXPERIMENTS/ CORTICOSTERO pharmacodynamics/ HYPOPHYSECTOMY/ PERMEABILITY/ *PROLACTIN, pharmacodynamics/ *SALAMANDERS, physiology/ SKIN, metabolism/ SODIUM, blood/ SODIUM, urine/ *THYROXINE, pharmacodynamics/ *WATER-ELECTROLYT BALANCE, drug effects

483. **Brown RM, Mendis U:** Retinal arteritis complica herpes zoster ophthalmicus.
Br J Ophthalmol 57:344-6, May 73
ACETAZOLAMIDE, therapeutic use/ *ARTERITIS, complications/ ARTERITIS, d therapy/ ATROPINE, therapeutic use/ FEMALE/ FLUORESCENCE ANGIOGRAPH FUNDUS OCULI/ *HERPES ZOSTER, OCULAR, complications/ HUMAN/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ *RETINAL ARTERY/ UVEITIS, complicatio

484. **(Browne JS):** Citation of the Distinguished Leade Award of The Endocrine Society for 1973 to John Browne, M.D. J Clin Endocrinol Metab 37:167-9, J
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ QUEBEC

485. **(Browne JS):** Citation of the Distinguished Leade Award of The Endocrine Society for 1973 to John Browne, M.D. Endocrinology 93:264-6, Jul 7
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ QUEBEC/ *SOCIETIES, SCIENTIFIC

486. **Brozović M, Gurd LJ:** Prothrombin during war treatment. Br J Haematol 24:579-88, May 7

BLOOD COAGULATION DISORDERS, drug therapy/ HUMAN/ IMMUNOELECTROPHORESIS/ MYOCARDIAL INFARCT, drug therapy/ PHENYLBUTAZONE, therapeutic use/ PREDNISONE, therapeutic use/ *PROTHROMBIN, analysis/ PROTHROMBIN TIME/ THROMBOPHLEBITIS, drug therapy/ TIME FACTORS/ WARFARIN, administration & dosage/ *WARFARIN, therapeutic use

37. **Bruder ML, Vigilante M:** Ectopic pregnancy after total hysterectomy. Obstet Gynecol 41:891-3, Jun 73
ADULT/ FALLOPIAN TUBES/ FALLOPIAN TUBES, surgery/ FEMALE/ FERTILIZATION/ HUMAN/ *HYSTERECTOMY/ OVARY, surgery/ *POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ *PREGNANCY, ECTOPIC/ RUPTURE, SPONTANEOUS/ TIME FACTORS

38. **Brummer HC, Gillespie A:** Seminal prostaglandins and fertility. Clin Endocrinol (Oxf) 1:363-8, Oct 72
HUMAN/ MALE/ *PROSTAGLANDINS, analysis/ *SEMEN, analysis/ SPECTROPHOTOMETRY/ SPERMATOZOA, analysis/ *STERILITY, MALE, diagnosis

39. **Brun del Re R, Del Pozo E, De Grandi P, et al:** Prolactin inhibition and suppression of puerperal lactation by a Br-erocryptine (CB 154). A comparison with estrogen. Obstet Gynecol 41:884-90, Jun 73
BREAST FEEDING/ BROMINE, therapeutic use/ COMPARATIVE STUDY/ *ERGOT ALKALOIDS, therapeutic use/ *ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *LACTATION, drug effects/ MILK, HUMAN, secretion/ PREGNANCY/ *PROLACTIN, antagonists & inhibitors/ PROLACTIN, blood/ *PUERPERIUM/ RADIOIMMUNOASSAY/ TIME FACTORS

40. **Brune J, Rousset H, Wiesendanger T, et al:** Deux observations anatomo-cliniques d'embolies pulmonaires récidivantes subaiguës mortelles chez la jeune femme. Discussion du rôle des anovulatoires oestro-progestatifs. Rev Tuberc Pneumol (Paris) 36:934-43, Sep-Oct 72 (Fre)
ACUTE DISEASE/ ADULT/ AGE FACTORS/ ANGIOGRAPHY/ AUTOPSY/ BLOOD GAS ANALYSIS/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PULMONARY EMBOLISM, chemically induced/ PULMONARY EMBOLISM, complications/ PULMONARY EMBOLISM, diagnosis/ *PULMONARY EMBOLISM, etiology/ PULMONARY EMBOLISM, pathology/ PULMONARY EMBOLISM, radiography/ *PULMONARY HEART DISEASE, etiology/ RECURRENCE/ THROMBOEMBOLISM, etiology

41. **Brunette MG:** La physiologie rénale du phosphore. Union Med Can 101:2669-71, Dec 72 (Fre)
ABSORPTION/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY, metabolism/ KIDNEY GLOMERULUS, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, physiology/ *PHOSPHORUS, metabolism

42. **Brunk SF, Combs SP, Miller JD, et al:** Effects of liothyronine-induced hypermetabolism on dipyrone metabolism in man. J Clin Pharmacol 13:210-3, May-Jun 73
ALKYL SULFONATES, administration & dosage/ ALKYL SULFONATES, blood/ *ALKYL SULFONATES, metabolism/ ALKYL SULFONATES, urine/ AMINOPYRINE N-DEMETHYLASE, metabolism/ ANTIPYRINE, administration & dosage/ ANTIPYRINE, blood/ *ANTIPYRINE, metabolism/ ANTIPYRINE, urine/ DEALKYLATION/ HUMAN/ INFORMED CONSENT/ KINETICS/ MALE/ METHYLAMINES, administration & dosage/ METHYLAMINES, blood/ METHYLAMINES, urine/ *MICROSOMES, LIVER, enzymology/ STATISTICS/ TIME FACTORS/ *TRIIODOTHYRONINE, pharmacodynamics

493. **Brunner HR, Sealey JE, Laragh JH:** Renin subgroups in essential hypertension. Further analysis of their pathophysiological and epidemiological characteristics. Circ Res 32:Suppl 1:99-105, 5 May 73
ADMINISTRATION, ORAL/ ADULT/ AGE FACTORS/ AGED/ ALDOSTERONE, urine/ BICARBONATES, blood/ BLOOD UREA NITROGEN/ DIET/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, classification/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ POTASSIUM, urine/ RADIOIMMUNOASSAY/ *RENIN, blood/ SEX FACTORS/ SODIUM, blood/ SODIUM, urine/ SODIUM CHLORIDE, administration & dosage

494. **Bruton J, Li TK, Smith GD:** Comparison of results by four different procedures for determination of 17-hydroxycorticosteroids. Clin Chem 19:748-52, Jul 73
BINDING, COMPETITIVE/ BLOOD PROTEINS/ COLORIMETRY/ COMPARATIVE STUDY/ *ENDOCRINE DISEASES, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ METYRAPONE, pharmacodynamics/ METYRAPONE, therapeutic use/ PROTEIN BINDING/ RADIOCHEMISTRY/ TRANSCORTIN/ TRITIUM

495. **Bryant BJ, Adler HE, Cordy DR, et al:** The avian bursa-independent humoral immune system: serologic and morphologic studies. Eur J Immunol 3:9-15, Jan 73
AGGLUTININS, analysis/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ *ANTIGENS/ ANTIGENS, BACTERIAL/ BURSA OF FABRICIUS, drug effects/ *BURSA OF FABRICIUS, immunology/ CHICK EMBRYO/ CLOACA, immunology/ ERYTHROCYTES, immunology/ HEMAGGLUTINATION/ LYMPHOCYTES, immunology/ MYCOPLASMA, immunology/ SHEEP, immunology/ SPLEEN, immunology/ TESTOSTERONE/ THYMUS GLAND, immunology

496. **Bubenik GA:** Volume changes in the cell nuclei of the ventromedial nucleus of the rabbit following hemorrhage. Experientia 29:429-30, 15 Apr 73
ANIMAL EXPERIMENTS/ *CELL NUCLEUS/ CEREBELLAR CORTEX, pathology/ CEREBELLAR NUCLEI, pathology/ *CEREBRAL HEMORRHAGE, pathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, pathology/ KARYOMETRY/ PITUITARY-ADRENAL SYSTEM/ RABBITS

497. **Bublitz C:** Effects of lipids on cyclic-nucleotide phosphodiesterases. Biochem Biophys Res Commun 52:173-80, 1 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARBON ISOTOPES/ CATTLE/ CEPHALINS, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ GEL FILTRATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ KINETICS/ LECITHINS, pharmacodynamics/ LYSOLECITHIN, pharmacodynamics/ *PHOSPHODIESTERASES/ PHOSPHOINOSITIDES, pharmacodynamics/ *PHOSPHOLIPIDS, pharmacodynamics/ POLYSACCHARIDES/ RATS/ SPHINGOMYELINS, pharmacodynamics/ TRITIUM

498. **Buckland RW, Avery AF:** Histamine release following pancuronium. A case report. Br J Anaesth 45:518-21, May 73
ADULT/ AMINOPHYLLINE, therapeutic use/ *ANDROSTANES, adverse effects/ BLOOD PRESSURE, drug effects/ BRONCHIAL SPASM, chemically induced/ BRONCHIAL SPASM, drug therapy/ CASE REPORT/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*CURARE-LIKE AGENTS, adverse effects/ FEMALE/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ PANCURONIUM, adverse effects/ PULSE, drug effects/ SKIN TESTS

499. **Budhraja SN, Perianayagam WJ:** Cryosurgery.
Indian J Med Sci 27:343-6, Apr 73
BODY FLUIDS, metabolism/ CELL MEMBRANE/ COLD/ *CRYOGENIC SURGERY/ CRYSTALLIZATION/ EYE DISEASES, surgery/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ ISCHEMIA, etiology/ MALE/ OTORHINOLARYNGOLOGIC DISEASES, surgery/ SKIN NEOPLASMS, surgery/ UROGENITAL NEOPLASMS, surgery

500. **Buettner MJ, Spitz E, Rickenberg HV:** Cyclic adenosine 3',5'-monophosphate in Escherichia coli.
J Bacteriol 114:1068-73, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BACTERIAL PROTEINS, metabolism/ CULTURE MEDIA/ ENZYME REPRESSION/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ GLUCOSE, metabolism/ PHOSPHODIESTERASES, metabolism/ PROTEIN BINDING/ TIME FACTORS

501. **Bühler EM, Tsuchimoto T, Stalder GR:** Reverse banding in the human Y chromosome.
Lancet 1:1178-9, 26 May 73
HUMAN/ *KARYOTYPING/ MALE/ MITOSIS/ *SEX CHROMOSOMES/ STAINS AND STAINING/ TRYPSIN, pharmacodynamics

502. **Bulatov PK, Uspenskaia EP:** Bronkhial'naia asthma.
Ter Arkh 45:24-9, Mar 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ *ASTHMA/ ASTHMA, drug therapy/ ASTHMA, etiology/ ASTHMA, immunology/ HUMAN

503. **Buletsa BA, Onipko VA:** Diagnosticheskoe znachenie nekotorykh funktsional'nykh reaktsii kozhi litsa u bol'nykh s opukholiami golovnogo mozga.
Vopr Neirokhir 37:59-61, Mar-Apr 73 (Rus)
*BRAIN NEOPLASMS, diagnosis/ CALORIMETRY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FACE/ GALVANIC SKIN RESPONSE/ HUMAN/ HYDROCEPHALUS, diagnosis/ JACKSONIAN SEIZURE, diagnosis/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS, diagnosis/ *SKIN, physiopathology/ SKIN TEMPERATURE/ SWEATING

504. **Bull AB, Harrison GG:** Recent advances in the understanding of anaesthetic-induced malignant hyperpyrexia.
Acta Anaesthesiol Belg 24:97-108, May 73
ACIDOSIS, drug therapy/ *ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ COLD/ DISEASE MODELS, ANIMAL/ ELECTROLYTES, blood/ ENZYMES, blood/ FROGS/ *HALOTHANE, adverse effects/ HALOTHANE, pharmacodynamics/ *MALIGNANT HYPERTHERMIA, chemically induced/ MANNITOL, pharmacodynamics/ MUSCLES, drug effects/ PROCAINE, pharmacodynamics/ RATS/ SARCOPLASMIC RETICULUM, metabolism/ SUCCINYLCHOLINE, pharmacodynamics/ SWINE/ TROMETHAMINE, pharmacodynamics

505. **Bullock DW, Kappauf BH:** Dissociation of gonadotropin-induced ovulation and steroidogenesis in immature rats. Endocrinology 92:1625-8, Jun 73
*AMINOGLUTETHIMIDE, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEEDBACK/ FEMALE/ GONADOTROPINS, CHORIONIC, antagonists & inhibitors/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ 17-KETOSTEROIDS, pharmacodynamics/ NITRILES, pharmacodynamics/ *OVULATION, drug effects/ PROGESTERONE, biosynthesis/ *PROGESTERONE, blood/ RATS

506. **Bullock LP, Bardin CW:** In vivo and in vitro testosterone metabolism by the androgen insensitive rat. J Steroid Biochem 4:139-51, Mar 73
ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYTOPLASM, metabolism/ FEMALE/ GENITALIA, cytology/ GENITALIA, metabolism/ LIVER, cytology/ LIVER, metabolism/ MALE/ PROSTATE, cytology/ PROSTATE, metabolism/ PSEUDOHERMAPHRODITISM, familial & genetic/ *PSEUDOHERMAPHRODITISM, metabolism/ RATS/ RECEPTORS, HORMONE/ STANOLONE, biosynthesis/ STANOLONE, metabolism/ TESTIS, physiology/ *TESTOSTERONE, metabolism/ TRITIUM

507. **Bulygin IA, Reprintseva VM:** The changes in noradrenaline in sympathetic ganglia and in the blood under reflex and humoral influences.
Acta Physiol Pol 24:149-55, Jan-Feb 73
ANIMAL EXPERIMENTS/ AUTONOMIC FIBERS, PREGANGLIONIC/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ CORTICOTROPIN/ blood/ DOGS/ ELECTRIC STIMULATION/ EPINEPHRINE, metabolism/ *GANGLIA, AUTONOMIC, metabolism/ HYPOTHALAMUS, metabolism/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ NEURONS, AFFERENT/ *NOREPINEPHRINE, metabolism/ PROPRIOCEPTION/ *REFLEX, SYMPATHETIC NERVOUS SYSTEM

508. **Buneaux JJ, Gounelle JC:** Influence of calcium, somatotropin on D-xylose uptake by the isolated diaphragm of hypophysectomized rats.
Horm Metab Res 5:113-8, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, pharmacodynamics/ *CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CHELATING AGENTS, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIAPHRAGM/ HYPOPHYSECTOMY/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ MALE/ *MUSCLES, metabolism/ PITUITARY GLAND, physiology/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ *XYLOSE, metabolism

509. **Burch RE, Williams RV, Sullivan JF:** Effect of beer, and thiamine-deficient diets in pig
Am J Clin Nutr 26:403-8, Apr 73
ALANINE AMINOTRANSFERASE, blood/ ALCOHOL DRINKING/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ASPARTATE AMINOTRANSFERASE, blo BEER/ *BEER, adverse effects/ BODY WEIGHT/ CALCIUM, metabolism/ COBA COBALT, metabolism/ *COBALT, pharmacodynamics/ HEART, anatomy & histology/ HEART DISEASES, chemically induced/ HEART DISEASES, etiology/ LACTATE DEHYDROGENASE, blood/ L anatomy & histology/ MAGNESIUM, metabolism/ MALE/ ORGAN WEIGHT/ SWINE/ THIAMINE DEFICIENCY, complications/ *THIAMINE DEFICIENCY metabolism/ ZINC, metabolism

510. **Burcharth F, Castberg T, Vibe-Hansen H:** hyperparathyroidism.
Acta Chir Scand [Suppl] 433:169-77, 1973 (
ACUTE DISEASE/ ADULT/ AGED/ CA blood/ CHRONIC DISEASE/ DIAGNOSIS DIFFERENTIAL/ FEMALE/ HUMAN/ HYDROCORTISONE, diagnostic use/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, complication

HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, diagnosis/ HYPERTHYROIDISM, surgery/ KIDNEY CALCULI, etiology/ KIDNEY DISEASES, etiology/ MALE/ MIDDLE AGE/ NEPHROCALCINOSIS, etiology/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, therapy/ PROGNOSIS/ REVIEW/ SEX FACTORS/ THYROCALCITONIN, therapeutic use

11. **Burcharth F, Vibe-Hansen H:** Problems in acute hyperparathyroidism. Br J Surg 60:361-3, May 73
ACUTE DISEASE/ ADENOMA, complications/ ADENOMA, surgery/ ADULT/ AGED/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery

12. **Burdick KH, Haleblian JK, Poulsen BJ, et al:** Corticosteroid ointments: comparison by two human bioassays. Curr Ther Res 15:233-42, May 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ *ADRENAL CORTEX HORMONES, therapeutic use/ BIOPHARMACEUTICS/ COMPARATIVE STUDY/ ERYTHEMA, drug therapy/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ HUMAN/ OINTMENTS, analysis/ RADIATION INJURIES, drug therapy/ TIME FACTORS/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ ULTRAVIOLET RAYS, adverse effects/ VASOCONSTRICTOR AGENTS, pharmacodynamics

13. **Bureau JP, Ritter J, Bonhomme JS:** Les anomalies du colpocytogramme au cours des anémies par carence en acide folique.
Nouv Presse Med 2:1661-3, 16 Jun 73 (Fre)
ANEMIA, MACROCYTIC, diagnosis/ *ANEMIA, MACROCYTIC, pathology/ ANEMIA, SIDEROBLASTIC, diagnosis/ ANEMIA, SIDEROBLASTIC, etiology/ *ANEMIA, SIDEROBLASTIC, pathology/ BLOOD CELL COUNT/ CELL NUCLEUS/ FEMALE/ FOLIC ACID DEFICIENCY, complications/ FOLIC ACID DEFICIENCY, diagnosis/ *FOLIC ACID DEFICIENCY, pathology/ HEMATOCRIT/ HUMAN/ METHOTREXATE, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS/ TROPHOBLASTIC TUMOR, drug therapy/ TROPHOBLASTIC TUMOR, pathology/ VAGINAL SMEARS

14. **Bürger D, Badelt R:** Die lokale Behandlung von Weichteilödemen und Hämatomen nach Unfällen.
Z Allgemeinmed 48:1304-5, 10 Oct 72 (Ger)
ACCIDENTS/ *ADRENAL CORTEX HORMONES, therapeutic use/ DRUG COMBINATIONS/ *EDEMA, drug therapy/ FEMALE/ GELS/ *HEMATOMA, drug therapy/ HUMAN/ MALE/ MUCOPOLYSACCHARIDES, therapeutic use/ SALICYLATES, therapeutic use/ WOUNDS AND INJURIES, drug therapy

15. **Burgess AW, Momany FA, Scheraga HA:** Conformational analysis of thyrotropin releasing factor.
Proc Natl Acad Sci USA 70:1456-60, May 73 (31 ref.)
BINDING SITES/ CHEMISTRY/ CRYSTALLOGRAPHY/ GLUTAMATES/ HISTIDINE/ ISOMERISM/ MOLECULAR CONFORMATION/ PROLINE/ PROTONS/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROTROPIN RELEASING FACTOR, analysis

16. **Burgess I:** Unusual features of scabies associated with topical fluorinated steroids.
Br J Dermatol 88:519-20, May 73
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ *SCABIES, drug therapy

17. **Burgus R, Ling N, Butcher M, et al:** Primary structure of somatostatin, a hypothalamic peptide that inhibits the secretion of pituitary growth hormone.
Proc Natl Acad Sci USA 70:684-8, Mar 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ CHYMOTRYPSIN/ *HYPOTHALAMUS/ MASS SPECTRUM ANALYSIS/ *PEPTIDES/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PRECIPITATION/ SHEEP/ SOMATOTROPIN, antagonists & inhibitors/ *SOMATOTROPIN, secretion/ *TISSUE EXTRACTS/ TISSUE EXTRACTS, pharmacodynamics/ TRYPSIN

18. **Burke G:** Circulating inhibitor of LATS: a bioassay artefact. J Clin Endocrinol Metab 36:1244-50, Jun 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ IGG/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, antagonists & inhibitors/ METHODS/ MICE/ SERUM ALBUMIN

19. **Burke G, Chang LL, Szabo M:** Thyrotropin and cyclic nucleotide effects on prostaglandin levels in isolated thyroid cells. Science 180:872-5, 25 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ DRUG SYNERGISM/ IN VITRO/ METHYL ETHER, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PROSTAGLANDINS, analysis/ QUINAZOLINES, pharmacodynamics/ RADIOIMMUNOASSAY/ THEOPHYLLINE, pharmacodynamics/ THYROID GLAND, analysis/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ *THYROTROPIN, pharmacodynamics

20. **Burke GT, Redman CM:** The distribution of radioactive peptides synthesized by polysomes and ribosomal subunits combined in vitro with microsomal membranes.
Biochim Biophys Acta 299:312-24, 19 Mar 73
AMINO ACID ACTIVATION/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CHELATING AGENTS, pharmacodynamics/ ENDOPLASMIC RETICULUM, metabolism/ ESTRADIOL, pharmacodynamics/ KINETICS/ LIVER, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ *MEMBRANES, metabolism/ *MICROSOMES, LIVER, metabolism/ *PEPTIDES, biosynthesis/ POLY U, pharmacodynamics/ *POLYRIBOSOMES, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN BINDING/ PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RATS/ *RIBOSOMES, metabolism/ TIME FACTORS

21. **Burke RK, Lundy LE, Sisson TR, et al:** Pulmonary surfactant. Is the fetal adrenal necessary?
Obstet Gynecol 41:833-6, Jun 73
ADRENAL GLANDS, abnormalities/ ADRENAL GLANDS, embryology/ *ADRENAL GLANDS, metabolism/ AMNIOTIC FLUID, analysis/ *ANENCEPHALUS, metabolism/ CORTICOTROPIN, diagnostic use/ ESTRIOL, urine/ FEMALE/ *FETUS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ LECITHINS, analysis/ LECITHINS, biosynthesis/ MALE/ PREGNANCY/ *PULMONARY SURFACTANT, biosynthesis/ SPHINGOMYELINS, analysis/ SPHINGOMYELINS, biosynthesis

22. **Burks TF:** Mediation by 5-hydroxytryptamine of morphine stimulant actions in dog intestine.
J Pharmacol Exp Ther 185:530-9, Jun 73
ACETYLCHOLINE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BETHANECHOL

LIBRARY U. OF I., URBANA-CHAMPAIGN

COMPOUNDS, pharmacodynamics/ CYPROHEPTADINE, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ IN VITRO/ *INTESTINES, drug effects/ *MORPHINE, pharmacodynamics/ NICOTINE, pharmacodynamics/ PIPERAZINES, pharmacodynamics/ RESERPINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ TIME FACTORS

523. **Burn JM, Guyer PB, Langdon L:** The spread of solutions injected into the epidural space. A study using epidurograms in patients with the lumbosciatic syndrome. Br J Anaesth 45:338-45, Apr 73
ADULT/ AGE FACTORS/ AGED/ *ANESTHESIA, EPIDURAL/ *BACKACHE, drug therapy/ BACKACHE, radiography/ BODY HEIGHT/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ LIDOCAINE, administration & dosage/ LUMBAR VERTEBRAE/ MALE/ METHODS/ MIDDLE AGE/ MYELOGRAPHY/ POSTURE/ PREDNISOLONE, administration & dosage

524. **Burnea D, Galbenu P, Daniello I, et al:** Aspecte clinice morfologice, radiologice şi terapeutice în sarcoidoza pulmonară.
Ftiziologia 22:277-88, May-Jun 73 **(Rum)**
ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ HUMAN/ *LUNG DISEASES/ LUNG DISEASES, pathology/ MEDIASTINAL DISEASES/ RESPIRATORY FUNCTION TESTS/ *SIDEROSIS/ SIDEROSIS, diagnosis/ SIDEROSIS, drug therapy/ SIDEROSIS, pathology/ THORACIC RADIOGRAPHY

525. **Burov IuV, Kurochkin IG:** O vozmozhnom uchastii N-kholinoreaktivnykh struktur mozga koski v osushchestvlenii reaktsii larosti.
Zh Vyssh Nerv Deiat 22:1311-3, Nov-Dec 72 **(Rus)**
ACETYLCHOLINE, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ *ANGER/ ANGER, drug effects/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ BENACTYZINE, pharmacodynamics/ BRAIN, drug effects/ *BRAIN, physiology/ CATS/ DOPA, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PARASYMPATHOLYTICS, pharmacodynamics/ PROPIONATES, pharmacodynamics/ SEROTONIN, pharmacodynamics

526. **Burrow GN:** The thyroid gland in pregnancy.
Major Probl Obstet Gynecol 3:1-138, 1972
CRETINISM, congenital/ ENVIRONMENTAL EXPOSURE/ FEMALE/ FETUS, physiology/ FETUS, radiation effects/ GOITER/ HUMAN/ HYPERTHYROIDISM/ HYPERTHYROIDISM, congenital/ HYPOTHYROIDISM/ HYPOTHYROIDISM, congenital/ INFANT, NEWBORN/ IODINE ISOTOPES, metabolism/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ *PREGNANCY COMPLICATIONS/ RADIATION EFFECTS/ *THYROID DISEASES/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS/ THYROIDITIS/ THYROXINE, metabolism

527. **Burry HC:** Bacteriuria in rheumatoid arthritis.
Ann Rheum Dis 32:208-11, May 73
*ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, microbiology/ *BACTERIURIA, complications/ CREATININE, urine/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ SEX FACTORS/ UREA, blood

528. **Busch C, Saldeen T:** Amount of fibrin in different organs after intravenous, intraportal and intraaort injection of thrombin in the rat.
Thromb Diath Haemorrh 29:87-93, 28 Feb 73
ANIMAL EXPERIMENTS/ AORTA/ BRAIN CHEMISTRY/ FEMALE/ *FIBRIN, analysis/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ INTESTINE, SMALL, analysis/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ METHODS/ MUSCLES, analysis/ MYOCARDIUM, analysis/ PITUITARY GLAND, analysis/ PORTAL VEIN/ RATS/ SERUM ALBUMIN, RADIO-IODINATED/ SPLEEN, analysis/ *THROMBIN, administration & dosage

529. **Bush DF, Lovely RH, Pagano RR:** Injection of AC induces recovery from shuttle-box avoidance defic in rats with amygdaloid lesions.
J Comp Physiol Psychol 83:168-72, Apr 73
ACOUSTIC STIMULATION/ ADRENAL GLANDS, physiology/ *AMYGDALOID BODY physiology/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING, drug effects/ *CONDITIONING, CLASSICAL/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, secretion/ ELECTROSHOCK/ EXTINCTION (PSYCHOLOGY)/ FEAR, drug effects/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ PITUITARY-ADRENAL SYSTEM/ PITUITAR GLAND, physiology/ RATS

530. **Buslovich SIu, Koldobskaia FD:** Aktivnost' geksokin skeletnoĭ myshtsy belkh krys pri éksperimental miotonii.
Vopr Med Khim 18:403-6, Jul-Aug 72 **(R**
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *DESOXYCORTICOSTERON therapeutic use/ 2,4-DICHLOROPHENOXYACETIC ACID/ ENGLISH ABSTRACT/ *HEXOKINASE, metabolism/ *HYDROCORTISONE, therapeu use/ MALE/ *MUSCLES, enzymology/ MYOTONIA, chem synthesis/ MYOTONIA, drug therapy/ *MYOTONIA, enzymology/ MYOTONIA, therapy/ RATS

531. **Butcher LL, Dietrich AP:** Effects on shock-elic aggression in mice of preferentially protecting b monoamines against the depleting action of reserp Naunyn Schmiedebergs Arch Pharmacol 227:6 1973
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, dr effects/ *BRAIN, metabolism/ CATECHOLAMINES/ DOPA, physiology/ DOPAMINE, physiology/ ELECTROSHOCK/ MALE/ MOTOR ACTIVITY, drug effects/ NEURAL TRANSMISSION/ NOREPINEPHR physiology/ *RESERPINE, pharmacodynami SEROTONIN, physiology

532. **Butculescu I, Ciontescu L, Parteni L:** Aspect biochimisme de la cellule hépatique de rat en vo régénération. IV. Action de la vasopressine l'insuline et de l'hydrocortisone.
Rev Roum Physiol 10:131-7, 1973
ANIMAL EXPERIMENTS/ DNA, biosynthes FEMALE/ HEPATECTOMY/ HYDROCORTISONE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ INSULIN, metabolism/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ *LIVER REGENERATION, drug effects/ PROTEINS biosynthesis/ RATS/ VASOPRESSIN, metabolism/ *VASOPRESSIN, pharmacodynamics

533. **Butenandt O, Knorr D:** Wachstum und Wachstumshormon beim "zerebralen Gigantis
Munch Med Wochenschr 115:577-80, 6 Apr 73
ADOLESCENCE/ BLOOD SUGAR/ BODY HEIGHT/ *BRAIN DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, etio GLUCOSE TOLERANCE TEST/ GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ INSULIN, diagnostic use/ MALE/

*PITUITARY GLAND, physiopathology/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL

. **Butruk E:** Czynność kory nadnerczy u chorych z nadczynnością tarczycy.
Pol Tyg Lek 28:583-5, 16 May 73 (Pol)
*ADRENAL GLANDS, physiopathology/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS

. **Butt WR, Clarke PB, Robinson W, et al:** Recent studies on the mode of action of human FSH.
Endocrinol Exp (Bratisl) 7:37-41, 1973
ADULT/ CELL DIVISION/ ESTROGENS, urine/ FEMALE/ FSH, blood/ *FSH, pharmacodynamics/ FSH, physiology/ FSH, urine/ GRAAFIAN FOLLICLE, metabolism/ HALF-LIFE/ HUMAN/ IN VITRO/ OVARY, metabolism/ RADIOIMMUNOASSAY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

Butt WR, Leeson S, Robinson W, et al: Bioassay and immunoassay of gonadotrophins: routine procedures.
Endocrinol Exp (Bratisl) 7:43-8, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *LH, analysis/ MENOPAUSE/ MICE/ ORGAN WEIGHT/ RABBITS, immunology/ RADIOIMMUNOASSAY/ STERILITY, diagnosis/ UTERUS, drug effects

Butte JC, Kakihana R, Farnham ML, et al: The relationship between brain and plasma corticosterone stress response in developing rats.
Endocrinology 92:1775-9, Jun 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ FEEDBACK/ FEMALE/ *HISTAMINE, pharmacodynamics/ MALE/ PREGNANCY/ RATS/ *STRESS, metabolism/ TIME FACTORS

Butterworth ST, Newell JE, Stack BH: Malignant thymoma with central nervous system metastases.
Br J Dis Chest 67:141-5, Apr 73
ADULT/ *BRAIN NEOPLASMS/ CELL NUCLEUS/ CRANIAL NERVES/ EPITHELIUM, pathology/ HUMAN/ LYMPHOCYTES/ MALE/ MEDIASTINAL NEOPLASMS/ MENINGES, pathology/ NEOPLASM METASTASIS/ PERIPHERAL NERVE NEOPLASMS/ PITUITARY NEOPLASMS/ *SPINAL CORD NEOPLASMS/ SPINAL NERVE ROOTS, pathology/ *THYMOMA/ THYMOMA, pathology/ *THYMUS NEOPLASMS

Byers SO, Friedman M: Effect of thyroidectomy on conversion of cholesterol into bile acids.
Proc Soc Exp Biol Med 143:551-5, Jun 73
ANIMAL EXPERIMENTS/ *BILE ACIDS AND SALTS, biosynthesis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ *HYPOTHYROIDISM, metabolism/ *LIVER, metabolism/ MALE/ RATS/ *THYROIDECTOMY/ TRITIUM

Byers W, Curzon G, Garbett K, et al: Anion-binding and the state of copper in caeruloplasmin.
Biochim Biophys Acta 310:38-50, 17 May 73
ACETATES, pharmacodynamics/ AZIDES, pharmacodynamics/ BINDING SITES/ *CERULOPLASMIN, analysis/ CERULOPLASMIN, antagonists & inhibitors/ *COPPER, analysis/ CYANATES, pharmacodynamics/ CYANIDES, pharmacodynamics/ DIPHENOL OXIDASES/ ELECTRON SPIN RESONANCE/ FLUORIDES, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MATHEMATICS/ OXIDATION-REDUCTION/ PROTEIN BINDING/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFONES, pharmacodynamics/ THIOCYANATES, pharmacodynamics

541. Bykovskaia KN, Megrelishvili RI: Sravnitel'naia otsenka effektivnosti prednizolona i indotsida pri lechenii eksperimental'nogo autoimmunnogo glomerulonefrita.
Patol Fiziol Eksp Ter 17:14-20, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *AUTOIMMUNE DISEASES, drug therapy/ AUTOIMMUNE DISEASES, pathology/ BIOCHEMISTRY/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ *INDOMETHACIN, therapeutic use/ *PREDNISOLONE, therapeutic use/ PROTEINURIA/ RATS

542. Byrd RB, Trunk G: Systemic lupus erythematosus presenting as pulmonary hemosiderosis.
Chest 64:128-9, Jul 73
ADULT/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ GLUCOCORTICOIDS, therapeutic use/ HEMOPTYSIS, etiology/ HEMOSIDEROSIS, complications/ *HEMOSIDEROSIS, diagnosis/ HEMOSIDEROSIS, drug therapy/ HUMAN/ LUNG DISEASES, complications/ *LUNG DISEASES, diagnosis/ LUNG DISEASES, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, surgery/ MALE/ MERCAPTOPURINE, therapeutic use

543. Byshevskii ASh, Koigushskaia GP: Soderzhanie fibrinogena v plazme krovi i obmen fibrinogena-I-131 u krys pri vvedenii gidrokortizona.
Vopr Med Khim 19:152-6, Mar-Apr 73 (Rus)
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ *FIBRINOGEN, analysis/ FIBRINOGEN, metabolism/ FIBRINOLYSIN, analysis/ FIBRINOLYSIS, drug effects/ HALF-LIFE/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ RATS

C

544. Cabo SL, Zaninovich AA: Effectos de la ciproheptadina sobre la degradación de la tiroxina y de la triiodotironina por el musculo de rata.
Medicina (B Aires) 32:637-9, Nov-Dec 72 (Spa)
ANIMAL EXPERIMENTS/ CYPROHEPTADINE, administration & dosage/ *CYPROHEPTADINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ IN VITRO/ IODINE ISOTOPES/ *MUSCLES, metabolism/ RATS/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism

545. Cadeau BJ, Malkin A: A relative heat stability test for the identification of serum alkaline phosphatase isoenzymes.
Clin Chim Acta 45:235-42, 18 May 73
ADULT/ *ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ BONE DISEASES, enzymology/ DRUG STABILITY/ EVALUATION STUDIES/ HEAT/ HUMAN/ *ISOENZYMES, blood/ LIVER, enzymology/ LIVER DISEASES, enzymology/ MALE/ METHODS/ TIME FACTORS

546. Calcagno JV, Sweeney MJ, Oels HC: Rapid batch method for the preparation of fluorescein isothiocyanate-conjugated antibody.
Infect Immun 7:366-9, Mar 73
AMMONIUM SULFATE/ *ANTIBODIES/ ANTIBODY SPECIFICITY/ *FLUORESCENT ANTIBODY TECHNIC/ GLOBULINS/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ METHODS/ RABBITS, immunology/ THIOCYANATES/ YEASTS

LIBRARY U. OF I., URBANA-CHAMPAIGN

547. **Calder BA, Penhale WJ, Barnes EW, et al:** Cytotoxic lymphocytes in Hashimoto thyroiditis. An in vitro assay system using 51 Cr-labelled chicken red blood cells coated with thyroglobulin.
Clin Exp Immunol 14:19-23, May 73
CHICKENS, immunology/ CHROMIUM ISOTOPES/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ ERYTHROCYTES, immunology/ HUMAN/ *LYMPHOCYTES, immunology/ SERODIAGNOSIS/ *THYROGLOBULIN/ *THYROIDITIS, LYMPHOMATOUS, immunology

548. **Calder EA, Penhale WJ, McLeman D, et al:** Lymphocyte-dependent antibody-mediated cytotoxicity in Hashimoto thyroiditis.
Clin Exp Immunol 14:153-8, Jun 73
ANTIGEN-ANTIBODY COMPLEX/ CHEMISTRY, ANALYTICAL/ CHICKENS, immunology/ CHROMIUM ISOTOPES/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ HEMAGGLUTINATION TESTS/ HUMAN/ IGG/ IGM/ *LYMPHOCYTES, immunology/ NEUTRALIZATION TESTS/ *THYROIDITIS, LYMPHOMATOUS, immunology

549. **Calenoff L, Norfray J:** Magnification digital roentgenography: a method for evaluating renal osteodystrophy in hemodialyzed patients.
Am J Roentgenol Radium Ther Nucl Med 118:282-92, Jun 73
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ FEMALE/ *FINGERS, radiography/ *HEMODIALYSIS/ HEMODIALYSIS, adverse effects/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, etiology/ OSTEITIS FIBROSA CYSTICA, radiography/ OSTEOMALACIA, etiology/ OSTEOMALACIA, radiography/ *RADIOGRAPHIC MAGNIFICATION/ RADIOGRAPHIC MAGNIFICATION, instrumentation/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, radiography

550. **Călin G:** Ponderea şi rolul investigatiilor cito-histo-bacteriologice în efectuarea diagnosticului de natură şi de etapă în tuberculozele extrarespiratorii.
Ftiziologia 21:59-66, Jan-Feb 72 (Rum)
ADULT/ BACTERIOLOGICAL TECHNICS/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ FEMALE/ HISTOLOGICAL TECHNICS/ HUMAN/ MIDDLE AGE/ *TUBERCULOSIS, diagnosis/ TUBERCULOSIS, CUTANEOUS, diagnosis/ TUBERCULOSIS, ENDOCRINE, diagnosis/ TUBERCULOSIS, LYMPH NODE, diagnosis/ TUBERCULOSIS, MENINGEAL, diagnosis/ TUBERCULOSIS, OCULAR, diagnosis/ TUBERCULOSIS, OSTEOARTICULAR, diagnosis/ TUBERCULOSIS, PERITONEAL, diagnosis/ TUBERCULOSIS, UROGENITAL, diagnosis

551. **Callard IP, Doolittle JP:** The influence of intrahypothalamic implants of progesterone on ovarian growth and function in the ovoviviparous iguanid lizard, Sceloporus cyanogenys.
Comp Biochem Physiol [A] 44:625-9, 1 Feb 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ HYPOTHALAMUS, physiology/ *LIZARDS, metabolism/ OVARY, drug effects/ *OVARY, growth & development/ OVARY, physiology/ OVIDUCTS, drug effects/ OVULATION, drug effects/ PITUITARY GLAND, physiology/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics

552. **Calverley RK, Jenkins LC, Griffiths J:** A clinical study of serum magnesium concentrations during anaesthesia and cardiopulmonary bypass.
Can Anaesth Soc J 20:499-518, Jul 73
*ANESTHESIA, GENERAL/ ANESTHESIA, INHALATION/ ANESTHESIA, INTRAVENOUS/ *ANESTHESIA, SPINAL/ ANESTHETICS/ CURARE-LIKE AGENTS, antagonists & inhibitors/ DEXAMETHASONE, pharmacodynamics/ *EXTRACORPOREAL CIRCULATION/ HEPARIN/ HOMEOSTASIS, drug effects/ HUMAN/ LIDOCAINE, pharmacodynamics/ *MAGNESIUM, blood/ MAGNESIUM, urine/ MANNITOL, pharmacodynamics/ NEUROMUSCULAR DEPOLARIZING AGENTS, antagonists & inhibitors/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics OXYTOCIN, pharmacodynamics/ PREMEDICATION/ TIME FACTORS

553. **Calvert R, Pusteria A:** Formation of thyroid follic lumina in rat embryos studied with serial sections. Gen Comp Endocrinol 20:584-7, Jun
ANIMAL EXPERIMENTS/ GESTATIONAL AGE/ MICROSCOPY, ELECTRON/ RATS/ THYROID GLAND, cytology/ *THYROID GLAND, embryology

554. **Campbell IG:** Miliary tuberculosis in British Colum
Can Med Assoc J 108:1517-9 passim, 23 Jun
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUTOPSY/ BRITISH COLUMBIA/ CHILD/ FEMALE/ FEVER OF UNKNOWN ORIGIN, etiology/ HUMAN/ INDIANS, NOR AMERICAN/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ MYCOBACTERIUM TUBERCULOSIS, isolation & purification/ PREDNISONE, therapeutic use/ RACIAL STOCKS/ RETROSPECTIVE STUDIES/ SEX FACTORS/ SPUTUM, microbiology/ TUBERCULIN TEST/ TUBERCULOSIS, MILIARY, blood/ TUBERCULOSIS, MILIAR complications/ TUBERCULOSIS, MILIARY, drug therapy/ TUBERCULOSIS, MILIARY, microbiology/ TUBERCULOSIS, MILIARY, mortality/ *TUBERCULOSIS, MILIARY, occurrence/ TUBERCULOSIS, MILIARY, radiography

555. **Campos Russo M de, Hadler WA:** Effect of hydrocortisone on rat tooth germ. Morpholo study. Rev Fac Odontol Aracatuba 2:135-47,
DENTINOGENESIS, drug effects/ HYDROCORTISONE, pharmacodynamics/ SPECIAL LIST DENTAL/ TOOTH GERM, drug effects

556. **Campuzano HC, Wilkerson JE, Raven PB, et a** radioimmunoassay for cortisol in human pla
Biochem Med 7:350-62, Jun 73
ADULT/ ANHYDRIDES/ CATTLE/ CHEMISTRY/ CROSS REACTIONS/ DIET/ HUMAN/ HYDROCORTISONE/ *HYDROCORTISONE, blood/ HYDROCORTISONE, chem synthesis/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERU ALBUMIN, BOVINE/ SUCCINATES/ SUCCINATES, chem synthesis

557. **Camus JP, Prier A, Kartun P, et al:** Thyéotoxico benziodarone.
Rev Rhum Mal Osteoartic 40:148-50, Feb 73
ADULT/ *BENZOFURANS, adverse effects BENZOFURANS, therapeutic use/ *GOUT, drug therapy/ HUMAN/ *HYPERTHYROID chemically induced/ MALE/ MIDDLE AGE *URICOSURIC AGENTS, adverse effects/ URICOSURIC AGENTS, therapeutic use

558. **Cannata MA, Morris JF:** Changes in the appearan hypothalamo-neurohypophysial neurosecretory granules associated with their maturation.
J Endocrinol 57:531-8, Jun 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CYTOPLASMIC GRANULES/ HYDROGEN-CONCENTRATION/ *HYPOTHALAMUS, cytology/ MALE/ METHODS/ MICROSCOP ELECTRON/ *NEUROSECRETORY SYSTE cytology/ OSMIUM/ OXYTOCIN/ *PITUITA GLAND, POSTERIOR, cytology/ RATS/ VASOPRESSIN

559. **Cantegrel C:** Un cas de lymphoedème aigu au cour mois de grossesse.
Phlebologie 25:287-90, Jul-Sep 72
ADULT/ ANTIBIOTICS, therapeutic use/

DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INGUINAL CANAL/ *LEG/ *LYMPHEDEMA/ LYMPHEDEMA, diagnosis/ LYMPHEDEMA, drug therapy/ PHLEBITIS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ TRIAMCINOLONE, therapeutic use

0. **Capella C, Solcia E, Sneil KC:** Ultrastructure of endocrine cells and argyrophil carcinoids of the stomach of Praomys (Mastomys) natalensis.
J Natl Cancer Inst 50:1471-85, Jun 73
CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, pathology/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ *GASTRIC MUCOSA, pathology/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ PANCREAS, cytology/ PYLORUS, cytology/ RODENTS/ *STOMACH NEOPLASMS, pathology

1. **Caracciolo PR:** Review of surgical treatment of 90 cases of cancer of the thyroid. Int Surg 58:402-5, Jun 73
ADENOCARCINOMA, classification/ AGE FACTORS/ CARCINOMA, PAPILLARY, classification/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ METHODS/ NEOPLASM RECURRENCE, LOCAL/ *RADICAL NECK DISSECTION/ *THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, surgery/ *THYROIDECTOMY/ THYROIDECTOMY, adverse effects

2. **Carafoli E, Garzotti P:** The reaction of Ca ++ with the inner and outer membrane of mitochondria.
Experientia 29:408-9, 15 Apr 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CYTOCHROME OXIDASE, metabolism/ ENERGY TRANSFER/ MALATE DEHYDROGENASE, metabolism/ *MEMBRANES, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ MONOAMINE OXIDASE, metabolism/ OXYGEN CONSUMPTION/ RATS

3. **Carapancea M, Udresco E:** Les déterminismes symptomatiques et leurs méchanismes dans la physiopathologie oculaire de l'intoxication digitalique. Rev Roum Physiol 10:205-12, 1973 **(Fre)**
AGED/ AMBLYOPIA, chemically induced/ ANIMAL EXPERIMENTS/ BLINDNESS, chemically induced/ DIGITALIS GLYCOSIDES, adverse effects/ *DIGITALIS GLYCOSIDES, poisoning/ DIGITALIS GLYCOSIDES, therapeutic use/ DIPLOPIA, chemically induced/ EXOPHTHALMOS, chemically induced/ *EYE DISEASES, chemically induced/ FEMALE/ HALLUCINATIONS, chemically induced/ HEART DISEASES, drug therapy/ HEMIANOPSIA, chemically induced/ HUMAN/ HYPERTENSION, chemically induced/ MALE/ MIDDLE AGE/ MYOCARDITIS, drug therapy/ NYSTAGMUS, chemically induced/ *POISONING, complications/ RABBITS/ RETINAL VESSELS/ VASCULAR DISEASES, chemically induced

4. **Cardinali DP, Hyyppä MT, Wurtman RJ:** Fate of intracisternally injected melatonin in the rat brain.
Neuroendocrinology 12:30-40, 1973
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DARKNESS/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ LIGHT/ MALE/ MELATONIN, administration & dosage/ *MELATONIN, metabolism/ MELATONIN, pharmacodynamics/ RATS/ TIME FACTORS/ TRITIUM

5. **Cardot J:** Dopamine et monoamine oxydase chez le mollusque Helix pomatia. Production in vitro d'acide 3,4-dihydroxyphénylacétyque.
C R Soc Biol (Paris) 166:336-9, 9 Nov 72 **(Fre)**
ANIMAL EXPERIMENTS/ DOPAMINE, biosynthesis/ *DOPAMINE, metabolism/ IN VITRO/ *MONOAMINE OXIDASE, metabolism/ MYOCARDIUM, metabolism/ NERVOUS SYSTEM, metabolism/ PHENYLACETATES, biosynthesis/ SEROTONIN, metabolism/ *SNAILS, metabolism

566. **Carette B:** Activité unitaire au niveau du noyau arqué de l'hypothalamus de cobaye.
C R Soc Biol (Paris) 166:1323-7, 1972 **(Fre)**
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ GUINEA PIGS/ *HYPOTHALAMUS, physiology/ MALE/ MICROELECTRODES/ NEURONS, physiology/ STEREOTAXIC TECHNICS

567. **Carey EM, Dils R:** Regulation of the chain-length of fatty acids synthesized by cell-free preparations of lactating rabbit, rat and guinea-pig mammary gland.
Comp Biochem Physiol [B] 44:989-1000, 15 Apr 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CYTOSOL, metabolism/ *FATTY ACIDS, biosynthesis/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ FEMALE/ GLYCERIDES, biosynthesis/ GUINEA PIGS/ *LACTATION/ MAMMAE, cytology/ MAMMAE, metabolism/ PHOSPHOLIPIDS, biosynthesis/ PREGNANCY/ RABBITS/ RATS/ SPECIES SPECIFICITY/ SUBCELLULAR FRACTIONS, metabolism/ TRIGLYCERIDES, biosynthesis

568. **Carey EM, Dils R:** Fatty acid biosynthesis. X. Specificity for chain-termination of fatty acid biosynthesis in cell-free extracts of lactating rabbit mammary gland.
Biochim Biophys Acta 306:156-67, 24 May 73
ACETATES, metabolism/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL FRACTIONATION/ CELL-FREE SYSTEM/ DIALYSIS/ FATTY ACID SYNTHETASE COMPLEX, metabolism/ *FATTY ACIDS, biosynthesis/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ FEMALE/ GEL FILTRATION/ GLYCERIDES, biosynthesis/ HEAT/ LACTATION/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MICROSOMES, metabolism/ PHOSPHOLIPIDS, biosynthesis/ PREGNANCY/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, enzymology/ *SUBCELLULAR FRACTIONS, metabolism/ TRIGLYCERIDES, biosynthesis

569. **Carlisle HJ:** Schedule-induced polydipsia: effect of water temperature, ambient temperature, and hypothalamic cooling.
J Comp Physiol Psychol 83:208-20, May 73
ANIMAL EXPERIMENTS/ COLD/ *DRINKING/ *DRINKING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HEAT/ *HYPOTHALAMUS, physiology/ RATS/ *REINFORCEMENT SCHEDULE/ STEREOTAXIC TECHNICS/ *TEMPERATURE/ THERMOMETERS/ THIRST/ WATER

570. **Carlson HE, Tample R, Robbins J:** Effect of lithium on thyroxine disappearance in man.
J Clin Endocrinol Metab 36:1251-4, Jun 73
ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ IODINE, metabolism/ IODINE ISOTOPES/ *LITHIUM, pharmacodynamics/ MALE/ METHIMAZOLE, pharmacodynamics/ MIDDLE AGE/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ *THYROXINE, blood

571. **Carlsson A:** Biochemical and pharmacological aspects of Parkinsonism.
Acta Neurol Scand [Suppl] 51:11-42, 1972 (96 ref.)
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ BRAIN, drug effects/ *BRAIN, metabolism/ CENTRAL NERVOUS SYSTEM, metabolism/ CHEMORECEPTORS/ CHLORPROMAZINE, pharmacodynamics/

LIBRARY U. OF I., URBANA-CHAMPAIGN

CORPUS STRIATUM/ DEPRESSION, CHEMICAL/ DISEASE MODELS, ANIMAL/ DOPA, pharmacodynamics/ DOPA, therapeutic use/ DOPAMINE, metabolism/ HUMAN/ MONKEYS/ MOTOR ACTIVITY, drug effects/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, metabolism/ PARKINSONISM, drug therapy/ *PARKINSONISM, metabolism/ PARKINSONISM, SYMPTOMATIC, metabolism/ RATS/ RESERPINE, pharmacodynamics/ REVIEW/ SEROTONIN, metabolism/ STIMULATION, CHEMICAL

572. **Carmona A, Slangen J:** Effects of chemical stimulation of the hypothalamus upon gastric secretion. Physiol Behav 10:657-61, Apr 73
ANIMAL EXPERIMENTS/ CARBACHOL, administration & dosage/ *CARBACHOL, pharmacodynamics/ DRINKING/ EATING, drug effects/ GASTRIC ACIDITY DETERMINATION/ *GASTRIC JUICE, secretion/ HYDROGEN-ION CONCENTRATION/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ RATS/ SECRETORY RATE, drug effects/ STEREOTAXIC TECHNICS/ STOMACH, physiology

573. **Carpenter SJ, Ferm VH, Gale TF:** Permeability of the golden hamster placenta to inorganic lead: radioautographic evidence. Experientia 29:311-3, 15 Mar 73
AMNION, metabolism/ ANIMAL EXPERIMENTS/ EMBRYO, metabolism/ FEMALE/ GESTATIONAL AGE/ HAMSTERS/ *LEAD, metabolism/ *MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ PREGNANCY/ RADIOISOTOPES/ VITELLINE MEMBRANE, metabolism

574. **Carpio H, Crabbé P, Fried JH:** Synthesis of 2',2'-difluoro-6,7-dihydro-16-methyleneciclopropa(6,7)progesterone analogues. J Chem Soc [Perkin I] 3:227-30, 1973
CYCLOPROPANE, chem synthesis/ FLUORINE/ HYDROLYSIS/ METHODS/ PREGNADIENES/ PROGESTATIONAL HORMONES, chem synthesis/ *PROGESTERONE, chem synthesis/ STRUCTURE-ACTIVITY RELATIONSHIP

575. **Carr RE:** Symposium: pigmentary retinopathy summing-up. Trans Ophthalmol Soc UK 92:289-301, 1972 (17 ref.)
ANIMAL EXPERIMENTS/ AUTOSOME ABNORMALITIES/ BLINDNESS, congenital/ CHOROID/ ELECTRORETINOGRAPHY/ EYE DISEASES/ HUMAN/ RETINAL DEGENERATION/ *RETINITIS PIGMENTOSA/ RETINITIS PIGMENTOSA, familial & genetic/ REVIEW/ SEX CHROMOSOME ABNORMALITIES

576. **Carrillo AJ, Kastin AJ, Dunn JD, et al:** MSH activity in plasma and pituitaries of rats with large hypothalamic lesions. Neuroendocrinology 12:120-8, 1973
ANIMAL EXPERIMENTS/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ MSH, blood/ *MSH, metabolism/ *PITUITARY GLAND, metabolism/ RATS

577. **Carrington ER:** Diabetes in pregnancy. Clin Obstet Gynecol 16:28-46, Mar 73
ALKALINE PHOSPHATASE, blood/ AMINES/ DELIVERY/ DIABETIC DIET/ DIURETICS, therapeutic use/ ENZYME TESTS/ FEMALE/ FETAL DISEASES, diagnosis/ FETUS, metabolism/ GLUCOSE TOLERANCE TEST/ HOSPITALIZATION/ HUMAN/ HYDRAMNIOS, etiology/ INSULIN, blood/ INSULIN RESISTANCE/ MONITORING SYSTEMS/ OXIDOREDUCTASES, blood/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, complications/ *PREGNANCY IN DIABETES/ PREGNANC IN DIABETES, blood/ PREGNANCY IN DIABETES, diagnosis/ PREGNANCY IN DIABETES, drug therapy/ PREGNANCY I DIABETES, metabolism/ PYELONEPHRITIS complications

578. **Carroll KK, Vilim A, Woods MC:** Polyprenols of and human pituitary glands. Lipids 8:246-8, Ma
*ALCOHOLS, analysis/ ALCOHOLS, isolatio purification/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ FAT ACIDS, analysis/ HUMAN/ LIPIDS, analysi LIPIDS, isolation & purification/ LIVER, analysis/ NUCLEAR MAGNETIC RESONAN *PITUITARY GLAND, analysis/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, INFRARED/ SWINE/ *TERPENES, analysi TERPENES, isolation & purification

579. **Carter PM:** Immune complex disease. Ann Rheum Dis 32:265-71, May 73 (27 re
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ ANTIHISTAMINICS, therapeutic use/ ARTHRITIS, immunology/ ARTHUS PHENOMENON/ EDEMA/ FEVER/ HEPAR therapeutic use/ HUMAN/ HYDROSTATIC PRESSURE/ IMMUNE COMPLEX DISEASI IMMUNE COMPLEX DISEASE, drug thera IMMUNOGLOBULINS/ *IMMUNOLOGIC DISEASES/ NECROSIS/ NEPHRITIS, immunology/ NEUTROPHILS/ PERMEABILITY/ PHAGOCYTOSIS/ REVI SERUM SICKNESS/ SOLUBILITY/ STERO therapeutic use

580. **Cass AS, Ireland GW:** Trauma to the genitou tract: evaluation and management. Postgrad Med 53:63-8, Jun 73
ABDOMINAL INJURIES, diagnosis/ ANGIOGRAPHY/ BLADDER, injuries/ BLADDER, radiography/ CONTRAST MED administration & dosage/ HEMATOMA, complications/ HEMATURIA, etiology/ HEMORRHAGE, etiology/ HUMAN/ KIDN injuries/ LAPAROTOMY/ RETROPERITON SPACE/ RUPTURE/ TESTIS, injuries/ URETER, injuries/ URETHRA, injuries/ URETHRA, radiography/ URINARY CATHETERIZATION/ *UROGENITAL SYS injuries/ UROGRAPHY/ WOUNDS AND INJURIES, diagnosis/ WOUNDS AND INJURIES, therapy

581. **Castaigne P, Rondot P, Escourolle R, et** Malformation de la veine de Galien à rév tardive; étude anatomo-clinique. Rev Neurol (Paris) 126:304-12, Apr 72
ADULT/ AUTOPSY/ CALCINOSIS, diagn CEREBRAL ANEURYSM, pathology/ CEREBRAL AQUEDUCT, pathology/ CEREBRAL ARTERIES, pathology/ *CEREBRAL ARTERIOVENOUS MALFORMATIONS/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, pathology/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, radiography/ CEREBE VENTRICLES, pathology/ CRANIAL SINU pathology/ HUMAN/ MALE/ MIDDLE AG PINEAL BODY, pathology/ STAINS AND STAINING

582. **Casteels R, Goffin J, Raeymaekers L, et al:** C pumping in the smooth muscle cells of the taen J Physiol (Lond) 231:19P-20P, May 73
ADENOSINE TRIPHOSPHATE, metabolism ADENOSINE TRIPHOSPHATE, physiology ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CELL MEMBRA PERMEABILITY/ COLON/ GLUCOSE, metabolism/ IN VITRO/ *MUSCLE, SMO metabolism/ OUABAIN, pharmacodynamic OXYGEN CONSUMPTION/ POTASSIUM, metabolism/ SODIUM, metabolism

583. **Casteels R, Raeymaekers L, Goffin J, et al:** A st factors affecting the cellular calcium cont

smooth muscle cells.
Arch Int Pharmacodyn Ther 201:191-2, Jan 73
ADENOSINE TRIPHOSPHATE, metabolism/ *CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ HUMAN/ HYDROLYSIS/ *INTESTINE, LARGE, metabolism/ *MUSCLE, SMOOTH, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

Castenfors J, Knutsson E, Sjöstrand T: Circulatory control via vagal afferents. 3. Control of arterial blood pressure by afferents via the laryngeal communicans with special regard to the restitution after hemorrhage. Acta Physiol Scand 87:176-87, Feb 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD TRANSFUSION/ BLOOD VOLUME/ HEART RATE/ HEMORRHAGE/ HYPOPHYSECTOMY/ *NEURONS, physiology/ NEURONS, AFFERENT, physiology/ *PHARYNGEAL DISEASES, physiopathology/ RATS/ SYMPATHECTOMY/ TIME FACTORS/ *VAGUS NERVE, physiology/ VASOPRESSIN, metabolism

Castillo CE, Beas F: Crop sac stimulating activity and mammary inhibition produced by a human placental protein. Horm Metab Res 5:129-33, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CROP, AVIAN, analysis/ CROP, AVIAN, anatomy & histology/ CROP, AVIAN, drug effects/ *CROP, AVIAN, metabolism/ DNA, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ MAMMAE, cytology/ MAMMAE, drug effects/ *MAMMAE, growth & development/ MICROSCOPY/ PIGEONS/ *PLACENTA/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ PROTEINS, analysis/ *PROTEINS, pharmacodynamics/ RATS/ RNA, analysis

Castillón MP, Catalán RE, Municio AM: Adenyl cyclase variation during development of the insect Ceratitis capitata. FEBS Lett 32:113-5, 15 May 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ *DIPTERA, enzymology/ DIPTERA, growth & development/ LARVA/ METAMORPHOSIS, BIOLOGICAL/ TIME FACTORS/ TRITIUM

Castro JA, Díaz Gómez MI, De Ferreyra EC, et al: Carbon tetrachloride effect on rat liver and adrenals related to their mixed-function oxygenase content. Biochem Biophys Res Commun 47:315-21, 28 Apr 72
ACID PHOSPHATASE, metabolism/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CARBON TETRACHLORIDE, pharmacodynamics/ CYTOCHROME P-450, analysis/ KIDNEY, cytology/ KIDNEY, enzymology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MICROSOMES, enzymology/ MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ *OXYGENASES, metabolism/ PEROXIDASES, metabolism/ PROTEIN BINDING/ RATS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET

Catalano PM: Contraceptive conundrum. II. Hypertension. Arch Dermatol 107:910-1, Jun 73
ADULT/ ANGIOTENSIN, biosynthesis/ ANGIOTENSIN, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ FEEDBACK/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, MALIGNANT, chemically induced/ RENIN, blood/ RENIN, physiology

Catania R: Les cellules neurosécrétrices et leur localisation au cours du cycle vital dans le système nerveux central de crepidula fornicata (Phil.), mollusque gastéropode hermaphrodite.
C R Acad Sci [D] (Paris) 676:801-4, 29 Jan 73 (Fre)
ANIMAL EXPERIMENTS/ *CENTRAL NERVOUS SYSTEM, cytology/ FEMALE/ HISTOCYTOCHEMISTRY/ MALE/ MOLLUSCA/ *NEURONS, cytology/ *NEUROSECRETORY SYSTEMS/ NEUROSECRETORY SYSTEMS, growth & development

590. Catto GR, MacDonald AF, McIntosh JA, et al: Haemodialysis therapy and changes in skeletal calcium. Lancet 1:1150-3, 26 May 73
ACTIVATION ANALYSIS, instrumentation/ ADULT/ *BONE AND BONES, analysis/ BONE AND BONES, radiography/ *CALCIUM, analysis/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ MINERALS, analysis

591. Cavallero C, Di Tondo U, Pericoli MN, et al: Effect of prednisone on the noradrenaline-indeced cell proliferation in the arterial wall.
Experientia 29:703-4, 15 Jun 73
ANIMAL EXPERIMENTS/ AORTA, cytology/ *AORTA, drug effects/ AORTA, metabolism/ CELL DIVISION, drug effects/ DRUG SYNERGISM/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ *PREDNISONE/ PULMONARY ARTERY, cytology/ *PULMONARY ARTERY, drug effects/ PULMONARY ARTERY, metabolism/ RABBITS/ THYMIDINE, metabolism/ TRITIUM

592. Cavanagh D, Rao PS: Septic shock (endotoxic shock).
Clin Obstet Gynecol 16:25-39, Jun 73 (27 ref.)
ANTIBIOTICS/ BABOONS/ BLOOD COAGULATION/ DOGS/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ GRAM NEGATIVE BACTERIA/ HEMODYNAMICS/ HUMAN/ MONKEYS/ PREGNANCY/ REVIEW/ SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, diagnosis/ SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, microbiology/ *SHOCK, ENDOTOXIC, physiopathology/ SHOCK, ENDOTOXIC, prevention & control/ SHOCK, ENDOTOXIC, surgery/ SHOCK, ENDOTOXIC, therapy/ VASOCONSTRICTOR AGENTS, therapeutic use

593. Cavazos N: Systemic effects of traumatic quadriplegia.
Med Trial Tech Q 19:376-87, Spring 73
ADULT/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ AUTOPSY/ CALCIUM, metabolism/ DECUBITUS ULCER, etiology/ GASTROINTESTINAL MOTILITY/ HUMAN/ MALE/ NURSING CARE/ PAIN/ PARESTHESIA/ PERSONALITY DISORDERS, etiology/ PROTEINS, metabolism/ *QUADRIPLEGIA, complications/ QUADRIPLEGIA, physiopathology/ *REFLEX/ SEX DISORDERS, etiology/ URINATION DISORDERS, etiology/ *WOUNDS AND INJURIES, complications

594. Cavina G, Moretti G, Cantafora A: Analysis of corticosteroids in mixtures by gradient elution liquid chromatography. J Chromatogr 80:89-100, 30 May 73
*ADRENAL CORTEX HORMONES, analysis/ ADSORPTION/ ALCOHOL, METHYL/ ALDOSTERONE, analysis/ CHLOROFORM/ CHROMATOGRAPHY/ CORTICOSTERONE, analysis/ CORTISONE, analysis/ HYDROCORTISONE, analysis/ METHODS/ SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TETRAHYDROCORTISOL, analysis/ TETRAHYDROCORTISONE, analysis/ TISSUE EXTRACTS, analysis

595. Cayton RM, Howard P: Adrenal failure in bronchial asthma. Br Med J 2:547, 2 Jun 73
ADRENAL GLAND HYPOFUNCTION, chemically induced/ *ADRENAL GLAND HYPOFUNCTION, complications/ ADULT/ *ASTHMA, complications/ ASTHMA, drug therapy/ BECLOMETHASONE, adverse effects/ GASTROENTERITIS, complications/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use

596. Celis ME, Hase S, Walter R: Structure-activity studies of MSH-release-inhibiting hormone.
FEBS Lett 27:327-30, 1 Nov 72

LIBRARY OF L. URBANA-CHAMPAIGN

AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *MSH, secretion/ OLIGOPEPTIDES, analysis/ OLIGOPEPTIDES, pharmacodynamics/ PEPTIDES, CYCLIC, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ RATS/ SILICA/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

597. **Centeno ER, Shulman S:** Isolation and characterization of a rabbit adrenal autoantigen.
Immunology 24:901-10, May 73
*ADRENAL GLANDS, immunology/ ANIMAL EXPERIMENTS/ *ANTIGENS, isolation & purification/ AUTOANTIGENS, isolation & purification/ BUFFERS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, PAPER/ GEL DIFFUSION TESTS/ HYDROGEN-ION CONCENTRATION/ OSMOLAR CONCENTRATION/ POTASSIUM CHLORIDE/ RABBITS/ ULTRACENTRIFUGATION

598. **Cerón Esquivel A, Tenorio Cancino J, Lara Sámano E, et al:** Arrenoblastom. Informe de 2 casos.
Ginecol Obstet (Lima) 33:313-8, Mar 73 (Spa)
ADULT/ *ARRHENOBLASTOMA/ ARRHENOBLASTOMA, complications/ ARRHENOBLASTOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, etiology/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ VIRILISM, etiology

599. **Cervantes J, Alvarez Ahedo A, Fernández JM:** Embolia grasa.
Arch Inst Cardiol Mex 43:319-24, Mar-Apr 73 (Spa)
ADOLESCENCE/ BLOOD TRANSFUSION/ CALCIUM, therapeutic use/ CASE REPORT/ DEXTRAN, therapeutic use/ *EMBOLISM, FAT/ EMBOLISM, FAT, drug therapy/ EMBOLISM, FAT, etiology/ EMBOLISM, FAT, therapy/ ENGLISH ABSTRACT/ *FEMORAL FRACTURES, complications/ GLUCOCORTICOIDS, therapeutic use/ HEPARIN, therapeutic use/ HUMAN/ LIGATION/ MALE/ OXYGEN INHALATION THERAPY

600. **Cha EM:** Ectopic seminoma (germinoma) in the retroperitoneum and mediastinum: with emphasis on the lymphangiogram. J Urol 110:47-9, Jul 73
ADOLESCENCE/ CLAVICLE/ *DISGERMINOMA, radiography/ DISGERMINOMA, radiotherapy/ HUMAN/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ MALE/ *MEDIASTINAL NEOPLASMS, radiography/ MEDIASTINAL NEOPLASMS, radiotherapy/ *RETROPERITONEAL NEOPLASMS, radiography/ RETROPERITONEAL NEOPLASMS, radiotherapy/ UROGRAPHY

601. **Chabrier J, Choukroun J:** Conséquences vasculaires et gynécologiques des oestro-progestatifs.
Phlebologie 25:251-4, Jul-Sep 72 (Fre)
ATROPHY, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ GENITALIA, FEMALE, drug effects/ *GYNECOLOGIC DISEASES, chemically induced/ HUMAN/ OVARIAN DISEASES, chemically induced/ OVARY, drug effects/ PROGESTATIONAL HORMONES, adverse effects/ *VASCULAR DISEASES, chemically induced/ VASCULAR DISEASES, prevention & control

602. **Challis JR, Linzell JL:** Oestrone metabolism in pregnant and lactating goats. J Endocrinol 57:451-7, Jun 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CARBON ISOTOPES/ ESTRADIOL, biosynthesis/ ESTRONE, blo
*ESTRONE, metabolism/ FEMALE/ *GOA
metabolism/ HEMATOCRIT/ HYDROCORTISONE, metabolism/ LACTATION/ MAMMAE, metabolism/ METABOLIC CLEARANCE RATE/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, metabolism/ TRITIUM

603. **Chamness GC, Jennings AW, McGuire WL:** Oest
receptor binding is not restricted to target
Nature 243:458-60, 16 Feb 73
ANIMAL EXPERIMENTS/ BINDING SITE
CELL FRACTIONATION/ CELL-FREE SYSTEM/ *CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT
*ESTRADIOL, metabolism/ FEMALE/ LIV
cytology/ LIVER, metabolism/ NEOPLASM
EXPERIMENTAL, metabolism/ RATS/ *RECEPTORS, HORMONE/ SPLEEN, cyto
SPLEEN, metabolism/ STOMACH, cytolog
STOMACH, metabolism/ TRITIUM/ UTER
cytology/ UTERUS, metabolism

604. **Champlin AK, Dorr DL, Gates AH:** Determini
stage of the estrous cycle in the mouse b
appearance of the vagina. Biol Reprod 8:491-4,
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ *ESTRUS/ FEMALE/ METHODS
MICE/ *VAGINA, anatomy & histology/ *VAGINAL SMEARS

605. **Champredon C, Pion R:** Evolution de l'aminoac
libre de chévres au début de la lactatio
C R Soc Biol (Paris) 166:378-81, 9 Nov 72
*AMINO ACIDS, blood/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMAL NUTRITION/ AUTOANALYSIS/ BLOOD SUGAR, analy
BLOOD UREA NITROGEN/ CATTLE/ GO
*LACTATION/ *MILK, secretion/ UREA, metabolism

606. **Chan SW, Ziegel S, Callard IP:** Plasma progeste
snakes. Comp Biochem Physiol [A] 44:631-7, 1
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLOBULINS/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BIN
*SNAKES, metabolism/ TRITIUM

607. **Chandola A, Thapliyal JP, Gupta SC:** Male hormo
thyroid function in the Indian garden lizard,
versicolor. J Endocrinol 57:325-6, May 73
*ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ GLUCURONIDASE, analysis/ IODINE ISOTOPES/ KIDNEY, enzymology/ *LIZA
physiology/ MALE/ PROTEIN-BOUND IO
TEST/ TESTOSTERONE, pharmacodynam
*THYROID GLAND, physiology

608. **Chang J, Hackel DB:** Comparative study of myo
lesions in hemorrhagic shock.
Lab Invest 28:641-7, Jun 73
ADRENAL GLAND DISEASES, pathology
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE/ CA
FEMALE/ HEART DISEASES, pathology/
HEART RATE/ HEMORRHAGE, patholog
HEMORRHAGE, GASTROINTESTINAL, pathology/ HYPOTENSION, etiology/ LI
pathology/ LUNG, pathology/ MACACA/
MALE/ MONKEYS/ *MYOCARDIUM, pathology/ NECROSIS/ RABBITS/ *SHO
HEMORRHAGIC, pathology/ SPECIES SPECIFICITY/ SWINE

609. **Chang KS:** Studies in family planning. 3. Korea
Stud Fam Plann 4:107-11, May 73
ABORTION/ ABORTION, LEGAL/ ADUL
AGE FACTORS/ CONTRACEPTIVE DEV
CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ HU
INTRAUTERINE DEVICES/ KOREA/ MA
MATERNAL HEALTH SERVICES/ POPULATION GROWTH/ PREGNANCY/
RESIDENCE CHARACTERISTICS/ RURA
POPULATION/ STATISTICS/ STERILIT

FEMALE/ STERILITY, MALE/ STERILIZATION, SEXUAL/ TIME FACTORS/ URBAN POPULATION

Chang PL, Bhagat B, Taylor JJ: Effect of chronic administration of nicotine on acetylcholinesterase activity in the hypothalamus and medulla oblongata of the rat brain. An ultrastructural study.
Brain Res 54:75-84, 17 May 73
*ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ HYPOGLOSSAL NERVE, drug effects/ HYPOGLOSSAL NERVE, enzymology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ MALE/ MEDULLA OBLONGATA, drug effects/ *MEDULLA OBLONGATA, enzymology/ MICROSCOPY, ELECTRON/ *NICOTINE, poisoning/ RATS

Chao YM: Denial in a primigravida whose pregnancy terminated with hydatidiform mole.
Matern Child Nurs J 1:243-50, Fall 73
DEFENSE MECHANISMS/ HYDATIDIFORM MOLE/ NURSE-PATIENT RELATIONS/ PREGNANCY COMPLICATIONS/ SPECIAL LIST NURSING

Chao YM: [Denial in a primigravida whose pregnancy terminated with hydatidiform mole]
J Nurs (Taipei) 20:2-7, Apr 73 **(Jap)**
ADAPTATION, PSYCHOLOGICAL/ DEFENSE MECHANISMS/ HYDATIDIFORM MOLE/ PREGNANCY COMPLICATIONS/ SPECIAL LIST NURSING

Chaplin H Jr, Cohen R, Bloomberg G, et al: Pregnancy and idiopathic autoimmune haemolytic anaemia: a prospective study during 6 months gestation and 3 months post-partum. Br J Haematol 24:219-29, Feb 73
ADULT/ AMNIOTIC FLUID, analysis/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ AUTOANTIBODIES/ BILIRUBIN, analysis/ COLD/ COMPLEMENT/ CREATININE, analysis/ ESTRIOL, urine/ FEMALE/ HEMOGLOBINOMETRY/ HEMOLYSIS/ HUMAN/ IGG/ INFANT, NEWBORN/ LECITHINS, analysis/ PRECIPITIN TESTS/ PREDNISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PROSPECTIVE STUDIES/ PUERPERIUM/ SPHINGOMYELINS, analysis/ THROMBOPENIA, etiology/ UMBILICAL CORD

Charawanamuttu AM, Hughes-Nurse J, Hamlett JD: Retinal embolism after hysterosalpingography.
Br J Ophthalmol 57:166-9, Mar 73
ADULT/ EDEMA, drug therapy/ EDEMA, etiology/ EMBOLISM, FAT, drug therapy/ *EMBOLISM, FAT, etiology/ FEMALE/ HUMAN/ *HYSTEROSALPINGOGRAPHY, adverse effects/ IODIZED OILS/ LUNG, radiography/ MACULA LUTEA/ OPHTHALMOSCOPY/ PREDNISOLONE, therapeutic use/ RETINAL DISEASES, drug therapy/ *RETINAL DISEASES, etiology/ VISUAL ACUITY

Charzyński M, Berbeć H: Uptake of 5-hydroxytryptophan and tryptophan into erythrocytes in vitro.
Folia Biol (Krakow) 20:355-61, 1972
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ *ERYTHROCYTES, metabolism/ *HYDROXYTRYPTOPHAN, blood/ SEROTONIN, biosynthesis/ SWINE/ *TRYPTOPHAN, blood

Charnot Y, Pérès G: Bilan de recherches comparatives sur le métabolisme du silicium dans les tissus mous et calcifiés du mammifère.
J Physiol (Paris) 65:Suppl 3:376A, 1972 **(Fre)**
AGING/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CONNECTIVE TISSUE, metabolism/ ENDOCRINE GLANDS, physiology/ FEMALE/ HUMAN/ MAGNESIUM, metabolism/ PHOSPHORUS, metabolism/ *SILICA, metabolism

617. Chartier Baraduc MM: Présence et thermostabilité de protéines liant le calcium dans les muqueuses intestinales et branchiales de divers téléostéens.
C R Acad Sci [D] (Paris) 676:785-8, 29 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CYPRINIDAE, metabolism/ *FISHES/ GILLS/ INTESTINAL ABSORPTION/ *INTESTINAL MUCOSA, metabolism/ METHODS/ MUCOUS MEMBRANE, metabolism/ *PROTEIN BINDING/ RADIOLIGAND ASSAY/ *TEMPERATURE

618. (Charvát J), Pacovský V: Periferní faktor při působení hormonů.
Cas Lek Cesk 112:617-9, 18 May 73 (Eng. Abstr.) **(Cze)**
CZECHOSLOVAKIA/ ENDOCRINE GLANDS, physiology/ ENDOCRINOLOGY, history/ ENGLISH ABSTRACT/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ *HORMONES, physiology/ HUMAN/ MALE/ NEUROHUMORS/ NEUROSECRETION/ NEUROSECRETORY SYSTEMS/ SOMATOTROPIN, metabolism/ THYROXINE, metabolism/ VASOPRESSIN, metabolism

619. (Charvát J), Matys Z, Horký K: Rozvoj steroidní endokrinologie.
Cas Lek Cesk 112:614-6, 18 May 73 (Eng. Abstr.) **(Cze)**
ADRENAL CORTEX HORMONES, history/ *ADRENAL CORTEX HORMONES, physiology/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLANDS, physiology/ BREAST NEOPLASMS, drug therapy/ CORTICOTROPIN, secretion/ CZECHOSLOVAKIA/ DESOXYCORTICOSTERONE, secretion/ ENDOCRINOLOGY, history/ ENGLISH ABSTRACT/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ MALE/ NEUROHUMORS, physiology/ NEUROSECRETION/ PROSTATIC DISEASES, drug therapy

620. Chase MH, Wyrwicka W: Electrical stimulation of the brain as reinforcement of food consumption in aphagic cats. Exp Neurol 40:153-60, Jul 73
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, therapy/ *BRAIN/ CATS/ *CONDITIONING (PSYCHOLOGY)/ DISEASE MODELS, ANIMAL/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *FEEDING BEHAVIOR/ FEMALE/ HYPOTHALAMUS/ MOTIVATION/ REINFORCEMENT (PSYCHOLOGY)/ REWARD/ *SELF STIMULATION/ SEPTUM PELLUCIDUM/ TEGMENTUM MESENCEPHALI

621. Chateau D, Roos J, Aron C: Données nouvelles sur les facteurs externes de la régulation de la durée du cycl aestral chez la ratte.
C R Acad Sci [D] (Paris) 276:2823-6, 14 May 73 **(Fre)**
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ MALE/ *ODORS/ OLFACTORY BULB, physiology/ RATS/ URINE

622. Chaurand JP, Schmitt P, Karli P: Effets de lésions du tegmentum ventral du mésencéphale sur le comportement d'agression rat-souris.
Physiol Behav 10:507-15, Mar 73 **(Fre)**
*AGGRESSION/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEEDING BEHAVIOR/ HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, physiology/ MICE/ NEURAL INTERCONNECTIONS, physiology/ RATS/ SELF STIMULATION/ TEGMENTUM MESENCEPHALI, physiology

623. Chayen J, Loveridge N, Daly JR: A sensitive bioassay for adrenocorticotrophic hormone in human plasma.
Clin Endocrinol (Oxf) 1:219-33, Jul 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOTROPIN, blood/ CORTICOTROPIN,

LIBRARY U. OF I., URBANA-CHAMPAIGN

pharmacodynamics/ DENSITOMETRY/ FEMALE/ FREEZING/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ ORGAN CULTURE

624. **Cheah JS:** Systemic lupus erythematosus in a Chinese woman presenting with gangrene of the fingers.
Aust NZ J Med 3:197-9, Apr 73
ADULT/ FEMALE/ *FINGERS, blood supply/ *GANGRENE, etiology/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ PREDNISOLONE, therapeutic use

625. **Chełmońska B:** Sezonowe zmiany w funkcjonowaniu układu rozrodczego gąsiorów w aspekcie sztuchznego unasieniania.
Pol Arch Weter 15:575-96, 1972 **(Pol)**
ANIMAL EXPERIMENTS/ EJACULATION/ EJACULATORY DUCTS/ ENGLISH ABSTRACT/ *GEESE, physiology/ GENITALIA, MALE, physiology/ *INSEMINATION, ARTIFICIAL/ MALE/ PHYSICAL STIMULATION/ SEASONS/ SPERMATOZOA, physiology/ TESTIS, anatomy & histology

626. **Chen CH, Lehninger AL:** Ca 2+ transport activity in mitochondria from some plant tissues.
Arch Biochem Biophys 157:183-96, Jul 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LANTHANUM, pharmacodynamics/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ MUSHROOMS, cytology/ MUSHROOMS, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION/ OXYGEN CONSUMPTION, drug effects/ PHOSPHATES, pharmacodynamics/ PLANTS, cytology/ PLANTS, metabolism/ RUTHENIUM, pharmacodynamics/ TIME FACTORS/ UNCOUPLING AGENTS, pharmacodynamics

627. **Chen TC, DeLuca HF:** Receptors of 1,25-dikydroxycholecalciferol in rat intestine.
J Biol Chem 248:4890-5, 25 Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, metabolism/ CHROMATIN, isolation & purification/ CHROMATIN, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ *HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, cytology/ *INTESTINE, SMALL, metabolism/ KIDNEY, physiology/ LIPOPROTEINS, metabolism/ MALE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ NEPHRECTOMY/ PROTEIN BINDING/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM/ ULTRACENTRIFUGATION/ VITAMIN D DEFICIENCY, drug therapy/ *VITAMIN D DEFICIENCY, metabolism

628. **Cheng M:** Effect of ovariectomy on the reproductive behavior of female ring doves (Streptopelia risoria).
J Comp Physiol Psychol 83:221-33, May 73
AGGRESSION/ ANIMAL EXPERIMENTS/ CASTRATION/ COURTSHIP/ FEMALE/ GROOMING/ HOUSING, ANIMAL/ MALE/ MOTOR ACTIVITY/ NESTING BEHAVIOR/ *OVARY, physiology/ *PIGEONS/ *SEX BEHAVIOR, ANIMAL/ SLEEP

629. **Cheng M:** Effect of estrogen on behavior of ovariectomized ring doves (Streptopelia risoria).
J Comp Physiol Psychol 83:234-9, May 73
ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ COURTSHIP/ *DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRU
FEMALE/ NESTING BEHAVIOR, drug ef
ORGAN WEIGHT/ *OVARY, physiology/ OVIDUCTS, anatomy & histology/ OVIDU
drug effects/ *PIGEONS/ *SEX BEHAVIO
ANIMAL, drug effects

630. **Chernik DA, Ramsey TA, Mendels J:** The eff parachlorophenylalanine on the sleep of a meth addict. Br J Psychiatry 122:191-7, Feb 73
ACTION POTENTIALS/ ADULT/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ *DRUG ADDICTION/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ ELECTROOCULOGRAPHY/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebro fluid/ HYDROXYINDOLEACETIC ACID, MALE/ *METHADONE/ SEROTONIN, physiology/ *SLEEP, drug effects/ SLEE REM, drug effects/ SLEEP STAGES/ TI FACTORS

631. **Chernosky ME, Schmidt JD:** Adverse side-effect topical fluorinated corticosteroid therapy.
Arch Dermatol 108:132-3, Jul 73
*ADRENAL CORTEX HORMONES, adver effects/ ATROPHY, chemically induced/ FEMALE/ *FLUORINE, adverse effects/ HUMAN/ PURPURA, chemically induced TELANGIECTASIS, chemically induced/ FACTORS

632. **Chiba A, Honma Y:** Identification of the cells adenohypophysis of the puffer, Fugu nip (Jordan et Snyder). Arch Histol Jap 35:195-208,
ANIMAL EXPERIMENTS/ *FISHES, ana & histology/ *PITUITARY GLAND, cyto SEAWATER/ STAINS AND STAINING

633. **Chidambaram S, Meyer RK, Hasler AD:** Eff hypophysectomy, pituitary autografts, pro temperature and salinity of the medium on and natremia in the bullhead, Ictalurus
Comp Biochem Physiol [A] 43:443-57, 1
ANIMAL EXPERIMENTS/ ENVIRONME *FISHES, metabolism/ FISHES, physiolo FRESH WATER/ HYPOPHYSECTOMY/ OSMOLAR CONCENTRATION/ PITUITA GLAND, physiology/ PITUITARY GLAN transplantation/ *PROLACTIN, pharmacodynamics/ *SODIUM, blood/ SO CHLORIDE/ TEMPERATURE/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ WATER-ELECTROLYTE BALANCE

634. **Chignell AH, Clemett RS, Revie IH:** Pigment fal uveitis after cryotherapy.
Br J Ophthalmol 57:156-65, Mar 73
ANTIBIOTICS, therapeutic use/ *CRYOTHERAPY, adverse effects/ HUM MACULA LUTEA/ PREDNISOLONE, therapeutic use/ RETINA, pathology/ *RETINAL DETACHMENT, surgery/ *RETINAL PIGMENTS/ UVEITIS, drug therapy/ *UVEITIS, etiology/ UVEITIS, pathology/ VISUAL ACUITY/ VITREOU BODY

635. **Childs EA:** Kinetics of transplacental move mercury fed in a tuna matrix to mice
Arch Environ Health 27:50-2, Jul 73
ANIMAL EXPERIMENTS/ DIET/ FEMA FETUS, analysis/ *FISHES/ KINETICS/ *MATERNAL-FETAL EXCHANGE/ MER administration & dosage/ MERCURY, a *MERCURY, metabolism/ MICE/ *PLAC metabolism/ PREGNANCY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

636. **Chiodini PG, Liuzzi A, Spinelli F, et al:** STH pla aprés mètopirone chez douze malades d'acromégalie.
Ann Endocrinol (Paris) 33:431-5, Jul-Aug
*ACROMEGALY, blood/ ADULT/ AGE ARGININE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULI

diagnostic use/ MALE/ *METYRAPONE, diagnostic use/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL

Chirvasie R, Păuşescu E, Osiescu J: Some aspects of nucleoside and nucleotide metabolism in the peripheral leukocytes during kidney allograft rejection. Rev Roum Physiol 10:149-61, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ DNA, metabolism/ DOGS/ FEMALE/ *GRAFT REJECTION/ GUANINE NUCLEOTIDES, metabolism/ *KIDNEY, transplantation/ LEUKOCYTES, enzymology/ *LEUKOCYTES, metabolism/ MALE/ *NUCLEOSIDES, metabolism/ *NUCLEOTIDES, metabolism/ RIBONUCLEASE, metabolism/ RNA, metabolism/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS/ URACIL NUCLEOTIDES, metabolism

Chisholm M: An immunological approach to the treatment of malignant disease.
Ir J Med Sci 100-7, May 73
ANTINEOPLASTIC AGENTS/ BURKITT'S LYMPHOMA, drug therapy/ CHLORAMBUCIL, therapeutic use/ CITROVORUM FACTOR, therapeutic use/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HUMAN/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INJECTIONS, INTRATHECAL/ *LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ METHOTREXATE, therapeutic use/ *NEOPLASMS, drug therapy/ NEOPLASMS, immunology/ PREDNISONE, therapeutic use/ VINCRISTINE, therapeutic use

Chiswick ML, Jack PM, Ahmed A, et al: Endocrine control of fetal lung development in the rabbit.
Arch Dis Child 48:327, Apr 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, physiology/ ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ FEMALE/ LUNG, cytology/ LUNG, drug effects/ *LUNG, embryology/ *PITUITARY GLAND, physiology/ PREGNANCY/ RABBITS

Chiszar D, Pannabecker BJ: Cyclical wheel-running behavior in pregnant rats. Behav Biol 8:399-405, Mar 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ FSH, physiology/ LH, physiology/ *LOCOMOTION/ OVARY, physiology/ *PERIODICITY/ PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ VAGINAL SMEARS

Chiapowski FJ, Butcher RW: Subcellular distribution of adenyl cyclase and phosphodiesterase in Acanthamoeba palestinensis.
Biochim Biophys Acta 309:138-48, 5 May 73
*ADENYL CYCLASE, analysis/ AMOEBA, analysis/ AMOEBA, cytology/ *AMOEBA, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ ENDOPLASMIC RETICULUM, enzymology/ MICROSCOPY, ELECTRON/ MICROSOMES, enzymology/ *PHOSPHODIESTERASES, analysis/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM

Cho-Chung YS, Gullino PM: Mammary tumor regression. V. Role of acid ribonuclease and cathepsin. J Biol Chem 248:4743-9, 10 Jul 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ *CATHEPSIN, metabolism/ CRYSTALLIZATION/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ GEL DIFFUSION TESTS/ HEAT/ HYDROGEN-ION CONCENTRATION/ LYSOSOMES, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ *NEOPLASM REGRESSION, SPONTANEOUS, enzymology/ NEOPLASM TRANSPLANTATION/ PUROMYCIN, pharmacodynamics/ RABBITS, immunology/ RATS/ REMISSION/ RIBONUCLEASE, isolation & purification/ *RIBONUCLEASE, metabolism/ SEX HORMONES, pharmacodynamics/ TIME FACTORS

643. **Cho-Chung YS, Gullino PM:** Mammary tumor regression. VI. Synthesis and degradation of acid ribonuclease. J Biol Chem 248:4750-5, 10 Jul 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CARBON ISOTOPES/ FEMALE/ GEL DIFFUSION TESTS/ GLUCOSE, metabolism/ HYDROGEN-ION CONCENTRATION/ LEUCINE, metabolism/ LYSOSOMES, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MODELS, CHEMICAL/ NEOPLASM PROTEINS, biosynthesis/ NEOPLASM PROTEINS, metabolism/ *NEOPLASM REGRESSION, SPONTANEOUS, enzymology/ NEOPLASM TRANSPLANTATION/ PRECIPITIN TESTS/ RABBITS, immunology/ RATS/ REMISSION/ RIBONUCLEASE, biosynthesis/ *RIBONUCLEASE, metabolism/ SEX HORMONES, pharmacodynamics/ TIME FACTORS/ TRITIUM

644. **Chokshi HR:** Uptake of radioactive sulphate by chick embryonic limb-bone rudiments.
Indian J Biochem Biophys 9:138-40, Jun 72
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CATTLE/ CHICK EMBRYO/ FEMUR, metabolism/ HUMERUS, metabolism/ IN VITRO/ MUCOPOLYSACCHARIDES, biosynthesis/ MUCOPOLYSACCHARIDES, metabolism/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ STIMULATION, CHEMICAL/ *SULFATES, metabolism/ SULFUR ISOTOPES/ TIBIA, metabolism

645. **Chong GC, Cooper T, Payne WS:** Steroid-induced mediastinal lipomatosis. Minn Med 56:597-8, Jul 73
AZATHIOPRINE, therapeutic use/ HUMAN/ *LIPOMATOSIS, chemically induced/ MALE/ *MEDIASTINAL DISEASES, chemically induced/ MIDDLE AGE/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

646. **Chopra IJ, Solomon DH, Chua Teco GN:** Thyroxine: just a prohormone or a hormone too?
J Clin Endocrinol Metab 36:1050-7, Jun 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD/ HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, drug therapy/ INFANT, NEWBORN/ IODINE ISOTOPES/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, therapeutic use/ UMBILICAL CORD

647. **Chopra IJ, Solomon DH:** Hyperthyroidism induced by thyrotropin-releasing hormone in mice.
Endocrinology 92:1731-5, Jun 73
ANIMAL EXPERIMENTS/ *HYPERTHYROIDISM, chemically induced/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ MICE/ ORGAN WEIGHT/ THYROID GLAND, drug effects/ *THYROTROPIN RELEASING FACTOR/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROXINE, blood/ TIME FACTORS

648. **Chowdhury SD, Higgins PM:** Sarcoid of the testis.
Br J Urol 45:218-20, Apr 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ SARCOIDOSIS, diagnosis/ *SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology/ *TESTICULAR DISEASES, drug therapy/

LIBRARY U. OF I., URBANA-CHAMPAIGN

TESTICULAR DISEASES, pathology/
TESTICULAR NEOPLASMS, diagnosis

649. **Christenson T, Wallen K, Brown BA, et al:** Effects of castration, blindness and anosmia on social reactivity in the male Mongolian gerbil (Meriones unguiculatus). Physiol Behav 10:989-94, Jun 73
AGGRESSION/ ANIMAL EXPERIMENTS/ ANOSMIA, chemically induced/ BLINDNESS/ *CASTRATION/ *GERBILS, physiology/ HOUSING, ANIMAL/ LOCOMOTION/ MALE/ OLFACTORY BULB, physiology/ OLFACTORY MUCOSA/ REACTION TIME/ SEX FACTORS/ *SMELL/ *SOCIAL BEHAVIOR/ SULFATES/ *VISUAL PERCEPTION/ ZINC

650. **Christie DW, Bell ET:** Studies on canine reproductive behaviour during the normal oestrous cycle. Anim Behav 20:621-31, Nov 72
ANIMAL EXPERIMENTS/ COURTSHIP/ *DOGS/ *ESTRUS/ FEMALE/ MALE/ PERIODICITY/ PROBABILITY/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ SOCIAL BEHAVIOR

651. **Christophe J, Robberecht P, Deschodt-Lanckman M, et al:** Biologie cellulaire du pancréas exocrine. Bull Acad R Med Belg 12:323-59, 1972 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ AMYLASE, biosynthesis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CHYMOTRYPSINOGEN, biosynthesis/ ENGLISH ABSTRACT/ GLUCOSE, pharmacodynamics/ *HYDROLASES, biosynthesis/ HYDROLASES, metabolism/ LIPASE, biosynthesis/ OSMOLAR CONCENTRATION/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PANCREAS, secretion/ PANCREOZYMIN, metabolism/ PROSTAGLANDINS, metabolism/ RATS/ TRYPSINOGEN, biosynthesis

652. **Christow CP:** Experimente über den Einfluss von Metaboliten und Antimetaboliten am Modell von Trichomonas vaginalis. XI. Versuche mit Desthiobiotin, Pregnandion, Hesperidin u. a. organischen Substanzen.
Zentralbl Bakteriol [Orig A] 219:394-406, Mar 72 (Ger)
BENZENE DERIVATIVES, pharmacodynamics/ *BIOFLAVONOIDS, pharmacodynamics/ CAPROATES, pharmacodynamics/ CHLORINE, pharmacodynamics/ ENGLISH ABSTRACT/ GAMMA GLOBULIN, pharmacodynamics/ *HEPARIN, pharmacodynamics/ *IMIDAZOLES, pharmacodynamics/ INDOLEACETIC ACID, pharmacodynamics/ *PREGNANES/ THYMIDINE, pharmacodynamics/ THYMINE, pharmacodynamics/ *TRICHOMONAS VAGINALIS, drug effects/ UREA, pharmacodynamics/ URIC ACID, pharmacodynamics

653. **Christy NP:** Radioimmunoassay of human plasma ACTH and the pathogenesis of Cushing's disease. Mt Sinai J Med NY 40:298-301, May-Jun 73
*CORTICOTROPIN, blood/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, blood/ *CUSHING'S SYNDROME, etiology/ HUMAN/ RADIOIMMUNOASSAY

654. **Cicognani A, Mei V, Pirazzoli P, et al:** Accrescimento staturale e secrezione di somatotropo in bambini con sindrome nefrosica variamente trattati. Minerva Pediatr 25:583-92, 14 Apr 73 (Ita)
AZATHIOPRINE, therapeutic use/ *BODY HEIGHT, drug effects/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GROWTH DISORDERS, etiology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY DISEASES, complications/ MALE/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, therapeutic use/ *SOMATOTROPIN, secretion

655. **Cicognani A, Pirazzoli P, Demeyts P, et al:** Comportamento della corticotropinemia e della cortisolemia nell'ipoglicemia provocata da insulina. Valutazione dell'ACTH plasmatico mediante m radioimmunologico.
Minerva Pediatr 25:683-7, 28 Apr 73
BLOOD SUGAR/ CHILD/ *CORTICOTROP blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ *HYPOGLYCEMIA, chemically induced/ *INSULIN/ INSULIN, diagnostic use/ MA PITUITARY DISEASES, diagnosis/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY

656. **Cihák A, Veselý J, Inoue H, et al:** Effect 5-azacytidine on dietary and hormone induct serine dehydratase and tyrosine aminotransfer rat liver. Biochem Pharmacol 21:2545-53, 1 C
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIME AZACYTIDINE, pharmacodynamics/ *CORTISONE, pharmacodynamics/ *CYTID pharmacodynamics/ DIET/ ENZYME INDUCTION, drug effects/ KINETICS/ LEUCINE, metabolism/ LIVER, drug effe *LIVER, enzymology/ MALE/ PRECIPITI TESTS/ RABBITS, immunology/ RATS/ *SERINE DEHYDRATASE, biosynthesis/ FACTORS/ *TRIAZINES, pharmacodynami TRITIUM/ TRYPTOPHAN, administration dosage/ TRYPTOPHAN, pharmacodynamic TYROSINE AMINOTRANSFERASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, biosynthesis

657. **Cliento R:** Indian Colonel syndrome. Br Med J 2:660-1, 16 Jun 73
ACCLIMATIZATION/ CHILD/ COLD/ FEMALE/ HUMAN/ *HYPERALDOSTER complications/ *HYPERTENSION, complications/ MALE/ MIDDLE AGE/ SYNDROME/ TROPICAL CLIMATE/ WATER-ELECTROLYTE BALANCE

658. **Citharel A, Ebels I, L'Héritier A, et al:** Ephiphyseal-hypothalamic interaction. An i study with some sheep pineal fractions. Experientia 29:718-9, 15 Jun 73
ANIMAL EXPERIMENTS/ GEL FILTRA HYPOTHALAMO-HYPOPHYSEAL SYSTE HYPOTHALAMO-HYPOPHYSEAL SYSTE HYPOTHALAMO-HYPOPHYSEAL SYSTE HYPOTHALAMO-HYPOPHYSEAL SYSTE drug effects/ HYPOTHALAMO-HYPOPH SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTE drug effects/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, secreti VITRO/ MALE/ MICE/ *PINEAL BODY PITUITARY HORMONE RELEASING FACTORS, secretion/ SHEEP/ TISSUE EXTRACTS, isolation & purification/ *T EXTRACTS, pharmacodynamics

659. **Clark JH, Spahr SL, Derrig RG:** Urea utiliza lactating cows. J Dairy Sci 56:763-74, J
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CATTLE, physiology/ DIET FATS, analysis/ FEMALE/ *LACTATIO MILK, analysis/ MILK PROTEINS, analy NITROGEN, metabolism/ NITROGEN, u SILAGE/ *UREA, metabolism

660. **Clark JR, Edey TN, First NL, et al:** Effects genetic groups and two levels feeding on o rate and follicular development in puber J Anim Sci 36:1164-9, Jun 73
ANIMAL EXPERIMENTS/ *ANIMAL FE CORPUS LUTEUM, anatomy & histolog *CROSSES, GENETIC/ ESTRUS/ FEMA *GRAAFIAN FOLLICLE, growth & development/ ORGAN WEIGHT/ OVAR anatomy & histology/ *OVULATION/ PITUITARY GLAND, anatomy & histol PUBERTY/ *SWINE, physiology

661. **Clark SL Jr, Schneider GB:** Role of the adrenal maturation of the lymphoid system and immunological competence; the effects aminoglutethimide in suckling mice. Am J Anat 137:231-55, Jul 73
ADRENAL GLANDS, drug effects/ AD

GLANDS, growth & development/ ADRENAL GLANDS, immunology/ *ADRENAL GLANDS, physiology/ AGE FACTORS/ AMINOGLUTETHIMIDE, administration & dosage/ AMINOGLUTETHIMIDE, adverse effects/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIBODIES, metabolism/ ANTIBODY FORMATION, drug effects/ BLOOD CELLS, drug effects/ BODY WEIGHT, drug effects/ GLUCOCORTICOIDS, biosynthesis/ INTESTINAL ABSORPTION/ LYMPH NODES, drug effects/ *LYMPHATIC SYSTEM, growth & development/ LYMPHOID TISSUE, cytology/ LYMPHOID TISSUE, drug effects/ LYMPHOID TISSUE, growth & development/ MICE/ ORGAN WEIGHT/ SPLEEN, drug effects/ THYMUS GLAND, drug effects/ THYMUS GLAND, physiology

Clark WG, Coldwell BA: The hypothermic effect of tetrodotoxin in the unanaesthetized cat.
J Physiol (Lond) 230:477-92, Apr 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BODY TEMPERATURE, drug effects/ BODY TEMPERATURE REGULATION, drug effects/ CATS/ CEREBRAL VENTRICLES/ COLD/ DEPRESSION, CHEMICAL/ EDTA, pharmacodynamics/ HEAT/ INJECTIONS, INTRAVENOUS/ MOTOR ACTIVITY, drug effects/ PROSTAGLANDINS, pharmacodynamics/ PYROGENS, pharmacodynamics/ RESPIRATION, drug effects/ SHIVERING/ STRESS/ TETRODOTOXIN, administration & dosage/ TETRODOTOXIN, antagonists & inhibitors/ *TETRODOTOXIN, pharmacodynamics/ TIME FACTORS

Claus D: Les tumeurs surrénaliennes de l'enfant.
J Belge Radiol 55:615-21, Nov-Dec 72 **(Fre)**
*ADENOCARCINOMA, radiography/ *ADRENAL GLAND NEOPLASMS, radiography/ *CARCINOMA, radiography/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ *NEUROBLASTOMA, radiography

Closset J, Maghuin-Rogister G, Combarnous Y, et al: Structure primaire des sous-unités de l'hormone lutétinisante (LH); comparaison des séquences en acides aminés des sousunités a et beta de LH d'origine ovine, bovine, porcine et humaine.
Arch Int Physiol Biochim 81:174-6, Feb 73 **(Fre)**
AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ CATTLE/ HUMAN/ *LH, analysis/ MICROCHEMISTRY/ *PEPTIDES, analysis/ SHEEP/ SPECIES SPECIFICITY/ SWINE

Clouet E, Paris R, Clément J: Incorporation de phosphate 32P et d'acide palmitique 3H dans les lipides du foie chez le rat intact et thyréoprive.
Arch Sci Physiol (Paris) 26:257-65, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *LIPIDS, metabolism/ *LIVER, metabolism/ MALE/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ *PALMITIC ACID, metabolism/ *PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ TRITIUM

Cobb LM, Boesen EA, Neville AM: Clear cell carcinoma of the human ovary transplanted to the peritoneal cavity of the hamster. Transplantation 16:76-8, Jul 73
ADENOCARCINOMA/ ADULT/ ANIMAL EXPERIMENTS/ ASCITIC FLUID/ FEMALE/ HAMSTERS/ HUMAN/ IMMUNE SERUMS/ IMMUNOSUPPRESSION/ T-LYMPHOCYTES, immunology/ *MESONEPHROMA/ METHODS/ *NEOPLASM TRANSPLANTATION/ OMENTUM/ *OVARIAN NEOPLASMS/ PERITONEAL CAVITY/ RABBITS, immunology/ *TRANSPLANTATION, HETEROLOGOUS

Cobben JJ: Ademhalingsmoeilijkheden bij de pasgeborene.
J Belge Radiol 55:631-4, Nov-Dec 72 **(Dut)**
ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, radiography/ METHODS/ OSTEOGENESIS IMPERFECTA, radiography/ PNEUMOPERITONEUM, radiography/ PNEUMOTHORAX, radiography/ *RESPIRATORY INSUFFICIENCY, radiography

668. **Cobon GS, Haslam JM:** The effect of altered membrane sterol composition on the temperature dependence of yeast mitochondrial ATPase.
Biochem Biophys Res Commun 52:320-6, 1 May 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANAEROBIOSIS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ ERGOSTEROL, administration & dosage/ ERGOSTEROL, analysis/ ERGOSTEROL, pharmacodynamics/ KINETICS/ *MITOCHONDRIA, enzymology/ SACCHAROMYCES CEREVISIAE, cytology/ *SACCHAROMYCES CEREVISIAE, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ *VITAMIN D, pharmacodynamics

669. **Coceani F, Olley PM:** The response of the ductus arteriosus to prostaglandins.
Can J Physiol Pharmacol 51:220-5, Mar 73
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DUCTUS ARTERIOSUS, drug effects/ FEMALE/ IN VITRO/ MUSCLE, SMOOTH, drug effects/ OXYGEN CONSUMPTION/ PAPAVERINE, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP

670. **Cochran M, Bulusu L, Horsman A, et al:** Hypocalcaemia and bone disease in renal failure.
Nephron 10:113-40, 1973
ACIDOSIS, complications/ ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ BICARBONATES, blood/ BIOPSY/ BONE AND BONES, metabolism/ BONE RESORPTION, etiology/ CALCIUM, metabolism/ CALCIUM, urine/ CHILD/ CHILD, PRESCHOOL/ CREATININE, blood/ DENSITOMETRY, X-RAY/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYDROXYPROLINE, urine/ *HYPOCALCEMIA, etiology/ ILIUM, metabolism/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ METACARPUS, metabolism/ MIDDLE AGE/ *OSTEOMALACIA, etiology/ PHOSPHATES, blood/ PHOSPHATES, urine

671. **Cockett SA, Kiernan JA:** Acceleration of peripheral nervous regeneration in the rat by exogenous triiodothyronine. Exp Neurol 39:389-94, Jun 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ *NERVE REGENERATION, drug effects/ NERVE TISSUE PROTEINS, biosynthesis/ *PERIPHERAL NERVES, drug effects/ PERIPHERAL NERVES, physiology/ RATS/ SCIATIC NERVE, drug effects/ SCIATIC NERVE, metabolism/ SCIATIC NERVE, physiology/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

672. **Codaccioni JL, Aquaron R, Jaquet P, et al:** Etude de la fonction hypophyso-thyroïdienne par la T.R.H. synthétique en pathologie thyroïdienne.
Ann Endocrinol (Paris) 33:317-30, Jul-Aug 72 **(Fre)**
ADULT/ AGED/ BLOOD PROTEINS/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, physiopathology/ IODINE, blood/ KINETICS/ MIDDLE AGE/ MYXEDEMA, blood/ MYXEDEMA, congenital/ *MYXEDEMA, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ PROTEIN BINDING/ RADIOISOTOPE SCANNING/ STIMULATION, CHEMICAL/ THYROID DISEASES, diagnosis/ THYROID GLAND, surgery/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*THYROTROPIN RELEASING FACTOR, diagnostic use

673. Codaccioni JL, Jean R, Depieds R, et al: Confrontation des données cliniques, histopathologiques et biologiques dans le diagnostic des thyroïdites.
Ann Endocrinol (Paris) 33:404-16, Jul-Aug 72 (Fre)
ANTINUCLEAR FACTORS, analysis/ AUTOANTIBODIES, analysis/ BLOOD PROTEINS/ CARCINOMA, diagnosis/ CARCINOMA, pathology/ CHRONIC DISEASE/ COMPLEMENT FIXATION TESTS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FLUORESCENT ANTIBODY TECHNIC/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE, blood/ PROTEIN BINDING/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ *THYROIDITIS, diagnosis/ THYROIDITIS, pathology/ THYROIDITIS, LYMPHOMATOUS, diagnostic use/ THYROIDITIS, LYMPHOMATOUS, pathology/ THYROTROPIN, blood

674. Cody V, Duax WL: Distal conformation of thyroid hormones. The crystal structure of 3,5,3'-triiodothyroacetic acid H-diethanolamine (1:1) complex.
Biochem Biophys Res Commun 52:430-3, 15 May 73
ACETIC ACIDS/ CRYSTALLIZATION/ ETHANOLAMINES/ *MOLECULAR CONFORMATION/ TRIIODOTHYRONINE/ X-RAY DIFFRACTION

675. Cohen A: Plasma corticosterone concentration in the foetal rat. Horm Metab Res 5:66, Jan 73
ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ RATS

676. Cohen G: Tetrahydroisoquinoline alkaloids: uptake, storage, and secretion by the adrenal medulla and by adrenergic nerves.
Ann NY Acad Sci 215:116-9, 30 Apr 73
*ADRENAL MEDULLA, metabolism/ ADRENERGIC FALSE TRANSMITTERS/ *ALKALOIDS, metabolism/ ALKALOIDS, secretion/ ANIMAL EXPERIMENTS/ DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ *ISOQUINOLINES, metabolism/ ISOQUINOLINES, secretion/ *NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, metabolism

677. Cohen J, Audebert A, Brux J de, et al: Les stérilités par dysovulation: rôle pronostique et thérapeutique de la biopsie ovarienne percoelioscopiue.
J Gynecol Obstet Biol Reprod (Paris) 1:657-71, Oct-Nov 72 (Fre)
ADULT/ BIOPSY/ CORPUS LUTEUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ GRAAFIAN FOLLICLE, pathology/ HUMAN/ OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ OVARY, blood supply/ *OVARY, pathology/ *OVULATION/ PERITONEOSCOPY/ PROGNOSIS/ SCLEROSIS, diagnosis/ SEX HORMONES, analysis/ STATISTICS/ STERILITY, FEMALE, complications/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, therapy/ VASCULAR DISEASES, diagnosis

678. Cohen M, Dumont M, Bertrand J: Les grossesses à risque élevé. Valeur pronostique et limites du dosage plasmatiue de la somatomammotrophine chorionique humaine (HCS.
J Gynecol Obstet Biol Reprod (Paris) 1:697-713, Oct-Nov 72 (Fre)
ABORTION, THREATENED, blood/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ GROWTH DISORDERS, blood/ HUMAN/ IMMUNIZATION/ LABOR, PREMATURE, blood/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, blood/ PROGNOSIS/ RADIOIMMUNOASSAY RH FACTORS

679. Cohen N, Wrenn ME: Metabolic characteristics o Am in the adult baboon. Radiat Res 55:129-43, J
AMERICIUM, blood/ *AMERICIUM, metabolism/ AMERICIUM, urine/ ANIMAL EXPERIMENTS/ *BABOONS, metabolism/ BONE AND BONES, metabolism/ FECES, metabolism/ FEMALE/ LIVER, metabolism MONKEYS

680. Cohn ML, Yamaoka H, Taylor FH, et al: Acti intracerebroventricular dibutyryl cyclic AM amobarbital anaesthesia in rats.
Neuropharmacology 12:401-5, May 73
ADENINE NUCLEOTIDES, pharmacodynam ADENOSINE CYCLIC 3',5' MONOPHOSPH administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *AMOBARBITAL, antagonists & inhibitors/ *ANESTHESIA/ ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANINE NUCLEOTIDES, pharmacodynamics/ MALE RATS/ SLEEP, drug effects/ TIME FACT

681. Colasanti B, Khazan N: Antagonism of the electroencephalographic and behavioral effec morphine in the rat by depletion of brain bio amines. Neuropharmacology 12:463-9, May
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMIN metabolism/ *BRAIN, metabolism/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DOPAMINE, metaboli ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FEMALE/ METHYLTYROSINES, pharmacodynamics/ *MORPHINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SLEEP, drug effects

682. Colburn WA, Buller RH: Radioimmunoassay prednisolone. Steroids 21:833-46, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BINDING SITES, ANTIB CROSS REACTIONS/ DOGS/ EVALUATIO STUDIES/ GOATS, immunology/ HUMAN/ MALE/ METHODS/ PREDNISOLONE, administration & dosage/ *PREDNISOLON blood/ PREDNISONE, administration & dosage/ PREDNISONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM

683. Colby HD, Caffrey JL, Kitay JI: Interaction of g hormone and ACTH in the regulation of adrenocortical secretion in rats.
Endocrinology 93:188-92, Jul 73
*ADRENAL GLANDS, drug effects/ ADR GLANDS, enzymology/ ADRENAL GLAND metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, secretion/ *CORTICOTROPIN, pharmacodynamics/ DI INTERACTIONS/ HYPOPHYSECTOMY/ IN VITRO/ MALE/ OXIDOREDUCTASES, metabolism/ PITUITARY GLAND, physiol RATS/ *SOMATOTROPIN, pharmacodynam

684. Cole FE, Davis K, Huseby RA, et al: Gonado receptor of a mouse luteoma: interactions luteinizing hormone (LH) and its and sub
Biol Reprod 8:550-9, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CEL CULTURED/ CHLORAMINES, metabolism FSH, pharmacodynamics/ *GONADOTROPI CHORIONIC, pharmacodynamics/ IODINE ISOTOPES/ ISOTOPE LABELING/ *LH, metabolism/ METHODS/ MICE/ MOLECU CONFORMATION/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PEPTID PEROXIDASES/ RADIOLIGAND ASSAY/ *RECEPTORS, HORMONE, drug effects/

SHEEP/ SOMATOTROPIN, pharmacodynamics/ THECA CELL TUMOR, enzymology/ *THECA CELL TUMOR, metabolism/ THYROTROPIN, pharmacodynamics

. **Cole MP, Todd ID, Wilkinson PM:** Cyclophosphamide and nandrolone decanoate in the treatment of advanced carcinoma of the breast--results of a comparative controlled trial of the agents used singly and in combination. Br J Cancer 27:396-9, May 73
ADMINISTRATION, ORAL/ ADULT/ *BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ HAIR, drug effects/ HAIR REMOVAL/ HUMAN/ INJECTIONS, INTRAVENOUS/ LEUKOCYTES, drug effects/ MIDDLE AGE/ NANDROLONE, administration & dosage/ *NANDROLONE, therapeutic use/ VOMITING, chemically induced

. **Cole RA, Twarog BM:** Relaxation of catch in a molluscan smooth muscle. I. Effects of drugs which act on the adenyl cyclase system.
Comp Biochem Physiol [A] 43:321-30, 1 Oct 72
ACETYLCHOLINE, pharmacodynamics/ *ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIMETABOLITES, pharmacodynamics/ AZIDES, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CURARE-LIKE AGENTS/ CYANIDES, pharmacodynamics/ FLUORIDES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, enzymology/ *MUSCLE, SMOOTH, physiology/ MUSSELS/ NICOTINIC ACID, pharmacodynamics/ SEAWATER/ SEROTONIN, pharmacodynamics/ TEMPERATURE/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

. **Cole RB, Levin SE:** Congenital heart disease associated with the Russell-silver syndrome.
S Afr Med J 47:989-90, 18 Jun 73
*ABNORMALITIES, MULTIPLE/ CASE REPORT/ CHILD, PRESCHOOL/ *CRANIOFACIAL DYSOSTOSIS/ *DWARFISM, congenital/ FEMALE/ HUMAN/ *PULMONARY VALVE STENOSIS, congenital/ SYNDROME

. **Coleman DJ, Carroll FD:** A new technique for evaluation of optic neuropathy.
Trans Am Ophthalmol Soc 70:154-63, 1972
*EYE DISEASES, diagnosis/ EYE DISEASES, etiology/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ INFLAMMATION/ *OPTIC NERVE/ OPTIC NERVE, anatomy & histology/ ORBIT, pathology/ *ULTRASONICS, diagnostic use

). **Coleman DJ, Jack RL, Franzen LA:** B-scan ultrasonography of orbital lymphangiomas.
Br J Ophthalmol 57:193-8, Mar 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ INFANT/ LYMPHANGIOMA, complications/ *LYMPHANGIOMA, diagnosis/ LYMPHANGIOMA, pathology/ MALE/ ORBITAL NEOPLASMS, complications/ *ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, pathology/ *ULTRASONICS, diagnostic use

). **Coleman V:** Betnovate--a powerful steroid.
Nurs Times 69:571, 3 May 73
*BETAMETHASONE, therapeutic use/ *DERMATOLOGIC AGENTS/ HUMAN/ *SKIN DISEASES, drug therapy

691. **Colette C, Gillet JY, Zurlinden B, et al:** Appréciation de la maturité et du risque foetal.
Nouv Presse Med 1:2807-10, 25 Nov 72 (Fre)
AMNIOTIC FLUID, analysis/ ESTRIOL, urine/ FETAL DEATH/ *FETAL DISEASES, diagnosis/ FETAL HEART/ *GESTATIONAL AGE/ LABOR, INDUCED/ LECITHINS, analysis/ MECONIUM/ OXYTOCIN, diagnostic use/ RH FACTORS/ SPHINGOMYELINS, analysis/ ULTRASONICS, diagnostic use

692. **Collin JP, Meiniel A:** L'organe pinéal du genre Lacerta (reptile, lacertilien): action d'enzymes protéolytiques sur les grains denses (500-3400 A) des photorécepteurs rudimentaires.
C R Soc Biol (Paris) 166:370-4, 9 Nov 72 (Fre)
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ GOLGI APPARATUS/ *LIZARDS/ MICROSCOPY, ELECTRON/ PAPAIN, pharmacodynamics/ PEPSIN, pharmacodynamics/ *PEPTIDE HYDROLASES, pharmacodynamics/ *PHOTORECEPTORS, drug effects/ *PINEAL BODY, drug effects/ PRONASE, pharmacodynamics/ REPTILES/ TRYPSIN, pharmacodynamics

693. **Collomb H, Quenum C, Girard PL, et al:** Processus Expansifs intracrâniens au Sénégal.
Afr J Med Sci 4:143-59, Apr 73 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *BRAIN DISEASES, occurrence/ *BRAIN NEOPLASMS, occurrence/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GLIOMA, occurrence/ HUMAN/ MALE/ MENINGIOMA, occurrence/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, VASCULAR TISSUE, occurrence/ NEUROMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SENEGAL

694. **Colombo JA, Sawyer CH:** Plasma LH changes following cortical spreading depression in female rats.
Endocrinology 93:182-7, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTROENCEPHALOGRAPHY/ ESTRADIOL, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *LH, blood/ MOVEMENT/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ RESPIRATION/ *SPREADING CORTICAL DEPRESSION/ TIME FACTORS

695. **Colonna AO, Gros EG:** Synthesis of 3 -acetoxy-24-norchola-5,20(22)-dien-23-al. A new intermediate for an improved synthesis of (24- 14 C)-cholesterol. J Steroid Biochem 4:171-9, Mar 73
ALDEHYDES, chem synthesis/ CARBON ISOTOPES/ CHEMISTRY/ *CHOLANES, chem synthesis/ *CHOLESTEROL, chem synthesis/ HYDROGENATION/ ISOTOPE LABELING/ *NORSTEROIDS, chem synthesis/ PREGNENOLONE

696. **Conaway HH, Waite LC, Kenny AD:** Immobilization and bone mass in rats. Effects of parathyroidectomy and acetazolamide. Calcif Tissue Res 11:323-30, 30 Mar 73
*ACETAZOLAMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BONE AND BONES/ BONE RESORPTION/ *DENERVATION/ FEMALE/ HUMERUS/ HYPERCALCEMIA/ *IMMOBILIZATION/ MALE/ ORGAN WEIGHT/ OSTEOPOROSIS/ *PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, surgery/ RATS/ SODIUM/ STATISTICS

697. **Concepción MB:** Studies in family planning. 5. Philippines. Stud Fam Plann 4:114-7, May 73
ADOLESCENCE/ ADULT/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ COSTS AND COST ANALYSIS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ LEGISLATION/ METHODS/ PHILIPPINES/ PREGNANCY/ STATISTICS

698. **Coniglio LP, Paup DC, Clemens LG:** Hormonal factors controlling the development of sexual behavior in the male golden hamster. Physiol Behav 10:1087-94, Jun 73

LIBRARY U. OF I. URBANA-CHAMPAIGN

ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BENZOATES/ CASTRATION/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ HAMSTERS/ MALE/ PENIS, drug effects/ PENIS, growth & development/ PROPIONATES/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

699. **Connell MJ, Ramsey HE, Whang-Peng J, et al:** Testicular feminization syndrome in three sibs: emphasis on gonadal neoplasia.
Am J Med Sci 265:321-33, Apr 73
ADULT/ DISGERMINOMA, complications/ DISGERMINOMA, pathology/ DISGERMINOMA, radiotherapy/ *DISGERMINOMA, surgery/ ESTROGENS, therapeutic use/ FEMALE/ *GONADS, abnormalities/ GONADS, surgery/ GYNECOLOGIC NEOPLASMS, complications/ *GYNECOLOGIC NEOPLASMS, familial & genetic/ HUMAN/ KARYOTYPING/ NEOPLASM METASTASIS/ PEDIGREE/ *SERTOLI CELL TUMOR, complications/ SERTOLI CELL TUMOR, pathology/ SERTOLI CELL TUMOR, radiotherapy/ SERTOLI CELL TUMOR, surgery/ TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, drug therapy/ *TESTICULAR FEMINIZATION, familial & genetic/ TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

700. **Connor B:** Case for diagnosis: leukocytoclastic vasculitis. Proc R Soc Med 66:438-40, May 73
ANEMIA/ *ARTERITIS, diagnosis/ BLOOD SEDIMENTATION/ BODY WEIGHT/ DAPSONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *LEUKOCYTOSIS, diagnosis/ MALE/ MIDDLE AGE/ MYXEDEMA, complications/ PERIARTERITIS NODOSA, diagnosis/ PHLEBITIS, diagnosis/ PREDNISONE, therapeutic use/ *SKIN DISEASES, diagnosis

701. **Conroy JF:** Cancer chemotherapy: mechanisms of action. Semin Drug Treat 3:5-14, Summer 73
ALKALOIDS, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTINEOPLASTIC AGENTS, classification/ BINDING SITES/ CITROVORUM FACTOR, therapeutic use/ CYTARABINE, therapeutic use/ DRUG SYNERGISM/ ENZYMES, therapeutic use/ FOLIC ACID ANTAGONISTS, therapeutic use/ HUMAN/ HYDROXYUREA, therapeutic use/ MECHLORETHAMINE, therapeutic use/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, pharmacodynamics/ MITOMYCIN, therapeutic use/ *NEOPLASMS, drug therapy/ NUCLEIC ACIDS/ PURINES, antagonists & inhibitors/ PYRIMIDINES, antagonists & inhibitors/ STEROIDS, therapeutic use/ TETRAHYDROFOLATE DEHYDROGENASE, antagonists & inhibitors/ THIOGUANINE, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

702. **Constantopoulos A, Najjar VA:** Adenyl cyclase of polymorphonuclear leukocytes.
Nature [New Biol] 243:268-9, 27 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ IMMUNOGLOBULINS, FD, pharmacodynamics/ LATEX PARTICLES/ LEUKOCYTES, cytology/ *LEUKOCYTES, enzymology/ OLIGOPEPTIDES, pharmacodynamics/ PHAGOCYTOSIS/ RABBITS

703. **Contesse G, Bracone-Maihle A, Gros F:** Interaction between lambda or phi80 prophage induction and operon expression. J Mol Biol 73:527-31, 5 Feb
ADENOSINE CYCLIC 3',5' MONOPHOSPHA
*COLIPHAGES, metabolism/ CULTURE MEDIA/ ENZYME REPRESSION/ *ESCHERICHIA COLI, metabolism/ FUCOSE metabolism/ GALACTOSE/ GALACTOSIDAS biosynthesis/ *OPERON/ SPECTROPHOTOMETRY/ TRYPTOPHAN, metabolism/ TRYPTOPHANASE, biosynthesi

704. **Contractor SF, Davies H:** Effect of human chori somatomammotrophin and human chorionic gonadotrophin on phytohaemagglutinin-induce lymphocyte transformation.
Nature [New Biol] 243:284-6, 27 Jun 73
DEPRESSION, CHEMICAL/ DOSE-RESPONS RELATIONSHIP, DRUG/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *LYMPHOCYT TRANSFORMATION, drug effects/ MALE/ *PLACENTAL LACTOGEN, pharmacodynam PLANT AGGLUTININS, pharmacodynamics/ PREGNANCY

705. **Cooke ID:** Results of treatments of infertile wo with defective luteal phases by human menopa gonadotrophin and human chorionic gonadotrop
J Reprod Fertil 33:355, May 73
*CORPUS LUTEUM/ FEMALE/ *GONADOTROPINS, CHORIONIC, therapeut use/ HUMAN/ *MENOTROPINS, therapeuti use/ PREGNANEDIOL, urine/ PROGESTERONE, blood/ *STERILITY, FEMALE, drug therapy

706. **Cooksey EJ, Rothwell B:** The ultrastructure of Sertoli cell and its differentiation in the dom fowl (Gallus domesticus). J Anat 114:329-45, Ap
ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION *CHICKENS, anatomy & histology/ EJACULATORY DUCTS, cytology/ ENDOPLASMIC RETICULUM/ GERM CELL GUINEA PIGS/ HUMAN/ HYDROXYSTERO DEHYDROGENASE, biosynthesis/ INTERCELLULAR JUNCTIONS/ MALE/ MITOCHONDRIA/ PHAGOCYTOSIS/ RATS/ RIBOSOMES/ SERTOLI CELLS, analysis/ *SERTOLI CELLS, cytology/ SERTOLI CEL enzymology/ SERTOLI CELLS, growth & development/ SERTOLI CELLS, physiology

707. **Cooper GF, Fried J:** Carbon-13 nuclear magn resonance spectra of prostaglandins and sc prostaglandin analogs.
Proc Natl Acad Sci USA 70:1579-84, May
CARBON ISOTOPES/ CHROMATOGRAPHY THIN LAYER/ DIAZOMETHANE/ ESTERS METHODS/ MOLECULAR CONFORMATION *NUCLEAR MAGNETIC RESONANCE/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purificatio

708. **Cooper PR, Smith H:** Influence of cell-free ascites and adenosine 3'5'-cyclic monophosphate upon cell kinetics of Ehrlich's ascites carcinoma
Nature 243:457-8, 16 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASCITIC FLUID *CARCINOMA, EHRLICH TUMOR/ CHALONES, pharmacodynamics/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ *GROWTH SUBSTANCE pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED C3H/ *MITOSIS, drug effects

709. **Copinschi G, L'Hermite M, Vanhaelst L, et al:** Prol response to hypoglycaemia. Lancet 1:946, 28 A
*BLOOD SUGAR, analysis/ HUMAN/ HYPOGLYCEMIA, metabolism/ INJECTION INTRAVENOUS/ INSULIN, administration dosage/ *INSULIN, pharmacodynamics/ MA *PROLACTIN, secretion

710. **Coppi G, Gaetani M, Bonardi G:** Pharmacological toxicological properties of 19-nortestosterone-homofarnesta (DA 1979), a

anabolic agent. Arzneim Forsch 23:693-700, May 73
ALKALINE PHOSPHATASE, metabolism/ *ANABOLIC STEROIDS, pharmacodynamics/ ANABOLIC STEROIDS, toxicity/ ANIMAL EXPERIMENTS/ ANUS, drug effects/ BLOOD/ BODY WEIGHT, drug effects/ CASTRATION/ CHICKENS/ COMB AND WATTLES, drug effects/ FATTY ALCOHOLS, pharmacodynamics/ FATTY ALCOHOLS, toxicity/ FEMALE/ KIDNEY, drug effects/ KIDNEY, enzymology/ KIDNEY, metabolism/ LIVER, drug effects/ LIVER, metabolism/ MALE/ *NANDROLONE, pharmacodynamics/ NANDROLONE, toxicity/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ RNA, metabolism/ SEMINAL VESICLES, drug effects

Corbier P, Roffi J: Déplétion de l'acide ascorbique surrénalien chez le rat et le lapin, pendant les premières heures de la vie post-natale.
J Physiol (Paris) 65:Suppl 3:380A, 1972 (Fre)
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ASCORBIC ACID, metabolism/ FETUS/ RABBITS/ RATS/ TIME FACTORS

Corbit JD: Voluntary control of hypothalamic temperature.
J Comp Physiol Psychol 83:394-411, Jun 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *BODY TEMPERATURE/ BODY TEMPERATURE REGULATION/ COLD/ *CONDITIONING, OPERANT/ HEAT/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ MALE/ PHYSICAL STIMULATION/ RATS/ REWARD/ SKIN TEMPERATURE/ TEMPERATURE SENSE

Cornell JS, Pierce JG: The subunits of human pituitary thyroid-stimulating hormone. Isolation, properties, and composition. J Biol Chem 248:4327-33, 25 Jun 73
AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CARBOHYDRATES, analysis/ CATTLE/ CHICKENS/ CROSS REACTIONS/ FEMALE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ LH, analysis/ LH, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ NEURAMINIC ACIDS, analysis/ OVARY, drug effects/ PEPTIDES, analysis/ *PEPTIDES, isolation & purification/ PEPTIDES, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROPIONATES/ SHEEP/ SPECIES SPECIFICITY/ THYROID GLAND, drug effects/ *THYROTROPIN, isolation & purification

Corréa P, Linhard J, Sarrat H, et al: Etude comparative de la prolanémie dans les syndromes molaires selon trois techniques biologiques de dosage.
Bull Soc Med Afr Noire Lang Fr 17:332-43, 1972 (Fre)
BUFO/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *HYDATIDIFORM MOLE, blood/ HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, immunology/ HYDATIDIFORM MOLE, urine/ PREGNANCY/ PREGNANCY TESTS/ PREGNANCY TESTS, IMMUNOLOGIC/ RABBITS/ TIME FACTORS

Correy JF, Schokman FC: Reproductive failure after clomiphene induced ovulation.
Aust NZ J Obstet Gynaecol 13:29-34, Feb 73
AMENORRHEA, drug therapy/ CERVIX MUCUS, drug effects/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ CORPUS LUTEUM, physiopathology/ ESTROGENS, therapeutic use/ FEMALE/ FSH, pharmacodynamics/ FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *OVULATION, drug effects/ PLACEBOS/ PREGNANCY/ PROGESTATIONAL HORMONES, therapeutic use/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, physiopathology/ STIMULATION, CHEMICAL

716. Corrin B, Gilby ED, Jones NF, et al: Oat cell carcinoma of the pancreas with ectopic ACTH secretion.
Cancer 31:1523-7, Jun 73
AMINOGLUTETHIMIDE, therapeutic use/ AUTOPSY/ BIOPSY/ *CARCINOMA, BRONCHOGENIC, physiopathology/ CARCINOMA, OAT CELL, pathology/ CARCINOMA, OAT CELL, physiopathology/ CASE REPORT/ *CORTICOTROPIN, secretion/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ LIVER, metabolism/ LUNG, pathology/ MIDDLE AGE/ NATRIURESIS/ NEOPLASM METASTASIS/ PANCREATIC NEOPLASMS, pathology/ *PANCREATIC NEOPLASMS, physiopathology/ POTASSIUM, blood/ POTASSIUM, urine/ RADIOISOTOPE SCANNING/ SODIUM, blood

717. Corson SL, Bolognese RJ: Cervical rupture following induced abortion.
Am J Obstet Gynecol 116:893, 15 Jul 73
*ABORTION, INDUCED, adverse effects/ *CERVIX UTERI, injuries/ FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, adverse effects/ RUPTURE/ RUPTURE, therapy

718. Cortés-Gallegos V, Ortega E, Henzl MR, et al: Efecto de la prostaglandina E 2 (PGE 2) sobre la funci on del cuerpo l uteo humano.
Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)
ADULT/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, blood/ INJECTIONS, INTRAVENOUS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ PULSE, drug effects

719. Corvilain J, Manderlier T, Brauman H, et al: Le dosage sanguin de la parathormone.
Bull Acad R Med Belg 12:303-22, 1972 (Fre)
ADENOMA, blood/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, SECONDARY, blood/ *PARATHYROID HORMONE, blood/ PARATHYROID NEOPLASMS, blood/ VITAMIN D DEFICIENCY, blood

720. Costa A: Embryogenesis of the ear and its central projection. Adv Exp Med Biol 30:291-303, 1972
AUDITORY CORTEX, embryology/ *AUDITORY PATHWAYS, embryology/ COCHLEAR NERVE, embryology/ *EAR, embryology/ EAR, EXTERNAL, embryology/ EAR, MIDDLE, embryology/ FEMALE/ GESTATIONAL AGE/ HUMAN/ LABYRINTH, embryology/ ORGAN OF CORTI, embryology/ PREGNANCY/ THYROID GLAND, embryology/ VESTIBULAR NERVE, embryology

721. Costa A: The clinical pattern of cretinism as seen in northern Italy. Adv Exp Med Biol 30:31-47, 1972
ADRENAL GLANDS, physiopathology/ BODY HEIGHT/ CHILD, PRESCHOOL/ CRETINISM, diagnosis/ CRETINISM, familial & genetic/ CRETINISM, metabolism/ *CRETINISM, occurrence/ CRETINISM, physiopathology/ DEAF-MUTISM, occurrence/ ELECTROENCEPHALOGRAPHY/ FACIAL EXPRESSION/ FEMALE/ GOITER, ENDEMIC, complications/ GROWTH/ HUMAN/ INFANT/ ITALY/ MALE/ NEUROLOGIC MANIFESTATIONS/ PEDIGREE/ PITUITARY GLAND, physiopathology/ THYROID GLAND, physiopathology

722. Costa JL: Histological characterization of "epinephrine" and "norepinephrine" cells in the adrenal medulla of the white-footed mouse, Peromyscus leucopus.
Gen Comp Endocrinol 20:498-515, Jun 73
*ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ DESMOSOMES/ ENDOPLASMIC

LIBRARY U. OF I. URBANA-CHAMPAIGN

RETICULUM/ *EPINEPHRINE/ MICE/ MICROSCOPY, ELECTRON/ *NOREPINEPHRINE

723. **Costantinidis A, Psomadakis C, Maurikakis M, et al:** Porfiria con manifestazioni neuropsichiatriche ed inibitori dell'ovulazione.
Minerva Ginecol 25:192-5, Apr 73 (Ita)
ADULT/ AFFECTIVE DISTURBANCES, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTERIA, chemically induced/ *MENTAL DISORDERS, chemically induced/ *PORPHYRIA, chemically induced/ PORPHYRINS, biosynthesis

724. **Cottin Y, Bugnon C, Riche C:** Etude des divers aspects morphologoques de la chromatine fluorescente Y; de leur répartition et de leur fréquence dans les leucocytes sanguins.
C R Soc Biol (Paris) 166:327-32, 9 Nov 72 (Fre)
FLUORESCENT DYES/ HISTOCYTOCHEMISTRY/ HUMAN/ KARYOTYPING/ *LEUKOCYTES/ MALE/ MICROSCOPY, ULTRAVIOLET/ QUINACRINE/ *SEX CHROMATIN/ *SEX CHROMOSOMES/ SEX DETERMINATION

725. **Couinaud C, Schwarzmann V, Ceoara B, et al:** Hépatome malin avec aménorrhée et galactorrhée. Disparition du syndrome endocrinien après hépatectomie droite.
Ann Chir 27:151-6, Feb 73 (Fre)
ADULT/ *AMENORRHEA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HEPATECTOMY/ *HEPATOMA, complications/ HUMAN/ *LACTATION DISORDERS, etiology/ LH, secretion/ *LIVER NEOPLASMS, complications/ NEOPLASM RECURRENCE, LOCAL/ RECURRENCE

726. **Counsell RE, Smith TD, Ranade VV, et al:** Potential organ or tumor imaging agents. 11. Radioiodinated tyramines. J Med Chem 16:684-7, Jun 73
ACETIC ACIDS/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL MEDULLA/ ANIMAL EXPERIMENTS/ BENZOATES, chem synthesis/ BENZYL COMPOUNDS, chem synthesis/ BORANES/ DIAZONIUM COMPOUNDS, chem synthesis/ DOGS/ IODINE ISOTOPES/ IRON/ LITHIUM ALUMINUM HYDRIDE/ METHODS/ NITRO COMPOUNDS, chem synthesis/ OXIDATION-REDUCTION/ *PHENETHYLAMINES, chem synthesis/ PHEOCHROMOCYTOMA, diagnosis/ SULFURIC ACIDS/ TRITIUM/ TYRAMINE

727. **Cousins RJ, Barber AK, Trout JR:** Cadmium toxicity in growing swine. J Nutr 103:964-72, Jul 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BLOOD PROTEINS, metabolism/ BLOOD UREA NITROGEN/ BODY WEIGHT, drug effects/ BONE AND BONES, metabolism/ *CADMIUM, toxicity/ CALCIUM, blood/ CHLORIDES, toxicity/ DIET/ HEMATOCRIT/ KIDNEY, metabolism/ LEUCINE AMINOPEPTIDASE, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PHOSPHORUS, blood/ SKIN, metabolism/ SPLEEN, metabolism/ *SWINE, metabolism/ TOOTH, metabolism/ ZINC, metabolism

728. **Couvelaire A:** Classic pages in obstetrics and gynecology: Alexandre Couvelaire.
Am J Obstet Gynecol 116:875, 15 Jul 73
ABRUPTIO PLACENTAE, complications/ FEMALE/ *GYNECOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ *OBSTETRICS, history/ PLACENTA DISORDERS, surgery/ PREGNANCY/ UTERINE HEMORRHAGE, surgery

729. **Cowen MA, Nishi H, Hammack D:** An electrophysiological analysis of hallucinogens.
Biol Psychiatry 5:239-56, Dec 73
ADRENOCHROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN CHEMISTRY, drug effects/ CEREBRAL CORTEX, metabolism/ CEREBRAL CORTEX, physiology/ CHLORATES, pharmacodynamics/ COPPER, pharmacodynamics/ DEXTRO AMPHETAMINE, pharmacodynamics/ ELECTROPHYSIOLOGY/ FEMALE/ *HALLUCINOGENS, pharmacodynamics/ IRON, pharmacodynamics/ LACTATES, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ NUCLEOTIDES, metabolism/ PHENETHYLAMINES, pharmacodynamics/ RATS/ TRYPTAMINES, pharmacodynamics/ ZINC, pharmacodynamics

730. **Cowley AW Jr, Liard JF, Guyton AC:** Role of baroreceptor reflex in daily control of arterial blood pressure and other variables in dogs.
Circ Res 32:564-76, May 73
ANALOG-DIGITAL CONVERSION/ ANIMAL EXPERIMENTS/ AORTA, innervation/ BLOOD FLOW VELOCITY/ *BLOOD PRESSURE/ CARDIAC OUTPUT/ CAROTID SINUS, innervation/ CIRCADIAN RHYTHM/ COMPUTERS, DIGITAL/ DENERVATION/ DOGS/ HEART RATE/ POSTURE/ POTASSIUM, blood/ *PRESSORECEPTORS, physiology/ PULSE/ RADIOIMMUNOASSAY/ RENIN, blood/ SODIUM, blood/ TIME FACTORS/ VAGOTOMY/ VASCULAR RESISTANCE

731. **Cox NA, Davis BH, Watts AB, et al:** Salmonella in laying hen. 1. Salmonella recovery from viscera, and eggs following oral inoculation.
Poult Sci 52:661-6, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD, microbiology/ EGGS/ *FECES, microbiology/ FEMALE/ HEART, microbiology/ KIDNEY, microbiology/ LIVER, microbiology/ LUNG, microbiology/ OVARY, microbiology/ *POULTRY DISEASES, microbiology/ *SALMONELLA, isolation & purification/ *SALMONELLA INFECTIONS, ANIMAL, microbiology/ SALMONELLA TYPHIMURIUM, isolation & purification

732. **Coyotupa J, Parlow AF, Kovacic N:** Serum testosterone and dihydrotestosterone levels following orchiectomy in the adult rat.
Endocrinology 92:1579-81, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ MALE/ RADIOIMMUNOASSAY/ RATS/ *STANOLONE, blood/ *TESTIS, physiology/ *TESTOSTERONE, blood/ TIME FACTORS

733. **Crabbé P:** Progresos recientes en la síntesis de prostaglandinas.
Arch Invest Med (Mex) 3:Suppl 1:151-72, 1972
CHEMISTRY/ ENGLISH ABSTRACT/ METHODS/ PHOTOCHEMISTRY/ *PROSTAGLANDINS, chem synthesis

734. **Craft I:** Induction of abortion by combined intra-amniotic urea and prostaglandin E 2 or prostaglandin E 2 alone. Lancet 1:1344-6, 16 Jun
*ABORTION, INDUCED/ ABORTION, INDUCED, adverse effects/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ COMPARATIVE STUDY/ DIARRHEA, chemically induced/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ METHODS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ *UREA, administration & dosage/ UREA, adverse effects/ UREA, pharmacodynamics/ VOMITING, chemically induced

735. **Cramer H, Tagliamonte A, Tagliamonte P,** Stimulation of brain serotonin turnover by paradoxical sleep deprivation in intact and hypophysectomized rats. Brain Res 54:373-5, 17 J
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ HYDROXYINDOLEACETIC A

metabolism/ HYPOPHYSECTOMY/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, physiology/ RATS/ *SEROTONIN, metabolism/ *SLEEP DEPRIVATION/ SLEEP STAGES/ TRYPTOPHAN, metabolism

Crane MG, Harris JJ, Shankel S: Tetany related to postural diuresis. Am J Med Sci 265:153-65, Feb 73
ADULT/ ALDOSTERONE, blood/ AMINOHIPPURIC ACID, metabolism/ BODY WEIGHT/ CALCIUM, blood/ *DIURESIS/ FEMALE/ HUMAN/ HYDROTHERAPY/ INULIN, metabolism/ MUSCLE CRAMP, etiology/ PARATHYROID HORMONE, therapeutic use/ *POSTURE/ POTASSIUM, urine/ RENIN, blood/ SELF MEDICATION/ SODIUM, blood/ SODIUM, urine/ TETANY, blood/ TETANY, drug therapy/ *TETANY, etiology/ TETANY, urine/ TIME FACTORS/ VASOPRESSIN, therapeutic use/ WATER, metabolism/ WATER-ELECTROLYTE BALANCE

Crapper DR, Dalton AJ: Alterations in short-term retention, conditioned avoidance response acquisition and motivation following aluminum induced neurofibrillary degeneration.
Physiol Behav 10:925-33, May 73
*ALUMINUM, toxicity/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ *BRAIN DISEASES, chemically induced/ CATS/ CHLORIDES/ *DEMENTIA, PRESENILE/ DISCRIMINATION LEARNING/ DISEASE MODELS, ANIMAL/ ELECTRODES, IMPLANTED/ HOUSING, ANIMAL/ HYPOTHALAMUS, physiology/ *MEMORY, SHORT-TERM/ NEUROFIBRILS/ SELF STIMULATION/ STEREOTAXIC TECHNICS/ VISUAL PERCEPTION

Craswell PW, Hird VM, Baillod RA, et al: Significance of high plasma renin activity in patients on maintenance haemodialysis therapy.
Br Med J 2:741-3, 30 Jun 73
ADULT/ ANGIOTENSIN/ BLOOD PRESSURE/ CHILD/ ELECTROCARDIOGRAPHY/ FEMALE/ GLOMERULONEPHRITIS, blood/ *HEMODIALYSIS/ HEMOLYTIC-UREMIC SYNDROME/ HUMAN/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ NEPHRITIS, blood/ POTASSIUM, blood/ PYELONEPHRITIS, blood/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, blood

Crawford C, Carter J, Hales I, et al: Malignant changes arising in a dyshormonogenetic goitre due to an isolated thyroglobulin deficiency.
Aust NZ J Med 3:184-8, Apr 73
CHILD/ ELECTROPHORESIS/ GOITER, NODULAR, complications/ *GOITER, NODULAR, metabolism/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, metabolism/ MALE/ *THYROGLOBULIN, analysis/ THYROID GLAND, analysis/ *THYROID NEOPLASMS, etiology

Crawford JS: Pre-pregnancy oral contraceptives and respiratory-distress syndrome.
Lancet 1:858-60, 21 Apr 73
ADULT/ BIRTH WEIGHT/ *CONTRACEPTIVES, ORAL/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ LUNG, embryology/ MITOCHONDRIA, drug effects/ OVUM, drug effects/ PREGNANCY/ PULMONARY SURFACTANT/ *RESPIRATORY DISTRESS SYNDROME, occurrence/ RESPIRATORY DISTRESS SYNDROME, prevention & control

Crawshaw LI: Effect of intracranial acetylcholine injection on thermoregulatory responses in the rat.
J Comp Physiol Psychol 83:32-5, Apr 73
ACETYLCHOLINE, administration & dosage/ *ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ *CEREBRAL VENTRICLES, drug effects/ CEREBRAL VENTRICLES, physiology/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ LOCOMOTION/ MALE/ MICROINJECTIONS/ MOTOR ACTIVITY/ RATS

742. Creese I, Iversen SD: Blockage of amphetamine induced motor stimulation and stereotypy in the adult rat following neonatal treatment with 6-hydroxydopamine. Brain Res 55:369-82, 15 Jun 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ APOMORPHINE, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ CEREBRAL CORTEX, metabolism/ CLONIDINE, pharmacodynamics/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DEXTRO AMPHETAMINE, administration & dosage/ DEXTRO AMPHETAMINE, pharmacodynamics/ DOPAMINE, metabolism/ GANGLIA, BASAL, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ *LOCOMOTION, drug effects/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, NEURAL, drug effects/ STEREOTYPED BEHAVIOR, drug effects/ TYROSINE HYDROXYLASE, metabolism

743. Cresteil T, Ketevi P, Lapous D: Modulation de l'activité adénylcyclase du coeur de rat par ingestion d'huile de colza.
C R Acad Sci [D] (Paris) 275:1443-5, 25 Sep 72 (Fre)
*ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ LIPIDS, metabolism/ MALE/ *MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ OILS, pharmacodynamics/ RATS

744. Creutzfeldt W: Embryopathie durch Hepatitisviren.
Dtsch Med Wochenschr 98:1350, 6 Jul 73 (Ger)
*AUSTRALIA ANTIGEN/ FEMALE/ *FETAL DISEASES, etiology/ *HEPATITIS, HOMOLOGOUS SERUM, complications/ HUMAN/ LEYDIG CELLS/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY

745. Crim JW: Studies on the possible regulation of plasma sodium by prolactin in amphibia.
Comp Biochem Physiol [A] 43:349-57, 1 Oct 72
ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CATTLE/ CORTICOSTERONE, pharmacodynamics/ FROGS/ HYPOPHYSECTOMY/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, physiology/ *PROLACTIN, pharmacodynamics/ *RANA PIPIENS/ *SALAMANDERS/ *SODIUM, blood/ SODIUM, metabolism

746. Criss WE: Modified hormonal control of enzymatic activity in tumors.
Am J Obstet Gynecol 116:753-9, 15 Jul 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ DACTINOMYCIN, pharmacodynamics/ DIET/ DIETARY CARBOHYDRATES, metabolism/ ESTRADIOL, pharmacodynamics/ FASTING/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *HEPATOMA, enzymology/ HEPATOMA, physiopathology/ HYDROCORTISONE, pharmacodynamics/ INSULIN, PROTAMINE ZINC, pharmacodynamics/ LIVER, enzymology/ *LIVER NEOPLASMS, enzymology/ LIVER NEOPLASMS, physiopathology/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, enzymology/ OVARY, physiopathology/ *PHOSPHOTRANSFERASES, metabolism/ PROGESTERONE, pharmacodynamics/ *PYRUVATE KINASE, analysis/ RATS/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

LIBRARY U. OF I., URBANA-CHAMPAIGN

747. **Crist WM, Ragab AH, Vietti TJ:** Hypersplenism in a child with acute lymphatic leukemia.
Cancer 31:1328-30, Jun 73
CASE REPORT/ CHILD/ FEMALE/ HUMAN/ HYPERSPLENISM, blood/ *HYPERSPLENISM, etiology/ HYPERSPLENISM, surgery/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ LEUKOCYTES/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE/ PREDNISONE, therapeutic use/ REMISSION/ SPLENECTOMY

748. **Croce CM, Litwack G, Koprowski H:** Human regulatory gene for inducible tyrosine aminotransferase in rat-human hybrids.
Proc Natl Acad Sci USA 70:1268-72, Apr 73
CELL LINE/ CLONE CELLS/ DEXAMETHASONE, pharmacodynamics/ EMBRYO/ ENZYME INDUCTION, drug effects/ ENZYME REPRESSION/ FEMALE/ *GENES, REGULATOR/ GLUCOSEPHOSPHATE DEHYDROGENASE/ HEPATOMA/ HUMAN/ *HYBRID CELLS, enzymology/ KARYOTYPING/ LINKAGE (GENETICS)/ LUNG/ PENTOSYLTRANSFERASES/ RATS/ SEX CHROMOSOMES/ *TYROSINE AMINOTRANSFERASE, biosynthesis

749. **Crombie AL:** Orbital decompression in thyroid disease.
Trans Ophthalmol Soc UK 92:329-34, 1972
ADULT/ CORNEA, injuries/ DIPLOPIA, surgery/ EXOPHTHALMOS, surgery/ EYE MOVEMENTS/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *ORBIT, surgery/ PAPILLEDEMA, surgery/ SEX FACTORS/ *THYROID DISEASES, complications/ THYROIDECTOMY/ VISUAL ACUITY/ VISUAL FIELDS

750. **Crompton DW:** Monorchic Moniliformis dubius (Acanthocephala).
Int J Parasitol 2:483, Nov 72
ANIMAL EXPERIMENTS/ FEMALE/ FERTILIZATION/ *HELMINTHS/ MALE/ RATS/ *TESTIS, abnormalities

751. **Crooke AC, Sutaria UD, Bertrand PV:** Unusual responses of infertile women to human gonadotropins.
Am J Obstet Gynecol 116:706-10, 1 Jul 73
ADULT/ ESTRIOL, urine/ FEMALE/ FSH/ FSH, administration & dosage/ FSH, pharmacodynamics/ FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ *GONADOTROPINS, PITUITARY, therapeutic use/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ MENORRHAGIA, drug therapy/ MENOTROPINS, therapeutic use/ MENSTRUATION DISORDERS, drug therapy/ MICE/ PREGNANCY/ PREGNANEDIOL, urine/ *STERILITY, FEMALE, drug therapy/ TIME FACTORS

752. **Crooks J:** Discriminant valve of thyroid function tests.
Br Med J 2:488, 26 May 73
HUMAN/ *HYPERTHYROIDISM, diagnosis/ METHODS/ *THYROID GLAND FUNCTION TESTS

753. **Cros S, Moisand C, Tollon Y:** Influence de la téttraméthylurée sur le développement embryonnaire de la souris.
Ann Pharm Fr 30:585-93, Sep 72 (Fre)
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EMBRYO/ ENGLISH ABSTRACT/ FEMALE/ METHANE/ MICE/ PREGNANCY/ TIME FACTORS/ *UREA/ UREA, toxicity

754. **Croughs RJ, Eastham WN, Hackeng WH, et al:** ACTH and calcitonin secreting medullary carcinoma of the thyroid.
Clin Endocrinol (Oxf) 1:157-71, Apr 72
BIOLOGICAL ASSAY/ *CARCINOMA, metabolism/ CARCINOMA, pathology/ CORTICOTROPIN, analysis/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, diagnostic use/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYDROCORTISONE, blood/ MALE MIDDLE AGE/ NEOPLASM METASTASIS/ PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ SECRETORY RATE STIMULATION, CHEMICAL/ THYROCALCITONIN, analysis/ THYROCALCITONIN, blood/ *THYROCALCITONIN, secretion/ *THYROID NEOPLASMS, metabolism/ THYROID NEOPLASMS, pathology/ VASOPRESSIN, diagnostic use

755. **Croxatto HB, Vogel C, Vasquez J:** Transport microspheres in the genital tract of the female rat
J Reprod Fertil 33:337-41, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CASTRATION/ DEXTRAN/ ESTRUS/ FEMALE/ *GENITALIA, FEMALE physiology/ GONADOTROPINS, CHORIONIC pharmacodynamics/ INJECTIONS, INTRAVENOUS/ MICROSPHERES/ RABBIT

756. **Cryer PE, Jacobs LS, Daughaday WH:** Regulation growth hormone and prolactin secretion in pati with acromegaly and-or excessive prolactin secret
Mt Sinai J Med NY 40:402-13, May-Jun 73
*ACROMEGALY, complications/ ARGININE, pharmacodynamics/ CIRCADIAN RHYTHM/ DOPA, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOGLYCEMIA, chemically induced/ HYPOTHALAMUS, physiology/ INSULIN, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PITUITARY NEOPLASMS, physiology/ PROLACTIN, blood/ *PROLACTIN, secretio RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, physiology

757. **Crystle CD, Sawaya GA, Stevens VC:** Effects of eth estradiol on the secretion of gonadotropins estrogens in postpartum women.
Am J Obstet Gynecol 116:616-21, 1 Jul 73
ADOLESCENCE/ *ESTROGENS, urine/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, urine/ FEMALE/ FSH, blood/ *GONADOTROPINS, CHORIONIC, secretion/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ OVARY, physiology PREGNANCY/ *PUERPERIUM/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ TIME FACTORS

758. **Csaba B, Yussupova S, Kassay L:** The effect of thyroid gland on the histamine and 5-hydroxytryptamine level of dog, rabbit and tissues.
Acta Physiol Acad Sci Hung 42:41-7,
ANIMAL EXPERIMENTS/ DOGS/ *HISTAMINE, analysis/ HISTAMINE, metabolism/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ LIVER, analysis/ LUNG, analysis/ RABBITS/ RATS/ *SEROTONIN, analysis/ SEROTONIN, metabolism/ SKIN, analysis/ SPECIES SPECIFICITY/ STOMAC analysis/ *THYROID GLAND, physiology/ THYROIDECTOMY

759. **Csaba G:** An attempt to demonstrate endocrine cel the rat thymus.
Endocrinol Exp (Bratisl) 7:99-106, 1973
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ *ENDOCRINE GLANDS, cytology/ MALE/ OXYTOCIN, pharmacodynamics/ RATS/ STAINS AND STAINING/ STIMULATION, CHEMICAL/ *THYMUS GLAND, cytology/ VASOPRESSI pharmacodynamics

760. **Csaba G:** Mobilization of the epithelial potencies of

thymus by physiological and non-physiological inducers. Acta Biol Acad Sci Hung 23:237-45, 1972
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ CYSTS, chemically induced/ CYTOPLASM, drug effects/ EPITHELIAL CELLS, drug effects/ FLUORESCENCE/ HISTAMINE/ MALE/ MAST CELLS/ METHYLCHOLANTHRENE/ PARATHYROID GLANDS, physiology/ RATS/ SEROTONIN/ STAINS AND STAINING/ *THYMUS GLAND, cytology/ THYMUS GLAND, drug effects/ THYROID GLAND, physiology

Csaba G, Baráth P: Tritiated 5-hydroxytryptamine uptake of the mast cells in the rat thyroid gland. Neuroendocrinology 12:67-70, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CONNECTIVE TISSUE, metabolism/ INTESTINES, metabolism/ MALE/ *MAST CELLS, metabolism/ RATS/ *SEROTONIN, metabolism/ THYMUS GLAND, metabolism/ *THYROID GLAND, metabolism/ TRITIUM

Csaba G, Kiss J, Nagy SU: Comparative studies on the 125 I uptake of the thyroid and thymus. Experientia 29:357-8, 15 Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *IODINE, metabolism/ IODINE ISOTOPES/ RATS/ *THYMUS GLAND, metabolism/ *THYROID GLAND, metabolism

Cuatrecasas P: Isolation and characterization of hormone receptors. Neurosci Res Program Bull 11:215-9, Jun 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ BINDING SITES/ CARBON ISOTOPES/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AFFINITY/ CLOSTRIDIUM PERFRINGENS/ GEL FILTRATION/ GLUCOSE, metabolism/ *INSULIN, metabolism/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ PHOSPHOLIPASE, pharmacodynamics/ PROTEIN BINDING/ *PROTEINS, metabolism/ *RECEPTORS, HORMONE/ SOLUBILITY/ TRIGLYCERIDES, metabolism

Cullen JF: Diabetic retinopathy: hope or despair. Trans Ophthalmol Soc UK 92:59-68, 1972 (25 ref.)
ADULT/ AGE FACTORS/ AGED/ CLOFIBRATE, therapeutic use/ DIABETES MELLITUS, occurrence/ *DIABETIC RETINOPATHY/ DIABETIC RETINOPATHY, drug therapy/ DIABETIC RETINOPATHY, surgery/ FEMALE/ HUMAN/ LASERS/ LIGHT COAGULATION/ MALE/ MIDDLE AGE/ PITUITARY GLAND, surgery/ PROGNOSIS/ REVIEW/ YTTRIUM ISOTOPES

Cullen JW, Scarborough DE: The effect of insulin-induced hypoglycemia on NaCl hunger in the adrenalectomized rat. Cond Reflex 8:80-7, Apr-Jun 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *APPETITE DISORDERS, chemically induced/ HOMEOSTASIS/ *HYPOGLYCEMIA, chemically induced/ *INSULIN, adverse effects/ MALE/ MODELS, BIOLOGICAL/ RATS/ *SODIUM CHLORIDE, pharmacodynamics

Cullen SI: Selective evaluation of a new topical steroid (betamethasone benzoate). Curr Ther Res 15:243-7, May 73
BENZOATES, adverse effects/ BENZOATES, therapeutic use/ BETAMETHASONE, adverse effects/ *BETAMETHASONE, therapeutic use/ CHILD/ CLINICAL RESEARCH/ ECZEMA, drug therapy/ *GLUCOCORTICOIDS, TOPICAL/ HUMAN/ MALE/ PLACEBOS/ PSORIASIS, drug therapy/ SEBORRHEA, drug therapy/ SKIN DISEASES, drug therapy/ SKIN DISEASES, pathology

Culver GJ, Thumasathit C: Osseous changes of osteopathia striata and Pyle's disease occurring in a patient with an 11 year follow-up. A case report. Am J Roentgenol Radium Ther Nucl Med 116:640-3, Nov 72
AUTOSOME ABNORMALITIES, complications/ BONE AND BONES, abnormalities/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, radiography/ CASE REPORT/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HAND, radiography/ HUMAN/ JAW ABNORMALITIES, complications/ *OSTEOPETROSIS, complications/ OSTEOPETROSIS, radiography/ OSTEOPOIKILOSIS, complications/ OSTEOPOIKILOSIS, radiography/ *OSTEOPOROSIS, complications/ PELVIC BONES, abnormalities/ PELVIC BONES, radiography/ SHOULDER, radiography/ SKULL, abnormalities/ SYNDROME

768. **Cummings FJ, Heppner GH, Stolbach L, et al:** Demonstration of cell-mediated and blocking immune responses to tumor antigens in cancer patients with the colony-inhibition-in-gel test. Isr J Med Sci 9:308-16, Mar 73
ABDOMINAL NEOPLASMS, immunology/ AGAR/ AGED/ *ANTIGENS, NEOPLASM/ BREAST NEOPLASMS, immunology/ CELL DIVISION/ CELLS, CULTURED/ CLONE CELLS/ COLONIC NEOPLASMS, immunology/ FEMALE/ HUMAN/ IMMUNE SERUMS/ *IMMUNITY, CELLULAR/ KIDNEY NEOPLASMS, immunology/ LIPOSARCOMA, immunology/ *LYMPHOCYTES, immunology/ MALE/ MELANOMA, immunology/ METHODS/ MIDDLE AGE/ *NEOPLASMS, immunology/ PROSTATIC NEOPLASMS, immunology/ RECTAL NEOPLASMS, immunology/ THYROID NEOPLASMS, immunology

769. **Cummings JH, Newman A, Misiewicz JJ, et al:** Effect of intravenous prostaglandin F 2 on small intestinal function in man. Nature 243:169-71, 18 May 73
BICARBONATES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ *ILEUM, drug effects/ ILEUM, metabolism/ INJECTIONS, INTRAVENOUS/ *JEJUNUM, drug effects/ JEJUNUM, metabolism/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SODIUM, metabolism/ WATER, metabolism

770. **Cummings R, Lykke AW:** The effects of anti-inflammatory drugs on vascular exudation evoked by cold injury. Pathology 5:117-22, Apr 73
*ANILIDES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ BENZYL COMPOUNDS, therapeutic use/ *CAPILLARY PERMEABILITY, drug effects/ CINNAMATES, therapeutic use/ COLD/ DYES, metabolism/ ETHYLENEDIAMINES, therapeutic use/ *EXUDATES AND TRANSUDATES, drug effects/ EXUDATES AND TRANSUDATES, metabolism/ FEMALE/ FREEZING/ *FROSTBITE, drug therapy/ INDOMETHACIN, therapeutic use/ KALLIKREIN, antagonists & inhibitors/ KININS, antagonists & inhibitors/ MALE/ PYRIDINES, therapeutic use/ PYRIDINOLCARBAMATE, therapeutic use/ RATS/ SEROTONIN, antagonists & inhibitors/ SKIN, injuries

771. **Cummins JM:** The effects of artificial cryptorchidism in the rabbit on the transport and survival of spermatozoa in the female reproductive tract. J Reprod Fertil 33:469-79, Jun 73
ANIMAL EXPERIMENTS/ CELL SURVIVAL/ *CRYPTORCHISM, metabolism/ FALLOPIAN TUBES, analysis/ *FALLOPIAN TUBES, metabolism/ FEMALE/ FERTILITY/ INSEMINATION, ARTIFICIAL/ MALE/ OVULATION/ RABBITS/ SPERMATOZOA, analysis/ *SPERMATOZOA, metabolism/ STERILITY, MALE/ TIME FACTORS/ VAGINA, analysis

772. **Currie GN, Black DL:** The effects of an alpha

LIBRARY U. OF I., URBANA-CHAMPAIGN

adrenergic blocker on thyrocalcitonin activity in male and female rats.
Acta Endocrinol (Kbh) 73:64-8, May 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ FEMALE/ MALE/ *PHENOXYBENZAMINE, pharmacodynamics/ RATS/ SEX FACTORS/ *THYROCALCITONIN, metabolism/ THYROCALCITONIN, pharmacodynamics

773. **Curzen P**: The climacteric.
Proc R Soc Med 66:186, Feb 73
CHOLESTEROL, blood/ *CLIMACTERIC/ COITUS/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LIBIDO/ MENOPAUSE/ *OSTEOPOROSIS, prevention & control/ PHOSPHOLIPIDS, blood

774. **Custodio RW, Jaap RG**: Sex-linked reduction of body size in Golden Sebright Bantams.
Poult Sci 52:204-10, Jan 73
AGE FACTORS/ ALLELES/ ANIMAL EXPERIMENTS/ *BODY WEIGHT/ *CHICKENS, growth & development/ FEMALE/ GENES, RECESSIVE/ *GENES, REGULATOR/ MALE/ REPRODUCTION/ *SEX CHROMOSOMES/ SEX FACTORS/ SPECIES SPECIFICITY

775. **Cutts JH**: Enzyme activities in regressing estrone-induced mammary tumors of the rat.
Cancer Res 33:1235-7, Jun 73
ACID PHOSPHATASE, analysis/ ADENOCARCINOMA, chemically induced/ *ADENOCARCINOMA, enzymology/ ADENOCARCINOMA, pathology/ ANIMAL EXPERIMENTS/ CATHEPSIN, analysis/ *ESTRONE/ FEMALE/ GLUCURONIDASE, analysis/ HISTOCYTOCHEMISTRY/ LYSOSOMES, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *NEOPLASM REGRESSION, SPONTANEOUS/ RATS

776. **Cypess RH, Lubiniecki AS, Hammon WM**: Immunosuppression and increased susceptibility to Japaneses B encephalitis virus in Trichinella spiralis-infected mice.
Proc Soc Exp Biol Med 143:469-73, Jun 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ BRAIN, microbiology/ COMPLEMENT FIXATION TESTS/ *ENCEPHALITIS, JAPANESE B, immunology/ GLUCOCORTICOIDS, blood/ LARVA/ MACROPHAGES, immunology/ MICE/ MICE, INBRED STRAINS/ NEUTRALIZATION TESTS/ PHAGOCYTOSIS/ TIME FACTORS/ TRICHINELLA, isolation & purification/ TRICHINELLA, radiation effects/ *TRICHINOSIS, immunology

777. **Czarnowska-Misztal E, Brzezińska Z, Rakowska M**: Wpływ uzupełniania w wapń diety odpowiadającej przeciętnej racji pokarmowej wybranej grupy dzieci na niektóre wskaźniki biologiczne u zwierząt doświadczalnych. 3. Wyniki badań nad retencją wapnia u szczurów laboratoryjnych.
Rocz Panstw Zaki Hig 24:49-56, 1973 (Pol)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ *CALCIUM, DIETARY, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ NUTRITIONAL REQUIREMENTS/ RATS

778. **Czech DA**: Effects of amygdalar lesions on eating and drinking and saline preference in the rat.
Physiol Behav 10:821-3, Apr 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *DRINKING/ *DRINKING BEHAVIOR/ *EATING/ HOUSING, ANIMAL/ MALE/ OSMOLAR CONCENTRATION/ RATS/ *SODIUM CHLORIDE/ SOLUTIONS

779. **Czyzewski LB, Pettinger WA**: Failure of feedback suppression of renin release in the spontane hypertensive rat. Am J Physiol 225:234-9, J
ADMINISTRATION, ORAL/ AGE FACTOR ANIMAL EXPERIMENTS/ DESOXYCORTICOSTERONE, pharmacodynamics/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSH DRUG/ FEEDBACK/ FEMALE/ *HYPERTENSION, physiopathology/ MALE RATS/ *RENIN, blood/ SODIUM CHLORI administration & dosage/ SODIUM CHLOR pharmacodynamics

D

780. **Daae LN**: The acylation of glycerol 3 -phospha different rat organs and in the liver of diff species (including man).
Biochim Biophys Acta 306:186-93, 24 May
ACYLATION/ *ACYLTRANSFERASES, metabolism/ ADIPOSE TISSUE, enzymolog ADRENAL GLANDS, enzymology/ ADULT ANIMAL EXPERIMENTS/ CATTLE/ FAT ACIDS/ FATTY ACIDS, metabolism/ FAT ACIDS, UNSATURATED, metabolism/ FEMALE/ GLYCEROPHOSPHATES/ *GLYCEROPHOSPHATES, metabolism/ HUMAN/ LIVER, cytology/ *LIVER, enzymology/ MALE/ MICROSOMES, LIVE enzymology/ MITOCHONDRIA, LIVER, enzymology/ MONKEYS/ PHOSPHOLIPIDS biosynthesis/ RABBITS/ RATS/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP

781. **Dacev B, Goranov K**: Korcnopulnczhni sred sudurzhashti kortizonov preparat, izpolzuva lcchcnicto ha khroichni i medik amcntozn pcriodontiti.
Stomatologiia (Sofiia) 54:304-8, Jul-Aug 72
ADRENAL CORTEX HORMONES, therape use/ CORTISONE, therapeutic use/ PERIAPICAL TISSUE, drug effects/ PERIODONTITIS, drug therapy/ ROOT CANAL FILLING MATERIALS/ SPECIAL LIST DENTAL

782. **Dacke CG, Musacchia XJ, Volkert WA, et al**: C fluctuations in the levels of blood calcium, p pCO 2 in Japanese quail.
Comp Biochem Physiol [A] 44:1267-75, 1 A
ACID-BASE EQUILIBRIUM/ ANIMAL EXPERIMENTS/ BLOOD/ *CALCIUM, blo CALCIUM, metabolism/ *CARBON DIOXI blood/ FEMALE/ HYDROGEN-ION CONCENTRATION/ MALE/ OVULATION/ PERIODICITY/ QUAIL, metabolism/ SEX FACTORS/ TIME FACTORS

783. **Dahlström G, Johansson G, Kiviloog J**: Immunogl IgE concentrations in an adult clinical materi chronic obstructive pulmonary disease.
Scand J Respir Dis 54:73-7, 1973
ADOLESCENCE/ ADULT/ AGED/ *ASTH immunology/ *BRONCHITIS, immunology/ FEMALE/ HUMAN/ *IGE, analysis/ LUN DISEASES, OBSTRUCTIVE, drug therapy *LUNG DISEASES, OBSTRUCTIVE, immunology/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ RADIOIMMUNOASSAY

784. **Dajani RM, Saheb SE**: A further insight in metabolism of certain -carbolines.
Ann NY Acad Sci 215:120-3, 30 Apr 73
*ACETALDEHYDE, metabolism/ *ALCOH ETHYL, pharmacodynamics/ ALCOHOLIS etiology/ ANIMAL EXPERIMENTS/ *BRA metabolism/ *INDOLES, metabolism/ MA *PYRIDINES, metabolism/ RATS/ *SEROTONIN, metabolism

785. **Dalderup LM**: Ischaemic heart-disease and vita
Lancet 2:92, 14 Jul 73
ADULT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ CORONARY DISEASE, etiology/ *CORON DISEASE, occurrence/ DIET/ HUMAN/ MIDDLE AGE/ RATS/ *VITAMIN D, ad effects

786. **Dalderup LM:** Ozone, vitamin E, fatty acids, prostaglandins, atherosclerosis and its complications.
Arch Environ Health 27:58, Jul 73
ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, prevention & control/ ENVIRONMENTAL EXPOSURE/ *FATTY ACIDS, metabolism/ MYOCARDIAL INFARCT, etiology/ MYOCARDIAL INFARCT, prevention & control/ *OZONE, poisoning/ *PROSTAGLANDINS, metabolism/ *VITAMIN E, metabolism

787. **Dale A, Berthelot A, Boucher D, et al:** Valeurs de la thyréostimuline hypophysaire et des acides aminés iodés thyroïdiens en fonction de l'éclairement chez la lapine adulte.
C R Soc Biol (Paris) 166:1296-301, 1972 (Fre)
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ *LIGHT/ ORGAN WEIGHT/ PITUITARY GLAND, metabolism/ RABBITS/ THYROID GLAND, metabolism/ *THYROID HORMONES, metabolism/ *THYROTROPIN, metabolism

788. **Dale SL, Melby JC:** Isolation and identification of 16alpha, 18-dihydroxydeoxycorticosterone from human adrenal gland incubations.
Steroids 21:617-32, May 73
*ADRENAL GLANDS, analysis/ CHROMATOGRAPHY, GAS/ FEMALE/ HUMAN/ *HYDROXYCORTICOSTEROIDS, isolation & purification/ IN VITRO/ LACTONES, analysis/ MASS SPECTRUM ANALYSIS/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

789. **Dallaire L:** La génétique médicale et ses objectifs.
Union Med Can 101:2663-8, Dec 72 (Fre)
ABNORMALITIES/ ABNORMALITIES, MULTIPLE, familial & genetic/ AUTOSOME ABNORMALITIES/ CHROMOSOME ABERRATIONS/ CONSANGUINITY/ ENGLISH ABSTRACT/ FEMALE/ *GENETIC COUNSELING/ *GENETICS, HUMAN/ GROWTH DISORDERS/ *HEREDITARY DISEASES/ HUMAN/ INFANT, NEWBORN/ MALE/ MASS SCREENING/ METABOLISM, INBORN ERRORS/ MONGOLISM, familial & genetic/ PREGNANCY/ PRENATAL DIAGNOSIS/ SEX CHROMOSOME ABNORMALITIES

790. **Dalle M, Chassaing C, Delost P:** Teneurs surrénaliennes et plasmatiques en cortisol et corticostérone chez le cobaye nouveau-né.
J Physiol (Paris) 65:Suppl 3:383A, 1972 (Fre)
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ FEMALE/ GUINEA PIGS/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ MALE/ TIME FACTORS

791. **Dalle M, Delost P:** Production de cortisol et de corticostérone au cours de la première semaine de la vie chez le cobaye.
C R Acad Sci [D] (Paris) 276:73-6, 3 Jan 73 (Fre)
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ FEMALE/ FLUOROMETRY/ GUINEA PIGS/ HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ KINETICS/ MALE/ ORGAN WEIGHT/ SEX FACTORS

792. **Dalmau JM, Plá-Delfina JM, Del Pozo Ojeda A:** Separation and determination of the synthetic epimeric corticosteroids dexamethasone and betamethasone in mixtures by thin-layer chromatography on insoluble polyvinylpyrrolidone.
J Chromatogr 78:165-71, 11 Apr 73
*BETAMETHASONE, isolation & purification/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ *DEXAMETHASONE, isolation & purification/ FLUORESCENCE/ INDICATORS AND REAGENTS/ ISOMERISM/ ISONIAZID/ METHODS/ POLYVINYLPYRROLIDONE/ SOLUBILITY/ SOLVENTS

793. **Dalton K:** Migraine in general practice.
J R Coll Gen Pract 23:97-106, Feb 73
ADULT/ FASTING, adverse effects/ FATIGUE, complications/ FEMALE/ *GENERAL PRACTICE/ HUMAN/ MENSTRUATION DISORDERS, complications/ MIDDLE AGE/ *MIGRAINE, diagnosis/ MIGRAINE, drug therapy/ MIGRAINE, etiology/ PROGESTERONE, therapeutic use/ STRESS, complications/ WATER-ELECTROLYTE BALANCE

794. **Dalzell DP, el-Attar TM:** Gas chromatographic determination of urinary excretion of testosterone, epitestosterone, and androstenedione in pre-adolescent and adolescent children.
J Clin Endocrinol Metab 36:1237-43, Jun 73
ADOLESCENCE/ ADULT/ AGING/ *ANDROSTANES, urine/ ANDROSTENEDIONE, urine/ CARBON ISOTOPES/ CHILD/ CHROMATOGRAPHY, GAS/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ PUBERTY/ *TESTOSTERONE, urine

795. **Damron BL, Harms RH:** Partial replacement of sulfur amino acids in layer diets with sodium sulfate.
Poult Sci 52:400-2, Jan 73
*AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BODY WEIGHT, drug effects/ *CHICKENS, physiology/ FEMALE/ *OVULATION, drug effects/ *SULFATES, pharmacodynamics/ *SULFUR, pharmacodynamics

796. **Danova LA, Filov VA:** Funktsional'noe sostoianie pecheni bol'nykh limfogranulematozom pri khimio-luchevom lechenii.
Vopr Onkol 18:43-7, 1972 (Rus)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, physiopathology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ *LIVER, physiopathology/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISOLONE, therapeutic use/ PROCARBAZINE, therapeutic use/ PROPYLAMINES, therapeutic use/ STREPTONIGRIN, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

797. **Danutra V, Harper ME, Boyns AR, et al:** The effect of certain stilboestrol analogues on plasma prolactin and testosterone in the rat.
J Endocrinol 57:207-15, May 73
ADRENAL GLANDS, drug effects/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DIET/ *DIETHYLSTILBESTROL, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ LH, pharmacodynamics/ MALE/ ORGAN WEIGHT/ *PROLACTIN, blood/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ STILBENES, pharmacodynamics/ TESTIS, drug effects/ *TESTOSTERONE, blood

798. **Danzo BJ:** Characterization of a receptor for human chorionic gonadotrophin in luteinized rat ovaries.
Biochim Biophys Acta 304:560-9, 28 Apr 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ IODINE ISOTOPES/ KINETICS/ LH, secretion/ MICROSOMES, metabolism/ OVARY, cytology/ OVARY, metabolism/ *OVARY, metabolism/ OVARY, secretion/ PAROTID GLAND, metabolism/ PREGNANCY/ PROTEIN BINDING/ RATS/ SUBCELLULAR FRACTIONS, metabolism/ TEMPERATURE/ TIME FACTORS

LIBRARY U. OF I. URBANA-CHAMPAIGN

799. **Dao TL:** Ablation therapy for hormone-dependent tumors. Annu Rev Med 23:1-18, 1972 (83 ref.)
*ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, prevention & control/ *BREAST NEOPLASMS, therapy/ CASTRATION/ CORTISONE, administration & dosage/ DIABETES INSIPIDUS, etiology/ *ENDOCRINE GLANDS, surgery/ ESTROGENS, physiology/ ESTROGENS, urine/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ HYPOPHYSECTOMY, adverse effects/ HYPOTHYROIDISM, etiology/ 17-KETOSTEROIDS, urine/ MASTECTOMY/ MENOPAUSE/ MENSTRUATION/ OVARY, surgery/ PROLACTIN, physiology/ PROTEIN BINDING/ RECEPTORS, HORMONE/ REVIEW/ SOMATOTROPIN, physiology/ SULFURTRANSFERASES, metabolism/ TIME FACTORS

800. **Dao TL, Morreal C, Nemoto T:** Urinary estrogen excretion in men with breast cancer.
N Engl J Med 289:138-40, 19 Jul 73
ADULT/ AGED/ *BREAST NEOPLASMS, urine/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ HUMAN/ MALE/ MIDDLE AGE

801. **Datsenko VS, Purizhanskii II:** Primenenie nizhnei nepriamoi limfografii pri onkologicheskikh zabolevaniiakh.
Med Radiol (Mosk) 17:8-11, Sep 72 (Rus)
ADULT/ BLADDER NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, diagnosis/ DISGERMINOMA, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ GOLD COLLOID, RADIOACTIVE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ *LYMPHOGRAPHY/ MALE/ *NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ RECTAL NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, diagnosis

802. **Datskovskii BM, Zaks AS, Mitriukovskii LS:** Novye dannye o primenenii dimetilsul'foksida v eksperimental'noi i klinicheskoi dermatologii)obzor literatury.
Vestn Dermatol Venerol 47:30-6, Jan 73 (Rus)
ADRENAL CORTEX HORMONES, pharmacodynamics/ ALLERGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, pharmacodynamics/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ DERMATITIS, CONTACT, physiopathology/ *DERMATOLOGIC AGENTS, pharmacodynamics/ *DIMETHYL SULFOXIDE, pharmacodynamics/ DIMETHYL SULFOXIDE, therapeutic use/ DRUG SYNERGISM/ ECZEMA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIPIDS, pharmacodynamics/ MEMBRANES, drug effects/ NEURODERMATITIS, drug therapy/ PREGNANCY/ PSORIASIS, drug therapy/ RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ REVIEW/ SKIN, drug effects/ SKIN ABSORPTION, drug effects/ SKIN DISEASES, drug therapy/ SOLVENTS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

803. **Dauben WG, Williams RG, McKelvey RD:** Photochemistry of 9,10-dimethyl- 1,3 -hexalins and related steroids. The role of ground-state conformations in accordant processes.
J Am Chem Soc 95:3932-41, 13 Jun 73
ANDROSTENES, radiation effects/ CYCLOSTEROIDS, radiation effects/ HYDROXYSTEROIDS, radiation effects/ ISOMERISM/ METHODS/ METHYLATION/ MODELS, CHEMICAL/ MOLECULAR CONFORMATION/ NAPHTHALENES, radiation effects/ *PHOTOCHEMISTRY/ *STEROIDS, radiation effects

804. **Daughaday WH, Jacobs LS:** Human prolactin.
Ergeb Physiol 67:169-94, 1972 (102 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ DOPA, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ERGOT ALKALOIDS/ FEMALE/ GEL FILTRATION/ HUMAN/ HYPOTHALAMUS, physiology/ IN VITRO/ LACTATION/ LACTATION DISORDERS, etiology/ LEUCINE, metabolism/ MENSTRUATION/ MOLECULAR WEIGHT/ *PITUITARY GLAND, secretion/ PREGNANCY/ PROLACTIN, biosynthesis/ PROLACTIN, blood/ PROLACTIN, isolation & purification/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ REVIEW/ SOMATOTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TRITIUM

805. **Daum F, Rosen JF, Boley SJ:** Parathyroid adenoma, parathyroid crisis, and acute pancreatitis in an adolescent. J Pediatr 83:275-7, Aug 73
ACUTE DISEASE/ *ADENOMA, complications/ ADENOMA, surgery/ ALKALINE PHOSPHATASE, blood/ AMYLASE, blood/ BLOOD UREA NITROGEN/ CALCIUM, blood/ CHILD/ FEMALE/ HUMAN/ MAGNESIUM, blood/ *PANCREATITIS, complications/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood

806. **Davey KG, Hominick WM:** Endocrine relationships between nematodes and their insect hosts--a review.
Exp Parasitol 33:212-25, Apr 73 (90 ref.)
ANIMAL EXPERIMENTS/ ECDYSONE, physiology/ ECOLOGY/ ENDOCRINE GLANDS/ *HORMONES, physiology/ INSECT CONTROL/ INSECTS, growth & development/ *INSECTS, physiology/ JUVENILE HORMONES, physiology/ LARVA, growth & development/ NEMATODA, drug effects/ NEMATODA, growth & development/ *NEMATODA, physiology/ NEUROSECRETION/ PEST CONTROL, BIOLOGICAL/ REPRODUCTION/ REVIEW

807. **David L, François R:** Conceptions actuelles de la différenciation sexuelle.
Pediatrie 27:813-30, Dec 72 (Fre)
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ *GENITALIA, embryology/ HUMAN/ MALE/ *SEX CHROMOSOMES

808. **David M, Mollard P, Daudet M, et al:** L'ambiguité sexuelle dans le pseudo-herpaphrodisme féminin. A porpos de 61 observations.
Pediatrie 27:871-89, Dec 72 (Fre)
CHILD/ CHILD, PRESCHOOL/ CONTRAST MEDIA/ FEMALE/ *GENITALIA, FEMALE, abnormalities/ GENITALIA, FEMALE, radiography/ HUMAN/ INFANT/ METHODS/ *PSEUDOHERMAPHRODITISM/ PSEUDOHERMAPHRODITISM, classification/ PSEUDOHERMAPHRODITISM, etiology/ PSEUDOHERMAPHRODITISM, surgery/ PSYCHOLOGY/ URINARY TRACT INFECTIONS, occurrence

809. **Davidoff F:** Guanidine derivatives in medicine.
N Engl J Med 289:141-6, 19 Jul 73 (46 ref.)
ANIMAL EXPERIMENTS/ ANTIDIABETICS/ AXONS, drug effects/ BIGUANIDES, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES/ CALCIUM, metabolism/ CATIONS, DIVALENT/ CATIONS, MONOVALENT/ CHEMISTRY/ DEPRESSION, CHEMICAL/ DIFFUSION/ GLUCONEOGENESIS, drug effects/ GUANETHIDINE, pharmacodynamics/ GUANIDINES, adverse effects/ GUANIDINES, metabolism/ *GUANIDINES, pharmacodynamics/ GUANIDINES, therapeutic use/ HUMAN/ HYPOGLYCEMIA, chemically induced/ INSULIN, physiology/ NERVE ENDINGS, drug effects/ OXYGEN CONSUMPTION, drug effects/ PYRUVATE KINASE, antagonists & inhibitors/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYMPATHOLYTICS

810. **Davies P, Griffiths K:** Stimulation in vitro of prostatic

ribonucleic acid polymerase by 5 -dihydrotestosterone-receptor complexes. Biochem Biophys Res Commun 53:373-82, 17 Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CASTRATION/ CELL NUCLEOLUS, enzymology/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATIN, pharmacodynamics/ CYTOSOL, enzymology/ GEL FILTRATION/ IN VITRO/ MALE/ PROSTATE, cytology/ PROSTATE, drug effects/ *PROSTATE, enzymology/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ *RNA POLYMERASE, metabolism/ *STANOLONE, pharmacodynamics/ SUBCELLULAR FRACTIONS, enzymology/ TEMPLATES/ TIME FACTORS/ TRITIUM

11. **Davies WA, Reed PI:** Acute ulceration of the oesophagus following hypophysectomy. Gut 14:431, May 73
ACUTE DISEASE/ *ESOPHAGEAL DISEASES, etiology/ GASTROINTESTINAL DISEASES, etiology/ GASTROSCOPY/ HUMAN/ *HYPOPHYSECTOMY, adverse effects/ *ULCER, etiology

12. **Davis HL Jr, Brown RR, Leklem J, et al:** Tryptophan metabolism in breast cancer. Correlation with urinary steroid excretion. Cancer 31:1061-4, May 73
ADULT/ AGED/ AMINOHIPPURIC ACID, urine/ *ANDROSTERONE, urine/ ANTHRANILIC ACID, urine/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, urine/ *ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ KYNURENIC ACID, urine/ KYNURENINE, urine/ MIDDLE AGE/ *TRYPTOPHAN, metabolism/ XANTHURENATES, urine

13. **Davis NR:** A method for the determination of lysine-derived collagen crosslinks. Biochem Biophys Res Commun 52:877-83, 8 Jun 73
AMINO ACIDS, analysis/ AUTOANALYSIS/ BONE AND BONES, analysis/ BOROHYDRIDES/ CARTILAGE, analysis/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ *COLLAGEN, analysis/ COMPARATIVE STUDY/ DENTIN, analysis/ DRUG STABILITY/ EVALUATION STUDIES/ HUMAN/ *LYSINE, analysis/ METHODS/ PROTEIN CONFORMATION/ SKIN, analysis/ TIME FACTORS

14. **Davis RE, Smith BK:** Pyridoxine and depression associated with oral contraception. Lancet 1:1245, 2 Jun 73
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *DEPRESSION, chemically induced/ DEPRESSION, drug therapy/ FEMALE/ HUMAN/ MIDDLE AGE/ PYRIDOXAL, metabolism/ *PYRIDOXINE, therapeutic use

15. **Davis RM, Baetz AL, Hubbert WT, et al:** Age-related change of LDH activity and isoenzyme patterns in the bovine fetus. Biol Neonate 22:64-77, 1973
ANIMAL EXPERIMENTS/ CATTLE/ ERYTHROCYTES, enzymology/ *FETUS, enzymology/ GESTATIONAL AGE/ *ISOENZYMES, analysis/ ISOENZYMES, blood/ *LACTATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, blood/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PANCREAS, enzymology/ SPLEEN, enzymology/ THYMUS GLAND, enzymology/ THYROID GLAND, enzymology

16. **Davis SL, Borger ML:** The effect of thyroidectomy on the secretion of prolactin and on plasma levels of thyrotropin, luteinizing hormone and growth hormone in lambs. Endocrinology 92:1736-9, Jun 73
ANIMAL EXPERIMENTS/ FEEDBACK/ FEMALE/ IODINE ISOTOPES/ *LH, blood/ METABOLIC CLEARANCE RATE/ *PROLACTIN, blood/ SECRETORY RATE/ SHEEP/ *SOMATOTROPIN, blood/ *THYROIDECTOMY/ *THYROTROPIN, blood/ THYROTROPIN, physiology/ TIME FACTORS

17. **Davison K, Osselton JW:** Parachlorophenylalanine, serotonin and sleep. Br J Psychiatry 122:493-4, Apr 73
ANIMAL EXPERIMENTS/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ DRUG TOLERANCE/ HUMAN/ METHADONE/ MICE/ *MORPHINE ADDICTION, metabolism/ RATS/ SEROTONIN, metabolism/ *SLEEP, drug effects

18. **Daw E, McKinley C:** Lactation inhibition. Nurs Mirror 136:18-9, 29 Jun 73
LACTATION/ SPECIAL LIST NURSING

19. **Dawson EB, Frey MJ, Monistere N, et al:** Essential metals in oral contraceptive tablets. Am J Obstet Gynecol 116:412-4, 1 Jun 73
CALCIUM, analysis/ CALCIUM, blood/ *CONTRACEPTIVES, ORAL, analysis/ COPPER, analysis/ ESTROGENS, analysis/ MAGNESIUM, analysis/ *METALS, analysis/ POTASSIUM, analysis/ PROGESTERONE, analysis/ SODIUM, analysis/ ZINC, analysis

20. **Dawson JL:** Effects of sex hormones on cognitive style in rats and men. Behav Genet 2:21-42, Mar 72
ANIMAL EXPERIMENTS/ *COGNITION, drug effects/ DIETHYLSTILBESTROL, pharmacodynamics/ DISCRIMINATION LEARNING, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ GENETICS, BEHAVIORAL/ HUMAN/ INTELLIGENCE TESTS/ MALE/ MODELS, BIOLOGICAL/ MOTOR ACTIVITY, drug effects/ PERSONALITY, drug effects/ PROBLEM SOLVING, drug effects/ RATS/ REVERSAL LEARNING, drug effects/ SEX FACTORS/ *SEX HORMONES, pharmacodynamics/ SOCIALIZATION/ SPACE PERCEPTION, drug effects/ TESTOSTERONE, pharmacodynamics/ VISUAL PERCEPTION, drug effects

21. **Dawson RG:** Recovery of function: implications for theories of brain function. Behav Biol 8:439-60, Apr 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BRAIN, physiology/ CATS/ DISCRIMINATION LEARNING/ DOGS/ DRINKING/ EATING/ HUMAN/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MODELS, NEUROLOGIC/ MONKEYS/ MOTOR ACTIVITY/ NERVE REGENERATION/ NEURONS, physiology/ RATS/ SPINAL CORD, physiology/ VISUAL PERCEPTION

22. **Day MD, Roach AG, Whiting RL:** The mechanism of the antihypertensive action of -methyldopa in hypertensive rats. Eur J Pharmacol 21:271-80, Mar 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ DESOXYCORTICOSTERONE/ DISULFIRAM, pharmacodynamics/ DOPA DECARBOXYLASE, antagonists & inhibitors/ DOPA OXIDASE, antagonists & inhibitors/ HYPERTENSION, chemically induced/ HYPERTENSION, enzymology/ MALE/ METHYLDOPA, antagonists & inhibitors/ *METHYLDOPA, pharmacodynamics/ RATS/ SERYLTRIHYDROXY BENZYLHYDRAZINE, administration & dosage/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ THIOCARBAMATES, pharmacodynamics/ TIME FACTORS

23. **De UJ:** Catatonia from fluphenazine. Br J Psychiatry 122:240-1, Feb 73
BRAIN, analysis/ *CATATONIA, chemically induced/ EXTRAPYRAMIDAL TRACTS, drug effects/ *FLUPHENAZINE, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ SCHIZOPHRENIA, drug therapy/ SEROTONIN, analysis

24. **De Alvarez RR:** Hypertensive disorders in pregnancy. Clin Obstet Gynecol 16:47-71, Mar 73
BLOOD PRESSURE/ BRAIN, physiopathology/ CEREBROVASCULAR CIRCULATION/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HORMONES, metabolism/ HUMAN/ KIDNEY DISEASES, diagnosis/ PHEOCHROMOCYTOMA,

LIBRARY U. OF I., URBANA-CHAMPAIGN

diagnosis/ PREGNANCY/ *PREGNANCY TOXEMIAS/ PREGNANCY TOXEMIAS, classification/ PREGNANCY TOXEMIAS, diagnosis/ PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TOXEMIAS, occurrence/ PREGNANCY TOXEMIAS, pathology/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY TOXEMIAS, prevention & control/ PREGNANCY TOXEMIAS, therapy/ SODIUM, metabolism/ UNITED STATES/ WATER-ELECTROLYTE BALANCE

825. **De Alvarez RR, Jahed FM, Spitalny KJ, et al:** The influence of oral contraceptive steroids on serum lipids. Am J Obstet Gynecol 116:727-49, 1 Jul 73
ADULT/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ESTROGENS, pharmacodynamics/ FATTY ACIDS, blood/ FEMALE/ HUMAN/ *LIPIDS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ MONKEYS/ PHOSPHOLIPIDS, blood/ TIME FACTORS/ TRIGLYCERIDES, blood

826. **Dean FD:** Lipoproteins in relation to skin disease. Br J Dermatol 88:191-6, Feb 73 (48 ref.)
ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ ARTERIOSCLEROSIS/ BLOOD PROTEIN DISORDERS, complications/ CHOLESTEROL, blood/ CHYLOMICRONS, blood/ CHYLOMICRONS, metabolism/ DIET THERAPY/ HUMAN/ HYPOTHYROIDISM/ LIPOPROTEINS, blood/ *LIPOPROTEINS, metabolism/ LIPOPROTEINS, HDL, metabolism/ LIPOPROTEINS, LDL, metabolism/ LIPOPROTEINS, VLDL, metabolism/ REVIEW/ SKIN DISEASES, etiology/ *SKIN DISEASES, metabolism/ TRIGLYCERIDES, blood/ XANTHOMATOSIS, metabolism

827. **Deanesly R:** Origins and development of interstitial tissue in ovaries of rabbit and guinea-pig. J Anat 113:251-60, Nov 72
ANIMAL EXPERIMENTS/ CONNECTIVE TISSUE, growth & development/ CONNECTIVE TISSUE CELLS, cytology/ EPITHELIAL CELLS, cytology/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ OVARY, analysis/ *OVARY, anatomy & histology/ OVARY, cytology/ OVARY, growth & development/ RABBITS

828. **Debevere JM, Voets JP:** The role of macronutrient minerals on the anaerobic trimethylamineoxyde reduction by an Achromobacter sp. isolated from fresh fish. Z Allg Mikrobiol 12:549-58, 1972
*ACHROMOBACTER, metabolism/ ANAEROBIOSIS/ CALCIUM, metabolism/ IRON, metabolism/ MAGNESIUM, metabolism/ *METHYLAMINES, metabolism/ *MINERALS, metabolism/ OXIDATION-REDUCTION/ OXIDES, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

829. **Debreceni L, Csete B:** Effect of changes of body fluid volume on aldosterone and corticosterone production in the rat. Acta Physiol Acad Sci Hung 41:243-7, 1972
ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *BLOOD VOLUME/ *BODY FLUIDS/ BODY WATER/ *CORTICOSTERONE, secretion/ EXTRACELLULAR SPACE/ HEMORRHAGE/ POTASSIUM, blood/ RATS/ SODIUM, blood/ *WATER/ WATER-ELECTROLYTE BALANCE

830. **Debreceni L, Marosi I, Csete B:** Effect of a replacement of the plasma water space on aldosterone production in the sodium-depleted rat.
Acta Physiol Acad Sci Hung 41:237-41, 1972
*ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *BLOOD VOLUME/ BLOOD VOLUME, drug effects/ BODY WATER, drug effects/ CORTICOSTERONE, secretion/ DEXTRAN, administration & dosage/ DEXTRAN, pharmacodynamics/ GLUCOSE, administration & dosage/ GLUCOSE, pharmacodynamics/ HYPONATREMIA/ INFUSIONS, PARENTERAL/ MALE/ MUSCLES, analysis/ POTASSIUM, blood/ RATS/ SECRETORY RATE, drug effects/ *SODIUM, blood/ WATER-ELECTROLYTE BALANCE, drug effects

831. **Deby C, Magotteaux G, Neuray J, et al:** Prostaglandinémie chez le chien brûlé.
J Physiol (Paris) 65:Suppl 3:385A, 1972 (
ANIMAL EXPERIMENTS/ ANTIOXIDANTS, blood/ *BURNS, blood/ DOGS/ LIPIDS, blo PEROXIDES, blood/ *PROSTAGLANDINS, blood

832. **Dechambre RP, Gosse C:** Vliianie gruppovogo izolirovannogo soderzhaniia myshei na raviti perevivaemykh opukholei.
Vopr Onkol 18:51-5, 1972 (
ADRENAL GLANDS, drug effects/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ASCI FLUID, analysis/ BODY WEIGHT/ CARCINOMA, KREBS 2, etiology/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ INJECTIONS, INTRAPERITONEAL/ *LEUKEMIA, EXPERIMENTAL, etiology/ MELANOMA, etiology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL, etiology/ NEOPLASMS, EXPERIMENTAL, mortality/ ORGAN WEIGHT/ POPULATION DENSITY/ *PSYCHOLOGY, SOCIAL/ SOCIAL ISOLAT

833. **Decoulx M:** Complications du traitement par corticoides. Utilisation et importance de celui-c médicine dentaire.
Rev Belge Med Dent 27:209-16, Mar 72 (
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL COR HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, metabolism/ ADREN CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeu use/ BEHAVIOR, drug effects/ BONE MARROW, drug effects/ *DENTAL CARE/ GASTROINTESTINAL SYSTEM/ HUMAN/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ KIDNEY, drug effects/ METABOLISM, drug effects/ MITOSIS, dru effects/ MOUTH DISEASES, drug therapy/ WATER-ELECTROLYTE BALANCE, drug effects

834. **Dees JE:** Metastatic embryonal cell carcinoma of t an apparent 8-year cure. J Urol 110:90-2, Ju
ADULT/ CHLORAMBUCIL, therapeutic use DACTINOMYCIN, therapeutic use/ HUMAN LUNG NEOPLASMS/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiography/ LYMPHOGRAPHY/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PROGNOSIS/ RETROPERITONEAL NEOPLASMS/ RETROPERITONEAL NEOPLASMS, drug therapy/ RETROPERITONEAL NEOPLASM radiography/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ *TERATOID TUMOR, therapy/ TESTICULAR NEOPLAS drug therapy/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, the

835. **Degos R, Civatte J, Touraine R, et al:** Acrokér paranéoplasique de Bazex.
Ann Med Interne (Paris) 124:231-4, Mar 73
AGED/ BIOPSY/ *CARCINOMA, BASAL CELL, complications/ EAR DISEASES, etiology/ *FOOT DERMATOSES, etiology/ *HAND DERMATOSES, etiology/ HUMAN/ *KERATOSIS, etiology/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ *NE NEOPLASMS, complications/ NECK NEOPLASMS, diagnosis/ NECK NEOPLASI radiotherapy/ NECK NEOPLASMS, surgery

NOSE DISEASES, etiology/ SKIN MANIFESTATIONS/ VITAMIN D, therapeutic use

8. **Degos R, Civatte J, Blanchet P, et al:** Prurit, seule manifestation pendant 5 ans d'une maladie de Hodgkin.
Ann Med Interne (Paris) 124:235-8, Mar 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ HYDRAZINES, therapeutic use/ LYMPHATIC METASTASIS/ MALE/ *MEDIASTINAL NEOPLASMS, complications/ MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINAL NEOPLASMS, drug therapy/ MIDDLE AGE/ PRURITUS, drug therapy/ *PRURITUS, etiology/ VINCRISTINE, therapeutic use

7. **DeGroot L, Paloyan E:** Thyroid carcinoma and radiation. A Chicago endemic.
JAMA 225:487-91, 30 Jul 73
*ADENOCARCINOMA, etiology/ ADENOCARCINOMA, occurrence/ ADOLESCENCE/ ADULT/ AGE FACTORS/ CARCINOMA, classification/ *CARCINOMA, etiology/ CARCINOMA, occurrence/ CARCINOMA, surgery/ CHICAGO/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ *NEOPLASMS, RADIATION-INDUCED/ RADIATION EFFECTS/ RADIOTHERAPY DOSAGE/ THYMUS GLAND, radiation effects/ THYROID NEOPLASMS, classification/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ TIME FACTORS/ TONSIL, radiation effects

3. **Deguchi T:** Role of the beta adrenergic receptor in the elevation of adenosine cyclic 3',5'-monophosphate and induction of serotonin N-acetyltransferase in rat pineal glands. Mol Pharmacol 9:184-90, Mar 73
*ACETYLTRANSFERASES, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ ISOPROTERENOL, pharmacodynamics/ MALE/ PINEAL BODY, drug effects/ *PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC/ SEROTONIN/ TIME FACTORS

9. **Deguchi T, Sinha AK, Barchas JD:** Biosynthesis of serotonin in Raphé nuclei of rat brain: effect of p-chlorophenylalanine.
J Neurochem 20:1329-36, May 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, metabolism/ BRAIN STEM, anatomy & histology/ BRAIN STEM, drug effects/ BRAIN STEM, enzymology/ *BRAIN STEM, metabolism/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ KINETICS/ MALE/ PARGYLINE, pharmacodynamics/ RATS/ *SEROTONIN, biosynthesis/ SEROTONIN, metabolism/ TRYPTOPHAN, pharmacodynamics/ TRYPTOPHAN HYDROXYLASE, analysis

1. **De Kretser DM:** Health information in the mass media: the case of chorionic gonadotropin and obesity.
Med J Aust 1:462, 3 Mar 73
GONADOTROPINS, CHORIONIC, analysis/ *GONADOTROPINS, CHORIONIC, metabolism/ LH, analysis/ *OVARY, metabolism/ *RECEPTORS, DRUG/ *TESTIS, metabolism

1. **Delaage M:** L'hyperthyroïde vue par le cardiologue.
Ann Cardiol Angeiol (Paris) 21:523-7, Nov-Dec 72 (Fre)
ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ *HEART, physiopathology/ HEART RATE/ HUMAN/ *HYPERTHYROIDISM, physiopathology

842. **De Lena M, De Palo GM, Bonadonna G, et al:** Terapia del carcinoma mammario metastatizzato con ciclofosfamide, methotrexate, vincristina e fluorouracile.
Tumori 59:11-24, Jan-Feb 73 (Ita)
ANDROGENS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ *FLUOROURACIL, therapeutic use/ HUMAN/ MASTECTOMY/ *METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS, drug therapy/ PROGESTATIONAL HORMONES, therapeutic use/ REMISSION/ *VINCRISTINE, therapeutic use

843. **Delange F, Costa A, Ermans AM, et al:** A survey of the clinical and metabolic patterns of endemic cretinism.
Adv Exp Med Biol 30:175-87, 1972
BRAZIL/ *CRETINISM/ CRETINISM, diagnosis/ CRETINISM, metabolism/ CRETINISM, physiopathology/ DEAF-MUTISM, etiology/ ECUADOR/ GOITER, ENDEMIC, complications/ HUMAN/ HYPOTHYROIDISM, complications/ ITALY/ MENTAL RETARDATION, etiology/ NEPAL/ NERVOUS SYSTEM, physiopathology/ NEW GUINEA/ THYROID GLAND, physiopathology/ ZAIRE

844. **Delange F, Ermans AM, Stanbury JB:** Endemic cretinism in Idjwi Island (Kivu Lake, Zaire Republic).
Adv Exp Med Biol 30:87-113, 1972
ADOLESCENCE/ ADULT/ CHILD/ CRETINISM, diagnosis/ CRETINISM, drug therapy/ CRETINISM, familial & genetic/ *CRETINISM, occurrence/ CRETINISM, radiography/ ELECTROCARDIOGRAPHY/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, etiology/ HEART CONDUCTION SYSTEM, drug effects/ HUMAN/ HYPOTHYROIDISM, complications/ IODINE, metabolism/ MYXEDEMA, diagnosis/ POSTURE/ RADIOISOTOPE SCANNING/ SEX CHARACTERISTICS/ SKIN DISEASES, complications/ THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE, therapeutic use/ ZAIRE

845. **DeLellis RA, Merk FB, Deckers P, et al:** Ultrastructure and in vitro growth characteristics of a transplantable rat pheochromocytoma. Cancer 32:227-35, Jul 73
*ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL MEDULLA, pathology/ ANIMAL EXPERIMENTS/ *CELL DIVISION/ CYTOPLASMIC GRANULES/ EPINEPHRINE, analysis/ FLUORESCENCE/ MALE/ MICROSCOPY, ELECTRON/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ NOREPINEPHRINE, analysis/ *PHEOCHROMOCYTOMA, pathology/ RATS/ TISSUE CULTURE/ TRANSPLANTATION, HOMOLOGOUS

846. **Delespesse G, Duchateau J, Kennes B, et al:** The leukocyte migration test in human thyroid autoimmunity. Correlations with other immunological reactions. Horm Metab Res 5:176-9, May 73
ANTIBODIES/ AUTOANTIBODIES/ *CELL MIGRATION INHIBITION/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *IMMUNITY/ LEUKOCYTES/ LYMPHOCYTE TRANSFORMATION/ THYROGLOBULIN, blood/ THYROID DISEASES, immunology/ *THYROID GLAND, immunology

847. **Delhumeau-Ongray G, Trejo-Bayona R, Lara-Vivas L:** Changes of (Ca 2+ -Mg 2+)-adenosine-triphosphatase activity in rat testis throughout maturation.
J Reprod Fertil 33:513-7, Jun 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, metabolism/ AGE FACTORS/ *CALCIUM, metabolism/ *MAGNESIUM,

LIBRARY U. OF L. URBANA-CHAMPAIGN

metabolism/ MALE/ RATS/ TEMPERATURE/ TESTIS, enzymology/ *TESTIS, metabolism

848. **Delmage DA**: Three cases of alopecia in the dog related to adrenocortical dysfunction.
J Small Anim Pract 13:265-75, May 72
ADENOMA, complications/ ADENOMA, veterinary/ ADRENAL GLAND HYPERFUNCTION, complications/ *ADRENAL GLAND HYPERFUNCTION, veterinary/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, veterinary/ ALOPECIA, complications/ *ALOPECIA, veterinary/ ANIMAL EXPERIMENTS/ *DOG DISEASES, complications/ DOGS/ FEMALE/ MALE

849. **DeLorenzo RJ, Walton KG, Curran PF, et al**: Regulation of phosphorylation of a specific protein in toad-bladder membrane by antidiuretic hormone and cyclic AMP, and its possible relationship to membrane permeability changes.
Proc Natl Acad Sci USA 70:880-4, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, metabolism/ BUFO MARINUS/ *CELL MEMBRANE PERMEABILITY, drug effects/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, metabolism/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ OUABAIN, pharmacodynamics/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ *PROTEINS, metabolism/ *VASOPRESSIN, pharmacodynamics

850. **Del Pozo E, Friesen H, Burmeister P**: Endocrine profile of a specific prolactin inhibitor: Br-ergocryptine (CB 154). A preliminary report.
Schweiz Med Wochenschr 103:847-8, 9 Jun 73
CORTICOTROPIN, secretion/ *ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ *PROLACTIN, antagonists & inhibitors/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR

851. **(DeLuca HF)**: Citation for the Eli Lilly Lecturer of The Endocrine Society for 1973 to Hector F. DeLuca, PhD.
J Clin Endocrinol Metab 37:172-3, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ UNITED STATES

852. **DeLuca HF**: The kidney as an endocrine organ for the production of 1,25-dihydroxyvitamin D 3 , a calcium-mobilizing hormone.
N Engl J Med 289:359-65, 16 Aug 73 (71 ref.)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, DIETARY, metabolism/ CHICKENS/ DIHYDROTACHYSTEROL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ FEEDBACK/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ HYDROXYCHOLECALCIFEROL, physiology/ HYDROXYLATION/ HYPOPARATHYROIDISM, metabolism/ INTESTINAL ABSORPTION/ INTESTINES, metabolism/ *KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ LIVER, metabolism/ PARATHYROID HORMONE, physiology/ PHOSPHORUS, blood/ RATS/ REVIEW/ STRONTIUM, pharmacodynamics/ VITAMIN D, metabolism

853. **(DeLuca HF)**: Citation for the Eli Lilly Lecturer of The Endocrine Society for 1973 to Hector F. DeLuca, Ph.D.
Endocrinology 93:269-70, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ *SOCIETIES, SCIENTIFIC/ UNITED STATES

854. **Del Villar RG, Ireland GW, Cass AS**: Early exploratio following trauma to the testicle.
J Trauma 13:600-1, Jul 73
CONTUSIONS, etiology/ HEMATOCELE, etiology/ HUMAN/ MALE/ NECROSIS/ ORCHITIS, etiology/ RUPTURE, etiology/ *SCROTUM, surgery/ *TESTIS, injuries/ TESTIS, surgery/ TIME FACTORS

855. **Demesy-Waeldele F, Stoclet JC**: Etude de l'antagonism entre l'AMP cyclique et le calcium sur l'aorte isolée d rat dépolarisée.
J Physiol (Paris) 65:Suppl 3:387A+, 1972 (Fr
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ *CALCIUM, antagonists & inhibitors/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ RATS

856. **Deminatti M**: Etude de l'incorporation du 35 SO 4 Na dans les cellules thyréotropes après thyroïdectom chez la souris.
C R Soc Biol (Paris) 166:1316-8, 1972 (Fr
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ MICE/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ SODIUM, metabolism/ *SULFATES, metabolism/ SULFUR ISOTOPES/ *THYROID GLAND, physiology/ THYROIDECTOMY/ *THYROTROPIN, secretion

857. **Deminatti M, Degand P, Havez R**: Etude biochimiq des composés radiosulfatés dans la préhypophyse Cyprin (Carassius auratus L.) après injection de 35 4 Na 2. C R Soc Biol (Paris) 166:1319-23, 1972 (Fr
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHROMATOGRAPHY/ *CYPRINIDAE, metabolism/ HISTOCYTOCHEMISTRY/ *PITUITARY GLAND, metabolism/ SODIUM, metabolism/ *SULFATES, metabolism/ SULFUR ISOTOPE

858. **Demisch K, Magnet W, Neubauer M, et al**: Studies abo unconjugated androstenediol in human periphe plasma. J Clin Endocrinol Metab 37:129-34, Jul
ADRENAL GLAND HYPOFUNCTION, blood/ ADRENAL GLAND NEOPLASMS, blood/ AMMONIUM SULFATE/ ANALYSIS OF VARIANCE/ *ANDROSTENES, blood/ BINDING, COMPETITIVE/ CHROMATOGRAPHY, PAPER/ CORTICOTROPIN, diagnostic use/ CUSHING' SYNDROME/ DEXAMETHASONE, diagnostic use/ ETHERS/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HIRSUTISM, blood/ HUMAN/ HYPOGONADISM, blood/ MALE/ METHODS/ TESTOSTERONE, blood/ TRITIUM

859. **Demski LS**: Feeding and aggressive behavior evoked hypothalamic stimulation in a cichlid fish.
Comp Biochem Physiol [A] 44:685-92, 1 Mar
*AGGRESSION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED *FEEDING BEHAVIOR/ FISHES/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, BIOLOGICAL/ TIME FACTORS

860. **Demski LS, Gerald JW**: Sound production evoked electrical stimulation of the brain in toadfi (Opsanus beta). Anim Behav 20:507-13, Aug
AIR BLADDER, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ ELECTRIC STIMULATION/ FEMALE/ *FISHES/ HYPOTHALAMUS, physiology/ MALE/ MEDULLA OBLONGATA, physiology MESENCEPHALON, physiology/ NEURONS, physiology/ *SOUND/ SPINAL CORD, physiology/ STEREOTAXIC TECHNICS/ VOCALIZATION, ANIMAL

861. **De Nayer P, Labrique M, De Visscher M**: Synthesis

association of thyroglobulin subunits in a polyribosomal cell-free system.
Biochim Biophys Acta 294:309-21, 19 Jan 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, enzymology/ DISULFIDES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GUANIDINES, pharmacodynamics/ MERCAPTOETHANOL, pharmacodynamics/ MOLECULAR WEIGHT/ PEPTIDES, biosynthesis/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ PROTEIN BINDING/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, cytology/ THYROID GLAND, enzymology/ THYROID GLAND, metabolism/ TIME FACTORS

. **Deucker L, Tjälve H:** Distribution of vitamin D 3 : evidence of accumulation in renal proximal tubuli and thyroid parafollicular cells.
Experientia 29:719-22, 15 Jun 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BONE MARROW, metabolism/ BROWN FAT, metabolism/ CARBON ISOTOPES/ CHOLECALCIFEROL, blood/ *CHOLECALCIFEROL, metabolism/ CONNECTIVE TISSUE, metabolism/ FEMALE/ FETUS, metabolism/ INTESTINAL MUCOSA, metabolism/ INTESTINES, metabolism/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ LIVER, metabolism/ MALE/ MICE, INBRED C57BL/ PITUITARY GLAND, metabolism/ PREGNANCY/ *THYROID GLAND, metabolism

. **Denckla WD:** Minimal O 2 consumption as an index of thyroid status: standardization of method.
Endocrinology 93:61-73, Jul 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ GONADS, physiology/ MALE/ *OXYGEN CONSUMPTION/ OXYTOCIN, pharmacodynamics/ PANCREAS, physiology/ PARATHYROID GLANDS, physiology/ PINEAL BODY, physiology/ PITUITARY GLAND, physiology/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ RATS/ SOMATOTROPIN, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ THYMUS GLAND, physiology/ *THYROID GLAND, physiology/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

Deneke WA, Day BN: Effect of superovulation on litter size of swine at 70 days of gestation.
J Anim Sci 36:1137-8, Jun 73
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORPUS LUTEUM, anatomy & histology/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ FETUS, anatomy & histology/ GESTATIONAL AGE/ GONADOTROPINS, EQUINE, pharmacodynamics/ *OVULATION, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *SWINE, physiology/ THIOUREA, pharmacodynamics

De Nicola AF, Dahl V, Kaplan S: Transformation of (14 C)-pregnenolone and production of corticosteroids by adrenal glands from rats bearing a transplantable mammotropic pituitary tumor.
J Steroid Biochem 4:205-15, Mar 73
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, metabolism/ FEMALE/ GLYCEROPHOSPHATES, pharmacodynamics/ HYDROXYBUTYRATES, pharmacodynamics/ HYDROXYCORTICOSTEROIDS, biosynthesis/ HYDROXYCORTICOSTEROIDS, blood/ HYDROXYLATION/ KINETICS/ MALE/ MITOCHONDRIA, metabolism/ *PITUITARY NEOPLASMS, metabolism/ *PREGNENOLONE, metabolism/ RATS

866. **Denk H, Tappeiner G, Eckerstorfer R, et al:** Carcinoembryonic antigen (CEA) in gastrointestinal and extragastrointestinal tumors and its relationship to tumor-cell differentiation.
Int J Cancer 10:262-72, 15 Sep 72
ADENOCARCINOMA, immunology/ *ANTIGENS, NEOPLASM, analysis/ BRONCHIAL NEOPLASMS, immunology/ CARCINOEMBRYONIC ANTIGEN, analysis/ CARCINOMA, immunology/ CARCINOMA, EPIDERMOID, immunology/ CELL DIFFERENTIATION/ COLONIC NEOPLASMS, immunology/ CYSTADENOCARCINOMA, immunology/ FLUORESCENT ANTIBODY TECHNIC/ *GASTROINTESTINAL NEOPLASMS, immunology/ HEPATOMA, immunology/ HUMAN/ IMMUNE SERUMS/ INTESTINAL MUCOSA, immunology/ LIVER NEOPLASMS, immunology/ LYMPHOSARCOMA/ OVARIAN NEOPLASMS, immunology/ PANCREATIC NEOPLASMS, immunology/ RABBITS, immunology/ STOMACH NEOPLASMS, immunology/ THORACIC NEOPLASMS, immunology/ TONSILLAR NEOPLASMS, immunology

867. **Denson KW:** The detection of factor-VIII-like antigen in haemophilic carriers and in patients with raised levels of biologically active factor VIII.
Br J Haematol 24:451-61, Apr 73
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ EPINEPHRINE, pharmacodynamics/ EXERTION/ *FACTOR VIII, analysis/ FEMALE/ GENOTYPE/ GYNECOLOGIC DISEASES, surgery/ HEMOPHILIA, classification/ HEMOPHILIA, diagnosis/ HEMOPHILIA, familial & genetic/ *HEMOPHILIA, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ MALE/ RABBITS, immunology/ *SEX CHROMOSOMES/ VON WILLEBRAND'S DISEASE, immunology

868. **Dent JN, Eng LA, Forbes MS:** Relations of prolactin and thyroid hormone to molting, skin texture, and cutaneous secretion in the red-spotted newt.
J Exp Zool 184:369-82, Jun 73
ANIMAL EXPERIMENTS/ FSH, pharmacodynamics/ HYPOPHYSECTOMY/ LH, pharmacodynamics/ MICROSCOPY, ELECTRON, SCANNING/ *PROLACTIN, pharmacodynamics/ *SALAMANDERS, physiology/ SKIN, cytology/ *SKIN, drug effects/ SKIN, secretion/ SOMATOTROPIN, pharmacodynamics/ THYROIDECTOMY/ THYROTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics

869. **Deol MS:** Congenital deafness and hypothyroidism.
Lancet 2:105-6, 14 Jul 73
ANIMAL EXPERIMENTS/ DEAFNESS, chemically induced/ DEAFNESS, complications/ *DEAFNESS, congenital/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ MATERNAL-FETAL EXCHANGE/ MICE/ MICE, INBRED C57BL/ ORGAN OF CORTI, drug effects/ PREGNANCY/ PROPYLTHIOURACIL

870. **De Oliveira LF, Bretas AD:** [Blockade by bufotenidine of the serotonin- and narcotic-analgesics-induced contraction of dog intestine in vivo.
Eur J Pharmacol 21:369-71, Mar 73
ANIMAL EXPERIMENTS/ *DEXTROMORAMIDE, antagonists & inhibitors/ DEXTROMORAMIDE,

LIBRARY U. OF I., URBANA-CHAMPAIGN

pharmacodynamics/ DOGS/ *HALLUCINOGENS, pharmacodynamics/ *INTESTINES, drug effects/ JEJUNUM, drug effects/ *MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics

871. **Da Prada M, Carruba M, Saner A, et al:** The action L-dopa on sexual behaviour of male rats. Brain Res 55:383-9, 15 Jun 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ DOPA, antagonists & inhibitors/ *DOPA, pharmacodynamics/ DOPA DECARBOXYLASE, antagonists & inhibitors/ *HYDRAZINES, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects

872. **Derenne JP, Canh VN, Pariente R:** Traitement de l'état de mal asthmatique. Conception actuelle (à propos de 18 cas. Nouv Presse Med 2:1693-6, 23 Jun 73 **(Fre)**
ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ADULT/ AGED/ AMINOPHYLLINE, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, drug therapy/ *ASTHMA, therapy/ BLOODLETTING/ CARBON DIOXIDE, blood/ DEXAMETHASONE, therapeutic use/ DYSPNEA, therapy/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ METHODS/ MIDDLE AGE/ OXYGEN, blood/ OXYGEN INHALATION THERAPY/ PROGNOSIS/ RESPIRATION, ARTIFICIAL

873. **Der Kaloustian VM, Kurban AK:** Xeroderma pigmentosum. Br J Dermatol 88:513-5, May 73 (13 ref.)
AMNIOTIC FLUID, radiation effects/ AUTOSOME ABNORMALITIES/ CELLS, CULTURED/ DNA REPAIR/ DNA REPLICATION/ DWARFISM/ FIBROBLASTS/ GENES, RECESSIVE/ HUMAN/ HYPOGONADISM/ IN VITRO/ MENTAL RETARDATION/ MICROCEPHALY/ MITOCHONDRIA, MUSCLE/ PRENATAL DIAGNOSIS/ RADIATION EFFECTS/ REVIEW/ SKIN NEOPLASMS, etiology/ ULTRAVIOLET RAYS/ XERODERMA PIGMENTOSUM, complications/ *XERODERMA PIGMENTOSUM, diagnosis/ XERODERMA PIGMENTOSUM, familial & genetic/ XERODERMA PIGMENTOSUM, metabolism

874. **Derzhavin VM, Granova LV, Kalashnikova OA, et al:** Aldosteron kak faktor adaptatsii pri narusheniiakh vodnosolevogo obmena v posleoperatsionnom periode u detei. Pediatriia 52:50-4, Jan 73 **(Rus)**
ADOLESCENCE/ *ALDOSTERONE, urine/ CHILD/ CHILD, PRESCHOOL/ HEMORRHAGE, blood/ HOMEOSTASIS/ HUMAN/ LUNG, surgery/ POSTOPERATIVE COMPLICATIONS, blood/ POSTOPERATIVE COMPLICATIONS, urine/ POTASSIUM, blood/ SODIUM, blood/ SURGERY, OPERATIVE/ *WATER-ELECTROLYTE BALANCE

875. **Desai AD, Deshpande DH, Banerji AP, et al:** Sex linked muscular dystrophies: severe and benign variety. Neurol India 20:163-89, Dec 72
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CREATINE KINASE, blood/ ELECTROMYOGRAPHY/ ENZYME TESTS/ FEMALE/ GENES/ HISTOCYTOCHEMISTRY/ HUMAN/ INTELLIGENCE TESTS/ MALE/ MUSCLES, enzymology/ MUSCULAR DYSTROPHY, diagnosis/ MUSCULAR DYSTROPHY, enzymology/ *MUSCULAR DYSTROPHY, familial & genetic/ MUSCULAR DYSTROPHY, physiopathology/ NEURAL CONDUCTION/ *SEX CHROMOSOMES

876. **DeSanto LW, Gorman CA:** Selection of patients and choice of operation for orbital decompression in graves ophthalmopathy. Laryngoscope 83:945-59, Jun 73
ADULT/ AGED/ CORNEAL ULCER, complications/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ MALE METHODS/ MIDDLE AGE/ OCULOMOTOR MUSCLES, surgery/ OPTIC NEURITIS, complications/ *ORBIT, surgery/ PAPILLEDEMA, complications/ POSTOPERATIVE COMPLICATIONS/ VISIO DISORDERS, etiology

877. **Deseo KV:** Side-effect of diapause inducing factor the reproductive activity of some lepidopte species. Nature [New Biol] 242:126-7, 28 Ma
ANIMAL EXPERIMENTS/ FEMALE/ FERTILITY/ INSECTS, anatomy & histolog INSECTS, growth & development/ *INSECT physiology/ LARVA, growth & developmen LIGHT/ MALE/ OVULATION/ REPRODUCTION/ TESTIS, anatomy & histology

878. **Desiauriers R, Garrigou-Lagrange C, Bellocq AM,** Carbon-13 nuclear magnetic resonance studie thyrotropin-releasing factor and related pept FEBS Lett 31:59-66, 1 Apr 73
CARBON ISOTOPES/ HISTIDINE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ *PEPTIDES/ PROLINE/ SOLVENTS/ SPECTRUM ANALYSIS/ *THYROTROPIN RELEASING FACTOR

879. **De Souza e Silva NA, Wilson DM:** Hypercalc associated with chronic lymphocytic leuken Treatment with mithramycin. Postgrad Med 53:129-34, Jun 73
BONE NEOPLASMS, complications/ DIURETICS, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ KIDNEY, pathology/ *LEUKEMIA, LYMPHOCYTIC, complications/ LEUKEMIA, LYMPHOCYTI pathology/ LUNG, pathology/ LYMPHOSARCOMA, complications/ MALE/ MIDDLE AGE/ *MITHRAMYCIN, therapeu use/ NEOPLASM METASTASIS/ PREDNISONE, therapeutic use/ SODIUM CHLORIDE, therapeutic use

880. **Desproges-Gotteron R, Dunoyer J, Loubet R, et** propos d'un cas d'angiomatose diffuse et extensi squelette. Rev Rhum Mal Osteoartic 39:306-11, Apr 72
AGED/ *ANGIOMATOSIS/ ANGIOMATOSIS etiology/ ANGIOMATOSIS, pathology/ ANGIOMATOSIS, radiography/ ARTERIOVENOUS FISTULA, complication *BONE AND BONES/ *BONE DISEASES/ BONE RESORPTION/ CASE REPORT/ ELBOW/ ELBOW, radiography/ FEMALE/ HIP/ HIP, radiography/ HUMAN/ SKULL, radiography/ TIBIA, radiography

881. **Dessy C, Heriant M, Chrétien M:** Détection immuno-fluorescence des cellules synthétisa lipotropine. C R Acad Sci [D] (Paris) 276:335-8, 15 Jan 73
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CORTICOTROPIN, biosynth FLUORESCENT ANTIBODY TECHNIC/ GLYCOPROTEINS, biosynthesis/ HEMAGGLUTINATION TESTS/ HISTOCYTOCHEMISTRY/ IMMUNE SERU LIPOTROPIN, biosynthesis/ MSH, biosynth *PITUITARY GLAND, cytology/ *PITUITA HORMONES, ANTERIOR, biosynthesis/ SE immunology/ SWINE, immunology

882. **Dethlefs B, Tronnier H:** Erfahrungen mit antimetabolischen Therapie in der Dermato Dermatol Monatsschr 159:34-44, Jan 73
ADOLESCENCE/ ADULT/ AGED/ AUTOIMMUNE DISEASES, drug therapy/ *AZATHIOPRINE, therapeutic use/ CHILD CHILD, PRESCHOOL/ ENGLISH ABSTRA EVALUATION STUDIES/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/

HUMAN/ MALE/ MIDDLE AGE/ *SKIN DISEASES, drug therapy

3. **Dewhurst SA, Croker SG, Ikeda K, et al:** Metabolism of biogenic amines in Drosophila nervous tissue. Comp Biochem Physiol [B] 43:975-81, 15 Dec 72
ACETYLCHOLINESTERASE, metabolism/ ACETYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BRAIN, enzymology/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, metabolism/ CHOLINE/ DOPA DECARBOXYLASE, metabolism/ *DROSOPHILA, metabolism/ GANGLIA, enzymology/ IN VITRO/ MONOAMINE OXIDASE, metabolism/ NERVE TISSUE, enzymology/ *NERVE TISSUE, metabolism/ SEROTONIN, metabolism/ TYRAMINE, metabolism

4. **De Witte C, Dony A, Sersté JP:** Ulcère oesophagien iatrogène. J Belge Radiol 55:655-6, Nov-Dec 72 (Fre)
ADULT/ DIAPHRAGMATIC HERNIA, complications/ *ESOPHAGEAL DISEASES, chemically induced/ ESOPHAGEAL DISEASES, complications/ HUMAN/ MALE/ *PEPTIC ULCER, chemically induced/ PEPTIC ULCER, complications/ *PREDNISOLONE, adverse effects

5. **Dey SK, Deb C:** Testicular leucine aminopeptidase in different vertebrates.
Acta Histochem (Jena) 45:71-4, 1973
ANIMAL EXPERIMENTS/ BUFO/ FISHES/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ *LEUCINE AMINOPEPTIDASE, analysis/ LIZARDS/ MALE/ MICE/ PIGEONS/ RATS/ SPERMATOZOA, enzymology/ *TESTIS, enzymology

6. **Dhalla NS, Yates JC, Kleinberg I:** Oscillations of intramuscular pH in perfused rat heart.
Can J Physiol Pharmacol 51:234-8, Mar 73
ANIMAL EXPERIMENTS/ ANTIMONY/ CALCIUM, metabolism/ ELECTRODES/ HEART, physiology/ HEART VENTRICLE, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *MYOCARDIUM, metabolism/ PERFUSION/ RATS/ TIME FACTORS

7. **Dhindsa DS, Resko JA, Metcalfe J:** Concentration of progesterone in systemic plasma of goats: effects of various routes of administration.
J Endocrinol 57:247-52, May 73
ABDOMINAL WALL/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *GOATS/ INJECTIONS, INTRAMUSCULAR/ MALE/ *PROGESTERONE, administration & dosage/ PROGESTERONE, blood/ SILICONE ELASTOMERS/ TIME FACTORS

8. **Dhondt G, Houvenaghel A, Peeters G, et al:** Influence of vasoactive hormones on mammary arterial blood flow in lactating cows.
Arch Int Pharmacodyn Ther 201:195-6, Jan 73
*ACETYLCHOLINE, pharmacodynamics/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ARGININE, pharmacodynamics/ ARTERIES, drug effects/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ *BRADYKININ, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CATTLE/ FEMALE/ *LACTATION/ PREGNANCY/ *UDDER, blood supply/ UDDER, drug effects/ VASOPRESSIN, pharmacodynamics

9. **Diaz LA, Provost TT, Tomasi TB Jr:** Pustular necrotizing angiitis. Arch Dermatol 108:114-8, Jul 73
ADULT/ AGED/ BIOPSY/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ METHYLPREDNISOLONE, therapeutic use/ PERIARTERITIS NODOSA, diagnosis/ PERIARTERITIS NODOSA, drug therapy/ PERIARTERITIS NODOSA, immunology/ *PERIARTERITIS NODOSA, pathology/ *SKIN, pathology/ SUPPURATION

890. **Dickinson A:** Prandial drinking following septal lesions in rats. Physiol Behav 10:335-8, Feb 73
ANIMAL EXPERIMENTS/ *DRINKING/ *EATING/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ HYPOTHALAMUS, physiology/ MALE/ RATS/ SALIVATION/ *SEPTUM PELLUCIDUM, physiology/ WATER

891. **Dickson RA, Paice F, Calnan JS:** The quantitative colour television image analyser. A new method of measuring bone density.
J Bone Joint Surg [Br] 55:359-68, May 73
*BONE AND BONES, radiography/ BONE RESORPTION/ COLOR/ *DENSITOMETRY, X-RAY, instrumentation/ FINGER JOINT/ FINGERS/ HUMAN/ METACARPUS/ *TECHNOLOGY, RADIOLOGIC/ *TELEVISION

892. **Dietzman RH, Rebelo AE, Graham EF, et al:** Long-term functional success following freezing of canine kidneys. Surgery 74:181-9, Aug 73
ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ CRYOPROTECTIVE AGENTS/ DIMETHYL SULFOXIDE, therapeutic use/ DOGS/ *FREEZING/ ISOPROTERENOL, therapeutic use/ KIDNEY, analysis/ KIDNEY, pathology/ *KIDNEY, physiology/ KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ LACTATE DEHYDROGENASE, blood/ METHODS/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ NEPHRECTOMY/ PERFUSION/ *PRESERVATION, BIOLOGICAL/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

893. **Dihlmann W, Müller G:** Sacroiliacalbefunde beim Hyperaprathyreoidismus (Röntgenologie, Histomorphologie. Radiologe 13:160-3, Apr 73 (Ger)
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, SECONDARY, pathology/ *HYPERPARATHYROIDISM, SECONDARY, radiography/ SACROILIAC JOINT, pathology/ *SACROILIAC JOINT, radiography/ SPONDYLITIS, ANKYLOSING, radiography/ TIME FACTORS

894. **Dikstein S:** Efficiency and survival of the corneal endothelial pump. Exp Eye Res 15:639-44, 10 May 73
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, physiology/ ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, physiology/ ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *CORNEA, metabolism/ ENDOTHELIUM, metabolism/ EPITHELIUM, metabolism/ GLUTATHIONE, pharmacodynamics/ IN VITRO/ KINETICS/ MEMBRANE POTENTIALS/ OXYGEN CONSUMPTION/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SODIUM, metabolism/ TETRAZOLIUM SALTS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

895. **Dilke TF, Burry HC, Grahame R:** Extradural corticosteroid injection in management of lumbar nerve root compression. Br Med J 2:635-7, 16 Jun 73
ANESTHESIA, EPIDURAL/ CLINICAL RESEARCH/ HUMAN/ INTERVERTEBRAL DISK DISPLACEMENT, complications/ *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, adverse effects/ METHYLPREDNISOLONE, therapeutic use/ *NERVE COMPRESSION SYNDROMES, drug therapy/ PAIN, drug therapy/ *SCIATICA, drug therapy/ *SPINAL NERVE ROOTS/ TIME FACTORS

896. **Dillard MG, Dujovne I, Pollak VE, et al:** The effect of treatment with prednisone and nitrogen mustard on the renal lesions and life span of patients with lupus glomerulonephritis. Nephron 10:273-91, 1973
ADOLESCENCE/ ADULT/ AUTOPSY/

LIBRARY U. OF I., URBANA-CHAMPAIGN

BIOPSY/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG SYNERGISM/ FEMALE/ FIBRINOGEN, analysis/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOSUPPRESSION/ KIDNEY, cytology/ KIDNEY, immunology/ KIDNEY FAILURE, ACUTE, etiology/ LIFE EXPECTANCY/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ *MECHLORETHAMINE, therapeutic use/ MICROSCOPY, ELECTRON/ *PREDNISONE, therapeutic use

897. **Dil'man VM:** Elevatsionnyi mekhanizm starenila kak vazhneishii faktor riska razvitila opukholei.
Vopr Onkol 19:101-11, May 73 **(Rus)**
ADULT/ *AGING/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BODY WEIGHT/ CARCINOGENS/ DEXAMETHASONE, pharmacodynamics/ DIET/ ESTROGENS, physiology/ FEMALE/ GLYCOLYSIS/ HUMAN/ HYPOTHALAMUS, physiology/ INSULIN, physiology/ MIDDLE AGE/ *NEOPLASMS, etiology/ NEOPLASMS, metabolism/ NEOPLASMS, occurrence/ PHENOLS, urine/ PREDNISOLONE, pharmacodynamics/ PREGNANCY/ RATS/ REPRODUCTION/ SOMATOTROPIN, physiology/ STEROIDS, urine

898. **Dimino MJ, Reece RP:** Effects of gonadotropic hormones on rat ovarian lysosomes.
Biol Reprod 8:523-30, Jun 73
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CATHEPSIN, metabolism/ ENZYME TESTS/ FEMALE/ *FSH, pharmacodynamics/ GLUCURONIDASE, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, PITUITARY, pharmacodynamics/ *HYDROLASES, analysis/ *LH, pharmacodynamics/ *LYSOSOMES, drug effects/ OVARY, enzymology/ OVULATION, drug effects/ RATS/ RIBONUCLEASE, metabolism

899. **Dimitriu G:** La réactivité du système hypothalamus-hypophyse-surrénale des cobayes, en fonction de l'âge.
Rev Roum Physiol 10:139-47, 1973 **(Fre)**
*ADRENAL GLANDS, physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CHOLESTEROL, physiology/ CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, physiology/ FEMALE/ GUINEA PIGS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL SYSTEM

900. **Dimond RC, Bramer SR, Atkinson RL, et al:** Chlorpromazine treatment and growth hormone secretory responses in acromegaly.
J Clin Endocrinol Metab 36:1189-95, Jun 73
*ACROMEGALY, blood/ ACROMEGALY, drug therapy/ ADULT/ ARGININE, diagnostic use/ BLOOD SUGAR, analysis/ CHLORPROMAZINE, administration & dosage/ *CHLORPROMAZINE, therapeutic use/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, diagnostic use/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

901. **Dimov V, Gréen K:** The metabolism of prostaglandin F 3 in the rat.
Biochim Biophys Acta 306:257-69, 24 May 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ ETHERS, analysis/ FEMALE/ MASS SPECTRUM ANALYSIS/ OXIDATION-REDUCTION/ OZONE/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, chem synthesis/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, urine/ RATS/ SILICON/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

902. **Dingemans KP:** The development of TSH produ pituitary tumours in the mouse.
Virchows Arch [Zellpathol] 12:338-59, 30 Ma
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL COUNT/ CEL NUCLEUS/ CILIA/ ENDOPLASMIC RETICULUM/ ENDOTHELIUM, cytology/ MACROPHAGES, cytology/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DB MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOSIS/ MODELS, BIOLOGICAL/ ORGAN WEIGHT/ *PITUITARY GLAND, physiopathology/ PITUITARY NEOPLASMS metabolism/ *PITUITARY NEOPLASMS, physiopathology/ THYMIDINE/ THYROIDECTOMY/ *THYROTROPIN, biosynthesis/ TIME FACTORS/ TRITIUM

903. **Dinkov Iv:** Klinichno znachenie na khemaglutinatsionnata proba na Boyden pri tireotoksikoza.
Vutr Boles 12:61-5, 1973
ANTIGENS, analysis/ AUTOANTIBODIES, analysis/ ENGLISH ABSTRACT/ FEMALE/ *HEMAGGLUTINATION TESTS/ HUMAN/ *HYPERTHYROIDISM, immunology/ IMMUNITY/ LONG-ACTING THYROID STIMULATOR, analysis/ MALE/ PROTEIN-BOUND IODINE TEST

904. **Dinter Z, Diderholm H:** Bovine virus diarrhoea acquired resistance to acriflavine. Brief re
Arch Gesamte Virusforsch 38:272-7, 1972
*ACRIDINES, pharmacodynamics/ BOVINE VIRUS DIARRHEA- MUCOSAL DISEASE, microbiology/ CATTLE/ *CATTLE DISEAS microbiology/ CELL LINE/ CROSS REACTIONS/ *DRUG RESISTANCE, MICROBIAL/ MALE/ MUTATION/ NEUTRALIZATION TESTS/ PLAQUE ASS *RNA VIRUSES, drug effects/ RNA VIRU growth & development/ RNA VIRUSES, immunology/ TESTIS/ VESICULAR STOMATITIS VIRUS, drug effects/ VESICULAR STOMATITIS VIRUS, growth development/ VIRUS CULTIVATION/ *VI DISEASES, veterinary

905. **DiOrio LP, Miller SA, Navia JM:** The separate effe protein and calorie malnutrition on the develop and growth of rat bones and teeth.
J Nutr 103:856-65, Jun 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ *BONE DEVELOPMENT/ CASEIN, administration dosage/ CEPHALOMETRY/ DENTAL CAR SUSCEPTIBILITY/ DIETARY PROTEINS, administration & dosage/ FEMALE/ INCIS growth & development/ LACTATION/ MANDIBLE, growth & development/ MOL growth & development/ *NUTRITION DISORDERS/ ORGAN WEIGHT/ PREGNA PROTEIN-CALORIE MALNUTRITION/ PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, mortality/ *PROTEIN DEFICIENCY/ RATS/ TIBIA, growth & development/ *TOOTH, growth & development/ TOOTH ERUPTIO

906. **Distler A, Grobecker H, Kreye VA, et al:** Physiolo pathology of vascular response.
Australas Radiol 23:18-30, Jan 73
ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD PRESSURE/ BLOOD VESSELS, metabolism *BLOOD VESSELS, physiology/ BLOOD VESSELS, physiopathology/ CALCIUM/ HEMODIALYSIS/ HUMAN/ HYDROXYDOPAMINE/ HYPERALDOSTERONISM/ HYPERTENSIO physiopathology/ MUSCLE CONTRACTION MUSCLE, SMOOTH, enzymology/ MUSCLE SMOOTH, metabolism/ MUSCLE, SMOOTH physiology/ MUSCLE TONUS/ NEUROEFFECTOR JUNCTION/

NOREPINEPHRINE, metabolism/ SODIUM/ VASCULAR RESISTANCE

07. **Dix V:** Physiologisches Alter von Aedes-Mücken. Angew Parasitol 14:76-82, May 73 (Ger)
*AEDES, physiology/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BLOOD/ ENGLISH ABSTRACT/ FEMALE/ INSECT VECTORS/ MOSQUITO CONTROL/ OVARY, cytology/ OVARY, physiology/ *REPRODUCTION/ SEASONS/ SPECIES SPECIFICITY

08. **Dixit, Vp, Lohiya NK:** Inhibition of thyroid function following the administration of metopiron (SU-4885). Experientia 29:711-3, 15 Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CHIROPTERA/ GERBILS/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ *METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ PROTEIN-BOUND IODINE TEST/ RATS/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism

09. **Dixon R, East S, Buckley M, et al:** Disappearance of radioactivity from plasma following intravenous administration of tritiated thyrotrophin-releasing hormone (Ro 8-6270) to man. Experientia 29:483-4, 15 Apr 73
COMPUTERS, DIGITAL/ FEMALE/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ THYROTROPIN RELEASING FACTOR, blood/ *THYROTROPIN RELEASING FACTOR, metabolism/ TRITIUM

10. **Djoseland O, Hansson V, Haugen HN:** Androgen metabolism by rat epididymis. 1. Metabolic conversion of 3 H-testosterone in vivo. Steroids 21:773-83, Jun 73
ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ *EPIDIDYMIS, metabolism/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ RATS/ *TESTOSTERONE, metabolism/ TRITIUM

11. **Diouha H, Erdösova R, Kraus M, et al:** The effect of sodium intake on maternal milk electrolytes and aldosterone, corticosterone and 18-hydroxydeoxy-corticosterone production in the offspring of rats. Biol Neonate 22:38-49, 1973
*ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ *CORTICOSTERONE, biosynthesis/ *GLUCOCORTICOIDS, biosynthesis/ *MILK, analysis/ POTASSIUM, analysis/ RATS/ SODIUM, analysis/ *SODIUM, metabolism

12. **Dmitriev IM:** Vkliuchennia C 14 iz Na 2 C 14 O 3 v bilki tkanyn kistok i zubiv shchuriv za eksperymental'noho rakhitu. Ukr Biokhim Zh 44:611-3, 1972 (Ukr)
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *CARBON ISOTOPES, metabolism/ *CARBONATES, metabolism/ DIET/ ENGLISH ABSTRACT/ FEMUR, analysis/ INJECTIONS, INTRAPERITONEAL/ JAW, analysis/ PROTEINS, analysis/ RATS/ *RICKETS, metabolism/ SODIUM, metabolism/ TIME FACTORS/ TOOTH, analysis/ *TOOTH, metabolism

13. **Doba N, Reis DJ:** Acute fulminating neurogenic hypertension produced by brainstem lesions in the rat. Circ Res 32:584-93, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ BRAIN STEM, pathology/ *BRAIN STEM, physiopathology/ CARBON DIOXIDE, blood/ CARDIAC OUTPUT/ CENTRAL VENOUS PRESSURE/ DECEREBRATE STATE/ HEART RATE/ HYPERTENSION, complications/ *HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ MALE/ OXYGEN, blood/ PRESSORECEPTORS, physiopathology/ PULMONARY EDEMA, etiology/ RATS/ RESPIRATION

914. **Dobson H, Boyd LJ, Exley D:** Circulating oestrogens and progesterone in the bovine after synchronization with melengestrol acetate. J Reprod Fertil 33:231-7, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, blood/ *ESTRUS, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE/ MELENGESTROL, pharmacodynamics/ *PREGNADIENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY

915. **Dockray GJ, Pickering AD:** The influence of the gonad on the degeneration of the intestine in migrating river lampreys: Lampetra fluviatilis L. (Cyclostomata). Comp Biochem Physiol [A] 43:279-86, 1 Oct 72
ANIMAL EXPERIMENTS/ ATROPHY/ BODY WEIGHT/ CASTRATION/ CHOLECYSTOKININ, metabolism/ CHYMOTRYPSIN, analysis/ *CYCLOSTOMES/ FEMALE/ FRESH WATER/ INTESTINES, anatomy & histology/ INTESTINES, enzymology/ *INTESTINES, growth & development/ INTESTINES, physiopathology/ MALE/ MICROSCOPY/ ORGAN WEIGHT/ *OVARY, physiology/ STAINS AND STAINING/ *TESTIS, physiology/ TIME FACTORS/ TRYPSIN, analysis

916. **Doggett NS, Spencer PS:** Pharmacological properties of centrally-administered agents which interfere with neurotransmitter function: a comparison with the central depressant effects of ouabain. Br J Pharmacol 47:26-38, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ BUTYRATES, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED STRAINS/ MORPHINE, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ NIALAMIDE, pharmacodynamics/ OUABAIN, administration & dosage/ *OUABAIN, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ TETRABENAZINE, pharmacodynamics/ THIOCARBAMATES, pharmacodynamics/ TIME FACTORS

917. **Doggett NS, Spencer PS:** Further studies on the pharmacological effects of pentobarbitone and 2,4-dinitrophenol injected into the cerebral ventricles of the mouse and rat. Eur J Pharmacol 22:150-5, May 73
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ CEREBRAL VENTRICLES/ DINITROPHENOLS, administration & dosage/ *DINITROPHENOLS, pharmacodynamics/ DOPAMINE, metabolism/ DRUG SYNERGISM/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ LETHAL DOSE 50/ MALE/ NOREPINEPHRINE, metabolism/ PENTOBARBITAL, administration & dosage/ *PENTOBARBITAL, pharmacodynamics/ PHENOBARBITAL, toxicity/ RATS/ SEROTONIN, metabolism/ TIME FACTORS

918. **Doktorovich NL, Chechetkin AV:** Deiaki storony obminu elektrolitiv u kistkovii tkanyni kurchat. Ukr Biokhim Zh 44:607-10, 1972 (Ukr)
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *CHICKENS, metabolism/ COLLAGEN, analysis/ COLORIMETRY/ ENGLISH ABSTRACT/

LIBRARY U. OF I., URBANA-CHAMPAIGN

GLUCOSE, analysis/ GLYCOGEN, analysis/ HISTOLOGICAL TECHNICS/ PHOTOMETRY/ POTASSIUM, analysis/ *POTASSIUM, metabolism/ SODIUM, analysis/ *SODIUM, metabolism

919. **Domiñguez AE, Fernández BE, Vidal NA:** Urinary excretion of catecholamines; modifications with triiodothyronine and sexual hormones.
Medicina (B Aires) 32:619-24, Nov-Dec 72
ANIMAL EXPERIMENTS/ CATECHOLAMINES, urine/ EPINEPHRINE, urine/ FEMALE/ NOREPINEPHRINE, urine/ RATS/ *SEX HORMONES, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

920. **Domschke W, Domschke S, Classen M, et al:** Histamine and cyclic 3',5'-AMP in gastric acid secretion.
Nature 243:454-5, 16 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTRIC JUICE, analysis/ GASTRIC JUICE, secretion/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ PHOSPHATES/ RATS

921. **Dondero F, Isidori A:** Autoimmunisation antitesticulaire chez l'homme.
Ann Endocrinol (Paris) 33:417-25, Jul-Aug 72 (Fre)
AUTOANTIBODIES, analysis/ BASEMENT MEMBRANE, immunology/ ENGLISH ABSTRACT/ EPITHELIUM/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ SPERMATOGENESIS/ SPERMATOZOA/ *STERILITY, MALE, immunology/ *TESTIS, immunology

922. **Doniach I, Perrin J:** Distribution of microsomal antigen in various types of thyroid tumour.
Clin Exp Immunol 14:77-90, May 73
ADENOCARCINOMA, immunology/ ADENOMA, immunology/ ADULT/ *ANTI-ANTIBODIES, analysis/ *ANTIGENS, analysis/ CARCINOMA, immunology/ CARCINOMA, PAPILLARY, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ *MICROSOMES, immunology/ MIDDLE AGE/ MITOCHONDRIA, immunology/ *THYROID NEOPLASMS, immunology

923. **Donini S, Olivieri V, Ricci G, et al:** Subunits of human chorionic gonadotrophin: an immunochemical study.
Acta Endocrinol (Kbh) 73:133-45, May 73
AMINO ACIDS, analysis/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ FSH, physiology/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, physiology/ GONADOTROPINS, CHORIONIC, urine/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LH, physiology/ NEURAMINIC ACIDS, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ UREA

924. **Schimpff RM:** Quantitative determination of somatomedin in human serum (35 S uptake by embryonic chick cartilage).
Biomedicine 19:142-7, 10 Apr 73
ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CARTILAGE, metabolism/ CHICK EMBRYO/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYPOPITUITARISM, blood/ METHODS/ MIDDLE AGE/ SOMATOMEDIN, analysis/ *SOMATOMEDIN, blood/ SOMATOMEDIN, metabolism/ SOMATOTROPIN, pharmacodynamics/ SULFUR ISOTOPES

925. **Donoso AO, Bishop W, McCann SM:** The effects of drugs which modify catecholamine synthesis on serum prolactin in rats with median eminence lesions.
Proc Soc Exp Biol Med 143:360-3, Jun 73
ANIMAL EXPERIMENTS/ *CARBAMATES, pharmacodynamics/ *CATECHOLAMINES, biosynthesis/ *DOPA, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ PITUITARY GLAND, physiology/ *PROLACTIN, blood/ RATS/ *TYROSINE, pharmacodynamics

926. **Donovick PJ, Bliss DK, Burright RG, et al:** Effect pinealectomy or septal lesions on intake of unpalatable fluids in rats given sodium deplete replete diets.
Physiol Behav 10:1095-9, Jun
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *APPETITE/ DIET/ *DRINKIN MALE/ *PINEAL BODY, physiology/ POTASSIUM CHLORIDE/ QUININE/ RATS/ *SEPTUM PELLUCIDUM, physiology/ *SODIUM/ SODIUM CHLORIDE/ TASTE

927. **Donta ST, King M, Sloper K:** Induction of steroidogenesis in tissue culture by cholera enterotoxin.
Nature [New Biol] 243:246-7, 20 Jun
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ CLONE CELLS/ CORTICOTROPIN, pharmacodynamics/ *ENTEROTOXINS, pharmacodynamics/ KETOSTEROIDS, biosynthesis/ MICE/ STIMULATION, CHEMICAL/ *VIBRIO/ VIBRIO COMMA

928. **Doppman JL, Wells SA, Shimkin PM, et al:** Parathyr localization by angiographic techniques in patie with previous neck surgery.
Br J Radiol 46:403-18, Jun 73
ADENOMA, radiography/ ANGIOGRAPHY/ CATHETERIZATION/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, etiology/ LIGATION/ MALE/ MIDDLE AGE/ *NECK, surgery/ *PARATHYROID DISEASES, radiotherapy/ PARATHYROID NEOPLASMS, radiography/ PHLEBOGRAPHY/ THYROID GLAND, blood supply

929. **Dorfmann H, Bordier P, Figueroa M, et al:** Ost fibrokystique normaocalcémique. A propos d' observation. Probléme diagnostique et intér pathogémnique.
Ann Med Interne (Paris) 124:217-23, Mar 73 (
*ADENOMA, complications/ ADULT/ ALKALINE PHOSPHATASE, blood/ BIOPS BONE CYST, blood/ BONE CYST, diagnosi BONE CYST, surgery/ *CALCIUM, blood/ CALCIUM, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ *HYPERPARATHYROIDISM, complications/ *OSTEITIS FIBROSA CYSTICA, diagnosis/ OSTEITIS FIBROSA CYSTICA, radiography *PARATHYROID NEOPLASMS, complicatio PHOSPHORUS, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS/ TIBIA/ *VITAMIN D DEFICIENCY, complications

930. **Dorogan' DA:** Kal'tsibiliia pri neprokhodimos zhelchnykh putei i mekhanicheskoi zheltuk
Klin Khir 5:52-3, May 73 (
BILE ACIDS AND SALTS, metabolism/ *BILIARY TRACT DISEASES, etiology/ *CALCINOSIS, etiology/ CALCIUM, metabolism/ CHOLECYSTECTOMY/ CHOLECYSTITIS, complications/ CHRONIC DISEASE/ HUMAN/ *JAUNDICE, OBSTRUCTIVE, surgery/ MALE/ MIDDLE AGE

931. **Doshchitsin VL, Gratsianskii NA, Eremina**
Atrio-ventrikuliarnaia blokada i ee lechenie ostrom infarkte miokarda.
Kardiologiia 13:29-35, Apr 73
ACUTE DISEASE/ ADMINISTRATION, OR AGED/ ATROPINE, therapeutic use/ ELECTROCARDIOGRAPHY/ ELECTROTHERAPY/ ENGLISH ABSTRAC FEMALE/ HEART BLOCK, drug therapy/ HEART BLOCK, etiology/ HEART BLOCK mortality/ HEART BLOCK, physiopatholog *HEART BLOCK, therapy/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic us INJECTIONS, INTRAVENOUS/ INJECTION SUBCUTANEOUS/ ISOPROTERENOL, therapeutic use/ MALE/ MONITORING

SYSTEMS/ *MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, mortality/ PREDNISOLONE, therapeutic use/ THIAMINE PYROPHOSPHATE, therapeutic use

. **Doskin VA, Lavrent'eva NA:** Sutochnye ritmy i ikh rol' v fiziologii i patologii cheloveka.
Sov Med 35:67-70, Apr 72 (77 ref.) **(Rus)**
ANIMAL EXPERIMENTS/ ASTRONOMY/ *BIOLOGICAL CLOCKS/ BLOOD CELLS, physiology/ BLOOD PRESSURE/ CEREBROVASCULAR CIRCULATION/ CHILD/ *CIRCADIAN RHYTHM/ ELECTROCARDIOGRAPHY/ ENDOCRINE GLANDS, physiology/ HIGHER NERVOUS ACTIVITY/ HUMAN/ MONKEYS/ *MORBIDITY/ PERIODICITY/ PULSE/ REVIEW/ SENSORY DEPRIVATION/ SLEEP/ STRESS, physiopathology/ TIME FACTORS/ URINE, physiology/ VISION/ WOUND HEALING

Douglas RJ, Pagano RR, Lovely RH, et al: The prolonged effects of a single ECS on behavior related to hippocampal function. Behav Biol 8:611-7, May 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ AROUSAL/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ CONVULSIONS/ *ELECTROSHOCK/ EMOTIONS/ FEMALE/ *HIPPOCAMPUS, physiology/ HOUSING, ANIMAL/ LOCOMOTION/ MALE/ MEMORY/ ORGAN WEIGHT/ RATS/ TIME FACTORS

Douvres FW, Thompson DE: Histochemical distribution of "leucine" aminopeptidase in Oesophagostomum radiatum grown in vivo and in vitro. J Parasitol 59:417-24, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ GONADS, enzymology/ HISTOCYTOCHEMISTRY/ INTESTINES, enzymology/ LARVA, enzymology/ *LEUCINE AMINOPEPTIDASE, isolation & purification/ MALE/ *OESOPHAGOSTOMUM, enzymology/ OESOPHAGOSTOMUM, growth & development/ STAINS AND STAINING

Downing JW, Coleman AJ, Meer FM: An intravenous method of anaesthesia of Caesarean section. 3. Althesin. Br J Anaesth 45:381-7, Apr 73
ACID-BASE EQUILIBRIUM/ *ANESTHESIA, OBSTETRICAL/ *ANESTHETICS, administration & dosage/ ANESTHETICS, adverse effects/ APGAR SCORE/ CARBON DIOXIDE, blood/ *CESAREAN SECTION/ COGNITION/ CONSCIOUSNESS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ KETONES, administration & dosage/ LUNG DISEASES, complications/ NAUSEA, chemically induced/ OXYGEN, blood/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ *PREGNANES, administration & dosage/ VOMITING, chemically induced

Dráč P: Luteinální insuficience.
Cesk Gynekol 38:217-20, May 73 **(Cze)**
ABORTION, drug therapy/ *CORPUS LUTEUM HORMONES, biosynthesis/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PREGNANCY/ PROGESTERONE, therapeutic use/ *STERILITY, FEMALE, drug therapy

Dražá P: Učestanost horionepitelioma u naših bolesnica (1949-1970.
Srp Arh Celok Lek 100:1065-9, Sep 72 **(Ser)**
*CHORIOCARCINOMA, occurrence/ ENGLISH ABSTRACT/ FEMALE/ HOSPITALIZATION/ HUMAN/ HYDATIDIFORM MOLE, occurrence/ PREGNANCY/ RETROSPECTIVE STUDIES/ *UTERINE NEOPLASMS, occurrence/ YUGOSLAVIA

Dreiser R, Kahn MF, Seze S de: Etude du T.A.O. dans la polyarthrite rhumatoide.
Therapeutique 48:681-3, Dec 72 **(Fre)**
ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, drug therapy/ CLINICAL RESEARCH/ HUMAN/ MIDDLE AGE/ PLACEBOS/ PREDNISONE, therapeutic use/ *TRIACETYLOLEANDOMYCIN, therapeutic use

939. **Drost-Hansen W:** Effects of pressure on the structure of water in various aqueous systems.
Symp Soc Exp Biol 26:81-101, 1972 (112 ref.)
ARGON/ DEUTERIUM/ DIFFUSION/ HYDROSTATIC PRESSURE/ KINETICS/ MEMBRANE POTENTIALS/ MODELS, CHEMICAL/ MODELS, STRUCTURAL/ POTASSIUM/ *PRESSURE/ REVIEW/ SODIUM/ *SOLUTIONS/ SULFATES/ TEMPERATURE/ THIOUREA/ *WATER

940. **Droste KD, Sönnichsen N:** Zur Therapie des Morbus Reiter mit Methotrexate (Kasuistischer Beitrag.
Dermatol Monatsschr 158:902-7, Dec 72 **(Ger)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHOTREXATE, administration & dosage/ *METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ *REITER'S DISEASE, drug therapy

941. **Droszcz W:** Postępy pulmonologii. Teoretyczne podstawy stosowania leków rozszerzających oskrzela.
Pol Arch Med Wewn 50:493-6, May 73 (12 ref.) **(Pol)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *BRONCHODILATOR AGENTS/ BRONCHODILATOR AGENTS, classification/ BRONCHODILATOR AGENTS, pharmacodynamics/ HUMAN/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ RECEPTORS, ADRENERGIC, classification/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, drug effects

942. **Drutz DJ, Gutman RA:** Renal manifestations of leprosy: glomerulonephritis, a complication of erythema nodosum leprosum.
Am J Trop Med Hyg 22:496-502, Jul 73
ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ CREATININE, blood/ ERYTHEMA NODOSUM, complications/ GLOMERULONEPHRITIS, blood/ *GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, pathology/ HEMATURIA, etiology/ HUMAN/ KIDNEY, pathology/ *LEPROSY, complications/ LEPROSY, drug therapy/ LEPROSY, immunology/ LEPROSY, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROTEINURIA, etiology/ PYURIA, etiology/ TAIWAN

943. **Drzhevetskaia IA, Borodin AD, Smetanin VIu, et al:** Ob uchastii vazopressina v razvitii kompensatornoi gipertrofii nadpochechnika.
Probl Endokrinol (Mosk) 19:63-7, Mar-Apr 73 **(Rus)**
*ADRENAL GLAND HYPERFUNCTION, physiopathology/ ADRENAL GLANDS, analysis/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ CORTICOTROPIN, analysis/ CORTICOTROPIN RELEASING FACTOR, analysis/ ENGLISH ABSTRACT/ HYPERTROPHY, physiopathology/ INJECTIONS, INTRAMUSCULAR/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ RATS/ SODIUM CHLORIDE/ TIME FACTORS/ TISSUE EXTRACTS, analysis/ *VASOPRESSIN, pharmacodynamics/ WATER

944. **Dubinsky B, Robichaud RC, Goldberg ME:** Effects of (-) 9 -trans-tetrahydrocannabinol and its selectivity in several models of aggressive behavior.
Pharmacology 9:204-16, 1973
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN INJURIES, ACUTE, physiopathology/ *CANNABIS, pharmacodynamics/ CATS/ CHLORPROMAZINE, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTROSHOCK/ EMOTIONS, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ MICE/ MODELS, PSYCHOLOGICAL/ MOTOR ACTIVITY, drug effects/ RATS/ SOCIAL ISOLATION/

LIBRARY U. OF I., URBANA-CHAMPAIGN

STATISTICS/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics/ TIME FACTORS

945. **Dubnick B, Rucki EW, Salama AI:** A comparison of 1-p-acetyldeoxyephedrine and 4-methyl--ethyl-m-tyramine as to lowering of brain serotonin, and their antagonism by antidepressants.
Eur J Pharmacol 22:121-8, May 73
ACETIC ACIDS, antagonists & inhibitors/ ACETIC ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ COMPARATIVE STUDY/ DESIPRAMINE, pharmacodynamics/ DIBENZAZEPINES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPHEDRINE, administration & dosage/ EPHEDRINE, antagonists & inhibitors/ *EPHEDRINE, pharmacodynamics/ FEMALE/ FLUOROMETRY/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ METHYLTYROSINES, administration & dosage/ METHYLTYROSINES, antagonists & inhibitors/ *METHYLTYROSINES, pharmacodynamics/ MICE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM

946. **Dubois MP, Graf L:** Demonstration by immunofluorescence of the lipotropic hormone-LPH in bovine, ovine and procine adenohypophysis.
Horm Metab Res 5:229, May 73
CATTLE/ FLUORESCENT ANTIBODY TECHNIC/ LIPOTROPIN, analysis/ *PITUITARY GLAND, analysis/ *PITUITARY HORMONES, ANTERIOR, analysis/ SHEEP/ SWINE

947. **Dubuc PU, Reynolds RW:** Hypothalamic metallic deposition and the production of experimental obesity. Physiol Behav 10:677-81, Apr 73
ANIMAL EXPERIMENTS/ *BODY WEIGHT, drug effects/ *COPPER, pharmacodynamics/ EATING, drug effects/ ELECTROLYSIS/ FEEDING BEHAVIOR, drug effects/ FEMALE/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ IONS/ *IRON, pharmacodynamics/ *OBESITY, chemically induced/ RATS/ SATIATION, drug effects/ SODIUM CHLORIDE, pharmacodynamics/ STAINLESS STEEL/ STEREOTAXIC TECHNICS

948. **Dufaure JP, Gigon A, Gathier C:** L'épidiyme de lézard en culture in vitro: un nouveau systéme pour étudier le mode d'action des hormones androgénes.
C R Soc Biol (Paris) 166:366-9, 9 Nov 72 **(Fre)**
*ANDROGENS, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *EPIDIDYMIS, drug effects/ EPIDIDYMIS, secretion/ *LIZARDS/ ORGAN CULTURE/ TESTOSTERONE, pharmacodynamics

949. **Dufy B, Lescure H, Sartor P, et al:** Fixation des hormones gonadiques femelles tritiées dans l'hypothalamus du lapin: corrélations micro-électrophysiologiques.
J Physiol (Paris) 65:Suppl 3:393A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ NEURONS, drug effects/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ RABBITS/ RECEPTORS, HORMONE/ TRITIUM

950. **Dufy-Barbe L, Hendrick JC, Faure JM, et al:** Influence de l'accouplement sur le taux plasmatique des gonadotrophines FSH et LH chez le lapin femelle.
J Physiol (Paris) 65:Suppl 3:394A+, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *COITUS/ FEMALE/ *FSH, blood/ *LH, blood/ OVULATION/ RABBITS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS

951. **Duhault J:** Pharmacologie et biochimie de la fenfluramine.
Vie Med Can Fr 2:141-7, 1973 (25 ref.) **(Fr**
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ BODY TEMPERATURE REGULATION, drug effects/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ DRUG INTERACTIONS/ FATTY ACIDS, NONESTERIFIED, blood/ FENFLURAMINE, administration & dosage/ FENFLURAMINE, analysis/ *FENFLURAMIN pharmacodynamics/ FENFLURAMINE, therapeutic use/ FENFLURAMINE, toxicity/ HUMAN/ HYPOTHALAMUS, drug effects/ MICE/ OBESITY, drug therapy/ RABBITS/ RATS/ REVIEW/ SEROTONIN, metabolism/ SLEEP, drug effects/ TRIGLYCERIDES, blo

952. **Duignan NM, Andrews J, Williams JD:** Pharmacolog studies with lincomycin in late pregnancy.
Br Med J 3:75-8, 14 Jul 73
AMNIOTIC FLUID/ CESAREAN SECTION/ FEMALE/ HUMAN/ INJECTIONS/ LINCOMYCIN, administration & dosage/ LINCOMYCIN, adverse effects/ LINCOMYCI blood/ *LINCOMYCIN, metabolism/ LINCOMYCIN, pharmacodynamics/ *MATERNAL-FETAL EXCHANGE/ NEUROMUSCULAR DEPOLARIZING AGENT PLACENTA, metabolism/ *PREGNANCY/ TIME FACTORS/ TWINS/ UMBILICAL CO

953. **Dumas JC, Garigue J, Roux G:** Variation du métabolisme hydrique de rats en diabéte insipide l'effet du clofibrate, associé ou non á l'A
C R Soc Biol (Paris) 166:460-4, 9 Nov 72 (
ANIMAL EXPERIMENTS/ *CLOFIBRATE, pharmacodynamics/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ DO DRUG SYNERGISM/ RATS/ *VASOPRESSI pharmacodynamics/ *WATER-ELECTROLYT BALANCE, drug effects

954. **Duncan H, Hanson CA, Curtiss A:** The different eff of soluble and crystalline hydrocortisone on b
Calcif Tissue Res 12:159-68, 9 May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, radiography/ *BONE DEVELOPMENT, drug effects/ BONE RESORPTION, drug effects/ CRYSTALLIZATION/ *DOSAGE FORMS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMUR/ HYDROCORTISONE, administratio dosage/ HYDROCORTISONE, blood/ *HYDROCORTISONE, pharmacodynamics/ MALE/ MICROSCOPY, FLUORESCENCE/ OSTEOPOROSIS, chemically induced/ RABBITS/ RIBS/ SOLUTIONS/ TETRACYCLINE/ TIME FACTORS

955. **Dunlap JL, Gerall AA, McLean LD:** Enhanceme female receptivity in neonatally castrated male prepuberal ovarian transplants.
Physiol Behav 10:701-5, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BENZOATES/ BODY WEIGH *CASTRATION/ ESTRADIOL, pharmacodynamics/ MALE/ OVARY, secret *OVARY, transplantation/ PROGESTERONE pharmacodynamics/ PUBERTY/ RATS/ *S BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ TRANSPLANTATI HOMOLOGOUS

956. **Dunn EL, Nishiyama RH, Thompson NW:** Medu carcinoma of the thyroid gland.
Surgery 73:848-58, Jun 73
*ADENOMA, familial & genetic/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ AG FACTORS/ AGED/ *CARCINOMA, familial genetic/ CHILD/ FEMALE/ GANGLIONEUROMA, complications/ GOIT complications/ HUMAN/ HYPERPARATHYROIDISM, complications/

MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, familial & genetic/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, surgery/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ TIME FACTORS

7. **Dunn HK, King R, Andrade JD Jr, et al:** Polyester textile bioadhesion to muscle and bone.
J Biomed Mater Res 7:109-35, 1973
ADHESIVENESS/ BIOPHYSICS/ BONE AND BONES, cytology/ *BONE AND BONES, surgery/ FEMUR, surgery/ FINGER INJURIES, surgery/ FOREIGN BODY REACTION/ HUMAN/ MICROSCOPY, ELECTRON, SCANNING/ MUSCLES, cytology/ *MUSCLES, surgery/ *POLYETHYLENE TEREPHTHALATE/ *PROSTHESIS/ STRESS, MECHANICAL/ SURFACE PROPERTIES/ TENDON INJURIES, surgery/ TENDONS, PARA-ARTICULAR, cytology/ *TENDONS, PARA-ARTICULAR, surgery/ WOUND HEALING

. **Dunn JT:** The effects of thyroid hormone on protein synthesis in the central nervous system of developing mammals. Adv Exp Med Biol 30:367-83, 1972
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBON ISOTOPES/ CELL FRACTIONATION/ CELL MEMBRANE, metabolism/ DNA, metabolism/ HYPOTHYROIDISM, metabolism/ MITOCHONDRIA, metabolism/ MYELIN SHEATH, metabolism/ *NERVE TISSUE PROTEINS, biosynthesis/ PYRIMIDINES, metabolism/ RATS/ RIBOSOMES, metabolism/ RNA, biosynthesis/ RNA, TRANSFER, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ *THYROXINE, pharmacodynamics

Dunn JT, Ray SC: Changes in iodine metabolism and thyroglobulin structure in metastatic follicular carcinoma of the thyroid with hyperthyroidism.
J Clin Endocrinol Metab 36:1088-96, Jun 73
*ADENOCARCINOMA, metabolism/ AMINO ACIDS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HALF-LIFE/ HUMAN/ *HYPERTHYROIDISM, metabolism/ *IODINE, metabolism/ IODINE ISOTOPES/ IODOPROTEINS, metabolism/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROTEIN BINDING/ SERUM ALBUMIN, metabolism/ THYROGLOBULIN, analysis/ *THYROID NEOPLASMS, metabolism/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

Dupuis Y, Bertin R, Portet R, et al: Action comparée de la vitamine D et du lactose sur la résorption osseuse consécutive à l'adaptation au froid. Influence de la durée d'adaptation.
J Physiol (Paris) 65:Suppl 3:396A, 1972 **(Fre)**
ADAPTATION, PHYSIOLOGICAL/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, metabolism/ *COLD/ DIET/ *ERGOCALCIFEROL, pharmacodynamics/ *LACTOSE, pharmacodynamics/ RATS

Dupuis Y, Digaud A, Gambier J, et al: Quelques effets, chez le rat, du traitement par la vitamine D et par le lactase d'une carence chroniques en facteurs d'utilisation du calcium.
Pathol Biol (Paris) 21:397-403, Apr 73 **(Fre)**
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, urine/ *CALCIUM METABOLISM DISORDERS, drug therapy/ CITRATES, blood/ CITRATES, urine/ ENGLISH ABSTRACT/ HYDROXYPROLINE, urine/ *LACTOSE, therapeutic use/ RATS/ STRONTIUM, metabolism/ STRONTIUM, urine/ STRONTIUM ISOTOPES/ *VITAMIN D, therapeutic use

962. **Durakovic AB, Hollins JG, Storr MC:** The influence of age and sex on the metabolism of americium by rats.
Health Phys 24:541-6, May 73
AGE FACTORS/ *AMERICIUM, metabolism/ AMERICIUM, urine/ ANIMAL EXPERIMENTS/ BODY BURDEN/ *BONE AND BONES, metabolism/ FECES, metabolism/ FEMALE/ FEMUR, metabolism/ *KIDNEY, metabolism/ *LIVER, metabolism/ MALE/ RATS/ SEX FACTORS

963. **Durán S, Marahôn A, Gómez J, et al:** Modificaciones experimentadas en el comportamiento gluco-lipídico y de la hormona de crecimiento tras la infusión de arginina en la obesidad humana.
Rev Clin Esp 129:129-34, 30 Apr 73 **(Spa)**
ADOLESCENCE/ ADULT/ *ARGININE, diagnostic use/ *BLOOD SUGAR/ ENGLISH ABSTRACT/ HUMAN/ INSULIN, blood/ MIDDLE AGE/ OBESITY, blood/ *OBESITY, physiopathology/ *PITUITARY GLAND, physiopathology/ *SOMATOTROPIN, secretion/ TIME FACTORS/ TRIGLYCERIDES, blood

964. **Durán S, Marañón A, Gómez J, et al:** Respuesta endocrino-metabólica a la hipoglucemia postinsulínica en pacientes obesos.
Rev Clin Esp 129:27-32, 1 Apr 73 **(Spa)**
ADOLESCENCE/ ADULT/ AGED/ *BLOOD SUGAR/ ENGLISH ABSTRACT/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, diagnostic use/ MIDDLE AGE/ *OBESITY/ OBESITY, physiopathology/ *PITUITARY GLAND, physiopathology/ *SOMATOTROPIN, secretion/ *TRIGLYCERIDES, blood

965. **Durliat M, Vendrely C:** Etude autoradiographique de l'action des androgènes sur la synthèse de l'ARN dans les tissus du tractus génital mâle de la souris.
C R Acad Sci [D] (Paris) 676:789-92, 29 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ CYTIDINE/ EPIDIDYMIS, drug effects/ *GENITALIA, MALE, drug effects/ IN VITRO/ MALE/ MICE/ PROPIONATES/ PROSTATE, drug effects/ *RNA, biosynthesis/ SEMINAL VESICLES, drug effects/ *TESTOSTERONE, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects/ TRITIUM/ VAS DEFERENS, drug effects

966. **Dushkin VN:** Soderjhanie summarnykh 11-oksiketosteroidov v krovi u deteĭ rannego vozrasta pri koli-infektsii, oslozhnennoĭ pnevmonieĭ.
Pediatriia 52:79-80, Jan 73 **(Rus)**
AGE FACTORS/ CHILD, PRESCHOOL/ *ESCHERICHIA COLI INFECTIONS, blood/ ESCHERICHIA COLI INFECTIONS, complications/ HUMAN/ INFANT/ KETOSTEROIDS, blood/ *PNEUMONIA, blood/ PNEUMONIA, complications

967. **Dussault JH, Olivier GC:** Fonction thyroïdienne au cours de l'évolution d'un goitre à l'iode.
Union Med Can 102:586-90, Mar 73 **(Fre)**
AGED/ ENGLISH ABSTRACT/ FEMALE/ GOITER, chemically induced/ GOITER, complications/ *GOITER, physiopathology/ HOARSENESS, etiology/ HUMAN/ HYPOTHYROIDISM, complications/ *IODINE, adverse effects/ IODINE, blood/ IODINE, urine/ LEG/ MEMORY DISORDERS, etiology/ MUSCLE CRAMP, etiology/ POTASSIUM IODIDE, therapeutic use/ SKIN MANIFESTATIONS/ *THYROID GLAND, physiopathology

968. **Dustan HP, Tarazi RC, Bravo EL, et al:** Plasma and extracellular fluid volumes in hypertension.
Circ Res 32:Suppl 1:73-83, 5 May 73
ALDOSTERONE, urine/ BLOOD PRESSURE/ DIURETICS, therapeutic use/ *EXTRACELLULAR SPACE/ HUMAN/ HYPERALDOSTERONISM, physiopathology/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/

LIBRARY U. OF L. URBANA-CHAMPAIGN

HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, physiopathology/ KIDNEY DISEASES, physiopathology/ PHEOCHROMOCYTOMA, physiopathology/ *PLASMA VOLUME/ POTASSIUM, blood/ RENAL ARTERY OBSTRUCTION, physiopathology/ RENIN, blood/ SERUM ALBUMIN, RADIO-IODINATED/ SODIUM, blood/ SODIUM CHLORIDE, pharmacodynamics/ SODIUM ISOTOPES/ VASCULAR RESISTANCE

969. **DuToit MM:** Stromal herpes, I.D.U. and steroids.
Can J Ophthalmol 8:63-7, Jan 73
ADULT/ ATROPINE, therapeutic use/ COMMON COLD, complications/ *DEOXYURIDINE, therapeutic use/ EPINEPHRINE, therapeutic use/ GLAUCOMA, etiology/ HUMAN/ IDOXURIDINE, administration & dosage/ *IDOXURIDINE, therapeutic use/ *KERATITIS, DENDRITIC, drug therapy/ MALE/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use/ RECURRENCE/ UVEITIS, etiology/ VISUAL ACUITY

970. **Duursma SA, Mees EJ:** Renal osteodystrophy and its treatment. Neth J Med 16:101-7, 1973
ACID-BASE EQUILIBRIUM/ BONE DISEASES, etiology/ CALCINOSIS, etiology/ CALCIUM, blood/ HUMAN/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ RENAL OSTEODYSTROPHY, blood/ *RENAL OSTEODYSTROPHY, drug therapy/ UREMIA, complications/ *VITAMIN D, therapeutic use

971. **Dyball RE:** Single unit activity in the supraoptic nucleus of Brattleboro rats.
J Physiol (Lond) 231:39P-40P, May 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS/ ELECTRIC STIMULATION/ HETEROZYGOTE/ HOMOZYGOTE/ *HYPOTHALAMUS, physiology/ NEURAL CONDUCTION/ NEURONS, physiology/ RATS/ VASOPRESSIN

972. **Dyer RG, Dyball RE, Morris JF:** The effect of hypothalamic deafferentation upon the ultrastructure and hormone content of the paraventricular nucleus.
J Endocrinol 57:509-16, Jun 73
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ LACTATION/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NEURONS, AFFERENT, physiology/ RATS/ RATS, INBRED STRAINS/ REFLEX/ THIOGLYCOLATES, pharmacodynamics/ VASOPRESSIN, analysis

973. **Dyson JL, Kohler HG:** Anencephaly and ovulation stimulation. Lancet 1:1256-7, 2 Jun 73
ADULT/ *ANENCEPHALUS, chemically induced/ *CLOMIPHENE, adverse effects/ CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ *OVULATION, drug effects/ PREGNANCY

E

974. **Eakins KE:** Prostaglandin research.
Invest Ophthalmol 12:470, Jun 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GAS/ *PROSTAGLANDINS, analysis/ RESEARCH

975. **Eastoe JE, Martens P, Thomas NR:** The amino-acid composition of human hard tissue collagens in osteogenesis imperfecta and dentinogenesis imperfecta. Calcif Tissue Res 12:91-100, 9 May 73
ALANINE, analysis/ *AMINO ACIDS, analysis/ BONE AND BONES, analysis/ CHILD/ *COLLAGEN, analysis/ DENTIN, analysis/ *DENTINOGENESIS IMPERFECTA, metabolism/ GLYCINE, analysis/ HUMAN/ HYDROXYLYSINE, analysis/ HYDROXYPROLINE, analysis/ INFANT, NEWBORN/ MALE/ MOLAR/ *OSTEOGENESIS IMPERFECTA, metabolism/ PROLINE, analysis/ SKULL

976. **Eaton GG, Goy RW, Phoenix CH:** Effects of testosterone treatment in adulthood on sexu behaviour of female pseudohermaphrodite rhes monkeys. Nature [New Biol] 242:119-20, 28 Mar
AGE FACTORS/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CASTRATION/ COITUS, drug effects/ EJACULATION, drug effects/ FEMALE/ GROOMING, drug effects/ MACACA/ MONKEYS/ *PSEUDOHERMAPHRODITISM/ PSEUDOHERMAPHRODITISM, chemically induced/ *SEX BEHAVIOR, ANIMAL, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics TIME FACTORS

977. **Ebadi MS:** Firefly luminescence in the assay of cyc AMP. Adv Cyclic Nucleotide Res 2:89-109, 1
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, enzymology/ BRA CHEMISTRY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, I EXCHANGE/ KINETICS/ LUCIFERASE/ LUCIFERIN/ LUMINESCENCE/ MALE/ ORGAN SPECIFICITY/ PHOSPHODIESTERASES/ PHOSPHODIESTERASES, isolation & purification/ PHOSPHOTRANSFERASES/ PYRUVATE KINASE/ RATS/ SUBCELLULA FRACTIONS, analysis/ SWINE

978. **Ebel A, Mack G, Stefanovic V, et al:** Activity of cho acetyltransferase and acetylcholinesterase in amygdala of spontaneous mouse-killer rats and in after olfactory lobe removal.
Brain Res 57:248-51, 16 Jul 73
ACETYLCHOLINE, metabolism/ *ACETYLCHOLINESTERASE, metabolism/ *ACETYLTRANSFERASES, metabolism/ *AGGRESSION/ *AMYGDALOID BODY, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ OLFACTORY BULB, physiology/ RATS

979. **Eberle P, Ammermann M, Wolf H:** Zur Variabilität weiblichen Turner-Syndroms. Chromosomenanal und klinische Befunde bei 17 typischen u atypischen Fällen.
Arch Gynaekol 213:202-55, 1973
ADOLESCENCE/ ADULT/ CELL NUCLEUS analysis/ CELLS, CULTURED/ CHILD/ CH PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ LYMPHOCYTES/ MOSAICISM/ MOUTH MUCOSA/ PHENOTYPE/ SEX CHROMOSOMES/ TROPHOBLAST/ *TURNER'S SYNDROME, diagnosis

980. **Ecarot B, Cedergren RJ:** Séparation des nucléosides-3'-monophosphates sur couche m d'échangeur d'ions.
J Chromatogr 79:357-9, 16 May 73
ADENOSINE MONOPHOSPHATE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CYTOSINE NUCLEOTIDES, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPH analysis/ HYDROLYSIS/ *RIBONUCLEOTI analysis/ RNA, TRANSFER/ URACIL NUCLEOTIDES

981. **Eckel H:** Welche Diagnose würden Sie ste
Med Klin 68:685-6, May 73
ADOLESCENCE/ ATELECTASIS, radiograp *AZYGOS VEIN, abnormalities/ CYSTS, radiography/ DIAGNOSIS, DIFFERENTIAL GOITER, SUBSTERNAL, radiography/ *HEMOPTYSIS, radiography/ HERNIA, radiography/ HUMAN/ *LUNG, abnormalit

LUNG DISEASES, radiography/ MALE/ MEDIASTINAL DISEASES, radiography/ TUBERCULOSIS, PULMONARY, radiography

Eclancher F, Karli P: Lésions combinées de l'"hypothalamus ventro-médian et du thalamus dorso-médian: effets sur le comportement social interspécifique, la réactivité émotionnelle et le comportement alimentaire du rat.
C R Soc Biol (Paris) 166:439-44, 9 Nov 72 (Fre)
AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ *EMOTIONS/ *FEEDING BEHAVIOR/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, surgery/ MALE/ MICE/ RATS/ SOCIAL BEHAVIOR/ *THALAMUS, physiology/ THALAMUS, surgery

Eddleman EE Jr, Frommeyer WB Jr, Lyle DP, et al: Critical analysis of clinical factors in estimating severity of aortic valve disease.
Am J Cardiol 31:687-95, Jun 73
AGED/ AORTIC VALVE, metabolism/ *AORTIC VALVE INSUFFICIENCY, diagnosis/ AORTIC VALVE INSUFFICIENCY, metabolism/ *AORTIC VALVE STENOSIS, diagnosis/ AORTIC VALVE STENOSIS, metabolism/ AORTIC VALVE STENOSIS, physiopathology/ CALCIUM, metabolism/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART, physiopathology/ HEART CATHETERIZATION/ HEART ENLARGEMENT, complications/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ KINETOCARDIOGRAPHY/ MALE/ MIDDLE AGE/ MODELS, BIOLOGICAL/ STATISTICS/ SYNCOPE, etiology

Edeiken J, Trought WS: Skeletal maturation.
CRC Crit Rev Radiol Sci 3:35-43, Jan 72
ADOLESCENCE/ ADULT/ BONE AND BONES, radiography/ *BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOOT, radiography/ HAND, radiography/ HUMAN/ INFANT/ INFANT, NEWBORN/ KNEE, radiography/ MALE/ WRIST, radiography

Edge MD, Hodgson A, Jones AS, et al: Synthetic analogues of polynucleotides. IX. Synthesis of 3'-O-carboxymethyl-2'-deoxyribonucleosides and their use in the synthesis of an analogue of 2'-deoxyadenylyl-(3' leads to 5'-)-thymidine 3'-phosphate. J Chem Soc [Perkin I] 3:290-4, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, chem synthesis/ *DEOXYRIBONUCLEOSIDES, chem synthesis/ METHODS/ METHYLATION/ *POLYNUCLEOTIDES, chem synthesis/ *THYMINE NUCLEOTIDES, chem synthesis

Edmonds M, Lamki L, Killinger DW, et al: Autoimmune thyroiditis, adrenalitis and oophoritis.
Am J Med 54:782-7, Jun 73
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, drug therapy/ ADDISON'S DISEASE, etiology/ ADDISON'S DISEASE, immunology/ ADOLESCENCE/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ CELL MIGRATION INHIBITION/ FEMALE/ HUMAN/ IMMUNITY, CELLULAR/ *OOPHORITIS, complications/ OOPHORITIS, drug therapy/ OOPHORITIS, etiology/ OOPHORITIS, immunology/ OVARY, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ THYROID GLAND FUNCTION TESTS/ *THYROIDITIS, LYMPHOMATOUS, complications/ THYROIDITIS, LYMPHOMATOUS, drug therapy/ THYROIDITIS, LYMPHOMATOUS, etiology/ THYROIDITIS, LYMPHOMATOUS, immunology

Edmonds MJ: CT 1341 and cat anaesthesia.
Vet Rec 92:243-4, 3 Mar 73
ANESTHESIA, GENERAL, adverse effects/ ANESTHESIA, GENERAL, veterinary/ *ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ *CATS/ FEMALE/ KETONES, adverse effects/ MYOCARDIAL INFARCT, chemically induced/ MYOCARDIAL INFARCT, veterinary/ *PREGNANES, adverse effects

988. Edwards IR, Smith AJ: Porcine calcitonin as a renal vasodilator in man.
Clin Endocrinol (Oxf) 1:337-44, Oct 72
ADULT/ ANIMAL EXPERIMENTS/ BICARBONATES, urine/ CHLORIDES, urine/ HUMAN/ INJECTIONS, INTRAVENOUS/ *KIDNEY, blood supply/ KIDNEY, physiology/ MALE/ NATRIURESIS/ POTASSIUM, urine/ SWINE/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, pharmacodynamics/ *VASODILATOR AGENTS, pharmacodynamics

989. Effer SB, Gupta K, Youngiai EV: Concentrations of human chorionic gonadotropin, progesterone, and unconjugated and total estriol in umbilical artery and vein plasma at term.
Am J Obstet Gynecol 116:643-7, 1 Jul 73
ADOLESCENCE/ ADULT/ APGAR SCORE/ BIRTH WEIGHT/ *ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ FEMALE/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INFANT, NEWBORN/ MALE/ ORGAN WEIGHT/ PLACENTA, physiology/ PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *UMBILICAL ARTERIES/ *UMBILICAL CORD/ *UMBILICAL VEINS

990. Egle JL Jr, Hudgins PM, Lai FM: Cardiovascular effects of intravenous acetaldehyde and propionaldehyde in the anesthetized rat.
Toxicol Appl Pharmacol 24:636-44, Apr 73
ACETALDEHYDE, administration & dosage/ *ACETALDEHYDE, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDEHYDES, administration & dosage/ *ALDEHYDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CATHETERIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HEART RATE, drug effects/ MALE/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ VAGOTOMY/ VAGUS NERVE, physiology

991. Eguchi Y, Hirai O, Morikawa Y, et al: Critical time in the hypothalamic control of the pituitary-adrenal system in fetal rats: observations in fetuses subjected to hypervitaminosis A and hypothalamic destruction.
Endocrinology 93:1-11, Jul 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BRAIN, pathology/ ELECTROCOAGULATION/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, physiology/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, pathology/ *PITUITARY GLAND, physiology/ PREGNANCY/ RATS/ TIME FACTORS/ VITAMIN A, pharmacodynamics

992. Eibergen RD, Caggiula AR: Ventral midbrain involvement in copulatory behavior of the male rat.
Physiol Behav 10:435-41, Mar 73
ANIMAL EXPERIMENTS/ COITUS/ EJACULATION/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, physiology/ RATS/ *SEX BEHAVIOR, ANIMAL/ STEREOTAXIC TECHNICS/ TEGMENTUM MESENCEPHALI, physiology

993. Eichelman BS Jr, Thoa NB: The aggressive monoamines.
Biol Psychiatry 6:143-64, Apr 73
*AGGRESSION/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ APPETITIVE BEHAVIOR/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ DOPA, pharmacodynamics/ DOPAMINE, metabolism/ ELECTROSHOCK/

LIBRARY U. OF I., URBANA-CHAMPAIGN

FEAR/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ LITHIUM, pharmacodynamics/ MALE/ MODELS, BIOLOGICAL/ NOREPINEPHRINE, metabolism/ PSYCHOPHARMACOLOGY/ RATS/ RUBIDIUM, pharmacodynamics

994. **Eichner E:** Oral contraception.
Med Trial Tech Q 19:361-6, Spring 73
CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, classification/ CONTRACEPTIVES, POSTCOITAL/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS

995. **Eide A, Meligren SI:** Effects of 17 beta-estradiol on the distribution and activity of some oxydative enzymes of uterine and cervical epithelium in neonatal mice.
Histochemie 33:159-68, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CERVIX UTERI, drug effects/ CERVIX UTERI, enzymology/ EPITHELIUM, drug effects/ EPITHELIUM, enzymology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ MICE/ NADH, NADPH OXIDOREDUCTASES, metabolism/ SUCCINATE DEHYDROGENASE, metabolism/ *UTERUS, drug effects/ UTERUS, enzymology

996. **Einarsson K, Gustafsson JA, Stenberg A:** Neonatal imprinting of liver microsomal hydroxylation and reduction of steroids.
J Biol Chem 248:4987-97, 25 Jul 73
AGING/ *ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARBON ISOTOPES/ *CASTRATION/ *CHOLESTENES, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HYDROXYSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ *MICROSOMES, LIVER, metabolism/ OXIDOREDUCTASES, metabolism/ *PROGESTERONE, metabolism/ PUBERTY/ RATS/ SEX FACTORS/ *STEROID HYDROXYLASES, metabolism/ TESTOSTERONE, pharmacodynamics/ TRITIUM

997. **Einbrodt HJ, Schiereck FW, Kinny H:** Uber die Ablagerung von Blei in den Verkalkungen der menschlichen Placenta.
Arch Gynaekol 213:303-6, 1973 (Ger)
*CALCINOSIS, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEAD, analysis/ PLACENTA, analysis/ *PLACENTA DISORDERS, pathology/ PREGNANCY/ TIME FACTORS/ URBAN POPULATION

998. **Ekpechi OL:** Goitrogenic activity of Okoho (a Nigerian edible plant). Endocrinol Exp (Bratisl) 7:91-8, 1973
ANIMAL EXPERIMENTS/ CONDIMENTS/ *CONDIMENTS, adverse effects/ *GOITER, ENDEMIC, chemically induced/ IODINE, metabolism/ NIGERIA/ ORGAN WEIGHT/ *PLANTS, EDIBLE/ RATS/ THYROID GLAND, drug effects

999. **Elbrink J, Bihler I:** The effect of stimulating frequency and of quabain on the intracellular penetration of L-arabinose in rabbit ventricular muscle, in vitro.
Life Sci [II] 12:79-87, 22 Jan 73
ANIMAL EXPERIMENTS/ ARABINOSE, analysis/ *ARABINOSE, metabolism/ AUTOANALYSIS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ FEMALE/ *HEART, drug effects/ HEART RATE, drug effects/ INULIN, analysis/ MALE/ MUSCLE CONTRACTION/ *MYOCARDIUM, metabolism/ *OUABAIN, pharmacodynamics/ PERFUSION/ RABBITS/ SPECTROPHOTOMETRY/ TIME FACTORS

1000. **Elders MJ, Garland JT, Daughaday WA, et al:** Laron dwarfism: studies on the nature of the defe
J Pediatr 83:253-63, Aug 73
ARGININE, diagnostic use/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ BODY HEIGHT/ BODY WEIGHT/ CALCIUM, blood/ CHLORIDES, blood/ CREATININE, blood/ DWARFISM, drug therapy/ *DWARFISM, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ IMMUNE SERUMS/ INSULIN, bloo MALE/ PHOSPHORUS, blood/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ SODIUM, blood/ SOMATOMEDIN, blood/ *SOMATOMEDIN, metabolism/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism/ SOMATOTROPIN, therapeutic u

1001. **Eleftheriou BE, Christenson CM, Zarrow MX:** T influence of exteroceptive stimuli and pheromo facilitation of ovulation in different strains of mi
J Endocrinol 57:363-70, Jun 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CASTRATION/ DEXAMETHASONE, pharmacodynamics/ ELECTROSHOCK/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED DB/ *MICE, INBRED STRAINS, physiology/ *OVULATION/ *PHEROMONES/ SEX BEHAVIOR, ANIMAL/ TESTOSTERONE, pharmacodynamics

1002. **Elewaut A:** Determination of the binding of thyrox to plasma proteins by competitive protein-bind analysis. Clin Chim Acta 45:37-46, 19 Apr
BARBITURATES/ BINDING, COMPETITIVE/ BINDING SITES/ BUFFERS/ DIALYSIS/ DIPHENYLHYDANTOIN, blood/ EVALUATI STUDIES/ FEMALE/ FREEZING/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ MATHEMATICS/ PREGNANCY/ PROTEIN BINDING/ PROTEIN BINDING, drug effect SALICYLATES, pharmacodynamics/ SERUM ALBUMIN, metabolism/ *SERUM GLOBULI metabolism/ TEMPERATURE/ *THYROXINE-BINDING PROTEIN, metaboli

1003. **Elger W:** Physiology and pharmacology of fer reproduction under the aspect of fertility con
Ergeb Physiol 67:69-168, 1972 (344 ref.)
ABORTION, INDUCED/ CASTRATION/ CEL MEMBRANE/ CLOMIPHENE, pharmacodynamics/ *CONTRACEPTION/ CORPUS LUTEUM, physiology/ EMBRYO/ ESTROGENS, pharmacodynamics/ FEMALE/ FERTILIZATION/ GONADOTROPINS, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ INTRAUTERINE DEVICES/ MENSTRUATION/ NIDATION/ OVULATION OVULATION, drug effects/ OVUM/ PITUITARY GLAND, physiology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ *REPRODUCTION/ REVIEW/ SEX BEHAV SEX HORMONES, blood/ SEX HORMONES, physiology/ SPERM CAPACITATION/ SPERMATOZOA, physiology

1004. **Elias MF, Dupree M, Eleftheriou BE:** Difference spatial discrimination reversal learning between inbred mouse strains following specific amygd lesions. J Comp Physiol Psychol 83:149-56, Ap
*AMYGDALOID BODY, physiology/ *DISCRIMINATION LEARNING/ GENETICS BEHAVIORAL/ HABITUATION (PSYCHOPHYSIOLOGY)/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ *MICE, INBRED STRAINS/ *REVERSAL LEARNIN *SPACE PERCEPTION/ SPECIES SPECIFICITY/ STEREOTAXIC TECHNICS/ VISUAL PERCEPTION

1005. **Elkington JS, Blackshaw AW, Jong B de:** The effe hypophysectomy on testicular hydrolases, la dehydrogenase, and spermatogenesis in the
Aust J Biol Sci 26:491-503, Apr 73
ACID PHOSPHATASE, metabolism/ ANAL

OF VARIANCE/ ANIMAL EXPERIMENTS/ CATHEPSIN, metabolism/ GLUCURONIDASE, metabolism/ HISTOCYTOCHEMISTRY/ *HYDROLASES, metabolism/ HYPOPHYSECTOMY/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LYSOSOMES, enzymology/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ RATS/ SEMINAL VESICLES, anatomy & histology/ SERTOLI CELLS, enzymology/ *SPERMATOGENESIS/ SPERMATOZOA, enzymology/ TESTIS, anatomy & histology/ *TESTIS, enzymology

. **Ellegast HH:** Allgemeine Röntgenologie der Osteopathien. Radiologe 13:147-54, Apr 73 (Ger)
ADULT/ AGED/ BONE CYST, radiography/ BONE DISEASES, etiology/ *BONE DISEASES, radiography/ BONE RESORPTION, etiology/ BONE RESORPTION, radiography/ CALCIUM, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FRACTURES, SPONTANEOUS, radiography/ HUMAN/ HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ NUTRITION DISORDERS, complications/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOMALACIA, radiography/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ RENAL OSTEODYSTROPHY, radiography/ SCLERA, abnormalities/ SPINAL DISEASES, radiography

Elsair J, Poey J, Naceur J, et al: Effets de l'hormone de croissance, la noréthandrolone, la prolactine et de l'association de deux ou trois de ces substances sur le bilan d'azote du rat. Recherche d'un effet de sommation.
J Physiol (Paris) 65:Suppl 3:399A, 1972 (Fre)
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ *NITROGEN, metabolism/ *NORETHANDROLONE, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ RATS/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

Elstein M, Daunter B: Copper absorption from I.U.C.D.s. Br Med J 2:776, 30 Jun 73
ABSORPTION/ ADULT/ CERULOPLASMIN/ CONTRACEPTIVES, ORAL/ COPPER, blood/ *COPPER, metabolism/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES

Enerbäck L: Cytofluorometric demonstration of a catecholamine in rat mast cells after the administration of DOPA. Histochem J 5:131-42, Mar 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ DOPA, metabolism/ DOPAMINE, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUOROMETRY/ HISTOCYTOCHEMISTRY/ MALE/ *MAST CELLS, analysis/ MICROSCOPY, FLUORESCENCE/ PERITONEUM, cytology/ PROTEIN BINDING/ RATS/ SEROTONIN, analysis/ TIME FACTORS

Engel CR, Mukherjee D, Beaudoin GJ: Steroids and related products. 39. The functionalization of the 17-methyl group of 17 -methyl steroids. II. The synthesis of 12 ,17 1 -epoxy-17 -methylprogesterone and of 20-oxygenated 17 -hydroxymethyl steroids. Steroids 21:857-75, Jun 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ DEUTERIUM/ *ETHERS, CYCLIC, chem synthesis/ HYDROXYLATION/ KETOSTEROIDS, chem synthesis/ LACTONES/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ *PREGNENES, chem synthesis/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP

Engel W, Vogel W, Voiculescu I, et al: Cytogenetic and biochemical differences between Apodemus sylvaticus and Apodemus flavicollis, possibly responsible for the failure to interbreed. Comp Biochem Physiol [B] 44:1165-73, 15 Apr 73
BLOOD PROTEINS, analysis/ BREEDING/ *CYTOGENETICS/ ELECTROPHORESIS/ ENZYMES, analysis/ ENZYMES, blood/ *HYBRIDIZATION/ KARYOTYPING/ KIDNEY, enzymology/ LACTATE DEHYDROGENASE ISOENZYMES, blood/ LIVER, enzymology/ *MICE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ SPECIES SPECIFICITY/ TESTIS, enzymology

1012. **Engelsman E, Persijn JP, Korsten CB, et al:** Oestrogen receptor in human breast cancer tissue and response to endocrine therapy. Br Med J 2:750-2, 30 Jun 73
*BREAST NEOPLASMS, drug therapy/ CASTRATION/ *ESTROGENS/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ HYPERCALCEMIA, complications/ NANDROLONE, therapeutic use/ NAPHTHALENES, therapeutic use/ PHENOLS, therapeutic use/ PYRROLIDINES, therapeutic use/ *RECEPTORS, HORMONE

1013. **Englaro GC, Zecchin R:** La terapia radioisotopica degli ipertiroidismi.
Minerva Med 64:1347-56, 18 Apr 73 (Ita)
ADULT/ AGED/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ *GOITER, EXOPHTHALMIC, radiotherapy/ *GOITER, NODULAR, radiotherapy/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, administration & dosage/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ *RADIOISOTOPE TELETHERAPY

1014. **Ensor DM, Ball JN:** Prolactin and osmoregulation in fishes. Fed Proc 31:1615-23, Nov-Dec 72 (93 ref.)
ANIMAL EXPERIMENTS/ CORTICOTROPIN, physiology/ CYPRINIDAE/ EELS/ *FISHES, physiology/ GILLS, physiology/ HYPOPHYSECTOMY/ KIDNEY, physiology/ PITUITARY GLAND, physiology/ *PROLACTIN, physiology/ PROLACTIN, secretion/ REVIEW/ SEAWATER/ SKIN, physiology/ SODIUM, blood/ SODIUM, metabolism/ SPECIES SPECIFICITY/ *WATER-ELECTROLYTE BALANCE

1015. **Epstein FH, Maetz J, Renxis G de:** Active transport of chloride by the teleost gill: inhibition by thiocyanate. Am J Physiol 224:1295-9, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CHLORIDES, blood/ *CHLORIDES, metabolism/ *EELS, metabolism/ EXTRACELLULAR SPACE/ FRESH WATER/ *GILLS, drug effects/ GILLS, metabolism/ OSMOLAR CONCENTRATION/ SEAWATER/ SODIUM, blood/ SODIUM, metabolism/ *THIOCYANATES, pharmacodynamics

1016. **Eränkö O, Heath JW, Eränkö L:** Effect of hydrocortisone on the ultrastructure of the small, granule-containing cells in the superior cervical ganglion of the newborn rat.
Experientia 29:457-9, 15 Apr 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CERVICAL VERTEBRAE/ *GANGLIA, AUTONOMIC, cytology/ GANGLIA, AUTONOMIC, drug effects/ *HYDROCORTISONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ MICROTOMY/ RATS

1017. **Erickson BH, Martin PG:** Influence of age on the response of rat stem spermatogonia to -radiation. Biol Reprod 8:607-12, Jun 73
*AGE FACTORS/ ANIMAL EXPERIMENTS/ *DOSE-RESPONSE RELATIONSHIP, RADIATION/ MALE/ ORGAN WEIGHT/ *RADIATION EFFECTS/ RATS/ SEMINAL VESICLES, radiation effects/ *SPERMATOGENESIS, radiation effects/ SPERMATOZOA, radiation effects/ *TESTIS, radiation effects/ TIME FACTORS

1018. **Eriksson M, Catz CS, Yaffe SJ:** Drugs and pregnancy. Clin Obstet Gynecol 16:199-224, Mar 73 (20 ref.)
*ABNORMALITIES, DRUG-INDUCED, etiology/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANIMAL EXPERIMENTS/

LIBRARY U. OF I., URBANA-CHAMPAIGN

ANTICONVULSANTS, adverse effects/ ANTIDIABETICS, adverse effects/ ANTI-INFECTIVE AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ BLOOD PROTEINS, metabolism/ CYTOCHROME P-450, biosynthesis/ DIGITOXIN, adverse effects/ DIURETICS, adverse effects/ FEMALE/ FETUS, drug effects/ FETUS, metabolism/ GAMMA GLOBULIN, adverse effects/ GESTATIONAL AGE/ HORMONES, adverse effects/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IN VITRO/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE, drug effects/ NEUROMUSCULAR DEPOLARIZING AGENTS, therapeutic use/ PARASYMPATHOLYTICS, adverse effects/ PREGNANCY/ *PREGNANCY, drug effects/ PROTEIN BINDING/ RATS/ RECEPTORS, DRUG/ REVIEW/ THYROID ANTAGONISTS, adverse effects/ *TOXICOLOGY

1019. **Erle G, Federspil G, Casara D, et al:** Effects of L-triiodothyronine on insulin secretion in man. Horm Metab Res 5:230, May 73
*BLOOD SUGAR, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, pharmacodynamics

1020. **Ernst CB, Stanley JC, Marshall FF, et al:** Renal revascularization for arteriosclerotic renovascular hypertension: prognostic implications of focal renal arterial vs. overt generalized arteriosclerosis. Surgery 73:859-67, Jun 73
ADULT/ AGE FACTORS/ AGED/ ARTERIOSCLEROSIS, complications/ ARTERIOSCLEROSIS, mortality/ *ARTERIOSCLEROSIS, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, etiology/ HYPERTENSION, surgery/ *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ KIDNEY, blood supply/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ PROGNOSIS/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, mortality/ *RENAL ARTERY OBSTRUCTION, surgery/ RENIN, blood/ SEX FACTORS/ *VASCULAR SURGERY

1021. **Esch I, Placheta P:** Behandlung essentieller Hypertoniker mit Spirolakton unter Berücksichtigung der Plasma-Renin-Aktivität. Wien Klin Wochenschr 85:413-7, 8 Jun 73 (Ger)
BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ GASTROINTESTINAL DISEASES, chemically induced/ HUMAN/ HYPERKALEMIA, chemically induced/ *HYPERTENSION, drug therapy/ IMPOTENCE, chemically induced/ *RENIN, blood/ SPIRONOLACTONE, adverse effects/ SPIRONOLACTONE, pharmacodynamics/ *SPIRONOLACTONE, therapeutic use

1022. **Escousse A, Joffrain C, Truchot R:** Rôle de la fonction phénol dans l'activité métabolique des catécholamines sur le tissu adipeux blanc. Mise en évidence après dissociation par thyroïdectomie entre l'activité lipolytique et l'effet calorigénique. J Physiol (Paris) 65:Suppl 3:402A, 1972 (Fre)
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, metabolism/ IN VITRO/ LIPIDS, metabolism/ *OXEDRINE, metabolism/ OXYGEN CONSUMPTION/ *PHENYLEPHRINE, metabolism/ RATS/ THYROIDECTOMY

1023. **Esler MD, Nestel PJ:** High catecholamine essential hypertension: clinical and physiological characteristics. Aust NZ J Med 3:117-23, Apr 73
ADULT/ BLOOD CIRCULATION/ BLOOD PRESSURE/ *EPINEPHRINE, urine/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, physiopathology/ *HYPERTENSION, urine/ MALE/ *NOREPINEPHRINE, urine/ PERSONALITY INVENTORY/ PLASMA VOLUME/ POSTURE/ RENIN, blood/ STRESS, PSYCHOLOGICAL/ SYMPATHETIC NERVOUS SYSTEM, physiopathology

1024. **Esler MD, Nestel PJ:** Evaluation of practolol hypertension. Effects on sympathetic nervous syst and renin responsiveness. Br Heart J 35:469-74, Ma
ACETANILIDE, administration & dosage/ ACETANILIDE, therapeutic use/ ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ AMINO ALCOHOLS, administration & dosag *AMINO ALCOHOLS, therapeutic use/ BLO PRESSURE, drug effects/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ HYPERTENSION, urine/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ PLACEBOS/ POSTURE/ PULSE, dru effects/ *RENIN, blood/ *SYMPATHETIC NERVOUS SYSTEM, drug effects

1025. **Esterhay RJ Jr, Shapiro HM, Sutherland JC, et** Serum alpha fetoprotein concentration and tu growth dissociation in a patient with ovari teratocarcinoma. Cancer 31:835-9, Apr 73
ADOLESCENCE/ *ALPHA GLOBULIN/ FEMALE/ *FETAL GLOBULINS/ GEL DIFFUSION TESTS/ HUMAN/ *OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASI pathology/ RADIOIMMUNOASSAY/ *TERATOID TUMOR, blood/ TERATOID TUMOR, pathology

1026. **el-Etreby MF, Tüshaus U:** Differentialfärbung Darstellung von Wachstumshormon und Prola produzierenden Zellen des Hypophysenvorderlappens. Histochemie 33:121-7, 1973
DOGS/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HUMAN/ LACTATION/ MALE/ METHODS/ MONKEYS/ *PITUITAI GLAND, cytology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, physiolo PREGNANCY/ *PROLACTIN, biosynthesis/ RABBITS/ RATS/ *SOMATOTROPIN, biosynthesis/ STAINS AND STAINING

1027. **Evans J, Renton JP:** A case of azoospermia previously fertile dog with subsequent reco Vet Rec 92:198-9, 24 Feb 73
ANIMAL EXPERIMENTS/ *DOG DISEASES DOG DISEASES, therapy/ DOGS/ HEART SEPTAL DEFECTS, VENTRICULAR, veterinary/ INSEMINATION, ARTIFICIAL, veterinary/ MALE/ REST/ SEMEN, analys SPERMATOGENESIS/ STERILITY, MALE, therapy/ *STERILITY, MALE, veterinary/ TESTICULAR DISEASES, veterinary

1028. **Evans JA, Morrison IM, Saunders KB:** Double trial of prednisone, in low dose, in patients chronic airways obstruction. Clin Sci 44:28P, J
*AIRWAY OBSTRUCTION, drug therapy/ CHRONIC DISEASE/ CLINICAL RESEARC HUMAN/ MALE/ PLACEBOS/ *PREDNISO administration & dosage/ PREDNISONE, therapeutic use

1029. **(Everett JW):** Citation for the Koch Award o Endocrine Society for 1973 to C.H. Sawyer, Ph.I J.W. Everett, Ph.D.
J Clin Endocrinol Metab 37:165-7, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ UNITED STATES

1030. **(Everett JW):** Citation for the Koch Award o Endocrine Society for 1973 to C.H. Sawyer, Ph.I J.W. Everett, Ph.D. Endocrinology 93:262-4,
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ *SOCIE SCIENTIFIC/ UNITED STATES

1031. **Eyre DR, Glimcher MJ:** Analysis of a cross peptide from calf bone collagen: evidence hydroxylysyl glycoside participates in the cro Biochem Biophys Res Commun 52:663-71, 15 I

AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ BOROHYDRIDES/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CLOSTRIDIOPEPTIDASE A/ CLOSTRIDIUM, enzymology/ *COLLAGEN, analysis/ FETUS, analysis/ GEL FILTRATION/ GLYCOSIDES, analysis/ HYDROLYSIS/ HYDROXYLYSINE, analysis/ MODELS, CHEMICAL/ OXIDATION-REDUCTION/ *PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PERIODIC ACIDS

F

aber LE, Sandmann ML, Stavely HE: Progesterone and corticosterone binding in rabbit uterine cytosols. Endocrinology 93:74-80, Jul 73
ANIMAL EXPERIMENTS/ BLOOD/ BLOOD PROTEINS/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ *CORTICOSTERONE, metabolism/ *CYTOSOL, metabolism/ DIALYSIS/ FEMALE/ METHODS/ OVARY, physiology/ PERFUSION/ *PROGESTERONE, metabolism/ *PROTEIN BINDING/ RABBITS/ RECEPTORS, HORMONE/ TRITIUM/ UTERUS, cytology/ UTERUS, metabolism

abre LF Jr, Farmer RW, Roach MK, et al: Biochemical and metabolic aspects of alcoholism. Ann NY Acad Sci 215:346-55, 30 Apr 73
ADRENAL GLANDS, drug effects/ AGE FACTORS/ *ALCOHOL, ETHYL, pharmacodynamics/ *ALCOHOLISM, metabolism/ ALDOSTERONE, metabolism/ AMINO ACIDS, analysis/ *AMINO ACIDS, metabolism/ ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *BRAIN, metabolism/ CARBON ISOTOPES/ FEMALE/ *GLUCOSE, metabolism/ HAMSTERS/ INSULIN, secretion/ KIDNEY, analysis/ MALE/ MATERNAL-FETAL EXCHANGE/ MICE/ MONKEYS/ PANCREAS, drug effects/ PREGNANCY

brizi GC: Su di un caso di fibrosi retroperitoneale imulante un diabete insipido. linerva Urol 25:33-9, Jan-Feb 73 (Ita)
*DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ POLYURIA, etiology/ *RETROPERITONEAL FIBROSIS, diagnosis/ RETROPERITONEAL FIBROSIS, radiography/ UROGRAPHY

glia G, Beck-Peccoz P, Ferrari C, et al: Plasma rowth hormone response to thyrotropin-releasing ormone in patients with active acromegaly. Clin Endocrinol Metab 36:1259-62, Jun 73
*ACROMEGALY, blood/ ADULT/ ARGININE, pharmacodynamics/ FEMALE/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

glia G, Beck-Pecoz P, Ambrosi B, et al: The mpty-sella syndrome. Lancet 2:149, 21 Jul 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, physiopathology/ HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONES, secretion/ *SELLA TURCICA/ SOMATOTROPIN, secretion/ SYNDROME/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS

my OG, Fahmy MJ: Genetic properties of bstituted derivatives of methyl-4-aminoazobenzene in relation to azo-dye rcinogenesis. Int J Cancer 10:194-206, 15 Jul 72
AMINO ACID ACTIVATION/ ANIMAL EXPERIMENTS/ *AZO COMPOUNDS, pharmacodynamics/ BINDING SITES/ *CARCINOGENS, pharmacodynamics/ CHROMOSOME ABERRATIONS/ CROSSING OVER (GENETICS)/ *DIMETHYLAMINOAZOBENZENE, pharmacodynamics/ DROSOPHILA MELANOGASTER/ FEMALE/ GENETIC CODE/ GERM CELLS/ MALE/ METHODS/ *MUTAGENS, pharmacodynamics/ NUCLEIC ACID HYBRIDIZATION/ PHENOTYPE/ RNA/ *SEX CHROMOSOMES, drug effects/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ TESTIS, cytology

1038. **Fairburn B**: Intracranial venous thrombosis complicating oral contraception: treatment by anticoagulant drugs. Br Med J 2:647, 16 Jun 73
ADULT/ CEREBRAL ANGIOGRAPHY/ *CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CEREBRAL EMBOLISM AND THROMBOSIS, diagnosis/ CEREBRAL EMBOLISM AND THROMBOSIS, drug therapy/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *HEPARIN, therapeutic use/ HUMAN/ *NORETHINDRONE, adverse effects/ *WARFARIN, therapeutic use

1039. **Fairney A, Jackson D, Clayton BE**: Measurement of serum parathyroid hormone, with particular reference to some infants with hypocalcaemia. Arch Dis Child 48:419-24, Jun 73
ADULT/ CALCIUM, analysis/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPOCALCEMIA, blood/ INFANT/ INFANT FOOD, analysis/ INFANT, NEWBORN/ INFANT NUTRITION/ IODINE ISOTOPES/ MAGNESIUM, analysis/ MALE/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, analysis/ RADIOIMMUNOASSAY/ UMBILICAL CORD

1040. **Fairwell T, Ellis S, Lovins RE**: Quantitative protein sequencing using mass spectrometry: thermally induced formation of thiohydantoin amino acid derivatives from N-methyl- and N-phenylthiourea amino acids and peptides in the mass spectrometer. Anal Biochem 53:115-23, May 73
*AMINO ACID SEQUENCE/ AMINO ACIDS/ AMINO ACIDS, analysis/ CHEMISTRY/ HEAT/ *HYDANTOINS, chem synthesis/ MASS SPECTRUM ANALYSIS/ METHODS/ PEPTIDES/ PEPTIDES, analysis/ PROTEINS, analysis/ THIOCYANATES/ THIOHYDANTOINS, chem synthesis/ THIOUREA, chem synthesis

1041. **Falase AO, Cole TO, Osuntokun BO**: Myocardial infarction in Nigerians. Trop Geogr Med 25:147-50, Jun 73
ADULT/ AFRICA, WESTERN/ AGED/ AORTIC VALVE STENOSIS, complications/ CORONARY DISEASE, complications/ DIABETES MELLITUS, complications/ DIET/ ENDOCARDITIS, BACTERIAL, complications/ ENDOCARDITIS, SUBACUTE BACTERIAL, complications/ ENDOMYOCARDIAL FIBROSIS, complications/ FEMALE/ HEART ENLARGEMENT, complications/ HUMAN/ HYPERTENSION, complications/ HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, etiology/ *MYOCARDIAL INFARCT, occurrence/ NEGROID RACE/ NIGERIA/ RETROSPECTIVE STUDIES/ SMOKING, complications/ SOCIOECONOMIC FACTORS/ UNITED STATES

1042. **Falus M, Sobel M**: A placenta ultrahangos vizsgálatának értékelése 800 vizsgálat kapcsán. Orv Hetil 114:1481-4, 24 Jun 73 (Hun)
FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ *PLACENTA/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *ULTRASONICS, diagnostic use

1043. **Faragalla FF**: The distribution and exchange of brain calcium in vivo in the rat.

LIBRARY U. OF I. URBANA-CHAMPAIGN

Exp Brain Res 17:206-15, 30 Apr 73
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ BODY FLUIDS, metabolism/ BODY WATER, analysis/ *BRAIN, metabolism/ *BRAIN CHEMISTRY/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CEREBRAL CORTEX, metabolism/ CHLORIDES, analysis/ EXTRACELLULAR SPACE, metabolism/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAPERITONEAL/ MALE/ MEDULLA OBLONGATA, metabolism/ PITUITARY GLAND, metabolism/ PONS, metabolism/ RATS

1044. **Faragó A, Antoni F, Takáts A, et al:** Adenosine 3':5'-monophosphate-dependent and independent histone kinases isolated from human tonsillar lymphocytes.
Biochim Biophys Acta 297:517-26, 28 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HISTONES/ HISTONES, analysis/ HUMAN/ KINETICS/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, enzymology/ PEPTIDES, analysis/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ TONSIL, cytology

1045. **Farid NR, Munro RE, Row VV, et al:** Peripheral thymus-dependent (T) lymphocytes in Graves's disease and Hashimoto's thyroiditis.
N Engl J Med 288:1313-7, 21 Jun 73
AUTOANTIGENS/ CELL MIGRATION INHIBITION/ ERYTHROCYTES, immunology/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ IMMUNE ADHERENCE REACTION/ IMMUNITY, CELLULAR/ LEUKOCYTE COUNT/ LYMPHOCYTES, immunology/ *T-LYMPHOCYTES, immunology/ REMISSION/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, immunology/ THYROIDITIS, LYMPHOMATOUS, blood/ *THYROIDITIS, LYMPHOMATOUS, immunology

1046. **Farid Z, Bassily S, Hassan A:** Drug-induced respiratory disorders. Br Med J 2:661-2, 16 Jun 73
ADOLESCENCE/ *ASTHMA, chemically induced/ ASTHMA, radiography/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ *NIRIDAZOLE, adverse effects/ RESPIRATORY HYPERSENSITIVITY/ SCHISTOSOMIASIS, drug therapy

1047. **Farid Z, Sparks HA, Hassan A:** Treatment of Salmonella paratyphi A osteomyelitis with trimethoprim-sulphamethoxazole.
J Trop Med Hyg 76:91-3, Apr 73
ADOLESCENCE/ *ANTI-INFECTIVE AGENTS, therapeutic use/ FEVER/ *FOLIC ACID ANTAGONISTS, therapeutic use/ HEMOGLOBIN, analysis/ HUMAN/ MALE/ NIRIDAZOLE, therapeutic use/ *OSTEOMYELITIS, drug therapy/ PARASITE EGG COUNT/ *PARATHYROID DISEASES, drug therapy/ *PYRIMIDINES, therapeutic use/ RETICULOCYTES, analysis/ SCHISTOSOMA HAEMATOBIUM, isolation & purification/ SCHISTOSOMA MANSONI, isolation & purification/ SCHISTOSOMIASIS, drug therapy/ SHOULDER JOINT/ *SULFAMETHOXAZOLE, therapeutic use/ TRIMETHOPRIM, therapeutic use

1048. **Farnsworth NR:** Wilforine. J Pharm Sci 62:1028, Jun 73
*ALKALOIDS/ CHEMISTRY/ *NOMENCLATURE/ PLANTS, MEDICINAL/ PREGNANES

1049. **Farnsworth WE:** Human prostatic dehydroepiandrosterone sulfate sulfatase. Steroids 21:647-64, May 73
CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE/ DEHYDROEPIANDROSTERONE, isolation purification/ ESTRADIOL, pharmacodyna HUMAN/ HYDROLYSIS/ HYDROXYPROGESTERONE, pharmacodynamics/ IN VITRO/ KINETIC MALE/ *PROSTATE, enzymology/ PROT analysis/ SULFATASES, antagonists & inhibitors/ *SULFATASES, metabolism/ SULFATES/ TESTOSTERONE, pharmacodynamics/ TRITIUM

1050. **Favus MJ, Walling MW, Kimberg DV: Eff** 1,25-dihydroxycholecalciferol on intestinal transport in cortisone-treated rats.
J Clin Invest 22:1680-5, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, blood/ *CALCIUM, metabolis *CORTISONE, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, drug e DUODENUM, metabolism/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ MAGNESIU blood/ MALE/ PHOSPHORUS, blood/ R VITAMIN D DEFICIENCY, metabolism

1051. **Fawcett JK, Camerman N:** Thyroid hormone str molecular conformation of 3'-isopropyl-3,5-diiodo-L-thyronine, the most known thyromimetic agent.
Biochem Biophys Res Commun 52:407-12, 15
CRYSTALLIZATION/ IODINE/ *MOLEC CONFORMATION/ PROPANE/ *THYRO X-RAY DIFFRACTION

1052. **Fawell WN, Thompson G:** Nutmeg for diar medullary carcinoma of thyroid.
N Engl J Med 289:108-9, 12 Jul 73
AGED/ CARCINOMA, complications/ *CONDIMENTS/ *DIARRHEA, drug ther DIARRHEA, etiology/ HUMAN/ MALE/ NUTMEG, therapeutic use/ *THYROID NEOPLASMS, complications

1053. **Fayemi AO, Gerber MA, Cohen I, et al:** sarcoma. Review of the literature and report o
Cancer 32:253-8, Jul 73
AUTOPSY/ *BONE NEOPLASMS, complications/ BONE NEOPLASMS, pat CASE REPORT/ FEMALE/ FEMORAL FRACTURES, complications/ HUMAN/ MIDDLE AGE/ MYELOFIBROSIS, complications/ MYELOID METAPLASIA complications/ OSTEOPOROSIS, complic *PLASMACYTOMA, complications/ PLASMACYTOMA, pathology/ SPLENOMEGALY, complications

1054. **Fazio C, Andreoli V, Agnoli A, et al: Effetti ter** e meccanismo d'azione della S-adenosil-L-m (SAM) nelle sindromi depressive.
Minerva Med 64:1515-29, 30 Apr 73
S-ADENOSYLMETHIONINE, metabolism S-ADENOSYLMETHIONINE, pharmacody *S-ADENOSYLMETHIONINE, therapeuti ADRENAL GLANDS, metabolism/ ADU AGED/ ANIMAL EXPERIMENTS/ BRA metabolism/ CLINICAL RESEARCH/ *DEPRESSION, drug therapy/ DEPRES REACTIVE, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIVE metabolism/ LUNG, metabolism/ MALE MIDDLE AGE/ MYOCARDIUM, metabo *PSYCHOSES, INVOLUTIONAL, drug t *PSYCHOSES, MANIC-DEPRESSIVE, dr therapy

1055. **Federman DD:** Genetic control of sexual dif
Prog Med Genet 9:215-35, 1973 (102 re
CELL DIFFERENTIATION/ FEMALE/ GENITALIA, growth & development/ GONADOTROPINS, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYST physiology/ MALE/ MORPHOGENESIS/ MULLERIAN DUCTS/ *OVARY, embry OVARY, secretion/

PSEUDOHERMAPHRODITISM, familial & genetic/ PUBERTY/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ TESTICULAR FEMINIZATION, familial & genetic/ *TESTIS, embryology/ TESTIS, secretion/ TESTOSTERONE, secretion/ TURNER'S SYNDROME, familial & genetic

Federspil G, Sirotich G, Casara D, et al: Ormoni tiroidei e secrezione insulinica: analisi analogica del test orale di tolleranza al glucosio nella tireotossicosi.
Acta Diabetol Lat 10:16-29, Jan-Feb 73 (Ita)
BLOOD SUGAR/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOSE TOLERANCE TEST/ GLYCOGEN, biosynthesis/ HUMAN/ *HYPERTHYROIDISM, blood/ *INSULIN, secretion/ LIVER, metabolism/ MALE/ MODELS, BIOLOGICAL/ PANCREAS, physiology/ *THYROID HORMONES, blood/ TRIIODOTHYRONINE, administration & dosage

Feigin RD, Moss KS, Shackelford PG: Antibiotic stability in solutions used for intravenous nutrition and fluid therapy. Pediatrics 51:1016-26, Jun 73
AMINO ACIDS/ AMPICILLIN/ *ANTIBIOTICS/ CARBENICILLIN/ CEPHALOTHIN/ CLINDAMYCIN/ COLOR/ DRUG COMBINATIONS/ *DRUG STABILITY/ HEPARIN/ HYDROCORTISONE/ KANAMYCIN/ METHICILLIN/ *PARENTERAL FEEDING/ PENICILLIN/ PRECIPITATION/ PROTEINS/ SOLUTIONS/ TEMPERATURE/ TIME FACTORS

Felder E, Pitrè D, Grandi M: Radioopaque contrast media. 23. Apparent acidity constants of radioopaque acids in the system methylcellosolve-water.
Farmaco [Sci] 28:485-93, Jun 73
ACIDS/ ALCOHOL, ETHYL/ CHOLECYSTOGRAPHY/ CONTRAST MEDIA, administration & dosage/ *CONTRAST MEDIA, metabolism/ HUMAN/ INJECTIONS, INTRAVENOUS/ IODINE, physiology/ METHYL ETHER/ PROTEIN BINDING/ SOLUBILITY/ UROGRAPHY/ *WATER

Feldman S, Conforti N, Chowers I: Neural pathways mediating adrenocortical responses to photic and acoustic stimuli. Neuroendocrinology 10:316-23, 1972
ACOUSTIC STIMULATION/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AUDITORY PERCEPTION/ *CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DENERVATION/ ETHYL ETHER/ *HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, AFFERENT, physiology/ PHOTIC STIMULATION/ PITUITARY GLAND, physiology/ RATS/ STEREOTAXIC TECHNICS/ STRESS, PSYCHOLOGICAL/ TEGMENTUM MESENCEPHALI, physiology/ VISUAL PERCEPTION

Feldman S, Dalith M, Conforti N: Effects of cortisol on evoked potentials and recovery cycles in the rat hypothalamus. J Neural Transm 34:1-9, 1973
ANIMAL EXPERIMENTS/ CORTICOTROPIN, secretion/ ELECTRIC STIMULATION/ *EVOKED POTENTIALS, drug effects/ HIPPOCAMPUS, physiology/ *HYDROCORTISONE, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, secretion/ INHIBITION, NEURAL, drug effects/ *LIMBIC SYSTEM, physiology/ MALE/ MESENCEPHALON, physiology/ NEURAL TRANSMISSION, drug effects/ NEUROSECRETORY SYSTEMS, physiology/ *PERIODICITY/ PHOTIC STIMULATION/ RATS/ RETICULAR FORMATION, physiology/ SCIATIC NERVE, physiology/ SEPTUM PELLUCIDUM, physiology

Feldstein A: Ethanol-induced sleep in relation to serotonin turnover and conversion to 5-hydroxyindoleacetaldehyde, 5-hydroxytryptophol, and 5-hyroxyindoleacetic acid.
Ann NY Acad Sci 215:71-6, 30 Apr 73
ALCOHOL, ETHYL, biosynthesis/ *ALCOHOL, ETHYL, metabolism/ ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLS, biosynthesis/ ALDEHYDES, analysis/ *ALDEHYDES, biosynthesis/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ HYDROXYINDOLEACETIC ACID, analysis/ *HYDROXYINDOLEACETIC ACID, biosynthesis/ INDOLES, analysis/ *INDOLES, biosynthesis/ RATS/ SEROTONIN, analysis/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ *SLEEP

1062. Felix JM, Sutter BC, Jacquot R: Inhibitors of proteolysis and glucose uptake by diaphragm muscle in vitro under insulin action.
Horm Metab Res 5:89-93, Mar 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ANTIMETABOLITES, pharmacodynamics/ AUTOANALYSIS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ DIAPHRAGM/ GLUCOSE, analysis/ *GLUCOSE, metabolism/ IN VITRO/ *INSULIN, pharmacodynamics/ INSULIN ANTIBODIES/ KINETICS/ *MUSCLES, enzymology/ PEPTIDE HYDROLASES, antagonists & inhibitors/ *PEPTIDE HYDROLASES, metabolism/ PEPTIDE PEPTIDOHYDROLASES, metabolism/ RATS/ RECEPTORS, HORMONE

1063. Felker RE, Critchlow WC, Dupont JR, et al: Pheochromocytoma: current management in a community hospital. Case reports.
Mo Med 70:313-5, May 73
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ FEMALE/ HOSPITALS, COMMUNITY/ HUMAN/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery

1064. Fell PJ: Kinetic studies of cortisol and synthetic corticosteroids in man.
Clin Endocrinol (Oxf) 1:65-72, Jan 72
BETAMETHASONE, administration & dosage/ *BETAMETHASONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ KINETICS/ MALE/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, blood

1065. Fendler JP, Gaux JC, Brisset JM, et al: L'artériographie dans le diagnostic et la localisation de l'adénome parathyroidien.
Nouv Presse Med 2:1719-20, 23 Jun 73 (Fre)
*ADENOMA, radiography/ ANGIOGRAPHY/ HUMAN/ METHODS/ *PARATHYROID GLANDS, radiography/ *PARATHYROID NEOPLASMS, radiography

1066. Fendler K, Vermes I, Stark A, et al: Effect of cervical sympathectomy on water balance in pituitary stalk-sectioned rats.
Acta Physiol Acad Sci Hung 42:61-5, 1972
ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, physiopathology/ DIABETES INSIPIDUS, urine/ *DIURESIS/ *GANGLIA, AUTONOMIC, physiology/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiology/ RATS/ *SYMPATHECTOMY/ VASOPRESSIN, metabolism/ VASOPRESSIN, secretion/ *WATER, metabolism

1067. Feng PH, Jayaratnam FJ, Tock EP, et al: Cyclophosphamide in treatment of systemic lupus erythematosus: 7 years' experience.
Br Med J 2:450-2, 26 May 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ BLOOD CELL COUNT/ CYCLOPHOSPHAMIDE, adverse effects/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HEMATURIA, etiology/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LUPUS ERYTHEMATOSUS,

LIBRARY U. OF I., URBANA-CHAMPAIGN

SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PROTEINURIA, etiology/ UREA, blood

1068. **Fenzi GF, Romaldini JH, Grasso L, et al:** Effects of various iodination procedures on the biological activity of LATS. J Nucl Biol Med 16:55-7, Apr-Jun 72
HUMAN/ IGG, analysis/ *IODINE/ *LONG-ACTING THYROID STIMULATOR, analysis/ LONG-ACTING THYROID STIMULATOR, blood

1069. **Ferguson WW, Edmonds AW, Starling JR, et al:** Protective effect of prostaglandin E 1 (PGE 1) on lysosomal enzyme release in serotonin-induced gastric ulceration. Ann Surg 177:648-54, Jun 73
ANIMAL EXPERIMENTS/ CATHEPSIN, blood/ *CATHEPSIN, secretion/ *GASTRIC MUCOSA, enzymology/ GASTRIC MUCOSA, secretion/ HEMOLYSIS/ HYDROGEN-ION CONCENTRATION/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ LYSOSOMES, secretion/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SEROTONIN/ STOMACH ULCER, chemically induced/ *STOMACH ULCER, enzymology

1070. **Feringa ER, Gurden GG, Strodel W, et al:** Descending spinal motor tract regeneration after spinal cord transection. Neurology (Minneap) 23:599-608, Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIGENS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ AXONS/ AZATHIOPRINE, pharmacodynamics/ CHORDOTOMY/ COLLAGEN/ ELECTRIC STIMULATION/ EVALUATION STUDIES/ FEMALE/ *IMMUNOSUPPRESSION/ *NERVE REGENERATION/ NERVE REGENERATION, drug effects/ NEURAL CONDUCTION/ NEUROGLIA/ NEURONS, EFFERENT/ RABBITS, immunology/ RATS/ REFLEX/ SCIATIC NERVE, physiology/ SPINAL CORD, anatomy & histology/ *SPINAL CORD, immunology/ SPINAL CORD, physiology/ SYNAPSES/ THYROXINE, pharmacodynamics

1071. **Feron VJ, Groot AP de, Spanjers MT, et al:** An evaluation of the criterion "organ weight" under conditions of growth retardation.
Food Cosmet Toxicol 11:85-94, Feb 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BODY WEIGHT, drug effects/ BRAIN, anatomy & histology/ CELLULOSE, administration & dosage/ CELLULOSE, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ FEMALE/ GONADS, anatomy & histology/ GROWTH DISORDERS/ HEART, anatomy & histology/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ LUNG, anatomy & histology/ MALE/ *ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *POLYSACCHARIDES, adverse effects/ POLYSACCHARIDES, metabolism/ RATS/ SPLEEN, anatomy & histology/ STARCH, adverse effects/ THYMUS GLAND, anatomy & histology/ THYROID GLAND, anatomy & histology

1072. **Ferreira A, Moreno C, Hoecker G:** Lack of correlation between the effects of cortisone on mouse spleen plaque-forming cells and circulating anti-sheep red blood cell haemolysins. Immunology 24:607-16, Apr 73
ANIMAL EXPERIMENTS/ *ANTIBODY PRODUCING CELLS, drug effects/ BONE MARROW, immunology/ *CORTISONE, pharmacodynamics/ CYANIDES/ CYCLOHEXIMIDE/ ERYTHROCYTES/ FEMALE/ GEL FILTRATION/ HEMOLYSINS/ *HEMOLYSINS/ *HEMOLYTIC PLAQUE TECHNIC/ IGG/ IGM/ IMMUNE SERUMS/ IMMUNIZATION, SECONDARY/ MALE/ MICE/ SHEEP, immunology/ *SPLEEN, drug effects/ SPLEEN, immunology

1073. **Ferreira SH, Moncada S, Vane JR:** Some effects of inhibiting endogenous prostaglandin formation on the responses of the cat spleen.
Br J Pharmacol 47:48-58, Jan 73
ANGIOTENSIN, pharmacodynamics/ ANIMA EXPERIMENTS/ CATS/ CHROMATOGRAP THIN LAYER/ FEEDBACK/ INDOMETHA pharmacodynamics/ MUSCLE CONTRACTI drug effects/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PROSTAGLANDINS, antagonists & inhibito *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, secretion/ SPLANCH NERVES, physiology/ *SPLEEN, metaboli SPLEEN, secretion/ STIMULATION, CHEMICAL/ STOMACH, drug effects

1074. **Ferris BG Jr, Mahoney JR, Patterson RM, et a** quality, Berlin, New Hampshire, March 1966-December 1967.
Am Rev Respir Dis 108:77-84, Jul 73
*AIR POLLUTION, analysis/ DUST/ EPIDEMIOLOGIC METHODS/ EVALUATIO STUDIES/ NEW HAMPSHIRE/ SOMATOMEDIN/ SULFUR DIOXIDE, anal

1075. **Feustel A:** Diagnostik und Therapie des Prostatakarzinoms.
Z Urol Nephrol 66:221-3, Mar 73 (14 ref.)
CASTRATION/ ESTRADIOL, therapeutic u ESTROGENS, therapeutic use/ HUMAN/ MALE/ PALPATION/ PROGNOSIS/ PROSTATIC NEOPLASMS, complications/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy/ REV

1076. **Fialkow PJ, Klein E, Klein G, et al:** Immunoglobul glucose-6-phosphate dehydrogenase as marke cellular origin in Burkitt lymphoma.
J Exp Med 138:89-102, 1 Jul 73
*BURKITT'S LYMPHOMA/ BURKITT'S LYMPHOMA, enzymology/ BURKITT'S LYMPHOMA, immunology/ CELL MEMBR immunology/ CLONE CELLS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GLUCOSEPHOSPHATE DEHYDROGENAS analysis/ HETEROZYGOTE/ HUMAN/ IGG analysis/ IGM, analysis/ IMMUNOGLOBUL FRAGMENTS, analysis/ *IMMUNOGLOBUL analysis/ ISOENZYMES, analysis/ JAW NEOPLASMS, enzymology/ JAW NEOPLA immunology/ B-LYMPHOCYTES, immunol MALE/ NEOPLASMS, MULTIPLE PRIMA enzymology/ NEOPLASMS, MULTIPLE PRIMARY, immunology/ OVARIAN NEOPLASMS, enzymology/ OVARIAN NEOPLASMS, immunology/ RABBITS, immunology

1077. **Fialkow PJ, Martin GM, Sprague CA:** Repli life-span of cultured skin fibroblasts from mothers of subjects with Down's syndrome: fail detect accelerated ageing.
Am J Hum Genet 25:317-22, May 73
*AGING/ CELL DIVISION/ CELL SURVI CELLS, CULTURED/ FEMALE/ *FIBROBLASTS, growth & development/ FIBROBLASTS, immunology/ HUMAN/ MATERNAL AGE/ *MONGOLISM, immun THYROID GLAND, immunology

1078. **Fibiger HC, Zis AP, McGeer EG:** Feeding and dr deficits after 6-hydroxydopamine administrat the rat: similarities to the lateral hypoth syndrome. Brain Res 55:135-48, 30 May 7
AMPHETAMINE, pharmacodynamics/ AN EXPERIMENTS/ APPETITE DISORDERS, chemically induced/ *CATECHOLAMINES, physiology/ CORPUS STRIATUM, enzymo DISEASE MODELS, ANIMAL/ *DRINKIN BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, drug effects/ FENFLURAMI pharmacodynamics/ *HYDROXYDOPAMIN pharmacodynamics/ HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, physiolo MALE/ MESENCEPHALON, enzymology/ QUININE, pharmacodynamics/ RATS/ SUBSTANTIA NIGRA, drug effects/ TRANYLCYPROMINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism/ WATER-ELECTROLYTE BALANCE

Field LH, Rollin H, Watts CA: New horizons in medical ethics. Changing the patient's personality.
Br Med J 2:594-8, 9 Jun 73
CASTRATION/ CRIMINAL PSYCHOLOGY/ *ETHICS, MEDICAL/ HUMAN/ MALE/ *PERSONALITY/ PERSONALITY, drug effects/ PSYCHOSURGERY/ PSYCHOTHERAPY/ SEX DISORDERS, therapy/ SEX REVERSAL, GONADAL

Fierro-Benítez R: A note on iodine deficiency and thyroid function in "neurological" cretinism in highland Ecuador. Adv Exp Med Biol 30:115-7, 1972
BLOOD PROTEINS, analysis/ CHILD/ CHOLESTEROL, blood/ CRETINISM, familial & genetic/ *CRETINISM, metabolism/ CRETINISM, pathology/ DEFICIENCY DISEASES, complications/ ECUADOR/ GOITER, ENDEMIC, complications/ HUMAN/ HYPOTHYROIDISM, complications/ *IODINE/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MUSCLES, pathology/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS

Fierro-Benítez R, Ramírez I, Suárez J: Effect of iodine correction early in fetal life on intelligence quotient. A preliminary report.
Adv Exp Med Biol 30:239-47, 1972
CHILD, PRESCHOOL/ *CRETINISM, prevention & control/ *CRETINISM, therapy/ DEFICIENCY DISEASES, complications/ ECUADOR/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *INTELLIGENCE, drug effects/ INTELLIGENCE TESTS/ IODIZED OILS, administration & dosage/ *IODIZED OILS, therapeutic use/ MALE/ *MENTAL RETARDATION, prevention & control/ PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy

Fife TH, Szabo A: Cyclic AMP inhibition of reactions of glyceraldehyde 3-phosphate dehydrogenase.
Arch Biochem Biophys 157:100-5, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ARSENIC, pharmacodynamics/ BENZALDEHYDES, metabolism/ BINDING SITES/ *GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ KINETICS/ MODELS, BIOLOGICAL/ MUSCLES, drug effects/ MUSCLES, enzymology/ NAD/ PROTEIN CONFORMATION/ RABBITS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Figarová V, Presl J, Pospíšil J, et al: Decrease in HCG--binding capacity of target tissues influenced by hypophysectomy.
Endocrinol Exp (Bratisl) 7:85-8, 1973
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ENDOMETRIUM, metabolism/ FEMALE/ FSH, physiology/ *GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ *OVARY, metabolism/ *PITUITARY GLAND, physiology/ RATS/ *RECEPTORS, HORMONE/ *UTERUS, metabolism

Fijałkowski W: Cykl płciowy u kobiety.
Pielęg Położna 5:6-7 passim, May 73 **(Pol)**
BODY TEMPERATURE/ FSH, secretion/ LH, secretion/ OVULATION/ SPECIAL LIST NURSING

Filatov IuM, Serbinenko FA, Padalko PI: Varikoznoe rasshirenie ven orbity (klinika, diagnostika i khirurgicheskoe lechenie.
Vopr Neirokhir 37:14-8, Jan-Feb 73 **(Rus)**
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MALE/ *ORBIT, blood supply/ PHLEBOGRAPHY/ VARICOSE VEINS, complications/ *VARICOSE VEINS, diagnosis/ VARICOSE VEINS, radiography/ VARICOSE VEINS, surgery

Filina TF, Simernitskii BP: Dannye REG i EEG u detei pri opukholiakh khiazmal'no-dientsefal'noi oblasti.
Vopr Neirokhir 37:45-9, Jan-Feb 73 **(Rus)**
ADOLESCENCE/ *BRAIN NEOPLASMS, diagnosis/ *CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CEREBROVASCULAR CIRCULATION/ CHILD/ CHILD, PRESCHOOL/ *CRANIOPHARYNGIOMA, diagnosis/ *DIENCEPHALON/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ GLIOMA, diagnosis/ HUMAN/ MALE/ *OPTIC CHIASM/ OPTIC NERVE/ *PERIPHERAL NERVE NEOPLASMS, diagnosis/ PLETHYSMOGRAPHY, IMPEDANCE/ *SELLA TURCICA

1087. **Filipp G:** Mechanism of suppressing anaphylaxis through electrolytic lesion of the tuberal region of the hypothalamus.
Ann Allergy 31:272-8, Jun 73
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANAPHYLAXIS, etiology/ ANAPHYLAXIS, mortality/ *ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ ANTIGENS/ GUINEA PIGS/ HORSES, immunology/ *HYPOTHALAMUS, physiology/ PERTUSSIS VACCINE/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, NEURAL, physiology/ STEREOTAXIC TECHNICS/ TIME FACTORS

1088. **Fillastre JP, Robert M, Dubois D:** Hyperparathyroïdisme secondaire chez les malades atteints d'insuffisance rénale chronique.
Sem Hop Paris 49:501-6, 8 Feb 73 **(Fre)**
CALCINOSIS, etiology/ CALCIUM, blood/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYCHOLECALCIFEROL, blood/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, therapy/ KIDNEY, transplantation/ KIDNEY FAILURE, ACUTE, surgery/ *KIDNEY FAILURE, CHRONIC, complications/ PAIN, etiology/ PARATHYROID HORMONE, blood/ PHOSPHORUS, metabolism/ PRURITUS, etiology/ UREMIA, complications/ VITAMIN D, metabolism

1089. **Filler R, Litwack G:** Differences in macromolecular binding between cyclic AMP and its dibutyryl derivative in vitro.
Biochem Biophys Res Commun 52:159-67, 1 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BLOOD PROTEINS, metabolism/ *BUTYRATES, metabolism/ CHROMATOGRAPHY, PAPER/ CYTOSOL, metabolism/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ ISOELECTRIC FOCUSING/ KINETICS/ LIVER, cytology/ LIVER, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ PROTEIN BINDING/ RATS/ TRITIUM

1090. **Fingerman M:** Behavior of chromatophores of the fiddler crab Uca pugilator and the dwarf crayfish Cambarellus shufeldti in response to synthetic Pandalus red pigment-concentrating hormone.
Gen Comp Endocrinol 20:589-92, Jun 73
ANIMAL EXPERIMENTS/ *CHROMATOPHORES, drug effects/ *CRABS, physiology/ *CRAYFISH, physiology/ *HORMONES, pharmacodynamics/ *PIGMENTS/ SHRIMP

1091. **Finizio FS, Vinci A:** Asimmetrica corporea associata a craniofaringioma. Presentazione di un caso.
Riv Neurol 43:85-92, Mar-Apr 73 **(Ita)**
ADULT/ ANTHROPOMETRY/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ *BRAIN NEOPLASMS, complications/ CEREBRAL ANGIOGRAPHY/ *CRANIOFACIAL DYSOSTOSIS, complications/ CRANIOMETRY/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, radiography/ ENGLISH ABSTRACT/ FACIAL HEMIATROPHY, etiology/ FEMALE/ HUMAN/ MAXILLOFACIAL DEVELOPMENT

LIBRARY U. OF I. URBANA-CHAMPAIGN

1092. **Finley WH, McDanal CE Jr, Finley SC, et al:** Prison survey for the XYY karyotype in tall inmates.
Behav Genet 3:97-100, Mar 73
ADULT/ ALABAMA/ BODY HEIGHT/ CAUCASIAN RACE/ *CRIME/ CRIMINAL PSYCHOLOGY/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ MALE/ MIDDLE AGE/ NEGROES/ PHENOTYPE/ PRISONERS/ *SEX CHROMOSOME ABNORMALITIES, occurrence

1093. **Finn CA, Martin L:** Endocrine control of gland proliferation in the mouse uterus.
Biol Reprod 8:585-8, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ EPITHELIAL CELLS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MICE/ *MITOSIS, drug effects/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ TIME FACTORS/ UTERUS, anatomy & histology/ *UTERUS, drug effects/ VAGINAL SMEARS

1094. **First MR:** Sodium handling by the kidney in health and disease. A review.
S Afr Med J 47:839-43, 19 May 73 (59 ref.)
ABSORPTION/ ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BLOOD PRESSURE/ CAPILLARIES/ DIABETES INSIPIDUS, metabolism/ DIURETICS, pharmacodynamics/ DOGS/ EDEMA, metabolism/ EXTRACELLULAR SPACE, metabolism/ GLOMERULAR FILTRATION RATE/ HORMONES, physiology/ HUMAN/ HYPERALDOSTERONISM, metabolism/ *KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, blood supply/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ LOOP OF HENLE, metabolism/ NATRIURESIS, drug effects/ RENAL ARTERY OBSTRUCTION, metabolism/ REVIEW/ *SODIUM, metabolism/ STIMULATION, CHEMICAL/ VASODILATOR AGENTS, pharmacodynamics/ WATER, metabolism

1095. **First NL:** Synchronization of estrus and ovulation in the mare with methallibure. J Anim Sci 36:1143-8, Jun 73
ADMINISTRATION, ORAL/ ALLYL COMPOUNDS, administration & dosage/ ALLYL COMPOUNDS, pharmacodynamics/ ALLYL COMPOUNDS, toxicity/ ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, anatomy & histology/ HORSE DISEASES, chemically induced/ *HORSES, physiology/ INSEMINATION, ARTIFICIAL, veterinary/ MOVEMENT DISORDERS, chemically induced/ MOVEMENT DISORDERS, veterinary/ *OVULATION, drug effects/ PREGNANCY/ THIOUREA, administration & dosage/ *THIOUREA, pharmacodynamics/ THIOUREA, toxicity

1096. **Fischbach R:** Die vegetativen Effekte der Antidepressiva im Bereich des Gastro-Intestinaltraktes.
Wien Med Wochenschr 123:Suppl 5:3-26, 1973 (Ger)
ADULT/ AGED/ ANTIDEPRESSIVE AGENTS, metabolism/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, therapeutic use/ CALCIUM, metabolism/ DEPRESSION, drug therapy/ DEPRESSION, metabolism/ EVALUATION STUDIES/ FEMALE/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTROINTESTINAL MOTILITY, drug effects/ *GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, metabolism/ MALE/ MIDDLE AGE

1097. **Fischer JA, Binswanger U, Blum JW:** Parathormonsekretion und Phosphat. Untersuchungen bei normalen Kühen und Patienten mit primärem Hyperparathyreoi
Schweiz Med Wochenschr 103:842-4, 9 Jun 7
ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ CALCIUM, bio CATTLE/ ENGLISH ABSTRACT/ FEMA HUMAN/ *HYPERPARATHYROIDISM, b HYPOCALCEMIA, blood/ INJECTIONS, INTRAVENOUS/ *PARATHYROID HORM secretion/ PHOSPHATES, administration dosage/ *PHOSPHATES, blood

1098. **Fischgold H:** L'Emi-Scanner.
J Radiol Electrol Med Nucl 54:1-5, Jan 7
ANALOG-DIGITAL CONVERSION/ ASTROCYTOMA, diagnosis/ *BRAIN DISEASES, diagnosis/ *BRAIN NEOPLA diagnosis/ CEREBRAL HEMORRHAGE, diagnosis/ CRANIOPHARYNGIOMA, diag *DIAGNOSIS, COMPUTER ASSISTED/ METHODS/ *TECHNOLOGY, RADIOLOG *TOMOGRAPHY, RADIOGRAPHIC, instrumentation/ VENTRICULOGRAPHY

1099. **Fiserova-Bergerova V:** Changes of fluoride co bone: an index of drug defluorination i
Anesthesiology 38:345-51, Apr 73
ALCOHOL, ETHYL, pharmacodynamics/ *ANESTHETICS, metabolism/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION BODY WEIGHT/ *BONE AND BONES, metabolism/ CHLORINE, metabolism/ DI INTERACTIONS/ ETHERS, metabolism/ FEMALE/ FLUORIDATION/ *FLUORIDE metabolism/ FLUORINE, metabolism/ FURANS, metabolism/ HALOTHANE, metabolism/ HYDROCARBONS, HALOGENATED, metabolism/ LETHAL 50/ MALE/ METHOXYFLURANE, metab METHOXYFLURANE, toxicity/ METHYL ETHER, metabolism/ MICE/ MICE, INB C57BL/ MICROSOMES, LIVER, enzymolo PHENOBARBITAL, pharmacodynamics/ PREGNANCY/ PROADIFEN, pharmacodynamics/ RATS/ TIME FACT

1100. **Fisher B:** Cooperative clinical trials in primary cancer: a critical appraisal.
Cancer 31:1271-86, May 73 (25 ref.)
ADULT/ AGED/ BREAST NEOPLASMS, therapy/ BREAST NEOPLASMS, mortali BREAST NEOPLASMS, radiotherapy/ BR NEOPLASMS, surgery/ *BREAST NEOP therapy/ CASTRATION/ CLINICAL RESEARCH/ DENMARK/ ENGLAND/ EVALUATION STUDIES/ FEMALE/ FINLAND/ FOLLOW-UP STUDIES/ HU LONDON/ LYMPH NODE EXCISION/ L NODES, radiation effects/ MASTECTOM MIDDLE AGE/ NEOPLASM RECURREN LOCAL/ NORWAY/ OVARY/ PROSPEC STUDIES/ RESEARCH DESIGN/ REVIE SCOTLAND/ SWEDEN

1101. **Fissekis JD, Sweet F:** The chemistry of base-catalyzed condensation of some 3-alk 3-alkoxy-2-dialkoxymethyl esters with ure Synthesis of 5-substituted uracils.
J Org Chem 38:1963-70, 1 Jun 73
BUTYRATES/ CATALYSIS/ CHEMISTR CYCLIZATION/ ESTERS/ HYDROGEN-I CONCENTRATION/ *METHYLTHIOURA chem synthesis/ PHENYLHYDRAZINE/

1102. **Fitzpatrick LF, Landon EJ:** Calcium serum bi cystic fibrosis: reply.
Nature [New Biol] 242:113, 28 Mar 73
*BLOOD PROTEINS, metabolism/ *CALC metabolism/ *CYSTIC FIBROSIS, blood/ CYSTIC FIBROSIS, metabolism/ HUMAN

1103. **Flatz G, Rotthauwe HW:** Lactose nutrition and selection. Lancet 2:76-7, 14 Jul 73
ADULT/ AFRICA/ CALCIUM, metabolis CHINA/ DIETARY FATS/ DIETARY PROTEINS/ EUROPE/ GALACTOSIDASE metabolism/ HUMAN/ INDIA/ INTESTI ABSORPTION/ INTESTINAL MUCOSA, metabolism/ LACTATION/ *LACTOSE/ LACTOSE INTOLERANCE/ MILK/

LIBRARY U. OF L. URBANA-CHAMPAIGN

*NUTRITION/ PREGNANCY/ *SELECTION (GENETICS)/ TIME FACTORS/ ULTRAVIOLET RAYS

lawid MM, Torres HN: Adenylate cyclase activity in Neurospora crassa. 3. Modulation by glucagon and insulin. J Biol Chem 248:4517-20, 10 Jul 73
ADENOSINE TRIPHOSPHATE, administration & dosage/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ BINDING, COMPETITIVE/ CHLORIDES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCAGON, pharmacodynamics/ INSULIN, administration & dosage/ INSULIN, antagonists & inhibitors/ *INSULIN, pharmacodynamics/ KINETICS/ MANGANESE, administration & dosage/ MANGANESE, pharmacodynamics/ MEMBRANES, enzymology/ *NEUROSPORA, enzymology/ NEUROSPORA CRASSA, enzymology/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TIME FACTORS/ TRYPSIN

ax H, Salih H, Newton KA, et al: Are some women's breast cancers androgen dependent? Lancet 1:1204-7, 2 Jun 73
ADRENALECTOMY/ AGED/ ANDROGENS, adverse effects/ *ANDROGENS, metabolism/ BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, therapy/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROLACTIN, metabolism/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, metabolism

ax H, Salih H, Westbury G: Hormone therapy in malignant melanoma. Lancet 2:147, 21 Jul 73
BIOPSY/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, therapeutic use/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ IN VITRO/ MALE/ *MELANOMA, drug therapy/ MELANOMA, pathology/ MICROTOMY/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, therapeutic use/ TISSUE CULTURE

axman BA, Lasfargues EY: Hormone-independent DNA synthesis by epithelial cells of adult human mammary gland in organ culture. Proc Soc Exp Biol Med 143:371-4, Jun 73
*BREAST, metabolism/ *DNA, biosynthesis/ EPITHELIAL CELLS, metabolism/ FEMALE/ HUMAN/ *INSULIN, pharmacodynamics/ MITOSIS/ ORGAN CULTURE/ *PROLACTIN, pharmacodynamics/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TRITIUM

ischer N, Guillemin R: Clinical applications of hypothalamic-releasing factors. Adv Intern Med 18:303-23, 1972 (38 ref.)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CORTICOTROPIN, secretion/ FEEDBACK/ FSH, secretion/ HUMAN/ HYPERTHYROIDISM, physiopathology/ *HYPOTHALAMUS, secretion/ LH, secretion/ MALE/ MODELS, CHEMICAL/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY NEOPLASMS, physiopathology/ PULSE, drug effects/ RESPIRATION, drug effects/ REVIEW/ SPECIES SPECIFICITY/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, adverse effects/ THYROTROPIN RELEASING FACTOR, blood/ THYROTROPIN RELEASING FACTOR, isolation & purification/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, physiology

ming LW, Huchinson EF, Stewart WK: Radioimmunoassay of plasma-renin activity. Lancet 1:1392-3, 16 Jun 73
ANGIOTENSINASE, antagonists & inhibitors/ DIMERCAPROL, pharmacodynamics/ HUMAN/ *RADIOIMMUNOASSAY/ *RENIN, blood

1110. **Flemming K, Geierhass B, Seydewitz V:** Inhibition by cysteamine of steroid 11 -hydroxylation. Biochem Pharmacol 22:1241-5, 15 May 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ CORTICOTROPIN, secretion/ *CYSTEAMINE, pharmacodynamics/ *11-HYDROXYCORTICOSTEROIDS, biosynthesis/ HYDROXYLATION/ IN VITRO/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS

1111. **Fletch SM, Pinkerton PH:** Animal model of human disease. Congenital hemolytic anemia. Am J Pathol 71:477-80, Jun 73
*ANEMIA, HEMOLYTIC, CONGENITAL/ ANEMIA, HEMOLYTIC, CONGENITAL, blood/ ANEMIA, HEMOLYTIC, CONGENITAL, familial & genetic/ ANEMIA, HEMOLYTIC, CONGENITAL, veterinary/ ANIMAL EXPERIMENTS/ *DISEASE MODELS, ANIMAL/ DOG DISEASES, blood/ DOG DISEASES, familial & genetic/ *DOGS/ DWARFISM, blood/ DWARFISM, veterinary/ ERYTHROCYTE COUNT/ ERYTHROCYTES, analysis/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ OSMOTIC FRAGILITY/ POTASSIUM, analysis/ SODIUM, analysis

1112. **Fletcher DS, Tsau-Yen-Lin:** Incorporation of L-leucine and D-glucosamine into skin fibroblasts derived from cystic fibrosis and normal individuals. Clin Chim Acta 44:5-19, 28 Feb 73
ADENOSINE TRIPHOSPHATASE, metabolism/ AMINO ACIDS, metabolism/ AMINOBUTYRIC ACID, metabolism/ CALCIUM, metabolism/ CARBON ISOTOPES/ CELLS, CULTURED/ CYSTIC FIBROSIS, enzymology/ *CYSTIC FIBROSIS, metabolism/ ELECTROPHORESIS/ FIBROBLASTS, enzymology/ FIBROBLASTS, metabolism/ *GLUCOSAMINE, metabolism/ HUMAN/ IN VITRO/ IODOACETATES, metabolism/ KINETICS/ *LEUCINE, metabolism/ POTASSIUM/ SKIN, cytology/ SKIN, enzymology/ *SKIN, metabolism/ SODIUM/ SODIUM DODECYL SULFATE/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

1113. **Fletcher IC:** Effects of lactation, suckling and oxytocin on post-partum ovulation and oestrus in ewes. J Reprod Fertil 33:293-8, May 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ LABOR/ *LACTATION/ *OVULATION/ OVULATION, drug effects/ *OXYTOCIN, pharmacodynamics/ *SHEEP, physiology/ SUCKING BEHAVIOR

1114. **Flickinger CJ:** Regional variations in endoplasmic reticulum in the vas deferens of normal and vasectomized rats. Anat Rec 176:205-23, Jun 73
ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ CHOLESTEROL, metabolism/ CYTOPLASM/ *ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ FERTILITY/ GOLGI APPARATUS/ HYDRO-LYASES, biosynthesis/ LYSOSOMES, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PROTEINS, metabolism/ TESTOSTERONE, biosynthesis/ *VAS DEFERENS, cytology/ VAS DEFERENS, metabolism/ VAS DEFERENS, secretion/ *VASECTOMY

1115. **Flint G, Berry M:** A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine. Experientia 29:297-9, 15 Mar 73
ANIMAL EXPERIMENTS/ AXONS, physiology/ *BRAIN, drug effects/ CORPUS CALLOSUM, cytology/ CORPUS CALLOSUM, physiology/ *CORTICOTROPIN, pharmacodynamics/ MALE/

*NERVE REGENERATION, drug effects/ NEUROGLIA, physiology/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics

1116. **Flood C, Hunter SA, Lloyd CA, et al:** The effects of posture on the metabolism of androstenedione and estrone in males.
J Clin Endocrinol Metab 36:1180-8, Jun 73
ADULT/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, blood/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ ESTRADIOL, blood/ ESTRONE, blood/ *ESTRONE, metabolism/ HUMAN/ *17-KETOSTEROIDS, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ *POSTURE/ TESTOSTERONE, blood/ TRITIUM

1117. **Flores F, Naftolin F, Ryan KJ, et al:** Estrogen formation by the isolated perfused rhesus monkey brain.
Science 180:1074-5, 8 Jun 73
ANDROSTENES, administration & dosage/ *ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ *ESTRADIOL, biosynthesis/ *ESTRONE, biosynthesis/ *HYPOTHALAMUS, metabolism/ *LIMBIC SYSTEM, metabolism/ MACACA/ MALE/ MONKEYS/ PERFUSION/ TRITIUM

1118. **Florini JR, Saito Y, Manowitz EJ:** Effect of age on thyroxine-induced cardiac hypertrophy in mice.
J Gerontol 28:293-7, Jul 73
*AGING/ BODY WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HEART ENLARGEMENT, chemically induced/ INJECTIONS, INTRAPERITONEAL/ LEUCINE, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ PROTEINS, biosynthesis/ *THYROXINE/ THYROXINE, administration & dosage/ TIME FACTORS/ TRITIUM

1119. **Floss HG, Cassady JM, Robbers JE:** Influence of ergot alkaloids on pituitary prolactin and prolactin-dependent processes.
J Pharm Sci 62:699-715, May 73 (200 ref.)
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ ERGOLINES, pharmacodynamics/ *ERGOT ALKALOIDS, pharmacodynamics/ ERGOT ALKALOIDS, therapeutic use/ ERGOT ALKALOIDS, toxicity/ FEEDBACK/ FEMALE/ HUMAN/ LACTATION, drug effects/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ NIDATION, drug effects/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PREGNANCY/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, blood/ *PROLACTIN, metabolism/ PROLACTIN, physiology/ RADIOIMMUNOASSAY/ RATS/ REVIEW

1120. **Flouret GR, Arnold WH, Cole AJ, et al:** Synthesis and biological activity of the hypothalamic LH- and FSH-releasing decapeptide.
J Med Chem 16:369-73, Apr 73
ANIMAL EXPERIMENTS/ *FSH, secretion/ GEL FILTRATION/ IN VITRO/ *LH, secretion/ MALE/ METHODS/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

1121. **Flynn JP:** Patterning mechanisms, patterned reflexes, and attack behavior in cats.
Nebr Symp Motiv 20:125-53, 1972
*AGGRESSION/ ANIMAL EXPERIMENTS/ AROUSAL/ *BEHAVIOR, ANIMAL/ *CATS/ ELECTRIC STIMULATION/ EYE MOVEMENTS/ HYPOTHALAMUS, physiology/ MOTIVATION/ MOVEMENT/ NEURAL TRANSMISSION/ *REFLEX/ SENSATION/ SOMATOSENSORY CORTEX, physiology/ THALAMUS, physiology/ TOUCH

1122. **Flynn M:** A nursing care study; primary amen
Aust Nurses J 2:21-3, Apr 73
AMENORRHEA, drug therapy/ FSH, therapeutic use/ GONADOTROPINS, PITUITARY, therapeutic use/ PREGNA SPECIAL LIST NURSING/ STERILITY, FEMALE, drug therapy

1123. **Foldes A, Jeffrey PL, Preston BN, et al:** Some properties of bovine adrenal medullary d -hydroxylase. J Neurochem 20:1431-42,
*ADRENAL MEDULLA, enzymology/ A ACIDS, analysis/ ANIMAL EXPERIMEN CATTLE/ CHROMATOGRAPHY, THIN LAYER/ COPPER/ DANSYL COMPOU *DOPAMINE BETA HYDROXYLASE/ DOPAMINE BETA HYDROXYLASE, an DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ ELECTROPH POLYACRYLAMIDE GEL/ GEL FILTR HYDROGEN-ION CONCENTRATION/ KINETICS/ MACROMOLECULAR SYST MOLECULAR WEIGHT/ SODIUM DOD SULFATE/ TEMPERATURE/ TRITIUM ULTRACENTRIFUGATION/ UREA

1124. **Folkow B, Hallbäck M, Lundgren Y, et al:** Impo adaptive changes in vascular design for estab of primary hypertension, studied in ma spontaneously hypertensive rats.
Circ Res 32:Suppl 1:2-16, 5 May 73 (3
ANIMAL EXPERIMENTS/ BLOOD PR BLOOD VESSELS, drug effects/ *BLO VESSELS, pathology/ BLOOD VESSEL physiology/ CARDIAC OUTPUT/ CATS DISEASE MODELS, ANIMAL/ HEART HUMAN/ HYPERTENSION, etiology/ HYPERTENSION, familial & genetic/ HYPERTENSION, pathology/ HYPERTENSION, physiopathology/ HYPERTROPHY/ HYPOTHALAMUS, physiology/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ PRESSORECEPTORS, physiology/ RAT REVIEW/ *VASCULAR RESISTANCE/ VASCULAR RESISTANCE, drug effect VASOCONSTRICTOR AGENTS, pharmacodynamics/ VASODILATOR AG pharmacodynamics

1125. **Follénius E:** Intégration sélective du GABA H neurohypophyse du poisson téléostéen Gas aculeatus L. Etude autoradiographique.
C R Acad Sci [D] (Paris) 275:1435-8, 25 Sep
*AMINOBUTYRIC ACID, metabolism/ EXPERIMENTS/ AUTORADIOGRAPHY *FISHES, metabolism/ HISTOCYTOCHEMISTRY/ NERVE END NERVE TISSUE, metabolism/ PITUITA GLAND, innervation/ *PITUITARY GL metabolism/ TRITIUM

1126. **Follenius M, Bradenberger G:** Effets de musculaire sur les excrétions urinaires d' surrénaliennes chez l'homme normal.
Arch Sci Physiol (Paris) 26:315-24, 197
*ADRENAL CORTEX HORMONES, uri ADULT/ ALDOSTERONE, urine/ *CATECHOLAMINES, urine/ EPINEPH urine/ *EXERTION/ HUMAN/ HYDROCORTISONE, urine/ MALE/ NOREPINEPHRINE, urine/ POTASSIU urine/ SODIUM, urine/ STRESS

1127. **Foltzer C, Mialhe P:** Effect of epinephrine secretion in the rat. J Physiol (Paris) 64:58
ADRENAL GLANDS, drug effects/ *A GLANDS, physiology/ ADRENAL GLA secretion/ ADRENAL MEDULLA, phys ADRENALECTOMY/ ANIMAL EXPERI *BLOOD SUGAR/ *EPINEPHRINE, blo EPINEPHRINE, pharmacodynamics/ ET pharmacodynamics/ FLUOROMETRY/ GLUCOSE, pharmacodynamics/ *INSUL blood/ INSULIN, pharmacodynamics/ secretion/ MALE/ NOREPINEPHRINE, RADIOIMMUNOASSAY/ RATS/ REST

1128. **Fonberg E:** The normalizing effect of lateral lesions upon the dorsomedial amygdalar syn

dogs. Acta Neurobiol Exp (Warsz) 33:449-66, 1973
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *APPETITE DISORDERS/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ DOGS/ *FEEDING BEHAVIOR/ INHIBITION, NEURAL/ MALE/ VOMITING

Foncin JF, Billet R, Le Beau J: A propos des tumeurs hypophysaires extensives á sécrétion corticotrope (etude ultrastructurale.
Ann Endocrinol (Paris) 33:449-54, Jul-Aug 72 (Fre)
ADENOMA, complications/ ADENOMA, physiopathology/ ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, physiopathology/ *CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, pathology/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, physiopathology/ PITUITARY NEOPLASMS, surgery/ PROGNOSIS

Fontaine N: De l'action des hormones ovariennes et du lactose, seuls ou associés, sur les perturbations osseuses consécutives à l'ovariectomie.
J Physiol (Paris) 65:Suppi 3:408A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *BONE AND BONES, drug effects/ CASTRATION/ *ESTRONE, pharmacodynamics/ FEMALE/ *LACTOSE, pharmacodynamics/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ RATS

Fontana JA, Lovenberg W: Pineal protein kinase: effect of enzymic phosphorylation on actinomycin D binding by, and template activity of, chromatin.
Proc Natl Acad Sci USA 70:755-8, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ *CHROMATIN, metabolism/ *DACTINOMYCIN, metabolism/ HISTONES, metabolism/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ *PINEAL BODY, enzymology/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ TEMPLATES/ *TRANSCRIPTION, GENETIC/ TRITIUM

Fontanelle J: Sur un cas de lithiase rénale par adénome parathyroidien.
J Urol Nephrol (Paris) 19:292-3, Mar 73 (Fre)
*ADENOMA, complications/ ADULT/ FEMALE/ HUMAN/ *KIDNEY CALCULI, etiology/ *PARATHYROID NEOPLASMS, complications/ UROGRAPHY

Forbes IJ: The clinical use of immunosuppressive drugs. Med J Aust 1:749-52, 14 Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ARTHRITIS, RHEUMATOID, drug therapy/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CHLORAMBUCIL, adverse effects/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFECTION, etiology/ MALE/ METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ PREGNANCY/ PSORIASIS, drug therapy

Forest MG, Cathiard AM, Bertrand JA: Total and unbound testosterone levels in the newborn and in normal and hypogonadal children: use of a sensitive radioimmunoassay for testosterone.
J Clin Endocrinol Metab 36:1132-42, Jun 73
ABNORMALITIES, blood/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ METHODS/ PUBERTY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTIS, abnormalities/ *TESTOSTERONE, blood/ TRITIUM/ *TURNER'S SYNDROME, blood

1135. **Forest MG, Cathiard AM, Bertrand JA:** Evidence of testicular activity in early infancy.
J Clin Endocrinol Metab 37:148-51, Jul 73
BLOOD/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTOSTERONE, blood/ UMBILICAL CORD

1136. **Forrester RM:** Wiedemann-Beckwith syndrome.
Lancet 819:47, 7 Jul 73
*ABNORMALITIES, MULTIPLE/ *ADRENAL GLAND DISEASES/ CHILD/ FEMALE/ HUMAN/ *KIDNEY DISEASES/ MALE/ PEDIGREE/ SYNDROME/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ UMBILICUS, abnormalities

1137. **Forsling ML, Martin MJ, Sturdy JC, et al:** Observations on the release and clearance of neurophysin and the neurohypophysial hormones in the rat.
J Endocrinol 57:307-15, May 73
ANIMAL EXPERIMENTS/ ARGININE, blood/ BIOLOGICAL ASSAY/ CALCIUM CHLORIDE, pharmacodynamics/ CROSS REACTIONS/ HALF-LIFE/ HEMORRHAGE, blood/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ MALE/ *NEUROPHYSINS, blood/ *OXYTOCIN, blood/ RADIOIMMUNOASSAY/ RATS/ *VASOPRESSIN, blood

1138. **Förster W:** Prostaglandine und moderne Forschungsrichtungen in der Medizin.
Dtsch Gesundheitsw 28:385-90, 1 Mar 73 (125 ref.) (Ger)
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ CATS/ DOGS/ EVALUATION STUDIES/ EYE DISEASES, drug therapy/ FROGS/ GASTRIC JUICE, secretion/ GLAUCOMA, physiopathology/ GUINEA PIGS/ HAMSTERS/ HUMAN/ INFECTION, drug therapy/ INFECTION, physiopathology/ INTESTINAL DISEASES, drug therapy/ LUNG, physiology/ MICE/ PROSTAGLANDINS, physiology/ *PROSTAGLANDINS, therapeutic use/ RABBITS/ RATS/ *RESEARCH/ RESPIRATORY TRACT DISEASES, drug therapy/ REVIEW

1139. **Forsyth IA, Edwards CR:** Human prolactin, its isolation, assay and clinical applications.
Clin Endocrinol (Oxf) 1:293-314, Jul 72
ACROMEGALY, blood/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GROWTH/ HUMAN/ HYPOPITUITARISM, blood/ INFANT, NEWBORN/ LACTATION/ LACTATION DISORDERS, blood/ MALE/ PHENOTHIAZINES, adverse effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ PREGNANCY/ *PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, biosynthesis/ PROLACTIN, blood/ PROLACTIN, isolation & purification/ PROLACTIN, physiology/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ REPRODUCTION/ STRESS, blood

1140. **Foster JH, Dean RH, Pinkerton JA, et al:** Ten years experience with the surgical management of renovascular hypertension.
Ann Surg 177:755-66, Jun 73
ADOLESCENCE/ ADULT/ AGED/ ANGIOGRAPHY/ AORTA, ABDOMINAL, surgery/ ARTERIOSCLEROSIS, complications/ BLOOD VESSEL PROSTHESIS/ CHILD/ CHILD, PRESCHOOL/ ENDARTERECTOMY/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, radiography/ *HYPERTENSION, RENAL, surgery/ INFANT/ MALE/ MICROSURGERY/ MIDDLE AGE/ NEPHRECTOMY/ POLYETHYLENE TEREPHTHALATE/ POSTOPERATIVE COMPLICATIONS/ RENAL ARTERY, surgery/ RENAL ARTERY OBSTRUCTION, etiology/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*RENAL ARTERY OBSTRUCTION, surgery/ RENIN/ SAPHENOUS VEIN

1141. **Fourlinnie JC, Racadot A, Dessaint JP, et al:** Mesure de l'activité rénine plasmatique par le dosage radioimmunologique de l'angiotensine I. Etude critique de la méthode et résultats en fonction du sexe et de l'orthostatisme.
Lille Med 18:13-9, Jun 73 **(Fre)**
*ANGIOTENSIN, blood/ FEMALE/ HUMAN/ MALE/ POSTURE/ RADIOIMMUNOASSAY/ *RENIN, blood/ SEX FACTORS

1142. **Fournier A, Nakache JP, Saimon D, et al:** Traitement de l'hypertension artérielle essentielle par la spironolactone: son intérêt dans le dépistage des hyperaldostéronismes primaires et prédiction de son efficacité.
J Urol Nephrol (Paris) 78:1023-7, Dec 72 **(Fre)**
AGE FACTORS/ ALDOSTERONE, urine/ DIET THERAPY/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, urine/ *HYPERTENSION, drug therapy/ HYPERTENSION, urine/ 17-KETOSTEROIDS, urine/ POTASSIUM, blood/ SODIUM, blood/ SODIUM, therapeutic use/ *SPIRONOLACTONE, therapeutic use/ TIME FACTORS

1143. **Fournier A, Tunchott S, Bedrossian J, et al:** Effet de la binéphrectomie sur l'ostéodysrophie des hémodialyses chroniques.
J Urol Nephrol (Paris) 78:1001-3, Dec 72 **(Fre)**
ALKALINE PHOSPHATASE, analysis/ BIOPSY/ BONE AND BONES, analysis/ BONE AND BONES, enzymology/ BONE RESORPTION/ CALCIFICATION, PHYSIOLOGIC/ DIHYDROXYCHOLECALCIFEROLS, analysis/ HEMODIALYSIS, adverse effects/ HUMAN/ *NEPHRECTOMY/ OSTEOCLASTS, analysis/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, pathology

1144. **Fournier P, Dupuis Y, Digaud A, et al:** Relations quantitatives entre l'absorption calcique et les masses de calcium et de glucide non énergétique ingérés simultanément.
J Physiol (Paris) 65:Suppl 3:409A+, 1972 **(Fre)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *LACTOSE, metabolism/ RATS/ *XYLOSE, metabolism

1145. **Foussereau S, Philippe E:** Les produits d'avortement tardif. Fréquence des aberrations chromosomiques.
J Gynecol Obstet Biol Reprod (Paris) 1:651-6, Oct-Nov 72 **(Fre)**
ABNORMALITIES, MULTIPLE/ *ABORTION, familial & genetic/ ADOLESCENCE/ ADULT/ ANEUPLOIDY/ *CHROMOSOME ABNORMALITIES/ CHROMOSOMES, HUMAN, 13-15/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ PREGNANCY/ SEX CHROMOSOMES/ TIME FACTORS/ TRISOMY

1146. **Foxcroft GR, Hasnain H:** Effects of suckling and time to mating after purturition on reproduction in the domestic rabbit.
J Reprod Fertil 33:367-77, Jun 73
ANIMAL EXPERIMENTS/ *COITUS/ FALLOPIAN TUBES, anatomy & histology/ FEMALE/ FERTILIZATION/ GONADOTROPINS, PITUITARY, secretion/ GRAAFIAN FOLLICLE, growth & development/ *LACTATION/ MALE/ OVARY, anatomy & histology/ OVARY, physiology/ OVULATION/ *PUERPERIUM/ *RABBITS, physiology/ *REPRODUCTION/ SEX BEHAVIOR, ANIMAL/ TIME FACTORS/ UTERUS, anatomy & histology/ UTERUS, physiology

1147. **Fraley EE, Markland C, Kedia K:** Treatment of testicular tumors.
Minn Med 56:593-6, Jul 73
ADOLESCENCE/ ADULT/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM SEEDIN *NEOPLASMS, EMBRYONAL AND MIXED, therapy/ *TERATOID TUMOR, therapy/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, therapy

1148. **Franchimont P:** Hormone fragments, subunits polymers: are they biologically significant or chem artifacts?
Proc R Soc Med 66:446-7, May 7
FSH, metabolism/ GLYCOPROTEINS/ GONADOTROPINS, CHORIONIC, metabolism *HORMONES, metabolism/ HUMAN/ LH, metabolism/ PEPTIDES

1149. **Franchimont P, Gaspard U, Reuter A, et a** Polymorphism of protein and polypeptide hormo
Clin Endocrinol (Oxf) 1:315-36, Oct 72
BREAST NEOPLASMS, blood/ CERVIX NEOPLASMS, blood/ CHROMATOGRAPHY/ FEMALE/ FSH/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC/ HUMAN/ *INSULIN/ LH/ LUNG NEOPLASMS, blood MALE/ MENOPAUSE/ MYXEDEMA, blood/ OVARIAN NEOPLASMS, blood/ *PARATHYROID HORMONE/ *PITUITARY HORMONES, ANTERIOR/ PLACENTA, secretion/ PREGNANCY/ PROINSULIN/ PROSTATIC NEOPLASMS, blood/ THYROTROPIN

1150. **Francis MJ, Smith R, Macmillan DC:** Polym collagen of skin in normal sunjects and in pati with inherited connective tissue disorders.
Clin Sci 44:429-38, May 73
ACROMEGALY, metabolism/ ADOLESCENC ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *COLLAGEN, analysis/ *COLLAGEN DISEASES, familial & genetic FEMALE/ HEAT/ HEXOSAMINES, analysis HOMOCYSTINURIA, metabolism/ HUMAN/ HYPERPARATHYROIDISM, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MIDDL AGE/ MYOSITIS OSSIFICANS, metabolism/ OSTEITIS DEFORMANS, metabolism/ OSTEOGENESIS IMPERFECTA, metabolism OSTEOPETROSIS, metabolism/ PSEUDOXANTHOMA ELASTICUM, metabolism/ *SKIN, analysis/ TYROSINE, analysis/ WERNER'S SYNDROME, metaboli

1151. **Frandsen EK, Moody AJ:** Lipolytic action of a n isolated vasoactive intestinal polypeptide.
Horm Metab Res 5:196-9, May 73
ADENYL CYCLASE, metabolism/ *ADIPOS TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ CHROMATOGRAP THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCAGON, pharmacodynamics/ INTESTINES/ LIPIDS, metabolism/ MALE/ *PEPTIDES, pharmacodynamics/ RATS/ SECRETIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ THEOPHYLLINE pharmacodynamics

1152. **Franklin MR:** Piperonyl butoxide metabolism cytochrome P-450: factors affecting the formation disappearance of the metabolite-cytochrome complex.
Xenobiotica 2:517-27, Nov 72
S-ADENOSYLMETHIONINE, pharmacodynam ANIMAL EXPERIMENTS/ CYSTEAMINE, pharmacodynamics/ *CYTOCHROME P-450, metabolism/ *DIOXOLES, metabolism/ GLUCURONATES, pharmacodynamics/ HEXOBARBITAL, pharmacodynamics/ KINETICS/ MALE/ METYRAPONE, pharmacodynamics/ MICE/ MICROSOMES, LIVER, metabolism/ NAD, pharmacodynam NADP, metabolism/ NADP, pharmacodynam OXIDATION-REDUCTION/ *PESTICIDE SYNERGISTS, metabolism/ PIPERONYL BUTOXIDE, metabolism/ PROTEIN BINDI RATS/ SPECTROPHOTOMETRY/ URIDINE DIPHOSPHATE SUGARS, pharmacodynamic

1153. **Fraser LR, Dandekar PV:** The effects of aging vitro fertilization of rabbit eggs and subseq

embryonic development. J Exp Zool 184:303-12, Jun 73
ANIMAL EXPERIMENTS/ CULTURE MEDIA/ DIPLOIDY/ EMBRYO, transplantation/ EXTREMITIES, abnormalities/ FEMALE/ *FERTILIZATION/ FSH, pharmacodynamics/ GENES, RECESSIVE/ IN VITRO/ LH, pharmacodynamics/ MALE/ OVULATION, drug effects/ OVUM, cytology/ *OVUM, growth & development/ POLYPLOIDY/ PSEUDOPREGNANCY/ *RABBITS, embryology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

Freedman J: Anterior uveitis in Bantu children.
Br J Ophthalmol 57:355-8, May 73
ADOLESCENCE/ CATARACT, complications/ CATARACT EXTRACTION/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IRIS, surgery/ ISONIAZID, therapeutic use/ MALE/ NEGROES/ OPHTHALMIA, SYMPATHETIC, complications/ PREDNISOLONE, therapeutic use/ RETINAL DETACHMENT, complications/ SOUTH AFRICA/ UVEITIS, complications/ UVEITIS, drug therapy/ *UVEITIS, occurrence/ UVEITIS, surgery/ VISION DISORDERS, etiology/ VISUAL ACUITY

Freedman ML: New drugs in the treatment of sickle cell anemia. Am J Med Sci 265:371-3, May 73 (21 ref.)
*ANEMIA, SICKLE CELL, drug therapy/ CARBAMATES, therapeutic use/ CYANATES, therapeutic use/ HEMOGLOBINS, ABNORMAL, analysis/ HUMAN/ MEGESTROL, therapeutic use/ MOLECULAR CONFORMATION/ ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ PROGESTERONE, therapeutic use/ REVIEW/ TESTOSTERONE, therapeutic use/ UREA, therapeutic use

Freedman SH, Anderson NE: Spirometry and oral contraceptives.
Am J Obstet Gynecol 116:682-8, 1 Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY HEIGHT/ BODY WEIGHT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ LUNG, drug effects/ MIDDLE AGE/ PREGNANCY/ PROSPECTIVE STUDIES/ SMOKING/ *SPIROMETRY/ VITAL CAPACITY, drug effects

Freidmann N, Dambach G: Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats.
Biochim Biophys Acta 307:399-403, 11 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ DEXAMETHASONE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ *LIVER, metabolism/ MALE/ *MEMBRANE POTENTIALS, drug effects/ PERFUSION/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism/ TIME FACTORS

French FS, Ritzén EM: A high-affinity androgen-binding protein (ABP) in rat testis: evidence for secretion into efferent duct fluid and absorption by epididymis.
Endocrinology 93:88-95, Jul 73
ABSORPTION/ ANIMAL EXPERIMENTS/ BODY FLUIDS, physiology/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPIDIDYMIS, metabolism/ EPIDIDYMIS, physiology/ GEL FILTRATION/ LIGATION/ MALE/ PROTEIN BINDING/ *PROTEINS, metabolism/ RATS/ STANOLONE, metabolism/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM/ VAS DEFERENS, physiology

Frewin DB, Robinson SM, Willing RL: The use of a new mode of therapy in the management of orthostatic hypotension. Aust NZ J Med 3:180-3, Apr 73
ADULT/ CASE REPORT/ *CHEESE/ *DIET THERAPY/ FEMALE/ *FLUDROCORTISONE, therapeutic use/ HUMAN/ HYPOTENSION, ORTHOSTATIC, drug therapy/ *HYPOTENSION, ORTHOSTATIC, therapy/ *TRANYLCYPROMINE, therapeutic use

1160. **Frey LG, Winter JC:** Effects of p-acetyldeoxyephedrine on punished behavior in the rat.
Arch Int Pharmacodyn Ther 201:125-7, Jan 73
ACETIC ACIDS, administration & dosage/ ACETIC ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPHEDRINE, administration & dosage/ *EPHEDRINE, pharmacodynamics/ FEMALE/ HYDROXYTRYPTOPHAN, administration & dosage/ METHAMPHETAMINE, administration & dosage/ *METHAMPHETAMINE, pharmacodynamics/ *PUNISHMENT/ RATS/ SEROTONIN, metabolism

1161. **Frey T:** Optic neuritis in children infectious mononucleosis as an etiology.
Doc Ophthalmol 34:183-8, 21 Feb 73
CHILD/ FEMALE/ HUMAN/ *INFECTIOUS MONONUCLEOSIS, complications/ OPHTHALMOSCOPY/ OPTIC NEURITIS, drug therapy/ *OPTIC NEURITIS, etiology/ PREDNISOLONE, therapeutic use/ SCOTOMA, etiology/ VISUAL ACUITY

1162. **Frick V, Schindler AE:** Erste Ergebnisse einer Untersuchung der psychologischen, gynäkologischen und endokrinologischen Beziehungen bei sekundärer Amenorrhoe. Med Welt 23:1934-6, 16 Dec 72 (Ger)
AMENORRHEA, chemically induced/ *AMENORRHEA, etiology/ ANOREXIA NERVOSA, complications/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *GYNECOLOGIC DISEASES, complications/ HUMAN/ *NEUROSES, complications/ *PITUITARY DISEASES, complications/ QUESTIONNAIRES

1163. **Friday GA, Facktor MA, Bernstein RA, et al:** Cromolyn therapy for severe asthma in children.
J Pediatr 83:299-304, Aug 73
ADOLESCENCE/ ADULT/ *ASTHMA, drug therapy/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ DISODIUM CROMOGLYCATE, administration & dosage/ *DISODIUM CROMOGLYCATE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ PLACEBOS/ RESPIRATORY FUNCTION TESTS

1164. **Fried J, Lin CH:** Synthesis and biological effects of 13-dehydro derivatives of natural prostaglandin F 2 and E 2 and their 15-epi enantiomers.
J Med Chem 16:429-30, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ COLON, drug effects/ FEMALE/ FERTILITY, drug effects/ GERBILS/ HAMSTERS/ HUMAN/ IN VITRO/ LIPIDS, metabolism/ MICE/ MUSCLE CONTRACTION, drug effects/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ OVARY, metabolism/ OXIDOREDUCTASES, antagonists & inhibitors/ OXIDOREDUCTASES, metabolism/ PLACENTA, enzymology/ PREGNANCY/ *PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING, drug effects/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEREOISOMERS

1165. **Fried PA:** The septum and hyper-reactivity: a review.
Br J Psychol 64:267-75, May 73 (79 ref.)
AMPHETAMINE, pharmacodynamics/ AMYGDALOID BODY, physiology/ ANGER/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ CATS/

LIBRARY U. OF I., URBANA-CHAMPAIGN

CEREBRAL CORTEX, physiology/ CONDITIONING, OPERANT/ *EMOTIONS/ FEMALE/ GALVANIC SKIN RESPONSE/ GENETICS, BEHAVIORAL/ HAMSTERS/ HEART RATE/ MALE/ *MOTOR ACTIVITY/ RATS/ RETICULAR FORMATION, drug effects/ REVIEW/ *SEPTUM PELLUCIDUM, physiology/ SEPTUM PELLUCIDUM, physiopathology

1166. **Fried W:** Erythropoietin.
Arch Intern Med 131:929-38, Jun 73 (161 ref.)
ANDROGENS/ ANEMIA, drug therapy/ ANIMAL EXPERIMENTS/ *ERYTHROPOIESIS/ ERYTHROPOIETIN/ ERYTHROPOIETIN, biosynthesis/ ERYTHROPOIETIN, blood/ ERYTHROPOIETIN, isolation & purification/ ERYTHROPOIETIN, physiology/ ERYTHROPOIETIN, secretion/ ERYTHROPOIETIN, therapeutic use/ ERYTHROPOIETIN, urine/ HUMAN/ KIDNEY, physiology/ KIDNEY, secretion/ RABBITS/ RATS/ REVIEW

1167. **Friedman EA, Ueno A, Beyr MM, et al:** Combination drug treatment in immunosuppression. Effect of azathioprine, cyclophosphamide, and methylprednisolone on rabbit renal allografts.
Transplantation 15:619-23, Jun 73
ANIMAL EXPERIMENTS/ *AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, pharmacodynamics/ BLOOD UREA NITROGEN/ CELL COUNT/ CREATININE, blood/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ GRAFT REJECTION, drug effects/ HEMATOCRIT/ *IMMUNOSUPPRESSION/ KIDNEY, pathology/ *KIDNEY, transplantation/ LEUKOCYTES, immunology/ *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, pharmacodynamics/ RABBITS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY, drug effects

1168. **Friedman S:** Clinical uses of multiple serum FSH and LH measurements in patients with amenorrhea and infertility. Obstet Gynecol 41:809-17, Jun 73
ADULT/ *AMENORRHEA, blood/ AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ BODY TEMPERATURE/ CLOMIPHENE, therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FERTILIZATION, drug effects/ *FSH, blood/ HIRSUTISM, blood/ HUMAN/ HYPOTHALAMUS, metabolism/ LACTATION DISORDERS, blood/ *LH, blood/ MENOTROPINS, therapeutic use/ OVULATION, drug effects/ PROGNOSIS/ RADIOIMMUNOASSAY/ STEIN-LEVENTHAL SYNDROME, blood/ *STERILITY, FEMALE, blood

1169. **Friedrich F:** LH Releasing-Faktor.
Hippokrates 44:115-6, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ FEMALE/ *FSH, physiology/ HUMAN/ *LH, physiology/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ PREGNANCY/ SWINE

1170. **Friedrich F, Golob E:** Die postpartale kontinuierliche Verabreichung von Ethinodioldiazetat als Kontrazeptivum.
Geburtshilfe Frauenheilkd 33:310-4, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ CORPUS LUTEUM, drug effects/ ENGLISH ABSTRACT/ *ETHYNODIOL DIACETATE, administration & dosage/ ETHYNODIOL DIACETATE, adverse effects/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ FOLLOW-UP STUDIES/ HEMORRHAGE, POSTPARTUM, chemically induced/ HUMAN/ MENSTRUATION DISORDERS, chemically induced/ OVULATION, drug effects/ PREGNANEDIOL, urine/ *PUERPERIUM

1171. **Friedrich P:** Hyperkalzämie als Komplikation bei der Hormonbehandlung des metastierenden Mama-Karzinoms und Hormonaktivität von Tumo
Roentgenblaetter 26:80-5, Feb 73 (
BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, metabolism/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ ERYTHROPOIETIN, secretion/ *ESTRADIOL, adverse effects/ FEMALE/ GASTRIN, secretion/ GONADOTROPINS, CHORIONIC, secretion/ *HORMONES, ECTOPIC/ HUMAN/ HYDROXYTRYPTOPH secretion/ *HYPERKALEMIA, chemically induced/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *PARATHYROID HORMONE, biosynthesis/ *PROGESTERONE, adverse effects/ THYROCALCITONIN, secretion

1172. **Fries JF, Sharp GC, McDevitt HO, et al:** Cyclophosphamide therapy in systemic lupu erythematosus and polymyositis.
Arthritis Rheum 16:154-62, Mar-Apr 73
ADOLESCENCE/ ALDOLASE, analysis/ ARTHRITIS, complications/ ASPARTATE AMINOTRANSFERASE, blood/ BIOPSY/ COMPARATIVE STUDY/ CREATININE, bl CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ *CYCLOPHOSPHAMIDE, therapeut use/ FEMALE/ FEVER/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug ther LUPUS ERYTHEMATOSUS, SYSTEMIC, enzymology/ *MYOSITIS, drug therapy/ MYOSITIS, enzymology/ OVARY, patholog PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISO therapeutic use/ PROTEINURIA/ SKIN, pathology/ URINE, analysis

1173. **Friesen H, Hwang P:** Human prolactin.
Annu Rev Med 24:251-70, 1973 (89 ref.)
AGE FACTORS/ AMINO ACID SEQUENC ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATECHOLAMINES, pharmacodynamics/ DOPA, pharmacodynam ERGOT ALKALOIDS, pharmacodynamics/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ INFANT, NEWBORN/ MAMMAR NEOPLASMS, EXPERIMENTAL, chemicall induced/ MENOPAUSE/ PHENOTHIAZINE pharmacodynamics/ PITUITARY GLAND/ PREGNANCY/ *PROLACTIN, analysis/ PROLACTIN, pharmacodynamics/ PROLAC physiology/ PROLACTIN, secretion/ PUBERTY/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ RATS/ REVIEW

1174. **Froelicher VF Jr, Lancaster MC:** Prevention atherosclerotic diseases--opportunities for m medicine. Aerosp Med 44:542-8, May 73
AORTOCORONARY BYPASS/ *ARTERIOSCLEROSIS, prevention & cont CHOLESTEROL, DIETARY, adverse effec *CORONARY DISEASE, etiology/ DIET THERAPY/ EDUCATION/ GENETICS, HUMAN/ HUMAN/ *HYPERCHOLESTERE complications/ *HYPERTENSION, complications/ HYPOTHYROIDISM, complications/ MASS SCREENING/ *MILITARY MEDICINE/ OBESITY/ PHYS FITNESS/ *SMOKING, complications/ ST complications/ UNITED STATES

1175. **Frohlich ED:** Clinical significance of hemody findings in hypertension. Chest 64:94-9, Jul 73 (3
ANGIOTENSIN, blood/ BLOOD PRESSUR BLOOD VISCOSITY/ BLOOD VOLUME/ CARDIAC OUTPUT/ DIURETICS, therap use/ HEART ENLARGEMENT, etiology/ HEART ENLARGEMENT, physiopathology HEART RATE/ *HEMODYNAMICS/ HUM HYPERTENSION, complications/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, physiopatholog PROPRANOLOL, therapeutic use/ RECEPTORS, ADRENERGIC/ RENIN, blo REVIEW

. **Frohman LA, Muller EE, Cocchi D:** Central nervous system mediated inhibition of insulin secretion due to 2-deoxyglucose. Horm Metab Res 5:21-6, Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ARGININE, pharmacodynamics/ CENTRAL NERVOUS SYSTEM, drug effects/ *CENTRAL NERVOUS SYSTEM, physiology/ CEREBRAL VENTRICLES/ FEMALE/ GLUCOSE/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ HYPERGLYCEMIA, chemically induced/ *INSULIN, blood/ INSULIN, secretion/ ISLANDS OF LANGERHANS, innervation/ ISLANDS OF LANGERHANS, physiology/ ISLANDS OF LANGERHANS, secretion/ PERIPHERAL NERVES, drug effects/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS

Frohman LA, Stachura ME: Evidence for possible precursors in the synthesis of growth hormone by rat and human fetal anterior pituitary in vitro. Mt Sinai J Med NY 40:414-21, May-Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FETUS/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IN VITRO/ MALE/ MONKEYS, immunology/ *PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, biosynthesis/ TRITIUM

Frolova IA: Vitamin B6 i metabolizm lipidov (obzor literatury.
Vopr Med Khim 18:339-46, Jul-Aug 72 (89 ref.) (Rus)
AMINES, metabolism/ ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, drug therapy/ ARTERIOSCLEROSIS, enzymology/ ARTERIOSCLEROSIS, metabolism/ CHOLESTEROL, biosynthesis/ CHOLESTEROL, metabolism/ COENZYME A, metabolism/ CORONARY DISEASE, metabolism/ ENDOCRINE DISEASES, metabolism/ FATTY ACIDS, biosynthesis/ FATTY ACIDS, metabolism/ FATTY LIVER, metabolism/ HUMAN/ HYPERCHOLESTEREMIA, drug therapy/ HYPERCHOLESTEREMIA, etiology/ HYPERCHOLESTEREMIA, metabolism/ *LIPIDS, metabolism/ LIPOPROTEIN LIPASE, blood/ LIPOPROTEINS, metabolism/ LIVER, enzymology/ LIVER, metabolism/ PHOSPHOLIPIDS, metabolism/ PYRIDOXAL PHOSPHATE, metabolism/ PYRIDOXAMINE, metabolism/ *PYRIDOXINE, metabolism/ PYRIDOXINE, pharmacodynamics/ PYRIDOXINE, therapeutic use/ PYRIDOXINE DEFICIENCY, complications/ PYRIDOXINE DEFICIENCY, metabolism/ RABBITS/ RATS/ REVIEW

Frost P: Ichthyosiform dermatoses.
J Invest Dermatol 60:541-52, Jun 73 (29 ref.)
ADULT/ CELL DIVISION/ EYE DISEASES, complications/ FEMALE/ GENES, DOMINANT/ HUMAN/ *ICHTHYOSIS/ ICHTHYOSIS, complications/ ICHTHYOSIS, drug therapy/ ICHTHYOSIS, familial & genetic/ ICHTHYOSIS, metabolism/ ICHTHYOSIS, pathology/ INFANT, NEWBORN/ KERATOSIS FOLLICULARIS, drug therapy/ KERATOSIS FOLLICULARIS, familial & genetic/ KERATOSIS FOLLICULARIS, metabolism/ KERATOSIS FOLLICULARIS, pathology/ LIPIDS, biosynthesis/ MALE/ PEDIGREE/ REVIEW/ SEX CHROMOSOMES/ SKIN, metabolism/ SKIN, pathology

Frowein J: Effect of human chorionic gonadotrophin on testicular 5 -adnrostane-3 -hydroxysteroid dehydrogenase, 3 -hydroxydehydroepiandrosterone dehydrogenase and alcohol dehydrogenase of immature rats. J Endocrinol 57:437-49, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ALCOHOL OXIDOREDUCTASES, metabolism/ ANDROSTANES/ ANIMAL EXPERIMENTS/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ LEYDIG CELLS/ MALE/ RATS/ TESTIS, drug effects/ *TESTIS, enzymology/ THEOPHYLLINE, pharmacodynamics

1181. **Fuenmayor L, Lentino A:** Effect of 10 undecen 1-YL thiopseudourea iodide (AHR-1911) on rat arterial pressure and capillary permeability.
Proc Soc Exp Biol Med 143:568-71, Jun 73
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ATROPINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ *CAPILLARY PERMEABILITY, drug effects/ CHLORPHENIRAMINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ MALE/ ONIUM COMPOUNDS, pharmacodynamics/ POLYMYXIN, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *THIOUREA, pharmacodynamics/ UNDECYLENIC ACID, pharmacodynamics

1182. **Fujii J, Kuramochi M, Seki A, et al:** Effect of sodium intake on hypertensive vascular lesions in rabbits.
Jap Heart J 14:45-52, Jan 73
ANIMAL EXPERIMENTS/ ARTERIES, pathology/ BLOOD PRESSURE, drug effects/ CORONARY VESSELS/ *DIET/ *HYPERTENSION, RENAL, chemically induced/ HYPERTENSION, RENAL, complications/ KIDNEY GLOMERULUS, pathology/ MALE/ RABBITS/ RENIN, metabolism/ SODIUM, metabolism/ *SODIUM CHLORIDE/ STOMACH, blood supply/ *VASCULAR DISEASES, etiology/ VASCULAR DISEASES, pathology

1183. **Fujimori M:** 2 ,3 - Epithio-5 -androstan-17 -ol in the treatment of advanced breast cancer.
Cancer 31:789-92, Apr 73
ANDROSTANES, administration & dosage/ *ANDROSTANES, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ ESTROGENS, antagonists & inhibitors/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ REMISSION/ SULFIDES, administration & dosage/ SULFIDES, therapeutic use/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use/ TIME FACTORS

1184. **Fujimura R:** [Nursing of patients with myxedema due to primary hypothyroidism]
Jap J Nurs Art 19:99-107, May 73 (Jap)
HYPOTHYROIDISM, nursing/ MYXEDEMA, nursing/ SPECIAL LIST NURSING

1185. **Fujita T:** [Parathyroid hormone and calcitonin]
Clin Endocrinol (Tokyo) 21:13-7, Jan 73 (Jap)
AGED/ *AGING/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HUMAN/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, physiology/ RADIOIMMUNOASSAY/ RATS/ *THYROCALCITONIN, physiology

1186. **Fujita T:** [Clinical description of hyperparathyroidism]
Jap J Nurs Art 19:53-60, May 73 (Jap)
HYPERPARATHYROIDISM/ SPECIAL LIST NURSING

1187. **Fujita T, Okano K:** [Organ culture of the parathyroid gland]
Folia Endocrinol Jap 49:707-15, 20 Apr 73 (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES/ CALCIUM/ CHROMATOGRAPHY/ CULTURE MEDIA/ ENGLISH ABSTRACT/ GEL FILTRATION/ GUINEA PIGS, immunology/ MAGNESIUM/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *ORGAN CULTURE/ *PARATHYROID GLANDS, secretion/

LIBRARY U. OF L. URBANA-CHAMPAIGN

*PARATHYROID HORMONE, secretion/ PILOCARPINE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

1188. **Fuller RW, Snoddy HD, Roush BW, et al:** Elevation of hepatic tyrosine 2-oxoglutarate aminotransferase in rats by 4-pentynoic acid, a hypoglycemic agent. Experientia 29:277-8, 15 Mar 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIDIABETICS, pharmacodynamics/ BLOOD SUGAR/ CORTICOSTERONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ *LIVER, enzymology/ LIVER GLYCOGEN, analysis/ MALE/ RATS/ *TYROSINE AMINOTRANSFERASE, biosynthesis

1189. **Funao T, Terayama Y, Kudo S, et al:** [Fractionation of 17-KS and measurement of pregnanediol and pregnanetriol by gas chromatography] Clin Endocrinol (Tokyo) 20:1007-13, Nov 72 (Jap)
*CHROMATOGRAPHY, GAS/ HUMAN/ *17-KETOSTEROIDS, urine/ METHODS/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ UROLOGIC DISEASES, urine

1190. **Funch RB, MacMoran JW, Parker JA, et al:** Radiology of the skull and central nervous system. Prog Neurol Psychiatry 27:183-98, 1972 (71 ref.)
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ *BRAIN DISEASES, radiography/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, radiotherapy/ CEPHALOMETRY/ CEREBRAL ANGIOGRAPHY/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, COMPUTER ASSISTED/ HUMAN/ HYDROCEPHALUS, diagnosis/ MYELOGRAPHY/ PNEUMOENCEPHALOGRAPHY/ RADIOISOTOPE SCANNING/ REVIEW/ SKULL, radiography/ *SPINAL CORD DISEASES, radiography/ TOMOGRAPHY, RADIOGRAPHIC/ ULTRASONICS, diagnostic use

1191. **Funk JD, Donaldson EM, Dye HM:** Induction of precocious sexual development in female pink salmon (Oncorhynchus gorbuscha). Can J Zool 51:493-500, May 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GONADOTROPINS, PITUITARY, pharmacodynamics/ OVARY, drug effects/ *OVARY, growth & development/ *SALMONIDAE, physiology

1192. **Fuse J:** [Effect of dexamethasone on the bacteria co-existing with the cultured cells] Odontology (Tokyo) 61:165-75, Apr 73 (Jap)
BACTERIA, drug effects/ CELLS, CULTURED/ DEXAMETHASONE, pharmacodynamics/ SPECIAL LIST DENTAL

1193. **Fuxe K, Hökfelt T, Sundstedt CD, et al:** Amine turnover changes in the tubero-infundibular dopamine (DA) neurons in immature rats injected with PMS. Neuroendocrinology 10:282-300, 1972
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ *DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FLUOROMETRY/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, drug effects/ METHYLTYROSINES, pharmacodynamics/ *NEURONS, metabolism/ *OVULATION, drug effects/ PROPIONATES/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ TESTOSTERONE, pharmacodynamics/ TYROSINE HYDROXYLASE, antagonists & inhibitors

1194. **Fyrö B, Petterson U, Sedvall G:** Time course for the effect of lithium on thyroid function in men and women. Acta Psychiatr Scand 49:230-6, 1973
ADULT/ AGED/ FEMALE/ HUMAN/ IODINE ISOTOPES/ LITHIUM, blood/ *LITHIUM, pharmacodynamics/ LITHIUM, therapeutic use/ MALE/ MIDDLE AGE/ PLACEBOS/ PROTEIN-BOUND IODINE TEST/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ SEX FACTORS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROXINE-BINDING PROTEIN/ TIME FACTORS

1195. **Fyrö B, Petterson U, Sedvall G:** Pharmacokinetic lithium in manic-depressive patients. Acta Psychiatr Scand 49:237-47, 1973
ADULT/ AGED/ BODY WEIGHT/ CREATININE, blood/ CREATININE, urine/ FEMALE/ HUMAN/ KIDNEY, metabolism/ LITHIUM, administration & dosage/ LITHIUM, blood/ LITHIUM, metabolism/ LITHIUM, therapeutic use/ LITHIUM, urin MALE/ MIDDLE AGE/ *PSYCHOSES, MANIC-DEPRESSIVE, blood/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ PSYCHOSES, MANIC-DEPRESSIVE, urine/ THYROID GLAND, drug effects

G

1196. **Gaál K, Forgács I, Sallay P:** Effect of intrare infused ATP on renal function. Acta Physiol Acad Sci Hung 41:213-9, 197
ADENOSINE TRIPHOSPHATE, administrati & dosage/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENT DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *HEMODYNAMICS, drug effects/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY FUNCTION TESTS/ MALE/ REGIONAL BLOOD FLOW, drug effects/ *RENIN, secretion/ SECRETORY RATE, drug effects/ SODIUM, blood

1197. **Gabaeva NS, Ermolina NO:** Ob izmeneniiakh follikuliarnogo epitelila i formirovanii laitse obolochek v khode oogeneza morkogo som Arkh Anat Gistol Embriol 63:97-106, Aug 72
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *FISHES, anatomy & histolog FISHES, growth & development/ GRAAFI FOLLICLE, cytology/ *GRAAFIAN FOLLI growth & development/ GRAAFIAN FOLLICLE, metabolism/ HUMAN/ *OVUM, cytology/ POLYSACCHARIDES, metabolism

1198. **Gabovich RD, Mikhaliuk IA, Motuzkov IN, e** Vliianie razlichnykh urovnei ul'trafioletovog obluchenila na deponirovanie svintsa v organ Gig Tr Prof Zabol 17:9-12, Mar 73
ANIMAL EXPERIMENTS/ BONE AND BO analysis/ ENGLISH ABSTRACT/ FECES, analysis/ *LEAD, metabolism/ LEAD, urin MALE/ RATS/ SPECTROPHOTOMETRY/ *ULTRAVIOLET RAYS, adverse effects

1199. **Gabrys BF, Nyhus LM, Van Meter SW, et al:** The e of aminophylline on pentagastrin-induced g secretion in the dog. Am J Dig Dis 18:563-6, J
ADENOSINE CYCLIC 3',5' MONOPHOSPHA analysis/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMEN DOGS/ DRUG SYNERGISM/ GASTRIC ACIDITY DETERMINATION/ GASTRIC FISTULA, physiopathology/ *GASTRIC JU secretion/ GASTRIC MUCOSA, analysis/ GASTRIC MUCOSA, drug effects/ GASTR MUCOSA, secretion/ *PENTAGASTRIN, pharmacodynamics/ XANTHINES, pharmacodynamics

1200. **Gacs G, Kun E, Czirbesz Z:** Growth hormone secr in children during corticosteroid treatmen Responses to arginine. Horm Metab Res 5:106-8, Mar 73
ADOLESCENCE/ *ARGININE, pharmacodynamics/ ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, drug therapy/ BLOOD SU analysis/ CHILD/ CHILD, PRESCHOOL/ HEPATITIS, blood/ HEPATITIS, drug the HUMAN/ NEPHROSIS, blood/ NEPHROSIS drug therapy/ PREDNISOLONE, therapeut use/ *PREDNISOLONE, therapeutic use/

RHEUMATIC FEVER, blood/ RHEUMATIC FEVER, drug therapy/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ TIME FACTORS

Gadaleta MN, Barletta A, Caldarazzo M, et al: Triiodothyronine action on RNA synthesis in rat-liver mitochondria. Eur J Biochem 30:376-81, Oct 72
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ DNA, isolation & purification/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ NUCLEIC ACID HYBRIDIZATION/ RATS/ RIBONUCLEASE, metabolism/ RNA/ *RNA, biosynthesis/ RNA, isolation & purification/ RNA POLYMERASE, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ TRANSCRIPTION, GENETIC/ *TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM/ URACIL NUCLEOTIDES

Gagne R, Vagner-Capodano AM, Devictor-Vuillet M: Intérêt de la localisation de l'hétérochromatine pour l'identification des chromosomes méiotiques à la diacinèse chez l'homme.
C R Acad Sci [D] (Paris) 676:769-71, 29 Jan 73 (Fre)
CYTOGENETICS/ CYTOLOGICAL TECHNICS/ *HETEROCHROMATIN/ HUMAN/ *MEIOSIS/ METHODS/ STAINS AND STAINING/ TESTIS, cytology

Gaillard JA: Synopsis sur les dysembryomes immatures.
Ann Anat Pathol (Paris) 17:487-500, Oct-Dec 72 (Fre)
AMNION, pathology/ DISGERMINOMA, diagnosis/ DYSEMBRYOMA, classification/ DYSEMBRYOMA, diagnosis/ *DYSEMBRYOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ FETAL MEMBRANES, pathology/ HUMAN/ PREGNANCY/ TERATOID TUMOR, diagnosis/ TESTICULAR NEOPLASMS, diagnosis/ VITELLINE DUCTS, pathology

Gajdos A, Gajdos-Török M: Porphyrie cutanée tardive révélée par administration d'oestrogènes. Effet thérapeutique de l'A.M.
Nouv Presse Med 2:1131-3, 28 Apr 73 (Fre)
ADENOSINE MONOPHOSPHATE, therapeutic use/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ *ESTROGENS, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ NORGESTREL, adverse effects/ *PORPHYRIA/ PORPHYRIA, diagnosis/ PORPHYRIA, drug therapy

Gala RR, Lawson DM: The influence of electrical stimulation of the rat brain on serum prolactin levels.
Experientia 29:355-6, 15 Mar 73
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, physiology/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ FEMALE/ *HYPOTHALAMUS, physiology/ *PROLACTIN, blood/ RATS

Galabov A, Shindarov L, Vassilev G, et al: Inhibitory effect of N-phenyl-N'-aryl or alkylthiourea derivatives on the multiplication of some picornaviruses (Coxsackie B 1, ECHO 19, and foot-and-mouth disease virus) in cell cultures.
Arch Gesamte Virusforsch 38:159-66, 1972
AMNION/ *ANTIVIRAL AGENTS/ CATTLE/ CELL LINE/ CHEMISTRY/ COMPARATIVE STUDY/ COXSACKIE VIRUSES, drug effects/ *COXSACKIE VIRUSES, growth & development/ ECHO VIRUSES, drug effects/ *ECHO VIRUSES, growth & development/ FOOT-AND-MOUTH DISEASE VIRUS, drug effects/ *FOOT-AND-MOUTH DISEASE VIRUS, growth & development/ HUMAN/ KIDNEY/ PLAQUE ASSAY/ *THIOUREA, pharmacodynamics/ TISSUE CULTURE/ VIRUS CULTIVATION/ *VIRUS REPLICATION, drug effects

Galan E, Sodovec V: Beitrag zur Wegenerschen Granulomatose.
Dtsch Zahnaerztl Z 28:438-42, Mar 73 (Ger)
BIOPSY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *ORAL MANIFESTATIONS/ PREDNISONE, therapeutic use/ *WEGENER'S GRANULOMATOSIS, complications/ WEGENER'S GRANULOMATOSIS, diagnosis/ WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, pathology

1208. **Galante J, Rostoker W:** Fiber metal composites in the fixation of skeletal prosthesis.
J Biomed Mater Res 7:43-61, 1973
ANIMAL EXPERIMENTS/ BABOONS/ BIOPHYSICS/ BONE AND BONES, metabolism/ BONE AND BONES, surgery/ *BONE REGENERATION/ CHROMIUM-COBALT ALLOYS/ CORROSION/ DOGS/ FEMUR, growth & development/ FEMUR, metabolism/ FEMUR, surgery/ *METALS/ MICRORADIOGRAPHY/ *PROSTHESIS/ PROSTHESIS, adverse effects/ RABBITS/ STRESS, MECHANICAL/ *TISSUE ADHESIVES/ TITANIUM

1209. **Galante L, Joplin GF, MacIntyre I, et al:** The calcium lowering effect of synthetic human, porcine, and salmon calcitonin in patients with Paget's disease.
Clin Sci 44:605-10, Jun 73
AGED/ *CALCIUM, blood/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, blood/ OSTEITIS DEFORMANS, drug therapy/ PHOTOMETRY/ SALMON/ SWINE/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, therapeutic use

1210. **Galef BG Jr, Sherry DF:** Mother's milk: a medium for transmission of cues reflecting the flavor of mother's diet. J Comp Physiol Psychol 83:374-8, Jun 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ ANIMALS, NEWBORN/ AVOIDANCE LEARNING/ CUES/ *DIET/ EATING/ *FEEDING BEHAVIOR/ FEMALE/ FOOD PREFERENCES/ LACTATION/ *MILK/ RATS/ *TASTE/ WEANING

1211. **Gallagher JC, Young MM, Nordin BE:** Effects of artificial menopause on plasma and urine calcium and phosphate. Clin Endocrinol (Oxf) 1:57-64, Jan 72
ADULT/ AUTOANALYSIS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ *CASTRATION/ CREATININE, blood/ CREATININE, urine/ FEMALE/ HUMAN/ *HYSTERECTOMY/ MIDDLE AGE/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine

1212. **Gallagher TF, Yoshida K, Roffwarg HD, et al:** ACTH and cortisol secretory patterns in man.
J Clin Endocrinol Metab 36:1058-68, Jun 73
ADULT/ BINDING, COMPETITIVE/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ SECRETORY RATE/ TIME FACTORS

1213. **Galletti F, Gardi R:** Effect of ovarian hormones and synthetic progestins on vaginal sialic acid in the rat.
J Endocrinol 57:193-8, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ MUCIN, analysis/ *NEURAMINIC ACIDS, analysis/ NORETHINDRONE, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ QUINGESTANOL, pharmacodynamics/ RATS/ *VAGINA, analysis/ VAGINA, drug effects/ VAGINAL SMEARS

1214. **Gambarian LS, Koval' IN:** Gippokamp.
Usp Fiziol Nauk 3:21-51, Jan-Mar 72 (271 ref.) (Rus)
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CATS/ CONDITIONING, CLASSICAL/ ELECTROPHYSIOLOGY/ EMOTIONS/ *HIPPOCAMPUS/ HIPPOCAMPUS,

LIBRARY U. OF I., URBANA-CHAMPAIGN

anatomy & histology/ HIPPOCAMPUS, cytology/ HIPPOCAMPUS, embryology/ HIPPOCAMPUS, physiology/ HIPPOCAMPUS, physiopathology/ HUMAN/ MEMORY/ MICROSCOPY, ELECTRON/ MONKEYS/ MOTIVATION/ NEURONS, AFFERENT, cytology/ NEURONS, AFFERENT, physiology/ NEURONS, EFFERENT, cytology/ NEURONS, EFFERENT, physiology/ PITUITARY GLAND, secretion/ RABBITS/ RATS/ REVIEW

1215. **Gandina IA, Kiril'tseva EI, Bentsman AM:** O proliferiruiushchem papillomatoze iaichnikov. Arkh Patol 35:28-31, 1973 **(Rus)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MESOTHELIOMA, pathology/ MICROSCOPY/ NEOPLASM METASTASIS, pathology/ OMENTUM/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ *PAPILLOMA, pathology/ PAPILLOMA, surgery

1216. **Gandolfi O, Barbaro AM, Biagi GL:** Relationship between R m values and protein binding of corticosteroids and androgens. Experientia 29:689, 15 Jun 73
ADRENAL CORTEX HORMONES/ *ADRENAL CORTEX HORMONES, metabolism/ ALBUMINS, metabolism/ ANDROGENS/ *ANDROGENS, metabolism/ ANDROSTENES, metabolism/ ANDROSTERONE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, metabolism/ CORTISONE, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROCORTISONE, metabolism/ PREDNISOLONE, metabolism/ PROTEIN BINDING

1217. **Gans SL, Berci G:** Peritoneoscopy in infants and children. J Pediatr Surg 8:399-405, Jun 73
ADOLESCENCE/ ASCITES, diagnosis/ BILIARY TRACT, abnormalities/ CARBON DIOXIDE, diagnostic use/ CHILD/ CHILD, PRESCHOOL/ FOREIGN BODIES, surgery/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis/ LIVER DISEASES, diagnosis/ METHODS/ *PERITONEOSCOPY/ PERITONEOSCOPY, instrumentation/ PNEUMOPERITONEUM, ARTIFICIAL, instrumentation/ SEX DIFFERENTIATION DISORDERS, diagnosis

1218. **Ganten D, Ganten U, Granger P, et al:** Renin in heart muscle and arterial tissue. Verh Dtsch Ges Kreislaufforsch 38:268-72, 1972
ALDOSTERONE/ ANIMAL EXPERIMENTS/ AORTA, metabolism/ *ARTERIES, metabolism/ DOGS/ LIGATION/ MALE/ MESENTERIC ARTERIES, metabolism/ *MYOCARDIUM, metabolism/ NEPHRECTOMY/ PROGESTERONE/ RATS/ *RENIN, metabolism/ SHEEP

1219. **Garbarg M, Krishnamoorthy MS, Feger J, et al:** Effects of mesencephalic and hypothalamic lesions on histamine levels in rat brain. Brain Res 50:361-7, 28 Feb 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ FLUOROMETRY/ *HISTAMINE, metabolism/ *HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, metabolism/ *MESENCEPHALON, physiology/ METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, metabolism/ PONS, metabolism/ RATS/ SEROTONIN, metabolism

1220. **Garbers D, First NL, Lardy HA:** The stimulation of bovine epididymal sperm metabolism by cyclic nucleotide phosphodiesterase inhibitors. Biol Reprod 8:589-98, Jun 73
ADENINE NUCLEOTIDES, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ CATTLE/ CELLS, CULTURED/ ENZYME REPRESSION/ *EPIDIDYMIS, metabolism/ FRUCTOSE/ GLUCOSE, metabolism/ LACTATES, metabolism/ MALE/ MITOCHONDRIA, enzymology/ OXYGEN CONSUMPTION, dr effects/ *PHOSPHODIESTERASES, antagon & inhibitors/ PHOSPHODIESTERASES, metabolism/ PYRUVATES, metabolism/ *SPERMATOZOA, drug effects

1221. **Garbers DL, First NL, Gorman SK, et al:** The effec cyclic nucleotide phosphodiesterase inhibitor ejaculated porcine spermatozoan metabolism Biol Reprod 8:599-606, Jun 73
ADENINE NUCLEOTIDES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPH metabolism/ ADENOSINE TRIPHOSPHATE metabolism/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FERTILITY, drug effects/ FRUCTOSE, metabolism/ LACTATES, metabolism/ MA MITOCHONDRIA, enzymology/ OXYGEN CONSUMPTION, drug effects/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PYRUVATES, metabolism/ SPERMATOZOA, drug effects/ SPERMATOZOA, enzymology/ SPERMATOZOA, metabolism/ SWINE

1222. **Garbuliński T, Dębowy J, Dynarowicz J:** "Choli link" in the influence of exogenous catecholamin ATP and phosphocreatine in the heart. Acta Physiol Pol 24:243-51, Jan-Feb 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, metabolism ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIME ATROPINE, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ DEPRESSION, CHEMICAL/ HEXAMETHO COMPOUNDS, pharmacodynamics/ MALE/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHATES, metabolism/ *PHOSPHOCREATINE, analysis/ RATS/ RECEPTORS, DRUG/ RESERPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ VAGOTOMY/ VAGUS NERV physiology

1223. **Garcia LE, Meier AH:** Daily rhythms in concentra plasma cortisol in male and female gulf ki Fundulus grandis. Biol Bull 144:471-9, Jun
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ FEMALE/ *FISHES, metabolis GONADS, anatomy & histology/ *HYDROCORTISONE, blood/ MALE/ ORG WEIGHT/ PROTEIN BINDING/ SEX FACTORS

1224. **García Gutiérrez D, Rodríguez Burgos F:** Silla vacía. Rev Clin Esp 129:299-302, 15 May 73
ADULT/ FEMALE/ HUMAN/ MIDDLE A *PITUITARY DISEASES, radiography/ *PITUITARY NEOPLASMS, radiography/ *SELLA TURCICA

1225. **Gardey-Levassort C, Olive G, Sadeghi D, et al:** Ac probenecid on the central nervous system rabbit. I. Effects on the elimination of 5-hydroxyindoleacetic acid. Pharmacology 9:107-14, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BRAIN STEM, analysis/ *CENTRAL NERVOUS SYSTEM effects/ CEREBRAL CORTEX, analysis/ P-CHLOROPHENYLALANINE, pharmacodynamics/ HYDROXYINDOLEAC ACID, analysis/ HYDROXYTRYPTOPHAN pharmacodynamics/ HYPOTHALAMUS, analysis/ MALE/ *PROBENECID, pharmacodynamics/ RABBITS/ SEROTON analysis/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, cerebrospinal fluid/ *SEROTONIN, metab SEROTONIN, pharmacodynamics

1226. **Garg BD, Kovacs K, Tuchweber B:** Hepa ultrastructural changes in rats bearing intra

ovarian autografts. Anat Anz 133:171-9, 1973
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ *LIVER, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER/ *OVARY, transplantation/ RATS/ SPLEEN, surgery/ TRANSPLANTATION, AUTOLOGOUS

227. **Garijo Forcada JM, Aguado Pérez M:** Hipercalcemia e hiperuricemia en un paciente con mieloma IgG tratado con tirocalcitonina.
Rev Clin Esp 129:289-92, 15 May 73 (Spa)
EVALUATION STUDIES/ HUMAN/ HYPERCALCEMIA, drug therapy/ *HYPERCALCEMIA, etiology/ IGG/ MALE/ METABOLIC DISEASES, drug therapy/ METABOLIC DISEASES, etiology/ MIDDLE AGE/ *MULTIPLE MYELOMA, complications/ MULTIPLE MYELOMA, drug therapy/ THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, therapeutic use/ *URIC ACID, blood

228. **Garmendia F, Kesserü E, Llerena LA:** Serum LH concentration in women under contraceptive treatment with estrogen-free progestagens.
Horm Metab Res 5:134-8, Mar 73
FEMALE/ HUMAN/ IMMUNE SERUMS/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ MENSTRUATION/ NORETHINDRONE, administration & dosage/ *NORETHINDRONE, pharmacodynamics/ *NORGESTREL, pharmacodynamics/ RADIOIMMUNOASSAY/ TIME FACTORS

229. **Garner RW, Mowat AG, Hazleman BL:** Post-operative wound healing in patients with rheumatoid arthritis.
Ann Rheum Dis 32:273-4, May 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ *ARTHRITIS, RHEUMATOID, surgery/ HEMATOMA/ HUMAN/ SURGICAL WOUND INFECTION/ TIME FACTORS/ *WOUND HEALING/ WOUND HEALING, drug effects

230. **Garnett ES, Cohen H, Nahmias C, et al:** The roles of carbohydrate, renin, and aldosterone in sodium retention during and after total starvation.
Metabolism 22:867-74, Jul 73
ADULT/ AGED/ *ALDOSTERONE, metabolism/ CARBON ISOTOPES/ CREATININE, urine/ *DIETARY CARBOHYDRATES/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ MALE/ MIDDLE AGE/ *NATRIURESIS/ OBESITY, blood/ *OBESITY, metabolism/ OBESITY, urine/ POTASSIUM, urine/ *RENIN, blood/ SODIUM, urine/ STARVATION, blood/ *STARVATION, metabolism/ TRITIUM

231. **Garnier PE, Luton JP, Leprat J, et al:** Hypercalcémie au cours de l'insuffisance surrénale primaire. A propos de deux observations.
Rev Fr Endocrinol Clin 13:391-400, Sep-Oct 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL CORTEX HORMONES, urine/ ADRENAL GLAND HYPOFUNCTION, blood/ *ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADRENAL GLAND HYPOFUNCTION, metabolism/ ADRENAL GLAND HYPOFUNCTION, urine/ ADULT/ CALCIUM, metabolism/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPERCALCEMIA, complications/ HYPERCALCEMIA, drug therapy/ *HYPERCALCEMIA, etiology/ MIDDLE AGE/ PHOSPHATES, metabolism

232. **Garrett RJ, Garrett NE, Archdeacon JW:** Binding of iron by rat placental tissues.
Experientia 29:463-4, 15 Apr 73
ANIMAL EXPERIMENTS/ BINDING SITES/ FEMALE/ *IRON, metabolism/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ PREGNANCY/ RATS/ TRANSFERRIN, metabolism/ VITELLINE MEMBRANE, metabolism

233. **Garron DC, Molander L, Cronholm B, et al:** An explanation of the apparently increased incidence of moderate mental retardation in Turner's syndrome.
Behav Genet 3:37-43, Mar 73
ANALYSIS OF VARIANCE/ CROSS-CULTURAL COMPARISON/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ MEMORY, SHORT-TERM/ MENTAL RETARDATION, complications/ *MENTAL RETARDATION, familial & genetic/ MENTAL RETARDATION, occurrence/ MINIMAL BRAIN DYSFUNCTION, familial & genetic/ MODELS, BIOLOGICAL/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, familial & genetic/ VERBAL BEHAVIOR

1234. **Gartner SL, Vahouny GV:** Endogenous triglyceride and glycogen in perfused rat hearts.
Proc Soc Exp Biol Med 143:556-60, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ BUFFERS/ CHOLESTEROL, metabolism/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIDES, metabolism/ *GLYCOGEN, metabolism/ *LIPID MOBILIZATION/ MALE/ *MYOCARDIUM, metabolism/ PALMITIC ACID, pharmacodynamics/ PERFUSION/ PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ RATS/ TIME FACTORS/ *TRIGLYCERIDES, metabolism

1235. **Gasic GJ, Gasic TB:** Effect of cholera entero-exotoxin on reproductive performance in mice.
Immunol Commun 1:223-38, 1972
ABORTION/ ANIMAL EXPERIMENTS/ EMBRYO/ ENTEROTOXINS, administration & dosage/ ENTEROTOXINS, antagonists & inhibitors/ *ENTEROTOXINS, pharmacodynamics/ FEMALE/ FERTILITY/ MICE/ NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ *REPRODUCTION, drug effects/ TIME FACTORS/ *VIBRIO, immunology/ VIBRIO COMMA, immunology

1236. **Gasnault JP, Buvat J, Legal F, et al:** Impact gonadotrope du Sulpiride: initiation à une nouvelle méthode contraceptive.
Lille Med 18:76-80, Jun 73 (Fre)
*BENZOATES, pharmacodynamics/ *CONTRACEPTIVES, ORAL/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, drug effects/ *OVULATION, drug effects/ *PYRROLIDINES, pharmacodynamics/ *SULFONAMIDES, pharmacodynamics

1237. **Gasparini C, Bersi M:** Anomalie cromosomiche in un caso di anemia di Fanconi.
Minerva Med 64:1633-7, 2 May 73 (Ita)
CHILD/ *CHROMOSOME ABNORMALITIES/ ENGLISH ABSTRACT/ *FANCONI SYNDROME, familial & genetic/ FEMALE/ HUMAN/ KARYOTYPING/ MICROCEPHALY/ NEVUS, PIGMENTED/ STRABISMUS

1238. **Gass GH, Kolich MS:** Hyperlipemia and atherosclerosis: a preliminary note on the mechanism of action.
Comp Biochem Physiol [A] 45:25-30, 1 May 73
ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, etiology/ BODY WEIGHT/ CASTRATION/ DIETARY FATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATS/ *HYPERLIPEMIA, complications/ HYPOPHYSECTOMY/ MALE/ MICE/ OILS/ ORGAN WEIGHT/ PITUITARY GLAND, physiology/ RATS/ SEMINAL VESICLES/ THYMUS GLAND

1239. **Gass JD:** Options in the treatment of macular diseases.
Trans Ophthalmol Soc UK 92:449-68, 1972
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS/ BASEMENT MEMBRANE/ CHOROID/ *EYE DISEASES/ EYE DISEASES, drug therapy/ EYE DISEASES, surgery/ FLUORESCENCE ANGIOGRAPHY/ HUMAN/

LIBRARY U. OF L. URBANA-CHAMPAIGN

LIGHT COAGULATION/ *MACULA LUTEA/ RETINAL HEMORRHAGE, drug therapy/ VISUAL ACUITY/ VITAMINS, therapeutic use

1240. **Gausach PP:** Osobennosti postgemorragicheskoi regeneratsii belkov krovi pri narushenii balansa tireoidnykh gormonov.
Patol Fiziol Eksp Ter 17:78-80, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *BLOOD PROTEIN ELECTROPHORESIS/ ENGLISH ABSTRACT/ *HEMORRHAGE, blood/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ RABBITS/ SERUM GLOBULINS, analysis

1241. **Gautvik KM, Weintraub BD, Graeber CT, et al:** Serum prolactin and TSH: effects of nursing and pyroGlu-His-ProNH2 administration in postpartum women. J Clin Endocrinol Metab 37:135-9, Jul 73
*BREAST FEEDING/ FEMALE/ HUMAN/ PEPTIDES, administration & dosage/ *PEPTIDES, pharmacodynamics/ PREGNANCY/ *PROLACTIN, blood/ PUERPERIUM/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood

1242. **Gayford JJ, Parker AL, Phillips EM, et al:** Whole blood 5 -hydroxytryptamine during treatment of endogenous depressive illness.
Br J Psychiatry 122:597-8, May 73
ADULT/ AGED/ *AMITRIPTYLINE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PHENELZINE, therapeutic use/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, therapy/ REMISSION/ *SEROTONIN, blood/ SHOCK THERAPY, ELECTRIC/ *TRYPTOPHAN, therapeutic use

1243. **Gebhart GF, Mitchell CL:** Strain differences in the analgesic response to morphine as measured on the hot plate.
Arch Int Pharmacodyn Ther 201:128-40, Jan 73
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, metabolism/ BIOLOGICAL ASSAY/ *BRAIN, drug effects/ BRAIN, metabolism/ CHROMATOGRAPHY, GAS/ DOPAMINE, metabolism/ DRUG TOLERANCE/ HEAT/ MALE/ MICE/ MICE, INBRED STRAINS/ *MORPHINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ REACTION TIME, drug effects/ SEROTONIN, metabolism

1244. **Geelhoed GW, Graff KS, Duttera MJ Jr, et al:** Acute leukemia presenting as a breast mass.
JAMA 223:1488-9, 26 Mar 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ BIOPSY, NEEDLE/ *BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, etiology/ CHILD/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *LEUKEMIA, diagnosis/ LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ LEUKEMIA, MYELOBLASTIC, diagnosis/ LEUKEMIA, MYELOBLASTIC, pathology/ MENARCHE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ SULFATES, therapeutic use/ VINCRISTINE, therapeutic use

1245. **Gehres LD, Randall CL, Riccio DC, et al:** Attenuation of hypothermic retrograde amnesia produced by pharmacologic blockage of brain seizures.
Physiol Behav 10:1011-7, Jun 73
AMNESIA/ *AMYGDALOID BODY, drug effects/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING, drug effects/ BODY TEMPERATURE/ COLD/ CONVULSIONS/ *DIPHENYLHYDANTOIN, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ *HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ *HYPOTHERMIA/ IMMERSION/ *MEMORY, drug effects/ *PENTOBARBITAL, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ SOLUTIONS/ *THIAMYLAL, pharmacodynamics

1246. **Gehweiler JA, Bland WR, Carden TS Jr, et** Osteopathia striata--Voorhoeve's disease. Review the roentgen manifestations.
Am J Roentgenol Radium Ther Nucl Med 118:450
Jun 73
ADULT/ *BONE AND BONES, radiography/ CHILD/ *DYSCHONDROPLASIA, familial & genetic/ *DYSCHONDROPLASIA, radiography *EXOSTOSES, MULTIPLE, familial & genetic EXOSTOSES, MULTIPLE, radiography/ FEMALE/ FEMUR, radiography/ FOOT, radiography/ HUMAN/ HUMERUS, radiography/ PELVIC BONES, radiography/ TIBIA, radiography

1247. **Geissler U, Schilling H:** Als Ovarialtumor imponieren Anomalie der Leber.
Zentralbl Gynaekol 95:609-13, 4 May 73 (G
ABNORMALITIES, diagnosis/ ADOLESCENCE DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LAPAROTOMY/ *LIVER, abnormalities/ LIVER, pathology/ OVARIAN NEOPLASMS, diagnosis

1248. **Geisthövel W, Kley HK, Krüskemper HL:** Adrenokortikotrope Wirkung des beta-1-23-Kortikotropins im Vergleich zu beta-1-24-Kortikotropin.
Arzneim Forsch 23:619-21, Apr 73 (G
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ PROTEIN BINDING/ SEX FACTORS

1249. **Gelbke HP, Knuppen R:** Synthesis of specific phenaz derivatives of 2-hydroxyestrogens.
Steroids 21:689-702, May 73
CARBON ISOTOPES/ CATECHOL, chem synthesis/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DRUG STABILITY/ ESTRADIOL/ *ESTROGENS, chem synthesis/ ESTRONE/ HYDROXYSTEROIDS, chem synthesis/ IODINE/ MASS SPECTRUM ANALYSIS/ OXIDATION-REDUCTION/ *PHENAZINES, chem synthesis/ QUINONES, chem synthesi SPECTROPHOTOMETRY, ULTRAVIOLET

1250. **Gelbke HP, Kreth M, Knuppen R:** A chemical met for the quantitative determination of 2-hydroxyestrone in human urine.
Steroids 21:665-87, May 73
ASCORBIC ACID, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DRUG STABILITY/ ESTRONE, isolation & purification/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ HYDROXYSTEROI isolation & purification/ HYDROXYSTEROI urine/ METHODS/ MICROCHEMISTRY/ MOLECULAR WEIGHT/ PHENAZINES, analysis/ PHENAZINES, chem synthesis/ PREGNANCY/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

1251. **Geller I, Purdy R, Merritt JH:** Alterations in eth preference in the rat: the role of brain biog amines. Ann NY Acad Sci 215:54-9, 30 Apr
*ALCOHOL DRINKING/ *ALCOHOL, ETHY ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, physiology/ *BRAIN CHEMISTRY *DRINKING BEHAVIOR, drug effects/ *HYDROXYINDOLEACETIC ACID, pharmacodynamics/ *HYDROXYTRYPTOPHA pharmacodynamics/ MALE/ RATS/ SEROTONIN, analysis/ WATER

1252. **Géniaux M, Rollier R, Larrak B, et al:** Surch cutanée par la polyvinyl-pyrrolidone.
Bull Soc Fr Dermatol Syphiligr 79:532-5, 1972 (
ADULT/ BIOPSY/ CHLORPROPAMIDE, adverse effects/ DIABETES INSIPIDUS, dr therapy/ FEMALE/ HUMAN/ *LIPIDS, metabolism/ *POLYVINYLPYRROLIDONE, metabolism/ *XANTHOMATOSIS, chemically induced/ XANTHOMATOSIS, pathology

53. **Genovese VH:** The pill and the extremities.
J Am Podiatry Assoc 63:390-1, Aug 73
ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *ERYTHEMA NODOSUM, chemically induced/ ERYTHEMA NODOSUM, diagnosis/ FEMALE/ HUMAN

54. **Gentry WC Jr, Rosenberg EW, Goltz RW:** A clinical evaluation of 0.05 per cent desonide cream. A new nonfluorinated topical corticosteroid.
Arch Dermatol 107:870-1, Jun 73
ACETALS, administration & dosage/ ACETALS, adverse effects/ ACETALS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ ANTI-INFLAMMATORY AGENTS, adverse effects/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ CLINICAL RESEARCH/ EVALUATION STUDIES/ FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ OINTMENTS/ PREDNISOLONE, TOPICAL, administration & dosage/ PREDNISOLONE, TOPICAL, adverse effects/ *PREDNISOLONE, TOPICAL, therapeutic use/ *SKIN DISEASES, drug therapy/ TIME FACTORS

55. **George JM:** Post parturient oestrus in merino and dorset horn sheep. Aust Vet J 49:242-5, May 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CROWDING/ *ESTRUS/ FEMALE/ LABOR/ PREGNANCY/ PUERPERIUM/ SEASONS/ *SHEEP, physiology/ SPECIES SPECIFICITY/ WEATHER

56. **George Y, Tusques J:** Action de la thyroxine sur l'indice mitotique dans la thyroide chez le rat blanc nouveau-né.
C R Soc Biol (Paris) 166:1349-52, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *MITOSIS, drug effects/ MORPHOGENESIS, drug effects/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, growth & development/ *THYROXINE, pharmacodynamics

57. **Gerall AA, Dunlap JL, Hendricks SE:** Effect of ovarian secretions on female behavioral potentiality in the rat. J Comp Physiol Psychol 82:449-65, Mar 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ BODY WEIGHT, drug effects/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ MALE/ OVARY, physiology/ OVARY, secretion/ OVARY, transplantation/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TRANSPLANTATION, HOMOLOGOUS

58. **Gerall AA, Dunlap JL:** The effect of experience and hormones on the initial receptivity in female and male rats. Physiol Behav 10:851-4, May 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ *CASTRATION/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ HOUSING, ANIMAL/ MALE/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects

59. **Gerall AA, Napoli AM, Cooper UC:** Daily and hourly estrous running in intact, spayed and estrone implanted rats. Physiol Behav 10:225-9, Feb 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ BENZOATES/ CASTRATION/ CIRCADIAN RHYTHM/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ *ESTRONE, pharmacodynamics/ *ESTRUS/ ESTRUS, drug effects/ ETHYLAMINES, pharmacodynamics/ FEMALE/ *LOCOMOTION/ LOCOMOTION, drug effects/ MOTOR ACTIVITY/ *PERIODICITY/ PHENOLS, pharmacodynamics/ RATS/ VAGINAL SMEARS

60. **Gerasimenko PP:** Diagnosticheskaia tsennost' opredeleniia aktivnosti renina i soderzhania kaliia v plazme krovi u bol'nykh s arterial'noi gipetoniei pri sindrome Konna.
Kardiologiia 13:101-6, Mar 73 **(Rus)**
ADENOMA, complications/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ CHILD/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, complications/ *HYPERTENSION, etiology/ HYPERTENSION, RENAL, blood/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, complications/ *POTASSIUM, blood/ *RENIN, blood

1261. **Gerbino PP:** Digitalis glycoside intoxication--a preventive role for pharmacists.
Am J Hosp Pharm 30:499-504, Jun 73
AGE FACTORS/ AURICULAR FIBRILLATION, drug therapy/ CALCIUM, blood/ CREATININE, metabolism/ DIGITALIS GLYCOSIDES, metabolism/ *DIGITALIS GLYCOSIDES, poisoning/ DIGITALIS GLYCOSIDES, therapeutic use/ DIGITALIS GLYCOSIDES, toxicity/ DRUG INTERACTIONS/ ENDOCRINE DISEASES, complications/ HALF-LIFE/ HEART DISEASES, drug therapy/ HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ KIDNEY DISEASES, drug therapy/ LIVER DISEASES, complications/ LUNG DISEASES, complications/ MAGNESIUM, blood/ NUTRITION DISORDERS, complications/ POISONING, prevention & control/ POTASSIUM, blood/ THYROID DISEASES, complications

1262. **German J, Simpson JL, Morillo-Cucci G, et al:** Testicular feminisation and inguinal hernia.
Lancet 1:891, 21 Apr 73
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *INGUINAL HERNIA, etiology/ INGUINAL HERNIA, familial & genetic/ PROSPECTIVE STUDIES/ SEX CHROMATIN, analysis/ *TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, diagnosis

1263. **Germouty J, Demonet B, Tuffery-Boussinesq M:** Sur une fibrose pulmonaire secondaire à l'inhalation de poudre de post-hypophyse.
Rev Tuberc Pneumol (Paris) 36:867-80, Jul-Aug 72 **(Fre)**
ADULT/ BIOPSY/ DIABETES INSIPIDUS, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ IATROGENIC DISEASE/ *INHALATION THERAPY, adverse effects/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ MICROSCOPY, POLARIZATION/ *PITUITARY HORMONES, POSTERIOR, adverse effects/ *PULMONARY FIBROSIS, chemically induced/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography

1264. **Gessner PK, Gessner T:** The interaction of barbital and testosterone relative to their hypnotic effects.
Arch Int Pharmacodyn Ther 201:52-8, Jan 73
ANIMAL EXPERIMENTS/ BARBITURATES, administration & dosage/ *BARBITURATES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ HEXOBARBITAL, administration & dosage/ HEXOBARBITAL, pharmacodynamics/ MICE/ *SLEEP, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1265. **Ghadimi H, Arulanantham K, Desai L:** Unitary concept for prevention and treatment of respiratory-distress syndrome.
Lancet 2:126-8, 21 Jul 73
AMINO ACIDS/ DEFICIENCY DISEASES, complications/ DIETARY CARBOHYDRATES/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ *PARENTERAL FEEDING/ PREGNANCY/ PRENATAL CARE/ PROTEIN DEFICIENCY,

LIBRARY U. OF I., URBANA-CHAMPAIGN

complications/ RESPIRATORY DISTRESS SYNDROME, drug therapy/ RESPIRATORY DISTRESS SYNDROME, etiology/ *RESPIRATORY DISTRESS SYNDROME, prevention & control/ SURFACE-ACTIVE AGENTS, administration & dosage

1266. **Gharib H, Wahner HW:** Triiodothyronine hyperthyroidism. Postgrad Med 54:77-81, Jul 73
HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPERTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROXINE, blood/ THYROXINE, physiology/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, physiology

1267. **Ghartey KN, Basu PK, Matuk Y:** Platelet aggregation in corneal xenograft reaction.
Can J Ophthalmol 8:344-8, Apr 73
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ *BLOOD PLATELETS, immunology/ CARBON ISOTOPES/ CATTLE/ CORNEA, metabolism/ *CORNEA, transplantation/ *GRAFT REJECTION/ PLATELET ADHESIVENESS/ RABBITS/ SEROTONIN, metabolism/ TIME FACTORS/ *TRANSPLANTATION, HETEROLOGOUS

1268. **Ghazarian JG, Schnoes HK, DeLuca HF:** Mechanism of 25-hydroxycholecalciferol 1 -hydroxylation. Incorporation of oxygen-18 into the 1 position of 25-hydroxycholecalciferol.
Biochemistry 12:2555-8, 3 Jul 73
ANIMAL EXPERIMENTS/ CHICKENS/ DEUTERIUM/ GEL FILTRATION/ HYDROXYCHOLECALCIFEROL, isolation & purification/ *HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYLATION/ KIDNEY, cytology/ KIDNEY, enzymology/ KIDNEY, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ OXIDOREDUCTASES, metabolism/ *OXYGEN/ OXYGEN ISOTOPES

1269. **Ghosh D, Lyman RL, Tinoco J:** Influence of the polar group on interactions between phospholipids and sterols in monolayers. Rapid decomposition of phosphatidylethanolamines and cholesterol in monolayers at pH 11.9. Lipids 8:61-4, Feb 73
*CEPHALINS/ CEPHALINS, analysis/ CEPHALINS, metabolism/ CHOLESTANES/ CHOLESTENES/ *CHOLESTEROL/ CHOLESTEROL, metabolism/ FATTY ACIDS, analysis/ HYDROGEN-ION CONCENTRATION/ KETOSTEROIDS/ LECITHINS/ LIVER/ MEMBRANES, metabolism/ MEMBRANES, ARTIFICIAL/ PALMITIC ACID/ PHOSPHOLIPIDS/ RATS/ STEROLS/ SURFACE PROPERTIES/ SURFACE TENSION

1270. **Ghozlan R, Brocheriou C, Catz G, et al:** Hyperthyroïdie avec hypercalcémie. A propos d'un cas d'association d'hyperthyroïdie-hyperparathyroïdie.
Nouv Presse Med 2:771-3, Mar 72 **(Fre)**
*ADENOMA, complications/ ADENOMA, surgery/ AGED/ BONE RESORPTION, etiology/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, complications/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, surgery/ PARATHYROID HORMONE, metabolism/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood/ THYROCALCITONIN, metabolism/ THYROXINE, metabolism/ VITAMIN D, metabolism

1271. **Ghraf R, Lax ER, Hoff HG, et al:** Sex dependency of steroid retention in rat-liver slices incubated with testosterone. Eur J Biochem 35:57-61, May 73
ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CORTISONE/ CULTURE MEDIA/ FEMALE/ HYDROGENATION/ HYDROXYLATION/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ NADP/ OXIDOREDUCTASES, metabolism/ RATS/ SEX FACTORS/ STEROID HYDROXYLASES, metabolism/ *TESTOSTERONE, metabolism

1272. **Giannopoulos G:** Glucocorticoid receptors in lung. I. Specific binding of glucocorticoids to cytoplasmic components of rabbit fetal lung.
J Biol Chem 248:3876-83, 10 Jun 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BLOOD PROTEINS/ CYTOPLASM, metabolism/ *CYTOSOL, metabolism/ DEOXYRIBONUCLEASE, pharmacodynamics/ DEXAMETHASONE, metabolism/ FEMALE/ *GLUCOCORTICOIDS, metabolism/ HYDROCORTISONE, pharmacodynamics/ LUNG, drug effects/ LUNG, embryology/ *LUNG, metabolism/ MACROMOLECULAR SYSTEMS/ PREGNANCY/ PRONASE, pharmacodynamics/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ RIBONUCLEASE, pharmacodynamics/ STEROIDS, pharmacodynamics/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRITIUM

1273. **Giannopoulos G, Mulay S, Solomon S:** Cortisol receptors in rabbit fetal lung.
Biochem Biophys Res Commun 47:411-8, 28 Apr 7
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CELL NUCLEUS, metabolism/ FEMALE/ FETUS/ GEL FILTRATION/ GESTATIONAL AGE/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, metabolism/ LUNG, cytology/ LUNG, growth & development/ *LUNG, metabolism/ MACROMOLECULAR SYSTEMS/ PREGNANCY/ PROTEIN BINDING RABBITS/ RECEPTORS, HORMONE/ STEROIDS, pharmacodynamics/ SUBCELLULA FRACTIONS, metabolism/ TRITIUM

1274. **Giannopoulos G, Mulay S, Solomon S:** Glucocorticoi receptors in lung. II. Specific binding of glucocorticoids to nuclear components of rabbit fet lung. J Biol Chem 248:5016-23, 25 Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ CHLOROMERCURIBENZOATES, pharmacodynamics/ CORTISONE, metabolism/ DEOXYRIBONUCLEASE, pharmacodynamics/ *DEXAMETHASONE, metabolism/ FEMALE/ FETUS/ *HYDROCORTISONE, metabolism/ LIVER, cytology/ *LIVER, metabolism/ LUNG cytology/ *LUNG, metabolism/ MACROMOLECULAR SYSTEMS/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ ORGAN SPECIFICITY/ PREGNANCY/ PRONASE, pharmacodynamics/ RABBITS/ RECEPTORS, HORMONE/ RIBONUCLEASE, pharmacodynamics/ TRITIU

1275. **Giarola A, Agostini G:** Traitement de la stérili masculine sécrètoire. Gonadotrophines? Mesterolone? Arginine? Quid agendum.
Gynecol Prat 23:173-5, 1972 **(Fr**
*ARGININE, therapeutic use/ *FSH, therapeutic use/ HUMAN/ MALE/ *MENOTROPINS, therapeutic use/ METHANE therapeutic use/ *STANOLONE, therapeutic use/ *STERILITY, MALE, drug therapy

1276. **Gibb W, Jeffery J:** The steric course with respect to t reduced nicotinamide-adenine dinucleotide of t reduction of 3-oxo steroids catalysed by cortiso reductase. Eur J Biochem 34:395-400, Apr 73
*ANDROSTANES/ BINDING SITES/ CHEMISTRY/ HYDROGEN/ *HYDROXYSTEROID DEHYDROGENASE/ KETOSTEROIDS/ KINETICS/ *NAD/ NADP/ OXIDATION-REDUCTION/ *PREGNENES/ TRITIUM

1277. **Gibson JE:** Teratology studies in mice with 2-sec-butyl-4,6-dinitrophenol (dinoseb).

Food Cosmet Toxicol 11:31-43, Feb 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ CESAREAN SECTION/ DINITROPHENOLS, administration & dosage/ *DINITROPHENOLS, toxicity/ EMBRYO, drug effects/ FEMALE/ FETAL DISEASES, chemically induced/ FETUS, drug effects/ FETUS, growth & development/ GESTATIONAL AGE/ GROWTH, drug effects/ HERBICIDES, administration & dosage/ *HERBICIDES, toxicity/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ INTUBATION, GASTROINTESTINAL/ MATERNAL-FETAL EXCHANGE/ MICE/ MORTALITY/ PREGNANCY/ TIME FACTORS

. **Gilbert-Dreyfus M:** La mort des basedowiens (á l'exclusion de la maladie de Basedow néonatale.
Bull Acad Natl Med (Paris) 156:276-82, Feb-Mar 72 (Fre)
FEMALE/ *GOITER, EXOPHTHALMIC, mortality/ GOITER, EXOPHTHALMIC, radiotherapy/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ MALE/ PROGNOSIS

Gilevich IuS, Us TL, Khasanov AZ, et al: Oslozhnenila pri khirurgicheskom lechenii tireotoksicheskogo.
Khirurgiia (Mosk) 48:6-10, Sep 72 (Rus)
ENGLISH ABSTRACT/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ POSTOPERATIVE COMPLICATIONS, prevention & control

Gillam SS, Watson JG, Chaykin S: Nicotinamide deamidase from rabbit liver. 3. Inhibition and sedimentation studies.
Arch Biochem Biophys 157:268-84, Jul 73
AMIDOHYDROLASES, antagonists & inhibitors/ *AMIDOHYDROLASES, metabolism/ BINDING, COMPETITIVE/ BINDING SITES/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ FORMAMIDE, pharmacodynamics/ GEL FILTRATION/ IODINE ISOTOPES/ ISOFLUROPHATE, pharmacodynamics/ KETONES, pharmacodynamics/ KINETICS/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ MOLECULAR WEIGHT/ NICOTINAMIDE/ OPTICAL ROTATORY DISPERSION/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ RABBITS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROXINE, pharmacodynamics

Gillespie E: Compound 48-80 decreases adenosine 3'5'-monophosphate formation in rat peritoneal mast cells.
Experientia 29:447-8, 15 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ *COMPOUND 48-80, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ *MAST CELLS, metabolism/ *PERITONEUM, cytology/ RATS/ SCINTILLATION COUNTERS

Gillette RW, Lance EM: Kinetic studies of macrophages. 3. The effect of hydrocortisone upon the distribution of radiolabeled peritoneal cells.
J Reticuloendothel Soc 12:701-13, Dec 72
ANIMAL EXPERIMENTS/ ASCITIC FLUID, cytology/ BONE MARROW, metabolism/ CHROMIUM ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FREUND'S ADJUVANT/ *HYDROCORTISONE, pharmacodynamics/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ KINETICS/ LIVER, metabolism/ *MACROPHAGES, physiology/ MICE/ MICE, INBRED A/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED CBA/ SPLEEN, metabolism

Gillman T, Kinns AM, Hallowes RC, et al: Malignant lymphoreticular tumors induced by trypan blue and transplanted in inbred rats.
J Natl Cancer Inst 50:1179-93, May 73
ANIMAL EXPERIMENTS/ FEMALE/ HISTOCYTOCHEMISTRY/ KIDNEY NEOPLASMS, chemically induced/ KIDNEY NEOPLASMS, pathology/ LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ LYMPH NODES, pathology/ MALE/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, pathology/ RATS/ RATS, INBRED STRAINS/ *RETICULOENDOTHELIAL SYSTEM/ STAINS AND STAINING/ THYMUS NEOPLASMS, chemically induced/ THYMUS NEOPLASMS, pathology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *TRYPAN BLUE

1284. **Gilman AG:** Protein binding assays for cyclic nucleotides.
Adv Cyclic Nucleotide Res 2:9-24, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ MUSCLES, analysis/ MUSCLES, enzymology/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ PROTEIN KINASE, antagonists & inhibitors/ RIBONUCLEOTIDES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

1285. **Gilsdorf RB, Urdaneta LF, Leonard AS, et al:** Posterior hypothalamic effect on gastrointestinal blood flow in the conscious cat.
Proc Soc Exp Biol Med 143:329-34, Jun 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CARDIAC OUTPUT/ CATS/ COLON, blood supply/ DUODENUM, blood supply/ ELECTRIC STIMULATION/ ESOPHAGUS, blood supply/ GALLBLADDER, blood supply/ *GASTROINTESTINAL SYSTEM, blood supply/ *HYPOTHALAMUS, physiology/ ILEUM, blood supply/ INTESTINAL MUCOSA, blood supply/ JEJUNUM, blood supply/ MUSCLE, SMOOTH, blood supply/ PANCREAS, blood supply/ PULSE/ REGIONAL BLOOD FLOW/ STOMACH, blood supply

1286. **Ginther OJ, Del Campo CH, Rawlings CA:** Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: a local venoarterial pathway between uterus and ovaries in sheep.
Am J Vet Res 34:723-8, Jun 73
ANIMAL EXPERIMENTS/ *ARTERIES, anatomy & histology/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ HYSTERECTOMY/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, blood supply/ *SHEEP, anatomy & histology/ UTERUS, anatomy & histology/ UTERUS, blood supply/ *UTERUS, physiology/ *VEINS, anatomy & histology

1287. **Giolli RA, Creel DJ:** The primary optic projections in pigmented and albino guinea pigs: an experimental degeneration study.
Brain Res 55:25-39, 30 May 73
ALBINISM, pathology/ ANIMAL EXPERIMENTS/ GENICULATE BODIES, anatomy & histology/ GUINEA PIGS/ *GUINEA PIGS, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ NERVE DEGENERATION/ *OPTIC NERVE, anatomy & histology/ OPTIC NERVE, pathology/ SILVER/ STAINS AND STAINING/ SUPERIOR COLLICULUS, anatomy & histology/ VISUAL PATHWAYS, anatomy & histology/ VISUAL PATHWAYS, pathology

1288. **Giroiami M:** La cirrosi del fegato può guarire clinicamente in una lata percentuale di casi con trattamento a base di testosterone e vitamina B 1 ad alte dosi.
Minerva Med 64:1567-623, 2 May 73 (Ita)
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ BILIRUBIN, blood/

LIBRARY U. OF I., URBANA-CHAMPAIGN

BLOOD PROTEINS, analysis/ BLOOD SEDIMENTATION/ CHILD/ CHOLESTEROL, blood/ CHOLINESTERASE, blood/ CLINICAL RESEARCH/ ELECTROLYTES, blood/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ GLUTATHIONE, blood/ HUMAN/ LIVER CIRRHOSIS, diagnosis/ *LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, enzymology/ LIVER CIRRHOSIS, etiology/ LIVER CIRRHOSIS, pathology/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use/ THIAMINE, administration & dosage/ THIAMINE, therapeutic use

1289. **Girotti F, Finocchi G, Boscherini B:** Some endocrinological studies on a child with obesity and diabetes insipidus.
Monatsschr Kinderheilkd 121:160-2, Apr 73
BRAIN DISEASES, complications/ CASE REPORT/ CHILD, PRESCHOOL/ DEFICIENCY DISEASES, complications/ *DIABETES INSIPIDUS, complications/ DWARFISM, PITUITARY, complications/ HUMAN/ HYPERINSULINISM, complications/ HYPOTHALAMUS/ MALE/ *OBESITY IN DIABETES, complications/ SOMATOTROPIN, blood/ SYNDROME

1290. **Gispen WH, Poel AM van der, Wimersma Greidanus TB:** Pituitary-adrenal influences on behavior: responses to test situation with or without electric footshock. Physiol Behav 10:345-50, Feb 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ ELECTROSHOCK/ *EXPLORATORY BEHAVIOR/ HYPOPHYSECTOMY/ MALE/ MOTOR ACTIVITY, drug effects/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, physiology/ *PLAY/ RATS/ REACTION TIME, drug effects/ SOCIAL ISOLATION

1291. **Gitsch E, Spona J:** Serum estradiol and LH during normal and induced menstrual cycles.
Endocrinol Exp (Bratisl) 7:53-8, 1973
CLOMIPHENE/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ *LH, blood/ *MENSTRUATION/ OVULATION/ RADIOIMMUNOASSAY

1292. **Gitsch E, Spona J:** Radioimmunologische Untersuchungen des Progesterons im Serum beim normalen und induzierten Zyklus.
Geburtshilfe Frauenheilkd 33:303-9, Apr 73 (Ger)
ADULT/ AMENORRHEA, blood/ AMENORRHEA, drug therapy/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, blood/ METHODS/ OVULATION, drug effects/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY

1293. **Gitsch E, Spona J:** Radioimmunologische LH-Bestimmung im Serum als Hilfe zur Terminisierung der Ovulation.
Geburtshilfe Frauenheilkd 33:297-302, Apr 73 (Ger)
CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ COITUS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LH, blood/ MALE/ METHODS/ METRORRHAGIA/ *OVULATION/ OVULATION, drug effects/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *STERILITY, FEMALE, therapy/ TIME FACTORS

1294. **Gittes RF, Bendixen HH:** Pheochromocytoma. Tumor localization and surgical management.
Calif Med 118:1-6, Jun 73
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ ANGIOGRAPHY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PREOPERATIVE CARE

1295. **Gledhill BL:** Inherited disorders causing infertility in the bull.
J Am Vet Med Assoc 162:979-82, 1 Jun 73 (32 ref.)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, familial & genetic/ CATTLE DISEASES, pathology/ IMPOTENCE, veterinary/ MALE/ PENIS, abnormalities/ REVIEW/ SPASM, familial & genetic/ SPASM, veterinary/ SPERMATOGENESIS/ STERILITY, MALE, familial & genetic/ *STERILITY, MALE, veterinary/ SYNDROME, veterinary/ TESTICULAR DISEASES, familial & genetic/ TESTICULAR DISEASES, pathology/ TESTICULAR DISEASES, veterinary/ TESTIS, abnormalities/ UMBILICAL HERNIA, familial & genetic/ UMBILICAL HERNIA, veterinary

1296. **Gleicher DA, Welch RB:** Late aseptic endophthalmiti after cataract surgery.
Am J Ophthalmol 75:769-73, May 73
AGED/ ANTERIOR CHAMBER, surgery/ *CATARACT EXTRACTION/ CHLORAMPHENICOL, therapeutic use/ DEXAMETHASONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ EYE DISEASES, diagnosis/ EYE DISEASES, drug therapy/ *EYE DISEASES, etiology/ EYE DISEASES, microbiology/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IRIDOCYCLITIS, diagnosis/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ TROPANES, therapeutic use/ VISION TESTS

1297. **Glick B:** Cortisone, age and antibody-mediated immunity.
Int Arch Allergy Appl Immunol 43:766-71, 197
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIBODY FORMATION, drug effects/ BURSA OF FABRICIUS, immunology/ CHICKENS/ *CORTISONE, pharmacodynamics/ ORGAN WEIGHT/ PRECIPITIN TESTS/ PRECIPITINS, SPLEEN, immunology

1298. **Glickman FS, Silvers SH:** Eczema and molluscum contagiosum. JAMA 223:1512, 26 Mar 73
CHILD/ ECZEMA, chemically induced/ *ECZEMA, complications/ HUMAN/ MOLLUSCUM CONTAGIOSUM, chemically induced/ *MOLLUSCUM CONTAGIOSUM, complications/ STEROIDS, adverse effects

1299. **Gliedman ML, Gold M, Whittaker J, et al:** Clinic segmental pancreatic transplantation with ureter-pancreatic duct anastomosis for exocrin drainage. Surgery 74:171-80, Aug 73
ADULT/ AZATHIOPRINE, therapeutic use/ DIABETES MELLITUS, JUVENILE, therapy/ FEMALE/ GLUCOSE TOLERANCE TEST/ HEMODIALYSIS/ HUMAN/ HYPERGLYCEMIA, complications/ IMMUNOSUPPRESSION/ INSULIN, therapeutic use/ KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ METHODS/ METHYLPREDNISOLONE, therapeutic use/ PANCREAS, secretion/ *PANCREAS, transplantation/ *PANCREATIC DUCTS, surgery/ POSTOPERATIVE COMPLICATIONS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *URETER, surgery

1300. **Gloor M, Oschmann H, Friederich HC:** Uber de Einfluss endogener und exogener Faktoren auf di Hautoberflächenlipidmenge.
Z Haut Geschlechtskr 48:413-8, Jun 73 (44 ref.) (Ger
ADULT/ AGE FACTORS/ AGED/ BODY CONSTITUTION/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FOOD HABITS/ HUMAN/ HYGIENE/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ REVIEW/ SEBACEOUS

GLANDS, secretion/ SEX FACTORS/ SKIN, drug effects/ *SKIN, metabolism/ SLEEP/ SMOKING/ SPORTS

01. **Glueck CJ, Ford S Jr, Steiner P, et al:** Effects of a progestational oral contraceptive on lipids and lipases. Am J Obstet Gynecol 116:689-93, 1 Jul 73
ADULT/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG TOLERANCE/ ELECTROPHORESIS/ ESTERASES, blood/ FEMALE/ FOLLOW-UP STUDIES/ GLYCERIDES/ HEPARIN, blood/ HUMAN/ *LIPASE, blood/ *LIPIDS, blood/ *PROGESTATIONAL HORMONES, pharmacodynamics/ QUINGESTANOL, administration & dosage/ QUINGESTANOL, adverse effects/ QUINGESTANOL, pharmacodynamics/ TIME FACTORS/ TRIGLYCERIDES, blood

2. **Goda K, Chu J, Kimura T, et al:** Cytochrome c enhancement of singlet molecular oxygen production by the NADPH-dependent adrenodoxin reductase-adrenodoxin system: the role of singlet oxygen in damaging adrenal mitochondrial membranes.
Biochem Biophys Res Commun 52:1300-6, 19 Jun 73
*ADRENAL GLANDS, enzymology/ ALDEHYDES, chem synthesis/ ANIMAL EXPERIMENTS/ CATALASE/ CATTLE/ CHEMISTRY/ *CYTOCHROME C/ ENZYME ACTIVATION/ *FERREDOXINS/ FREE RADICALS/ KINETICS/ LIPIDS/ LUMINESCENCE/ NADH, NADPH OXIDOREDUCTASES, antagonists & inhibitors/ NADP/ *OXIDOREDUCTASES/ *OXYGEN/ SUPEROXIDE DISMUTASE/ XANTHINE OXIDASE

. **Godinho HP, Cardoso EM, Nogueira JC:** Patterns of aprenchymal ramification of the testicular artery in some ruminants. Anat Anz 133:118-24, 1973
ANIMAL EXPERIMENTS/ ARTERIES, anatomy & histology/ *ARTIODACTYLA, anatomy & histology/ BUFFALOES/ CATTLE/ GOATS/ MALE/ SHEEP/ SPECIES SPECIFICITY/ *TESTIS, blood supply

. **Goertz GR, Guérin MA, Crépy OC, et al:** Détermination d'un indice d'affinité des stéroïdes pour les protéines sériques, fondée sur une méthode de mesure de la liaison à l'équilibre.
Eur J Biochem 35:311-7, Jun 73 (Fre)
ANDROSTANES/ *ANDROSTENES, metabolism/ BINDING, COMPETITIVE/ *BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, AFFINITY/ DEHYDROEPIANDROSTERONE/ DIALYSIS/ ENGLISH ABSTRACT/ ESTRANES/ FEMALE/ HUMAN/ HYDROXYSTEROIDS/ KINETICS/ MATHEMATICS/ METHODS/ POLYMERS/ PREGNANCY/ *PROTEIN BINDING/ RESINS/ STANOLONE/ *TESTOSTERONE, metabolism/ TRITIUM

Gogolák G, Stumpf C, Tschakaloff C: Antikonvulsive Wirkung von Clonazepam und Ro 8-4192 gegen Penicillin-und Lidocain-Krämpfe.
Arzneim Forsch 23:545-9, Apr 73 (Ger)
ACTION POTENTIALS/ AMYGDALOID BODY/ ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, therapeutic use/ *BENZAZEPINES, therapeutic use/ CEREBRAL CORTEX/ COMPARATIVE STUDY/ CONVULSIONS, chemically induced/ *CONVULSIONS, drug therapy/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ KETONES, therapeutic use/ LIDOCAINE/ MALE/ *MORPHOLINES, therapeutic use/ NITRO COMPOUNDS, therapeutic use/ PENICILLIN/ RABBITS/ SOLUBILITY

Golbus MS, Beauchamp CJ, Conte FA: Male pseudohermaphroditism in a child with Down's syndrome. J Med Genet 10:189-92, Jun 73
ADULT/ ANEUPLOIDY/ ANTIEMETICS, therapeutic use/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ GOITER, drug therapy/ GROWTH DISORDERS, familial & genetic/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ *MONGOLISM, complications/ MONGOLISM, familial & genetic/ NAUSEA, drug therapy/ PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/ *PSEUDOHERMAPHRODITISM, complications/ SEX CHROMOSOME ABNORMALITIES/ THYROID HORMONES, therapeutic use

1307. **Gold RM:** Hypothalamic obesity following knife cuts that minimize arterial damage.
Physiol Behav 10:403-6, Feb 73
ANIMAL EXPERIMENTS/ ARTERIES/ AXONS/ EATING/ FEMALE/ *HYPOTHALAMUS, physiology/ *OBESITY, etiology/ RATS/ *STEREOTAXIC TECHNICS

1308. **Goldberg ND, O'Toole AG, Haddox MK:** Analysis of cyclic AMP and cyclic GMP by enzymic cycling procedures. Adv Cyclic Nucleotide Res 2:63-80, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE SPECTROMETRY/ GLUCOSEPHOSPHATE DEHYDROGENASE/ GUANINE NUCLEOTIDES/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HEXOKINASE/ METHODS/ MUSCLES, enzymology/ PHOSPHODIESTERASES/ PHOSPHOTRANSFERASES/ PYRUVATE KINASE/ RABBITS/ TRITIUM

1309. **Goldenberg RL, Grodin JM, Rodbard D, et al:** Gonadotropins in women with amenorrhea. The use of plasma follicle-stimulating hormone to differentiate women with and without ovarian follicles.
Am J Obstet Gynecol 116:1003-12, 1 Aug 73
*AMENORRHEA/ AMENORRHEA, diagnosis/ AMENORRHEA, etiology/ BIOPSY/ FEMALE/ *FSH, blood/ *GONADOTROPINS, urine/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ *LH, blood/ MICE/ OVARY, pathology/ RADIOIMMUNOASSAY

1310. **Goldman AS, Gustafsson JA, Gustafsson SA:** New synthetic steroids which inhibit rat gonadal steroidogenic enzymes both in vitro and in vivo.
Acta Endocrinol (Kbh) 73:146-70, May 73
ADRENALECTOMY/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ *HYDROXYLASES, antagonists & inhibitors/ HYDROXYPROGESTERONE, metabolism/ *HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ IN VITRO/ *LYASES, antagonists & inhibitors/ MALE/ MASS SPECTRUM ANALYSIS/ MICROSOMES, enzymology/ OVARY, enzymology/ *PREGNANES, pharmacodynamics/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ TESTIS, enzymology/ TRITIUM

1311. **Goldman AS, Shapiro BH, Root AW:** Inhibition of fetal masculine differentiation in the rat by maternal administration of antibodies to bovine LH, cyanoketone, or antibodies to testosterone-3-bovine serum albumin.
Proc Soc Exp Biol Med 143:422-6, Jun 73
ADRENAL GLANDS, drug effects/ *ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIBODIES/ *CELL DIFFERENTIATION/ FEMALE/ *GENITALIA, MALE, embryology/ HYPOSPADIAS, chemically induced/ *IMMUNE SERUMS, pharmacodynamics/ KETOSTEROIDS/ *LH/ MAMMAE, drug effects/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ OVARY, drug effects/ PREGNANCY/ RABBITS, immunology/ RATS/

LIBRARY U. OF I., URBANA-CHAMPAIGN

SERUM ALBUMIN, BOVINE/ SEX FACTORS/ *TESTOSTERONE/ TIME FACTORS

1312. **Goldman L, Coover GO, Levine S:** Bidirectional effects of reinforcement shifts on pituitary adrenal activity.
Physiol Behav 10:209-14, Feb 73
ANIMAL EXPERIMENTS/ *CONDITIONING, OPERANT/ CORTICOSTERONE, blood/ DRINKING BEHAVIOR/ EXTINCTION (PSYCHOLOGY)/ FRUSTRATION/ MALE/ *PITUITARY-ADRENAL SYSTEM/ RATS/ *REINFORCEMENT SCHEDULE/ *REWARD/ SATIATION/ WATER DEPRIVATION

1313. **Goldsmith RS, Smith LH:** The chicken or the egg--idiopathic hypercalciuria.
Ann Intern Med 78:967, Jun 73
ANTIBODIES/ CALCIUM, blood/ *CALCIUM, urine/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, urine/ MALE/ PARATHYROID HORMONE, blood/ SYNDROME

1314. **Goldstein DP, Nudemberg F, Lymeburner N, et al:** The management of patients with gestational trophoblastic neoplasia based on the antigenic properties of human chorionic gonadotropin.
J Surg Oncol 5:1-8, 1973
BIOLOGICAL ASSAY/ CHORIOCARCINOMA, blood/ CHORIOCARCINOMA, drug therapy/ *CHORIOCARCINOMA, drug therapy/ DACTINOMYCIN, therapeutic use/ EVALUATION STUDIES/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDATIDIFORM MOLE, blood/ HYDATIDIFORM MOLE, drug therapy/ *HYDATIDIFORM MOLE, drug therapy/ LH, blood/ METHODS/ NEOPLASM METASTASIS/ OVULATION/ RADIOIMMUNOASSAY/ REMISSION/ UTERINE NEOPLASMS, blood/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, drug therapy

1315. **Goldstein M, Vanderhoeft P, Van der Stricht J:** La chirurgie de la veine cave supérieure.
Phlebologie 25:291-8, Jul-Sep 72 (Fre)
ADULT/ AGED/ BLOOD VESSEL PROSTHESIS/ BRONCHIAL NEOPLASMS, complications/ CARCINOMA, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOSARCOMA, complications/ MALE/ MEDIASTINAL NEOPLASMS, complications/ MIDDLE AGE/ PHLEBOGRAPHY/ POLYETHYLENE TEREPHTHALATE/ THROMBOPHLEBITIS, etiology/ *THROMBOPHLEBITIS, surgery/ THYMOMA, complications/ THYMUS NEOPLASMS, complications/ VENA CAVA, SUPERIOR, radiography/ *VENA CAVA, SUPERIOR, surgery

1316. **Goliñska A, Ordyniec H, Raczyñska A:** Aspekty kliniczne i anatomiczne samoistnej pierwotnej hemosyderozy płuc u dzieci.
Wiad Lek 26:735-9, 15 Apr 73 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD TRANSFUSION/ CAPILLARY FRAGILITY/ CHILD/ ENGLISH ABSTRACT/ *HEMOSIDEROSIS/ HEMOSIDEROSIS, diagnosis/ HEMOSIDEROSIS, drug therapy/ HEMOSIDEROSIS, enzymology/ HEMOSIDEROSIS, immunology/ HEMOSIDEROSIS, therapy/ HUMAN/ IRON, therapeutic use/ *LUNG DISEASES/ LUNG DISEASES, diagnosis/ LUNG DISEASES, drug therapy/ LUNG DISEASES, enzymology/ LUNG DISEASES, immunology/ LUNG DISEASES, therapy/ PROGNOSIS/ REMISSION/ REVIEW

1317. **Golovin DI:** O zamechaniiakh po povodu moei stat'i "O Poniatii 'Dobrokachestvennaia Opukhol'".
Vopr Onkol 18:110-1, 1972 (Rus)
HORMONES, physiology/ HUMAN/ NEOPLASMS, classification/ *NEOPLASMS, pathology/ NOMENCLATURE

1318. **Golub LM:** The effect of ascorbic acid on the turnover of collagen in bone in tissue culture.
J Periodont Res 8:71-8, 1973
ANIMAL EXPERIMENTS/ *ASCORBIC ACID, pharmacodynamics/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *COLLAGEN, biosynthesis/ HYDROXYPROLINE/ IN VITRO/ MICE/ TISSUE CULTURE/ TRITIUM

1319. **Golubeva IV, Kertsman VI:** Operatsii kol'popoeza bol'nykh a testikuliarnymy formami germafroditizma
Probl Endokrinol (Mosk) 19:44-6, Mar-Apr 73 (Rus
ADOLESCENCE/ ARTIFICIAL ORGANS/ ENGLISH ABSTRACT/ FEMALE/ *HERMAPHRODITISM, surgery/ HUMAN/ MALE/ *SURGERY, PLASTIC/ *TESTICULAR FEMINIZATION, surgery/ TESTIS, abnormalities/ *VAGINA, surgery/ VIRILISM, surgery

1320. **Goncharova VN, Marova EI, Kertsman VI:** Sekretsii kortikosterona i kortizola pri bolezni Itsenko-Kushinga.
Probl Endokrinol (Mosk) 19:18-22, Mar-Apr 73 (Rus
ADENOMA, diagnosis/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENALECTOMY/ CARCINOID TUMOR, diagnosis/ CHROMATOGRAPHY/ *CORTICOSTERONE, secretion/ *CORTISONE, secretion/ *CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, surgery/ DIENCEPHALON, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ NEOPLASM METASTASIS/ PANCREATIC NEOPLASMS, diagnosis

1321. **Gonzàlez Gutièrrez JT:** Tratamiento auirùrgico de ovariosis poliquistica.
Ginecol Obstet Mex 33:335-45, Apr 73 (Sp
CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ PREGNANCY *STEIN-LEVENTHAL SYNDROME, surgery

1322. **Goodlad GA, Raymond MJ:** The action of the Walk 256 carcinoma and toxohormone on amino ac incorporation into diaphragm protein.
Eur J Cancer 9:139-45, Feb 73
ANIMAL EXPERIMENTS/ *CARCINOMA 256, WALKER, metabolism/ DEPRESSION, CHEMICAL/ DIAPHRAGM, drug effects/ DIAPHRAGM, metabolism/ *ENDOTOXINS, pharmacodynamics/ IN VITRO/ *LYSINE, metabolism/ MALE/ *MUSCLE PROTEINS, biosynthesis/ *MUSCLES, metabolism/ MYOFIBRILS, metabolism/ *NEOPLASM PROTEINS, pharmacodynamics/ RATS/ TOXOHORMONE, pharmacodynamics/ TRITIU

1323. **Goodner DM:** Antenatal diagnosis of genetic defec
J Reprod Med 10:261-8, Jun 73
ABORTION, THERAPEUTIC/ *AMNIOCENTESIS/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS, classification *CHROMOSOME ABNORMALITIES, diagnosis CRYING CAT SYNDROME, diagnosis/ FEMALE/ *FETAL DISEASES, diagnosis/ GENETIC COUNSELING/ GENETICS, HUMA HUMAN/ KLINEFELTER'S SYNDROME, diagnosis/ *METABOLIC DISEASES, diagnosi MONGOLISM, diagnosis/ PREGNANCY/ *PRENATAL DIAGNOSIS/ *SEX DIFFERENTIATION DISORDERS, diagnosis/ TURNER'S SYNDROME, diagnosis

1324. **Goodwin JF:** Clinical demonstrations.
Postgrad Med J 48:722-31, Dec 72
ACROMEGALY, complications/ ADULT/ CORONARY DISEASE, diagnosis/ DIAGNOSI DIFFERENTIAL/ FEMALE/ *HEART DISEASES, diagnosis/ HEART DISEASES, familial & genetic/ HEART DISEASES, pathology/ HEART ENLARGEMENT, diagnos HEART FAILURE, CONGESTIVE, diagnosis/ HUMAN/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, familial & genetic/ MALE/ MIDDLE AGE/ MUSCULAR DYSTROPHY, complications/ MYOCARDIAL DISEASES, SECONDARY, diagnosis/ MYOCARDIAL INFARCT, diagnos

Gootjes J, Funcke AB, Timmerman H, et al: Experiments in the 5H-dibenzo[a,d]cycloheptene series. Synthesis and pharmacology of some 5-substituted 6,7,8,9-tetrahydro-5H-benzocycloheptenes. Arzneim Forsch 22:2070-3, Dec 72
ALKYLATION/ ANESTHETICS, LOCAL/ ANIMAL EXPERIMENTS/ ANTICONVULSANTS/ ANTIDEPRESSIVE AGENTS/ ANTIHISTAMINICS, pharmacodynamics/ *BENZOCYCLOHEPTENES/ BENZOCYCLOHEPTENES, chem synthesis/ BENZOCYCLOHEPTENES, pharmacodynamics/ BENZOCYCLOHEPTENES, toxicity/ DIURETICS, pharmacodynamics/ EPINEPHRINE, antagonists & inhibitors/ ESTERS, chem synthesis/ ETHERS, chem synthesis/ LETHAL DOSE 50/ MICE/ OXIMES, chem synthesis/ PARASYMPATHOMIMETICS, antagonists & inhibitors/ RATS/ SEROTONIN, antagonists & inhibitors

Jorbman A, Hyder M: Failure of mammalian TRH to stimulate thyroid function in the lungfish. Gen Comp Endocrinol 20:588-9, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ FISHES/ *IODINE, metabolism/ IODINE ISOTOPES/ MALE/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

Jordin S, Birk Y, Volcani R: Changes in the milk protein separation pattern of Israeli-Friesian cows as related to period of lactation and feeding. J Dairy Sci 56:724-8, Jun 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *CATTLE, metabolism/ CATTLE, physiology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DIET/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *LACTATION/ *MILK PROTEINS, analysis/ TIME FACTORS

Jordon A: [Thyrotropin releasing hormone (TRH)] Harefuah 84:408-9, 1 Apr 73 (Heb)
HUMAN/ *THYROTROPIN RELEASING FACTOR, physiology

Jordon AS, Zanjani ED: Humoral control of hemopoiesis. Adv Intern Med 18:39-58, 1972 (99 ref.)
ADRENAL CORTEX HORMONES, physiology/ ALPHA GLOBULIN, physiology/ ANDROGENS, physiology/ ANEMIA, APLASTIC, metabolism/ ANIMAL EXPERIMENTS/ BASE SEQUENCE/ BLOOD PROTEINS, metabolism/ CELL DIVISION/ CHEMISTRY/ DOGS/ DRUG SYNERGISM/ ENDOCRINE GLANDS, physiology/ ERYTHROPOIESIS/ ERYTHROPOIETIN, analysis/ ERYTHROPOIETIN, metabolism/ ERYTHROPOIETIN, physiology/ ERYTHROPOIETIN, therapeutic use/ ERYTHROPOIETIN, urine/ GLYCOPROTEINS, physiology/ *HEMATOPOIESIS/ HUMAN/ KIDNEY, metabolism/ LEUKOCYTES/ LEUKOCYTOSIS/ LEUKOPENIA, etiology/ MICE/ POLYCYTHEMIA, metabolism/ POLYCYTHEMIA VERA, metabolism/ RADIATION EFFECTS/ RATS/ REVIEW/ THROMBOPOIETIN, physiology/ THYROID HORMONES, physiology

Jordon AS, Zanjani ED: Humoral control of hemopoiesis. Adv Intern Med 18:39-58, 1972 (99 ref.)
ADRENAL CORTEX HORMONES, physiology/ ALPHA GLOBULIN, physiology/ ANDROGENS, physiology/ ANEMIA, APLASTIC, metabolism/ ANIMAL EXPERIMENTS/ BASE SEQUENCE/ BLOOD PROTEINS, metabolism/ CELL DIVISION/ CHEMISTRY/ DOGS/ DRUG SYNERGISM/ ENDOCRINE GLANDS, physiology/ ERYTHROPOIESIS/ ERYTHROPOIETIN, analysis/ ERYTHROPOIETIN, metabolism/ ERYTHROPOIETIN, physiology/ ERYTHROPOIETIN, therapeutic use/ ERYTHROPOIETIN, urine/ GLYCOPROTEINS, physiology/ *HEMATOPOIESIS/ HEMATOPOIESIS, radiation effects/ HUMAN/ KIDNEY, metabolism/ LEUKOCYTES/ LEUKOCYTOSIS/ LEUKOPENIA, etiology/ MICE/ POLYCYTHEMIA, metabolism/ POLYCYTHEMIA VERA, metabolism/ RADIATION EFFECTS/ RATS/ REVIEW/ THROMBOPOIETIN, physiology/ THYROID HORMONES, physiology

1331. Gordon JH, Reichlin S: Failure to demonstrate urinary excretion of luteinizing hormone-releasing factor activity in the rat following intravenous injection of porcine hypothalamic extract. Endocrinology 93:259-61, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *HYPOTHALAMUS/ *LH, urine/ MALE/ PITUITARY HORMONE RELEASING FACTORS, blood/ *PITUITARY HORMONE RELEASING FACTORS, urine/ RADIOIMMUNOASSAY/ RATS/ SWINE/ *TISSUE EXTRACTS, pharmacodynamics

1332. Gordon PR, Huvos AG, Strong EW: Medullary carcinoma of the thyroid gland. A clinicopathologic study of 40 cases. Cancer 31:915-24, Apr 73
ADULT/ AGED/ AMYLOID/ CARCINOMA, mortality/ *CARCINOMA, pathology/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ RADICAL NECK DISSECTION/ *THYROID GLAND, pathology/ THYROID NEOPLASMS, mortality/ *THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery

1333. Gordon RL: Chemotherapy of genitourinary malignancies. Semin Drug Treat 3:69-72, Summer 73
ADENOCARCINOMA, drug therapy/ BLADDER NEOPLASMS, drug therapy/ BLEOMYCIN, therapeutic use/ CARCINOMA, EPIDERMOID, drug therapy/ CASTRATION/ DACTINOMYCIN, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, drug therapy/ MALE/ MELPHALAN, therapeutic use/ MITHRAMYCIN, therapeutic use/ NITROSOUREA COMPOUNDS, therapeutic use/ PHOSPHORUS ISOTOPES/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, surgery/ TESTICULAR NEOPLASMS, drug therapy/ *UROGENITAL NEOPLASMS, drug therapy/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

1334. Gospavić J, Krstić S, Vidaković Z: Alterni sindromi mezencefalona. Srp Arh Celok Lek 100:1053-63, Sep 72 (Ser)
ADULT/ AGED/ ATAXIA, diagnosis/ BRAIN DISEASES/ *CEREBRAL ARTERY DISEASES, diagnosis/ *CEREBROVASCULAR DISORDERS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MESENCEPHALON/ MIDDLE AGE/ OCULOMOTOR PARALYSIS, diagnosis/ PARALYSIS, diagnosis/ PINEALOMA, diagnosis/ RED NUCLEUS/ SLEEP DISORDERS, diagnosis/ SYNDROME/ TREMOR, diagnosis/ VESTIBULAR NUCLEI

1335. Gospodarowicz D: Preparation and characterization of plasma membranes from bovine corpus luteum. J Biol Chem 248:5050-6, 25 Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CELL FRACTIONATION/ *CELL MEMBRANE/ CELL NUCLEUS/ CENTRIFUGATION/ CENTRIFUGATION, DENSITY GRADIENT/ *CORPUS LUTEUM, cytology/ CORPUS LUTEUM, enzymology/ ENDOPLASMIC RETICULUM/ FEMALE/ FETUS, growth & development/ GLUCOSEPHOSPHATASE, metabolism/ IODINE ISOTOPES/ LH/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NUCLEOTIDASES, metabolism/ OXIDOREDUCTASES, metabolism/ PREGNANCY/ RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, enzymology

LIBRARY U. OF I., URBANA-CHAMPAIGN

1336. **Gospodarowicz D:** Properties of the luteinizing hormone receptor of isolated bovine corpus luteum plasma membranes. J Biol Chem 248:5042-9, 25 Jul 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BIOLOGICAL ASSAY/ CALCIUM, pharmacodynamics/ CATTLE/ CELL MEMBRANE/ *CORPUS LUTEUM/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, drug effects/ FEMALE/ FSH/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HUMAN/ IODINE/ IODINE ISOTOPES/ KINETICS/ *LH/ LH, pharmacodynamics/ PEROXIDASES/ *RECEPTORS, HORMONE/ SHEEP/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP

1337. **Göthlin G, Ericsson JL:** Studies on the ultrastructural localization of adenosine triphosphatase activity in fracture callus. Histochemie 35:111-26, 22 May 73
*ADENOSINE TRIPHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ CALLUS, cytology/ *CALLUS, enzymology/ CELL MEMBRANE, enzymology/ DECALCIFICATION TECHNIC/ EDTA, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FEMALE/ FEMORAL FRACTURES, enzymology/ FIBROBLASTS, enzymology/ HISTOCYTOCHEMISTRY/ LEAD/ LYSOSOMES, enzymology/ MAGNESIUM, pharmacodynamics/ MONOCYTES, enzymology/ OSTEOBLASTS, enzymology/ OSTEOGENESIS/ PHOSPHATES/ RATS

1338. **Gotlin RW:** Diazoxide therapy in the syndrome of Beckwith-Weidemann-Coombs.
J Pediatr 83:342-3, Aug 73
*ABNORMALITIES, MULTIPLE/ *ADRENAL GLAND DISEASES, drug therapy/ BLOOD SUGAR, analysis/ CHILD, PRESCHOOL/ DIAZOXIDE, administration & dosage/ *DIAZOXIDE, therapeutic use/ EPINEPHRINE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERINSULINISM, drug therapy/ HYPOGLYCEMIA, drug therapy/ INFANT/ *KIDNEY DISEASES/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ *UMBILICUS, abnormalities

1339. **Goto Y:** [Shock and adrenal cortex hormones] Jap J Anesthesiol 22:138-44, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ *DEXAMETHASONE, therapeutic use/ DOGS/ *METHYLPREDNISOLONE, therapeutic use/ *SHOCK, HEMORRHAGIC, drug therapy

1340. **Gottesman RL, Refetoff S:** Diagnosis and management of thyroid diseases in pregnancy.
J Reprod Med 11:19-22, Jul 73
FEMALE/ FETAL DISEASES, etiology/ HUMAN/ MATERNAL-FETAL EXCHANGE/ METHIMAZOLE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROPYLTHIOURACIL, therapeutic use/ *THYROID DISEASES, complications/ THYROID DISEASES, diagnosis/ THYROID DISEASES, physiopathology/ THYROID DISEASES, therapy/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, metabolism

1341. **Gottfires CG, Roos BE:** Acid monoamine metabolites in cerebrospinal fluid from patients with presenile dementia (Alzheimer's disease).
Acta Psychiatr Scand 49:257-63, 1973
AGED/ BLOOD-BRAIN BARRIER, drug effects/ DEMENTIA, PRESENILE, cerebrospinal fluid/ *DEMENTIA, PRESENILE, metabolism/ DOPAMINE, metabolism/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MIDDLE AGE/ PHENYLACETATES, cerebrospinal fluid/ *PHENYLACETATES, metabolism/ PROBENECID, diagnostic use/ PSYCHIATRIC STATUS RATING SCALES/ SEROTONIN, metabolism

1342. **Gottlieb LS, Southgate MT:** Acute adenopathy i young man. JAMA 224:1737-46, 25 Jun 73
ADULT/ ANIMAL EXPERIMENTS/ CASE REPORT/ DAPSONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ERYTHEMA NODOSUM, pathology/ GRANULOMA, pathology/ GUINEA PIGS/ HUMAN/ LEPROSY, diagnosis/ LEPROSY, drug therapy/ LEPROSY, microbiology/ *LEPROSY, pathology/ LYMPH NODES, pathology/ LYMPHADENITIS, pathology/ LYMPHOGRANULOMA VENEREUM, diagno MALE/ METHYLPREDNISOLONE, therapeu use/ MYCOBACTERIUM LEPRAE, isolation purification/ NECROSIS, pathology/ SKIN, pathology/ TUBERCULOSIS, MILIARY, diagnosis

1343. **Goubern M, N'Diaye-Buisson F, Terroine T:** A ascorbique et activités enzymatiques dans le testi de rat carencé en vitamine.
J Physiol (Paris) 65:Suppl 3:415A+, 1972 (
ANIMAL EXPERIMENTS/ *ASCORBIC ACI metabolism/ RATS/ TESTIS, enzymology/ *TESTIS, metabolism/ VITAMIN A DEFICIENCY, enzymology/ *VITAMIN A DEFICIENCY, metabolism

1344. **Gould AB, Goodman SA, Green D:** An in vivo effe renin on erythropoietin formation.
Lab Invest 28:719-22, Jun 73
ALPHA GLOBULIN, blood/ ANGIOTENSIN AMIDE, blood/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ ATMOSPHERIC PRESSURE/ BIOLOGICAL ASSAY/ *ERYTHROPOIETIN, biosynthesis/ ERYTHROPOIETIN, blood/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, analysis/ LIVER, analysis/ NEPHRECTOMY RENIN, administration & dosage/ RENIN, analysis/ RENIN, blood/ *RENIN, pharmacodynamics/ SPLEEN, analysis/ TH FACTORS

1345. **Gourmelen M, Donnadieu M, Raux MC, et al:** Etu cortisol et de l'hormone de croissance plasmatiq cours des variations provoquées ou non spontané la glycémie chez l'homme.
J Physiol (Paris) 65:Suppl 3:416A+, 1972
ADOLESCENCE/ ADULT/ *BLOOD SUGA metabolism/ CHILD/ FASTING/ GLUCAG pharmacodynamics/ HUMAN/ *HYDROCORTISONE, blood/ SOMATOTROPIN, blood

1346. **Goust JM, Moulias R, Reinert P, et al:** L'imm cellulaire envers les antigènes d'organe au cou affections endocriniennes. Etude opar le te migration des leucocytes.
Rev Fr Endocrinol Clin 13:401-11, Sep-Oct 72
ADRENAL GLAND HYPOFUNCTION, immunology/ *ANTIGENS, analysis/ *ENDOCRINE DISEASES, immunology/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, immunology/ HYPOPARATHYROIDISM, immunology/ HYPOPITUITARISM, immunology/ HYPOTHYROIDISM, immunology/ *IMMU CELLULAR/ LEUKOCYTES, immunology/ MYXEDEMA, immunology/ THYROIDITIS, immunology

1347. **Gozariu L, Bellwinkel S, Ziegler R:** Effects of se the calcitonin-dependent bone resorption in
Endocrinol Exp (Bratisl) 7:129-32, 1973
BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ HEA HUMAN/ IN VITRO/ PARATHYROID HORMONE, metabolism/ *THYROCALCIT pharmacodynamics

1348. **Gozariu L, Florescu O:** Calcitonin and glucose up isolated rat diaphragm. Horm Metab Res 5:145,
ANIMAL EXPERIMENTS/ CALCIUM, bio DIAPHRAGM/ *GLUCOSE, metabolism/ I

VITRO/ INSULIN, antagonists & inhibitors/ INSULIN, pharmacodynamics/ MALE/ *MUSCLES, metabolism/ PARATHYROID GLANDS, physiology/ RATS/ THYROCALCITONIN, pharmacodynamics/ *THYROCALCITONIN, pharmacodynamics

Grądzki J, Ziemiański A: Orbitoflebografia.
Neurol Neurochir Pol 7:343-9, May-Jun 73 **(Pol)**
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, radiography/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *ORBIT, blood supply/ *ORBITAL NEOPLASMS, radiography/ *PHLEBOGRAPHY/ POSTURE

Graham DR, Frost HM: Candida guilliermondi infection of the knee complicating rheumatoid arthritis: a case report.
Arthritis Rheum 16:272-7, Mar-Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ ANKYLOSIS, complications/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ CANDIDA, isolation & purification/ FEMALE/ HUMAN/ *KNEE JOINT/ MIDDLE AGE/ *MONILIASIS, complications/ MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, drug therapy/ SYNOVIAL FLUID, microbiology/ SYNOVIAL MEMBRANE, pathology/ SYNOVITIS, complications/ SYNOVITIS, microbiology/ SYNOVITIS, surgery

Graham GG, Baertl JM, Claeyssen G, et al: Thyroid hormonal studies in normal and severely malnourished infants and small children.
J Pediatr 83:321-31, Aug 73
AGE DETERMINATION BY SKELETON/ BLOOD PROTEINS, analysis/ BODY HEIGHT/ BODY WEIGHT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *INFANT NUTRITION DISORDERS, blood/ IODINE ISOTOPES, DIAGNOSTIC/ KWASHIORKOR, blood/ MALE/ PROTEIN-BOUND IODINE TEST/ THYROGLOBULIN, blood/ *THYROID HORMONES, blood/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, blood

raham SL, Hansen WH, Davis KJ, et al: Effects of one-year administration of ethylenethiourea upon the thyroid of the rat.
J Agric Food Chem 21:324-9, May-Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARCINOMA, chemically induced/ FEMALE/ IMIDAZOLES/ *IMIDAZOLES, toxicity/ IODINE ISOTOPES/ MALE/ ORGAN WEIGHT/ RATS/ *THYROID GLAND, drug effects/ THYROID NEOPLASMS, chemically induced/ TIME FACTORS

raham WP 3d, Pataky PE, Whitaker LA, et al: Transarticular joint amputations: the value of preserving articular cartilage.
Surg Res 14:524-37, Jun 73
*AMPUTATION/ AMPUTATION STUMPS/ ANIMAL EXPERIMENTS/ BONE AND BONES, pathology/ CARTILAGE, ARTICULAR, pathology/ *CARTILAGE, ARTICULAR, surgery/ *FINGER JOINT/ FINGERS, pathology/ INFLAMMATION, complications/ MALE/ MONKEYS/ STAINS AND STAINING/ TIME FACTORS/ *TOE JOINT/ TOES, pathology/ WOUND HEALING

angaud R: La vitamine A, facteur de régulation de la téroïdogenése.
Bull Acad Natl Med (Paris) 156:250-9, Feb-Mar 72 **(Fre)**
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHEMISTRY/ PLACENTA, metabolism/ RATS/ *STEROIDS, biosynthesis/ STEROIDS, metabolism/ TISSUE EXTRACTS/ *VITAMIN A, physiology/ *VITAMIN A DEFICIENCY, metabolism

ant G, Vale W, Guillemin R: Characteristics of the ituitary binding sites for thyrotropin releasing ctor. Endocrinology 92:1629-33, Jun 73
BINDING, COMPETITIVE/ *BINDING SITES/ KINETICS/ MICE/ *PITUITARY GLAND, metabolism/ RECEPTORS, DRUG/ *THYROTROPIN RELEASING FACTOR, metabolism/ TRITIUM

1356. **Grant PS:** The effect of progesterone and oestradiol on blastocysts cultured within the lumina of immature mouse uteri. J Embryol Exp Morphol 29:617-38, Jun 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *EMBRYO, drug effects/ EMBRYO, growth & development/ EMBRYO, physiology/ *ESTRADIOL, pharmacodynamics/ MICE/ NIDATION, drug effects/ ORGAN CULTURE/ *OVUM, drug effects/ OVUM, growth & development/ OVUM, physiology/ OVUM, transplantation/ OXYGEN CONSUMPTION, drug effects/ PREGNANCY/ *PROGESTERONE, pharmacodynamics

1357. **Grantyn R, Margnelli M, Mancia M, et al:** Postsynaptic potentials in the mesencephalic and pontomedullar reticular regions underlying descending limbic influences. Brain Res 56:107-21, 29 Jun 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CATS/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEEDBACK/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ *LIMBIC SYSTEM, physiology/ *MEDULLA OBLONGATA, physiology/ *MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION/ NEURONS/ *RETICULAR FORMATION, physiology/ SEPTUM PELLUCIDUM, physiology

1358. **Grase EU:** Blutungsanomalien bei Trichomonas vaginalis.
Dtsch Med Wochenschr 98:375-9, 23 Feb 73 **(Ger)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CERVICITIS, complications/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ ESTROGENS, blood/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, etiology/ METRONIDAZOLE, therapeutic use/ MIDDLE AGE/ SEASONS/ *TRICHOMONAS VAGINITIS, complications/ TRICHOMONAS VAGINITIS, diagnosis/ TRICHOMONAS VAGINITIS, drug therapy/ VAGINITIS, complications

1359. **Grasset J, Gauthier R:** Prévention des troubles vasculaires au cours de l'administration des contraceptifs oestro-progestatifs par une médication composée à base d'extrait de Ginkgo biloba.
Phlebologie 25:269-72, Jul-Sep 72 **(Fre)**
AMINO ALCOHOLS, therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ PLANT EXTRACTS, administration & dosage/ *PLANTS/ PROGESTATIONAL HORMONES, adverse effects/ VASCULAR DISEASES, chemically induced/ *VASCULAR DISEASES, prevention & control/ *VASOCONSTRICTOR AGENTS, therapeutic use

1360. **Grattarola R:** Androgens in breast cancer. I. Atypical endometrial hyperplasia and breast cancer in married premenopausal women.
Am J Obstet Gynecol 116:423-8, 1 Jun 73
ADULT/ *ANDROGENS, metabolism/ ANDROGENS, secretion/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, physiopathology/ *ENDOMETRIAL HYPERPLASIA, complications/ ESTROGENS, metabolism/ ESTROGENS, secretion/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ OVARY, physiopathology/ OVULATION/ STEROIDS, urine

1361. **Grau JD, Matthews EK, Legros JJ, et al:** Nouvelles données en faveur d'une sécrétion des hormones neuro-hypophysaires par exocytose.
J Physiol (Paris) 65:Suppl 3:417A, 1972 **(Fre)**

LIBRARY U. OF I., URBANA-CHAMPAIGN

ANIMAL EXPERIMENTS/ CELL MEMBRANE PERMEABILITY, drug effects/ *CELLS, secretion/ EXOCYTOSIS/ IN VITRO/ *LACTATE DEHYDROGENASE, secretion/ LANTHANUM, pharmacodynamics/ *NEUROPHYSINS, secretion/ *OXYTOCIN, secretion/ *PITUITARY GLAND, POSTERIOR, secretion/ RATS

1362. **Grau Real F:** Tres años de experiencia clínica con pancuronio.
Rev Esp Anestesiol Reanim 20:210-4, Apr 73 (Spa)
ADOLESCENCE/ ADULT/ *ANDROSTANES/ *ANESTHESIA ADJUVANTS/ *CURARE-LIKE AGENTS/ EVALUATION STUDIES/ HUMAN/ PANCURONIUM

1363. **Graziano JH, Thornton YS, Leong JK, et al:** Pharmacology of cyanate. II. Effects on the endocrine system. J Pharmacol Exp Ther 185:667-75, Jun 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, analysis/ CYANATES, administration & dosage/ *CYANATES, pharmacodynamics/ DIET/ DIURESIS, drug effects/ *ENDOCRINE GLANDS, drug effects/ GONADOTROPINS, CHORIONIC, physiology/ HORMONES, antagonists & inhibitors/ HYPOPHYSECTOMY/ INSULIN, physiology/ IODINE ISOTOPES/ LH, analysis/ LH, antagonists & inhibitors/ MICE/ MICE, INBRED C57BL/ ORGAN WEIGHT/ PHOSPHORUS ISOTOPES/ PITUITARY GLAND, physiology/ RATS/ REPRODUCTION, drug effects/ THYROID GLAND, drug effects/ THYROID GLAND, physiology/ THYROTROPIN, analysis/ THYROTROPIN, antagonists & inhibitors

1364. **Grebe SF:** Radiologische Vorsorgeuntersuchungen der Schilddrüse. Z Allgemeinmed 49:762-7, 10 Jun 73 (Ger)
HUMAN/ INFANT/ *RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis

1365. **Grebennikov VA, Telegina SA, Ol'shanskii VM:** Ob obmene serotonina u bol'nykh disseminirovannym nierodermitom.
Vestn Dermatol Venerol 47:20-3, Apr 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ MAST CELLS, analysis/ *NEURODERMATITIS, metabolism/ RATS/ SEROTONIN, blood/ *SEROTONIN, metabolism/ SKIN, analysis

1366. **Green AR, Koslow SH, Costa E:** Identification and quantitation of a new indolealkylamine in rat hypothalamus. Brain Res 51:371-4, 15 Mar 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ *HYPOTHALAMUS, analysis/ MASS SPECTRUM ANALYSIS/ PINEAL BODY, physiology/ RATS/ *SEROTONIN, isolation & purification/ *TRYPTAMINES, isolation & purification

1367. **Green JD, Carden TS Jr, Hammond CB, et al:** Angiographic demonstration of arteriovenous shunts in pulmonary metastatic choriocarcinoma.
Radiology 108:67-70, Jul 73
ADULT/ *ARTERIOVENOUS FISTULA, etiology/ ARTERIOVENOUS FISTULA, radiography/ BLOOD GAS ANALYSIS/ *CHORIOCARCINOMA, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, complications/ NEOPLASM METASTASIS/ OXYGEN, blood/ *PULMONARY ARTERY, radiography/ PULMONARY EMBOLISM, radiography/ RESPIRATORY INSUFFICIENCY, etiology/ *UTERINE NEOPLASMS

1368. **Greenberg S, Kadowitz PJ, Schedl HP, et al:** Effect of age and testosterone on calcium content and reactivity of guinea-pig vas deferens.
J Pharmacol Exp Ther 185:505-13, Jun 73
AGE FACTORS/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ HALF-LIFE/ IN VITRO/ KINETICS/ MALE/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ ORGAN WEIGHT/ PIPERAZINES, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ *VAS DEFERENS, metabolism/ VAS DEFERENS, physiology

1369. **Greenberg S, Long JP, Diecke FP:** Differentiation calcium pools utilized in the contractile response canine arterial and venous smooth muscle norepinephrine.
J Pharmacol Exp Ther 185:493-504, Jun 7
ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ BARIUM, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES, CHLORIDES, pharmacodynamics/ DOGS/ MESENTERIC ARTERIES, drug effects/ MESENTERIC VEINS, drug effects/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RUTHENIUM, pharmacodynamics/ SAPHENOUS VEIN, drug effects/ SKIN, blood supply/ TIBIA, blood supply/ VEINS, drug effects

1370. **Greenleaf JE:** Temperature regulation during ex exercise. Acta Physiol Pol [Suppl] 24:67-75
BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ *EXERTION HEART, physiology/ HEART RATE/ HUMAN HYPOTHALAMUS, physiology/ PARASYMPATHETIC NERVOUS SYSTEM physiology/ SKIN TEMPERATURE/ SODIUM blood/ SWEAT GLANDS, physiology/ SWEATING/ SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS

1371. **Greensides RD, Mead RA:** Ovulation in the s skunk (Spilogale putorius latifrons).
Biol Reprod 8:576-84, Jun 73
ANIMAL EXPERIMENTS/ BIOPSY/ *CARNIVORA, physiology/ CORPUS LUTEUM anatomy & histology/ *ESTRUS/ FALLOPIAN TUBES, anatomy & histology/ FEMALE/ GRAAFIAN FOLLICLE, anatomy & histo *OVULATION/ SEASONS/ SEX BEHAVIOR ANIMAL/ SOCIAL ISOLATION/ TIME FACTORS/ UTERUS, anatomy & histolo VAGINA, anatomy & histology

1372. **Greenwood HL:** The effects of actinomyc gibberellin A7, and cyclic AMP on mati Chlamydomonas reinhardtii.
J Protozool 20:305-7, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ALGAE, GREEN, growth & developmen CHLAMYDOMONAS, drug effects/ CHLAMYDOMONAS, growth & developm CULTURE MEDIA/ *DACTINOMYCIN, pharmacodynamics/ *GIBBERELLINS, pharmacodynamics

1373. **Greer S, Ramsay I, Bagley C:** Neurotic and th anxiety: clinical, psychological and physi measurements. Br J Psychiatry 122:549-54,
ACOUSTIC STIMULATION/ ADULT/ A *ANXIETY, diagnosis/ ATTITUDE TO HEALTH/ AUDITORY PERCEPTION/ EVALUATION STUDIES/ FEMALE/ GALVANIC SKIN RESPONSE/ HABITU (PSYCHOPHYSIOLOGY)/ HOSPITALS, GENERAL/ HOSPITALS, TEACHING/ HUMAN/ *HYPERTHYROIDISM/ INTER PSYCHOLOGICAL/ MALE/ MIDDLE AG *NEUROSES, ANXIETY, diagnosis/ PERSONALITY INVENTORY/ QUESTIONNAIRES/ SELF CONCEPT

1374. **Greig F, Weiss J:** Preovulatory levels of lut

hormone, the critical period and ovulation in rats. J Endocrinol 57:235-45, May 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ HEART/ HYPOPHYSECTOMY/ *LH, blood/ *OVULATION/ OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PUNCTURES/ RADIOIMMUNOASSAY/ RATS

riffin EE, Miller LL: Effects of hypothyroidism, hyperthyroidism, and thyroxine on net synthesis of plasma proteins by the isolated perfused rat liver. Modulation of the response to insulin plus cortisol in the net synthesis of albumin, fibrinogen, 1-acid glycorprotein, 2-(acute phase) globulin, and haptoglobin. J Biol Chem 248:4716-23, 10 Jul 73
ALPHA GLOBULIN, biosynthesis/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, biosynthesis/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FIBRINOGEN, biosynthesis/ GLYCOPROTEINS, biosynthesis/ HAPTOGLOBINS, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ *HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, metabolism/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ METHIMAZOLE/ PERFUSION/ RATS/ SERUM ALBUMIN, biosynthesis/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE/ THYROXINE, administration & dosage

riffith ER, Stonebridge JB, Piernick D, et al: Development of a method of X-ray densitometry for bone mineral measurement.
Am J Phys Med 52:128-49, Jun 73
ALUMINUM/ BONE AND BONES, analysis/ *BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, instrumentation/ FOOT/ HEEL/ HUMAN/ MATHEMATICS/ METHODS/ MINERALS, analysis/ SPECTRUM ANALYSIS

riffiths CT, Hall TC, Saba Z, et al: Preliminary trial of aminoglutethimide in breast cancer.
Cancer 32:31-7, Jul 73
ADMINISTRATION, ORAL/ AMINOGLUTETHIMIDE, administration & dosage/ AMINOGLUTETHIMIDE, adverse effects/ *AMINOGLUTETHIMIDE, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BONE NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, urine/ CASTRATION/ CENTRAL NERVOUS SYSTEM, drug effects/ DEXAMETHASONE, therapeutic use/ ESTROGENS, urine/ FEMALE/ FLUDROCORTISONE, therapeutic use/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ NEOPLASM METASTASIS/ OVARY/ REMISSION/ SKIN NEOPLASMS, drug therapy

rigorian AV, Gostishchev VK, Tolstykh PI: Sovremennoe predstavlenie o patogeneze roficheskikh iazv.
Zh Eksp Klin Med 12:47-54, 1972 (Rus)
ADRENAL GLANDS, physiopathology/ HUMAN/ PHAGOCYTOSIS/ REGENERATION/ ULCER, blood/ *ULCER, etiology

1380. Grigoriev PIa, Korolev RV, Pirogov AB: Sravnitel'naia kliniko-morfologicheskaia kharakteristika endemicheskogo zoba v Amurskoĭ Oblasti.
Vestn Khir 110:37-40, Jan 73 (Rus)
ADENOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, ENDEMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ RADIOISOTOPE SCANNING/ RUSSIAN FEDERATION (ASIA)/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis

1381. Griño E: Mezentsefal'no-gipotalamo-limbi-cheskaia regulatsiia vydeleniia gipofizarnykh gonadotropinov.
Probl Endokrinol (Mosk) 19:49-54, Mar-Apr 73 (51 ref.) (Rus)
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPERTROPHY, chemically induced/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiopathology/ *LIMBIC SYSTEM, physiology/ MENARCHE/ MENSTRUATION/ *MESENCEPHALON, physiology/ NEURONS, AFFERENT, cytology/ NEURONS, EFFERENT, cytology/ OVULATION, drug effects/ PARASYMPATHOLYTICS, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM/ PITUITARY DISEASES, chemically induced/ PITUITARY GLAND, physiopathology/ PUBERTY/ PUBERTY, PRECOCIOUS/ RATS/ REVIEW

1382. Grisoli J, Farisse J, Argeme M, et al: Métastase entéro-mésentérique tardive d'une tumeur de la granulosa.
Sem Hop Paris 49:649-55, 20 Feb 73 (Fre)
AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GRANULOSA CELL TUMOR/ GRANULOSA CELL TUMOR, pathology/ GRANULOSA CELL TUMOR, surgery/ HUMAN/ *ILEUM/ *INTESTINAL NEOPLASMS/ INTESTINAL NEOPLASMS, pathology/ INTESTINAL NEOPLASMS, surgery/ INTESTINAL OBSTRUCTION, etiology/ INTESTINAL POLYPS/ *MESENTERY/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS

1383. Grivaux M, Soulié J, Diallo A, et al: L'hyperosmolarité thérapeutique.
Ann Med Interne (Paris) 124:253-6, Mar 73 (Fre)
ADULT/ BICARBONATES, therapeutic use/ BLOOD TRANSFUSION/ *BRAIN DISEASES, chemically induced/ DIAZEPAM, poisoning/ FEMALE/ *GLUCOSE, adverse effects/ GLUCOSE, therapeutic use/ *HEART ARREST, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYPERTONIC SOLUTIONS, adverse effects/ INFUSIONS, PARENTERAL/ INSULIN, therapeutic use/ *LIVER DISEASES, chemically induced/ MALE/ METARAMINOL, therapeutic use/ NECROSIS, chemically induced/ OSMOLAR CONCENTRATION/ PANCREATIC DISEASES, chemically induced/ PHENOBARBITAL, poisoning/ *POISONING, drug therapy/ TROMETHAMINE, adverse effects

1384. Grob M, Binswanger U: Ultrasound measurement of os calcis width for photo absorption studies.
Invest Radiol 8:156-9, May-Jun 73
ABSORPTION/ *BONE AND BONES, analysis/ HUMAN/ MASS SPECTRUM ANALYSIS/ *ULTRASONICS

1385. Groen JJ: Alveolaire osteoporose en atrofie als oorzaak van parodontopathie.
Ned Tijdschr Tandheelkd 79:409-15, Nov 72 (Dut)
ALVEOLAR PROCESS, physiopathology/ ATROPHY/ ENGLISH ABSTRACT/ HUMAN/ *OSTEOPOROSIS, complications/ *PERIODONTAL DISEASES, etiology

1386. Grolleau JY, Hardy M, Hervouet D, et al: Tumeurs carcinoïdes á double localisation iléale et bronchique. (á propos d'un cas.

LIBRARY U. OF I., URBANA-CHAMPAIGN

J Chir (Paris) 104:413-24, Nov 72 (Fre)
AUTOPSY/ BRADYKININ, analysis/ BRONCHIAL NEOPLASMS/ BRONCHIAL NEOPLASMS, pathology/ *CARCINOID TUMOR/ CARCINOID TUMOR, pathology/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYINDOLEACETIC ACID, analysis/ *ILEUM/ *INTESTINAL NEOPLASMS/ INTESTINAL NEOPLASMS, pathology/ LIVER NEOPLASMS/ LIVER NEOPLASMS, pathology/ MALE/ *MALIGNANT CARCINOID SYNDROME/ MIDDLE AGE/ NEOPLASM METASTASIS/ SEROTONIN, analysis/ SKIN MANIFESTATIONS

1387. **Gross F, Möhring J:** Renal pharmacology, with special emphasis on aldosterone and angiotensin.
Annu Rev Pharmacol 13:57-90, 1973 (307 ref.)
ACETATES, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, metabolism/ ALDOSTERONE, metabolism/ *ALDOSTERONE, pharmacodynamics/ ALDOSTERONE, secretion/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ DOGS/ EPITHELIUM, metabolism/ FROGS/ HEMODYNAMICS, drug effects/ IN VITRO/ *KIDNEY, drug effects/ KIDNEY, enzymology/ KIDNEY, metabolism/ KINETICS/ PROTEIN BINDING/ REVIEW/ SODIUM, metabolism/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

1388. **Gross JB, Barter FC:** Effects of prostaglandins E 1, A 1, and F 2 on renal handling of salt and water.
Am J Physiol 225:218-24, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ *KIDNEY, drug effects/ *NATRIURESIS, drug effects/ POTASSIUM, urine/ *PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ WATER DEPRIVATION/ *WATER-ELECTROLYTE BALANCE, drug effects

1389. **Gross P, Braun DC, DeTreville RT:** The pulmonary response to coal dust.
Ann NY Acad Sci 200:155-65, 29 Dec 72
ANIMAL EXPERIMENTS/ ATELECTASIS, etiology/ BCG VACCINATION/ *COAL MINING/ *DUST/ ENVIRONMENTAL EXPOSURE/ GRANULOMA, etiology/ GUINEA PIGS/ HUMAN/ INJECTIONS/ *LUNG, immunology/ LUNG DISEASES, etiology/ LYMPH NODES, immunology/ PNEUMOCONIOSIS, etiology/ PNEUMONIA, etiology/ PREDNISOLONE, pharmacodynamics/ PULMONARY FIBROSIS, etiology/ RESPIRATION/ SILICA/ TUBERCULIN

1390. **Grossman SB, Bloch E:** Comparative placental steroid synthesis. II. C 19 steroid metabolism by guinea-pig placentas and fetal adrenals in vitro.
Steroids 21:813-32, Jun 73
*ADRENAL GLANDS, metabolism/ *ANDROGENS, metabolism/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANDROSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ FETUS/ GUINEA PIGS/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ *17-KETOSTEROIDS, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE, biosynthesis/ TIME FACTORS/ TRITIUM

1391. **Grota LJ:** Effects of litter size, age of young, and parity on foster mother behaviour in Rattus norvegicus.
Anim Behav 21:78-82, Feb 73
AGE FACTORS/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *ANIMALS, NEWBORN, growth & development/ FEMALE/ HOUSING, ANIMAL/ LACTATION/ *MATERNAL BEHAVIOR/ NESTING BEHAVIOR/ *PARI PREGNANCY/ RATS

1392. **Grozdea J, Colombies P, Verdier J:** Déficit quant multienzymatique et maisségrégation chromosom les trisomiques 21 et leurs parents.
Nouv Presse Med 2:1289-91, 12 May 73
ADULT/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, KARYOTYPING/ MALE/ *METABOLISM, INBORN ERRORS, familial & genetic/ MIDDLE AGE/ MONGOLISM, enzymology/ *MONGOLISM, familial & genetic/ SEX CHROMOSOMES

1393. **Grumme T:** Die zweidimensionale Echoenzephalographie (B-Scan.
Dtsch Med Wochenschr 98:1234-8, 15 Jun 73
ADULT/ *BRAIN NEOPLASMS, diagnosis/ CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CHILD/ CHORIOCARCINOMA, diagnosis/ *ECHOENCEPHALOGRAPHY/ EVALUATION STUDIES/ HUMAN/ MENINGIOMA, diagnosis/ METHODS/ NEOPLASM METASTASIS

1394. **Grundsell H, Nilsson I, Nordqvist S:** Progest concentration in human endometrium.
Lancet 1:888, 21 Apr 73
ADOLESCENCE/ ADULT/ CORPUS LUTE secretion/ *ENDOMETRIUM, metabolism/ FEMALE/ HUMAN/ PROGESTERONE, blo *PROGESTERONE, metabolism/ PROGESTERONE, secretion/ RECEPTORS, HORMONE/ SECRETORY RATE

1395. **Grünert A, Ritter G:** Messverfahren zum Nachwe plastischen Knochenveränderungen im Mik Bereich.
Res Exp Med (Berl) 160:213-9, 21 May 73
BIOMETRY/ BONE AND BONES, cytology *BONE AND BONES, physiology/ *ELASTICITY/ ENGLISH ABSTRACT/ FEMUR/ FRACTURE FIXATION, INTERN HUMAN/ METHODS/ *PRESSURE

1396. **Grunert E, Schulz LC, Esser J:** The effec intrauterine injections of iodine solution o duration of the oestrous cycle in cows.
J Reprod Fertil 33:497-9, Jun 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRUS, drug effects/ FEM IODINE, administration & dosage/ *IODIN pharmacodynamics/ TIME FACTORS/ *UTERUS

1397. **Grütznер P, Spivey BE, Sanger R:** Linkage stud X-linked retinitis pigmentosa.
Monogr Hum Genet 6:195, 1972
BLOOD GROUPS/ COLOR PERCEPTION/ HUMAN/ *LINKAGE (GENETICS)/ RECOMBINATION, GENETIC/ *RETINITIS PIGMENTOSA, familial & genetic/ SEX CHROMOSOMES

1398. **Gruzova MN, Dziuba SM:** Solitarnyi tip oogene primere plastinchatozhabernogo mollíusca Mizuhopecten yessoensis.
Tsitologiia 15:283-90, Mar 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL MEMBRANE analysis/ CELL NUCLEUS, analysis/ ENG ABSTRACT/ FEMALE/ GONADS, physiolo HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNICS/ IN VITRO/ MEIOSIS/ *MOLLUSCA, physiology/ *OVUM, cytolog RNA, biosynthesis/ TRITIUM/ URIDINE/ VITELLINE MEMBRANE, cytology

1399. **Guazzi M, Fiorentini C, Polese A, et al:** Hemody factors conditioning the hypotensive respon phentolamine. Limitations of the test in the scr of pheochromocytoma. Jap Heart J 14:1-11,
BLOOD PRESSURE, drug effects/ CARDI OUTPUT, drug effects/

ELECTROCARDIOGRAPHY/ FALSE POSITIVE REACTIONS/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION, physiopathology/ PHENTOLAMINE, adverse effects/ *PHENTOLAMINE, diagnostic use/ *PHEOCHROMOCYTOMA, diagnosis/ VASCULAR RESISTANCE, drug effects

Guenter W, Sell JL: Magnesium absorption and secretion along the gastrointestinal tract of the chicken. J Nutr 103:875-81, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BONE AND BONES, metabolism/ CHICKENS/ COLON, metabolism/ DUODENUM, metabolism/ *GASTROINTESTINAL SYSTEM, metabolism/ GASTROINTESTINAL SYSTEM, secretion/ ILEUM, metabolism/ INJECTIONS, INTRAMUSCULAR/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ LIVER, metabolism/ MAGNESIUM/ MAGNESIUM, administration & dosage/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, secretion/ MALE/ MYOCARDIUM, metabolism/ RADIOISOTOPES/ TIBIA, metabolism/ TIME FACTORS

Guibaud P, Larbre F, Freycon MT, et al: Ostéopétrose et acidose rénale tubulaire. Deux cas de cette association dans une fratrie.
Arch Fr Pediatr 29:269-86, Mar 72 (Fre)
*ACIDOSIS, RENAL TUBULAR, complications/ ACIDOSIS, RENAL TUBULAR, familial & genetic/ BICARBONATES, blood/ BICARBONATES, urine/ CHILD, PRESCHOOL/ CONSANGUINITY/ ENGLISH ABSTRACT/ GROWTH DISORDERS/ HUMAN/ INFANT/ KIDNEY FUNCTION TESTS/ MALE/ *OSTEOPETROSIS, complications/ OSTEOPETROSIS, diagnosis/ OSTEOPETROSIS, familial & genetic/ RICKETS, etiology

Guibaud P, Mathieu M: Hétèrogénéite de la glycogénose type VI. Etude de l'activité de la phosphorylase leucocytaire dans deux familles.
Arch Fr Pediatr 29:1043-57, Dec 72 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FEMALE/ *GLUCOSYLTRANSFERASES, metabolism/ *GLYCOGENOSIS, familial & genetic/ HUMAN/ INFANT/ *LEUKOCYTES, enzymology/ LIVER DISEASES, familial & genetic/ MALE/ PEDIGREE/ PHOSPHORYLASE KINASE, metabolism

Guidotti A, Zivkovic B, Pfeiffer R, et al: Involvement of 3',5'-cyclic adenosine monophosphate in the increase of tyrosine hydroxylase activity elicited by cold exposure.
Naunyn Schmiedebergs Arch Pharmacol 278:195-206, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ *ADRENAL MEDULLA, enzymology/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ COLD/ DOPAMINE, metabolism/ MALE/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ RATS/ STRESS/ TIME FACTORS/ TRITIUM/ TYROSINE, metabolism/ *TYROSINE HYDROXYLASE, biosynthesis

Guihard J: Traitements actuels des diabètes insipides.
Therapie 27:1053-9, Nov-Dec 72 (Fre)
CARBAMAZEPINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHLORPROPAMIDE, therapeutic use/ CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIET, SALT-FREE/ ENGLISH ABSTRACT/ HUMAN/ LYSINE, therapeutic use/ VASOPRESSIN, therapeutic use

Guillemin R, Burgus R: The hormones of the hypothalamus. Sci Am 227:24-33, Nov 72
ANIMAL EXPERIMENTS/ CHEMISTRY/ FEMALE/ FSH, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS/ *LH, secretion/ NEUROHUMORS, physiology/ PITUITARY GLAND, physiology/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PITUITARY HORMONE RELEASING FACTORS, physiology/ SHEEP/ *THYROTROPIN RELEASING FACTOR/ THYROTROPIN RELEASING FACTOR, chem synthesis/ THYROTROPIN RELEASING FACTOR, isolation & purification/ THYROTROPIN RELEASING FACTOR, physiology

1406. Guinet P, Tourniaire J, Orgazzi J, et al: Myxoedéme périphérique; aménorrhée-galactorrhée; image radiologique d'adénome hypophysaire; hyper-thyréostimulinie freinable.
Ann Endocrinol (Paris) 33:376-89, Jul-Aug 72 (Fre)
*ADENOMA, complications/ ADENOMA, radiography/ ADULT/ *AMENORRHEA, complications/ AMENORRHEA, drug therapy/ BASAL METABOLISM/ BIOLOGICAL ASSAY/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LACTATION DISORDERS, complications/ *MYXEDEMA, complications/ MYXEDEMA, drug therapy/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ RADIOIMMUNOASSAY/ SELLA TURCICA, radiography/ SEX CHARACTERISTICS/ SOMATOTROPIN, secretion/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, therapeutic use/ TOMOGRAPHY, RADIOGRAPHIC

1407. Gukelberger M: Die moderne Behandlung der progressiv chronischen Polyarthritis.
Praxis 62:697-707, 29 May 73 (Ger)
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, therapy/ BLOOD TRANSFUSION/ CHRONIC DISEASE/ GLUCOCORTICOIDS, therapeutic use/ GOLD, administration & dosage/ HUMAN/ PARASYMPATHOLYTICS, therapeutic use/ PHYSICAL THERAPY/ RECURRENCE

1408. Gulati J: Cooperative interaction of external calcium, sodium, and ouabain with the cellular potassium in smooth muscle. Ann NY Acad Sci 204:337-57, 30 Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BODY FLUIDS/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CAROTID ARTERIES/ COLON/ DOGS/ DRUG INTERACTIONS/ EXTRACELLULAR SPACE/ IN VITRO/ KINETICS/ MATHEMATICS/ *MUSCLE, SMOOTH, metabolism/ MYOCARDIUM, metabolism/ *OUABAIN, metabolism/ OUABAIN, pharmacodynamics/ POTASSIUM, analysis/ *POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ POTASSIUM ISOTOPES/ *SODIUM, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SUCROSE, pharmacodynamics/ TIME FACTORS

1409. Gulyi MF, Radionov NT, Shabel'nik NM: Vzaiemoz'iazok mizh vmistom deiakykh komponentiv u slyni i molochnoiu produktyvnistiu laktuiuchykh koriv.
Ukr Biokhim Zh 44:547-50, 1972 (Ukr)
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BICARBONATES, analysis/ CATTLE/ CATTLE, physiology/ COLORIMETRY/ DAIRYING/ ENGLISH ABSTRACT/ FEMALE/ *LACTATION/ PHOSPHORUS, analysis/ PREGNANCY/ *SALIVA, analysis/ SODIUM/ UREA, analysis

1410. Gumaa KA, McLean P: The kinetic quantitation of ATP: D-glucose 6-phosphotransferases.

LIBRARY U. OF I., URBANA-CHAMPAIGN

FEBS Lett 27:293-7, 1 Nov 72
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ FEMALE/ FRUCTOSE/ GLUCOKINASE, blood/ *GLUCOKINASE, metabolism/ GLUCOSE/ HEXOKINASE, blood/ *HEXOKINASE, metabolism/ HUMAN/ ISOENZYMES, metabolism/ KINETICS/ LACTATION/ LEUKOCYTES, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MAMMAE, enzymology/ MATHEMATICS/ PREGNANCY/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ WEANING

1411. **Gumpert J, Sharpe D, Curzon G:** Amine metabolites in the cerebrospinal fluid in Parkinson's disease and the response to levodopa. J Neurol Sci 19:1-12, May 73
ADULT/ AGED/ DOPA, administration & dosage/ DOPA, adverse effects/ *DOPA, therapeutic use/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ *HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ *PARKINSONISM, cerebrospinal fluid/ PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ *PHENYLACETATES, cerebrospinal fluid/ SEROTONIN, metabolism/ TRYPTOPHAN, therapeutic use

1412. **Gunn SD, Pearce OD, Moore RH:** A case of intestinal torsion in the equine. Vet Rec 92:148-9, 10 Feb 73
ANIMAL EXPERIMENTS/ BETAMETHASONE, therapeutic use/ COLIC, drug therapy/ COLIC, therapy/ COLIC, veterinary/ FEVER, veterinary/ *HORSE DISEASES/ HORSES/ INTESTINAL DISEASES, surgery/ *INTESTINAL DISEASES, veterinary/ MALE/ MEPERIDINE, therapeutic use/ TORSION, surgery/ TORSION, veterinary

1413. **Gupta ML, Gupta TK, Bhargava KP:** Evidence for non-involvement of central catecholamines in copper acetate induced ovulation.
Jap J Pharmacol 23:1-4, Feb 73
ACETATES/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, physiology/ *COPPER, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ *OVULATION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ TIME FACTORS

1414. **Gupta RC, Popovtzer MM, Huffer WE, et al:** Regional migratory osteoporosis.
Arthritis Rheum 16:363-8, May-Jun 73
*ANKLE JOINT/ BIOPSY/ BONE AND BONES, pathology/ BONE REGENERATION/ BONE RESORPTION, pathology/ CASE REPORT/ CYANOSIS, complications/ FOOT, radiography/ HAVERSIAN SYSTEM/ HUMAN/ KNEE, radiography/ *KNEE JOINT/ MALE/ MIDDLE AGE/ MUSCULAR ATROPHY, complications/ OSTEOBLASTS/ OSTEOCLASTS/ OSTEOCYTES/ *OSTEOPOROSIS/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, radiography/ REMISSION/ TIBIA, pathology/ TREMOR, complications

1415. **Gupta RK, Mehrotra RM, Chaturvedi UC:** Effect of cortisone on immunologic cardiac injury in albino rats. Indian J Med Res 60:1140-7, Aug 72
ANIMAL EXPERIMENTS/ ANTIGENS/ AUTOANTIBODIES/ AUTOIMMUNE DISEASES, pathology/ *AUTOIMMUNE DISEASES, prevention & control/ *CORTISONE, therapeutic use/ FEMALE/ HEART DISEASES, pathology/ *HEART DISEASES, prevention & control/ IMMUNITY, CELLULAR/ IMMUNIZATION/ MALE/ MONKEYS, immunology/ MYOCARDIUM, immunology/ MYOCARDIUM, pathology/ PASSIVE TRANSFER/ RABBITS/ RATS/ SPLEEN, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1416. **Gupta RL, Rao VJ, Munje RR:** Experimental evalu of various methods used for prolongation of homografts--studies done in rats and rabbi
Indian J Med Res 60:1196-204, Aug 72
ANIMAL EXPERIMENTS/ ANTILYMPHOC SERUM, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ *GRAFT REJECTION/ GRAFT REJECTION drug effects/ GRAFT REJECTION, radiati effects/ PREDNISOLONE, pharmacodynami PROGESTERONE, pharmacodynamics/ RABBITS/ RADIATION EFFECTS/ RATS/ *SKIN, transplantation/ THYMECTOMY/ TRANSPLANTATION, HOMOLOGOUS/ UR pharmacodynamics

1417. **Gupta RN, Price D, Keane PM:** Modified Pisano m for estimating urinary metanephrines.
Clin Chem 19:611-4, Jun 73
ADOLESCENCE/ ADULT/ AGE FACTORS CATECHOLAMINES, urine/ CHILD/ CHIL PRESCHOOL/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CREATININE, urine/ *ETHANOLAMINES, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, urin INFANT/ INFANT, NEWBORN/ MASS SCREENING/ METHODS/ METHOXYHYDROXYPHENYL GLYCOL, u NEUROBLASTOMA, diagnosis/ NEUROBLASTOMA, urine/ OXIDATION-REDUCTION/ *PHENETHYLAMINES, urine/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, urine/ SOLUBIL SPECTROPHOTOMETRY, ULTRAVIOLET/ VANILLIN/ VANILMANDELIC ACID, urin

1418. **Gupta SP, Gupta PC, Kumar V, et al:** Electroencephalographic changes in hypothyro
Indian J Med Res 60:1101-6, Jul 72
ADOLESCENCE/ ADULT/ ALPHA RHYT BLOOD PROTEINS/ CHILD, PRESCHOOL ELECTROENCEPHALOGRAPHY/ FEMALE HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ IODIN blood/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ THYROID HORMONES, therap use

1419. **Gupta SS:** Drugs and agents used in fert control-pharmacological approach.
Indian J Physiol Pharmacol 16:289-94, Oct-Dec ref.)
ANIMAL EXPERIMENTS/ CONTRACEPT AGENTS, pharmacodynamics/ CONTRACEPTIVES, ORAL, pharmacodyna CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ DECIDUA, drug effec ENDOMETRIUM, metabolism/ ESTRUS, d effects/ FEMALE/ GLYCOPROTEINS, metabolism/ GRAFT REJECTION/ HISTA LIBERATION/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ INTRAUTERINE DEV MALE/ NIDATION, drug effects/ OVULATION, drug effects/ PREGNANCY REVIEW/ SKIN, transplantation/ SPERMATOGENESIS, drug effects/ STERILITY, MALE, chemically induced/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS, metabolism

1420. **Guraya SS:** Histochemical observations of the te frog, Rana pipiens. Short communication.
Acta Biol Acad Sci Hung 23:327-9, 1972
ANIMAL EXPERIMENTS/ CHOLESTERO metabolism/ FROGS/ LEYDIG CELLS/ *LIPIDS, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ *RANA PIPIENS, anatomy & histology/ SEASON SERTOLI CELLS, cytology/ SPERMATOZ *TESTIS, cytology/ TIME FACTORS/ TRIGLYCERIDES, metabolism

1421. **Guski H, Lindecke H:** Uber Adenomatoid-Tumo

terus and der Adnexe. Ein Beitrag zur Dignität eser Gewächse aus morphologischer Sicht.
entralbl Gynaekol 95:618-23, 4 May 73 (Ger)
ADNEXA UTERI, pathology/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *MESOTHELIOMA, pathology/ *OVARIAN NEOPLASMS, pathology/ *UTERINE NEOPLASMS, pathology

h LM WINDLE WF: Physiological, molecular, and enetic aspects of central nervous regeneration.
xp Neurol 39:3-16, Jun 73
ANIMAL EXPERIMENTS/ AXOPLASMIC FLOW/ BIOLOGICAL TRANSPORT/ CATECHOLAMINES, metabolism/ CENTRAL NERVOUS SYSTEM, metabolism/ *CENTRAL NERVOUS SYSTEM, physiology/ HUMAN/ NERVE GROWTH FACTOR, physiology/ *NERVE REGENERATION/ NEURAL INTERCONNECTIONS/ NEURONS, physiology/ NEURONS, transplantation/ PARAPLEGIA, physiopathology/ SPINAL CORD, physiology/ SYNAPSES, physiology/ TRANSPLANTATION, HOMOLOGOUS

hert H, Wöckel W: Zur pathologischen Anatomie r Blutungen in der Perinatalperiode.
ntralbl Allg Pathol 116:507-18, 1972 (56 ref.) (Ger)
ADRENAL GLAND DISEASES, pathology/ ANOXIA/ CEREBRAL HEMORRHAGE, pathology/ DIAGNOSIS, DIFFERENTIAL/ HEMOPTYSIS, pathology/ *HEMORRHAGE, pathology/ HEMORRHAGE, GASTROINTESTINAL, pathology/ HEMORRHAGIC DISEASE OF NEWBORN, pathology/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, pathology/ INFANT, PREMATURE/ INFANT, PREMATURE, DISEASES, pathology/ KIDNEY DISEASES, pathology/ LIVER DISEASES, pathology/ LUNG DISEASES, pathology/ MELENA, pathology/ REVIEW

hrie RD, Smith DW, Graham CB: Testosterone eatment for micropenis during early childhood.
Pediatr 83:247-52, Aug 73
ABNORMALITIES, drug therapy/ ABNORMALITIES, MULTIPLE/ CHILD, PRESCHOOL/ EVALUATION STUDIES/ HUMAN/ HYPOGONADISM, complications/ INFANT/ MALE/ MENTAL RETARDATION/ OBESITY/ *PENIS, abnormalities/ PENIS, growth & development/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use

man Y, Glushevitzky-Strachman D: Effect of hydration, food deprivation, saline and renalectomy on microsomal (Na + +K + dependent ATPase in the salivary glands and testinal mucosa.
ochim Biophys Acta 304:533-40, 28 Apr 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ COLON, cytology/ *FOOD DEPRIVATION/ *INTESTINAL MUCOSA, enzymology/ INTESTINE, SMALL, cytology/ MALE/ MICROSOMES, enzymology/ PAROTID GLAND, cytology/ *PAROTID GLAND, enzymology/ POTASSIUM/ RATS/ SODIUM/ *SODIUM CHLORIDE, pharmacodynamics/ SUBMANDIBULAR GLAND, cytology/ *SUBMANDIBULAR GLAND, enzymology/ TIME FACTORS/ *WATER DEPRIVATION

man Y, Levy M, Shorr J: Renin-like activity of the submaxillary gland: characterization and the fect of several drugs and stimuli.
J Pharmacol 47:59-68, Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANGIOTENSIN, secretion/ ANIMAL EXPERIMENTS/ CHLOROTHIAZIDE, pharmacodynamics/ DIAZOXIDE, pharmacodynamics/ GLYCOLS, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, physiology/ MALE/ NEPHRECTOMY/ OUABAIN, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RATS/ *RENIN, pharmacodynamics/ SALIVA, secretion/ SODIUM, pharmacodynamics/ STARVATION/ SUBMANDIBULAR GLAND, drug effects/ *SUBMANDIBULAR GLAND, physiology/ TIME FACTORS/ WATER DEPRIVATION

1427. Gutman Y, Segal J: Effect of calcium, sodium and potassium on adrenal tyrosine hydroxylase activity in vitro.
Biochem Pharmacol 21:2664-6, 1 Oct 72
*ADRENAL GLANDS, enzymology/ ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ *CALCIUM, pharmacodynamics/ CATTLE/ DRUG INTERACTIONS/ IN VITRO/ *POTASSIUM, pharmacodynamics/ *SODIUM, pharmacodynamics/ *TYROSINE HYDROXYLASE, analysis

1428. Gutsevich AV: O vozmozhnosti opredeleniia samok komarov po mikroskopicheskim preparatam golovy. I. Sistematicheskie priznaki i kharakteristika rodov.
Parazitologiia 6:320-5, 1972 (Rus)
AEDES, anatomy & histology/ ANIMAL EXPERIMENTS/ ANOPHELES, anatomy & histology/ CULEX, anatomy & histology/ ENGLISH ABSTRACT/ FEMALE/ HEAD, anatomy & histology/ *MOSQUITOES, anatomy & histology/ MOSQUITOES, classification/ *SEX DETERMINATION

1429. Gwóźdź A: Uszkodzenie stawów miednicy podczas ciąży, porodu i połogu.
Pol Tyg Lek 28:660-2, 30 May 73 (Pol)
ESTROGENS, physiology/ FEMALE/ HUMAN/ *JOINTS/ *LABOR COMPLICATIONS/ *PELVIC BONES, injuries/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROGESTERONE, physiology/ *PUERPERAL DISORDERS, complications/ TIME FACTORS

1430. Gyula K, István G, József S: A Zuckerkandl szerv paragangliomájáról.
Morphol Igazsagugyi Orv Sz 13:148-52, Apr 73 (Hun)
AGED/ AUTOPSY/ *CHROMAFFIN SYSTEM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PARAGANGLIOMA, pathology/ *RETROPERITONEAL NEOPLASMS, pathology

H

1431. Habener JF, Mayer GP, Powell D, et al: Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin.
Clin Chim Acta 45:225-33, 18 May 73
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ DEXTRAN/ DIOXINS/ EVALUATION STUDIES/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TEMPERATURE/ *THYROCALCITONIN, blood/ TIME FACTORS

1432. Habib MA, Babka JC, Burningham RA: Profound granulocytopenia associated with infectious mononucleosis.
Am J Med Sci 265:339-46, Apr 73
ADULT/ AGGLUTININS, analysis/ *AGRANULOCYTOSIS, complications/ BONE MARROW EXAMINATION/ HUMAN/ *INFECTIOUS MONONUCLEOSIS, complications/ INFECTIOUS MONONUCLEOSIS, drug therapy/ LEUKOCYTE COUNT/ LEUKOCYTES, immunology/ MALE/ PREDNISONE, therapeutic use/ STAPHYLOCOCCAL INFECTIONS, complications

1433. Haci Boškov A, Glavaš O, Georgievski P: Hemostatičko dejstvo na "Emex" pri krvavenja vo otorinolaringologijata.
God Zb Med Fak Skopje 18:381-6, 1972 (Ser)
ADOLESCENCE/ *ADRENOCHROME, therapeutic use/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, drug therapy/ *HEMOSTATICS, therapeutic use/

LIBRARY U. OF I., URBANA-CHAMPAIGN

HUMAN/ MIDDLE AGE/ *OTORHINOLARYNGOLOGIC DISEASES, surgery/ *POSTOPERATIVE COMPLICATIONS, drug therapy/ *SEMICARBAZIDES, therapeutic use/ SEMICARBAZONES, therapeutic use

1434. **Hackl H:** Pathologische aerophagie als todesursache. Med Klin 68:667-9, May 73 (Ger)
*AEROPHAGY, complications/ AEROPHAGY, physiopathology/ AUTOPSY/ ENGLISH ABSTRACT/ FLATULENCE/ *GASTROINTESTINAL DISEASES, etiology/ GASTROINTESTINAL DISEASES, pathology/ GASTROINTESTINAL DISEASES, physiopathology/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ MALE/ *MENTAL RETARDATION, complications/ MIDDLE AGE/ NEUROSES, complications/ PULMONARY EDEMA, etiology/ TACHYCARDIA, etiology/ THYROID DISEASES, complications

1435. **Haddad HM:** Pathogenesis and treatment of endocrine exophthalmos. Int Surg 58:482-4, Jul 73
BLEPHAROPTOSIS, prevention & control/ DEXAMETHASONE, therapeutic use/ DIPLOPIA, etiology/ DIPLOPIA, prevention & control/ EDEMA, prevention & control/ *EXOPHTHALMOS/ EXOPHTHALMOS, complications/ EXOPHTHALMOS, drug therapy/ EXOPHTHALMOS, etiology/ EXOPHTHALMOS, radiotherapy/ EXOPHTHALMOS, therapy/ EYE NEOPLASMS, prevention & control/ GLAUCOMA, etiology/ *GOITER, EXOPHTHALMIC/ GOITER, EXOPHTHALMIC, etiology/ GOITER, EXOPHTHALMIC, therapy/ GUANETHIDINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ PITUITARY GLAND IRRADIATION/ THYRCID DISEASES, complications/ THYROID GLAND FUNCTION TESTS

1436. **Hadjimarkos DM, Shearer TR:** Selenium in mature human milk. Am J Clin Nutr 26:583-5, Jun 73
ADOLESCENCE/ ADULT/ FEMALE/ GREECE/ HUMAN/ INFANT NUTRITION/ IOWA/ LACTATION/ *MILK, HUMAN, analysis/ OREGON/ PREGNANCY/ *SELENIUM, analysis

1437. **Haffen K, Mendel C, Reeb M, et al:** In vitro and in vivo studies of the effects of high hydrostatic pressures on chick embryonic organs.
Symp Soc Exp Biol 26:487-8, 1972
ANIMAL EXPERIMENTS/ *CHICK EMBRYO/ EPITHELIUM/ GONADS/ HEART/ HYDROSTATIC PRESSURE/ INTESTINES/ LIVER/ MUSCLES/ *PRESSURE

1438. **Haguenauer JP, Goutelle A, Bernard P:** L'abord des tumeurs de l'hypophyse par voie naso-sphénoidale (à propos de 72 observations.
J Fr Otorhinolaryngol 22:209-14, Mar 73 (Fre)
ADENOMA, radiography/ *ADENOMA, surgery/ CAROTID ARTERY, INTERNAL, radiography/ CEREBRAL ARTERIES, radiography/ CONTRAST MEDIA/ FEMALE/ HUMAN/ MALE/ METHODS/ NOSE/ PITUITARY NEOPLASMS, radiography/ *PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ PROGNOSIS/ *SPHENOID SINUS, surgery/ VENTRICULOGRAPHY

1439. **Hahn BH, Bagby MK, Hamilton TR, et al:** Comparison of therapeutic and immunosuppressive effects of azathioprine, prednisolone and combined therapy in NZP-NZW mice.
Arthritis Rheum 16:163-70, Mar-Apr 73
ANIMAL EXPERIMENTS/ ANTI-ANTIBODIES, analysis/ ANTIBODY FORMATION/ ANTIGENS, BACTERIAL/ ANTINUCLEAR FACTORS, analysis/ AUTOANTIBODIES/ *AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, therapeutic use/ COOMBS' TEST/ *DISEASE MODELS, ANIMAL/ DNA/ DRUG SYNERGISM/ FEMALE/ GAMMA GLOBULIN, analysis/ *IMMUNOSUPPRESSION/ KIDNEY, pathology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug the LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ MICE/ NEPHRITIS, immunology/ NEPHRITIS, mortality/ POLYSACCHARIDES, BACTERIAL, analy *PREDNISOLONE, administration & dosa PREDNISOLONE, therapeutic use/ TIME FACTORS

1440. **Hähn N, Gade J:** Aktivität der Serumenzyme SGPT, LDH and LAP bei normalen Kontrollpe unter Einnahme von Ovulationshemmern und normalen Schwangerschaft.
Zentralbl Gynaekol 95:546-51, 20 Apr 73
*ALANINE AMINOTRANSFERASE, blood *ASPARTATE AMINOTRANSFERASE, bl *CONTRACEPTIVES, ORAL, administrati dosage/ ETHINYL ESTRADIOL, administ & dosage/ FEMALE/ HUMAN/ *LACTA DEHYDROGENASE, blood/ *LEUCINE AMINOPEPTIDASE, blood/ MENSTRUAT NORGESTREL, administration & dosage/ *PREGNANCY/ TIME FACTORS

1441. **Haicken BN, Schulman NH, Schneider KI** Adrenocortical carcinoma and congenital hemihypertrophy. J Pediatr 83:284-5, Aug
ABDOMINAL NEOPLASMS, etiology/ ABDOMINAL NEOPLASMS, surgery/ ABDOMINAL WALL, surgery/ *ABNORMALITIES, MULTIPLE, complic *ADRENAL GLAND NEOPLASMS, etiol ADRENAL GLAND NEOPLASMS, surger *CARCINOMA, etiology/ CARCINOMA, surgery/ HUMAN/ INFANT/ LIPOMA, etiology/ LIPOMA, surgery/ MALE

1442. **Haider S, Sathyanesan AG:** An instance of al disposition of pituitary components in the Puntius sophore (Ham.). Anat Anz 133:68-
ANIMAL EXPERIMENTS/ AXONS/ CEREBRAL VENTRICLES/ *FISH DISE pathology/ FISHES/ *PITUITARY GLA abnormalities/ PITUITARY GLAND, POSTERIOR, abnormalities

1443. **Haigler HJ, Aghajanian GK:** Mescaline and LSI and indirect effects on serotonin-containing in brain. Eur J Pharmacol 21:53-60, Ja
ACTION POTENTIALS, drug effects/ A EXPERIMENTS/ *BRAIN CHEMISTRY, effects/ COMPARATIVE STUDY/ ELECTRODES/ IONTOPHORESIS/ *LYS ACID DIETHYLAMIDE, administration dosage/ LYSERGIC ACID DIETHYLAM pharmacodynamics/ MALE/ *MESCALIN administration & dosage/ MESCALINE, pharmacodynamics/ *NEURONS, drug e NEURONS, physiology/ NOREPINEPHR pharmacodynamics/ RATS/ *SEROTONI physiology/ TIME FACTORS

1444. **Haim S, Friedman-Birnbaum R, Haim N** Carbohydrate tolerance in patients with g annulare. Study of fifty-two cases.
Br J Dermatol 88:447-51, May 73
ADOLESCENCE/ ADULT/ AGED/ BLO SUGAR/ BLOOD VESSELS, pathology/ *CARBOHYDRATES, metabolism/ CHIL CHILD, PRESCHOOL/ DIABETES MEL FEMALE/ GLUCOSE TOLERANCE TE *GRANULOMA, metabolism/ GRANULO pathology/ HUMAN/ MALE/ MIDDLE PREDNISONE/ *SKIN DISEASES, meta SKIN DISEASES, pathology

1445. **Hainer V, Došková N:** Hypothalamické ho regulace endokrinních funkcí.
Cas Lek Cesk 112:741-5, 1973
CORTICOTROPIN RELEASING FACTO ENGLISH ABSTRACT/ EXOPHTHALM PRODUCING SUBSTANCE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYS physiology/ *PITUITARY HORMONE RELEASING FACTORS/ *PITUITARY HORMONES/ THYROTROPIN RELEAS FACTOR

1446. **Hainer V, Krejčík L, Kubík V, et al:** Stanovení 11-hydroxykortikosteroidů fluorometricky.

využití.
Cas Lek Cesk 112:680-4, 1973 (Cze)
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, blood/ ENGLISH ABSTRACT/ FLUOROMETRY/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MIDDLE AGE/ RATS

Hait WN, Gorshein D, Jepson JH, et al: 19-Nortestosterone decanoate induced erythropoiesis in the actinomycin-D-treated hyperoxic mouse.
Biochem Biophys Res Commun 47:426-31, 28 Apr 72
ANIMAL EXPERIMENTS/ *DACTINOMYCIN, pharmacodynamics/ *ERYTHROPOIESIS, drug effects/ FEMALE/ IRON, metabolism/ IRON ISOTOPES/ MICE/ *NANDROLONE, pharmacodynamics/ RESPIRATION/ TIME FACTORS

Hajós F, Patel AJ, Balázs R: Effect of thyroid deficiency on the synaptic organization of the rat cerebellar cortex. Brain Res 50:387-401, 28 Feb 73
ANIMAL EXPERIMENTS/ *CEREBELLAR CORTEX, pathology/ DENDRITES/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, pathology/ MALE/ METHIMAZOLE/ MICROSCOPY, ELECTRON/ PURKINJE CELLS/ RATS/ *SYNAPSES, cytology/ TIME FACTORS

Haksar A, Baniukiewicz S, Péron FG: Inhibition of ACTH-stimulated steroidogenesis in isolated rat adrenal cells treated with neuraminidase.
Biochem Biophys Res Commun 52:959-66, 8 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CELL MEMBRANE, metabolism/ CORTICOSTERONE, biosynthesis/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, metabolism/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, metabolism/ HYDROXYLATION/ IN VITRO/ NEURAMINIC ACIDS, analysis/ *NEURAMINIDASE, pharmacodynamics/ RATS/ RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

Haksar A, Péron FG: Comparison of the Ca ++ requirement for the steroidogenic effect of ACTH acid dibutyryl cyclic AMP in rat adrenal cell suspension.
Biochem Biophys Res Commun 47:445-50, 28 Apr 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ IN VITRO/ RATS/ *STEROIDS, biosynthesis/ TIME FACTORS

Halbolth PH, Coons EE: Behavioral measurements of the neural poststimulation excitability cycle in the lateral hypothalamic eating system of the rat.
J Comp Physiol Psychol 83:429-33, Jun 73
ANIMAL EXPERIMENTS/ *EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HUNGER/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, NEUROLOGIC/ *NEURAL CONDUCTION/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION/ *NEURONS, physiology/ RATS/ REACTION TIME/ REFRACTORY PERIOD, NEUROLOGIC/ SYNAPSES, physiology

Haldar I, Mahajani U, Datta AG: Comparative study of peroxidases from the thyroid and the submaxillary gland of goat (Ca pra hiscus).
Comp Biochem Physiol [B] 44:517-27, 15 Feb 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GOATS/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ ISOENZYMES, analysis/ KINETICS/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ PEPTIDES, analysis/ PEROXIDASES, analysis/ *PEROXIDASES, metabolism/ PRECIPITIN TESTS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SUBMANDIBULAR GLAND, enzymology/ *THYROID GLAND, enzymology/ TIME FACTORS

1453. Halim A, Antoniou D, Leedham PW, et al: Investigation and treatment of the infertile male.
Proc R Soc Med 66:373-8, Apr 73
ANTIBODIES, analysis/ BIOPSY/ CLOMIPHENE, therapeutic use/ FLUOXYMESTERONE, therapeutic use/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ MALE/ SEMEN/ SPERMATOZOA, immunology/ STERILITY, MALE, drug therapy/ STERILITY, MALE, etiology/ STERILITY, MALE, surgery/ *STERILITY, MALE, therapy/ TESTIS, pathology/ VITAMIN B 12, therapeutic use

1454. Halkin H, Meytes D, Militeanu J, et al: Multiple lymphomatous polyposis of the gastrointestinal tract.
Isr J Med Sci 9:648-54, May 73
AUTOPSY/ BIOPSY/ CHLORAMBUCIL, therapeutic use/ GASTROINTESTINAL NEOPLASMS, drug therapy/ GASTROINTESTINAL NEOPLASMS, pathology/ HUMAN/ INTESTINAL POLYPS, drug therapy/ *INTESTINAL POLYPS, pathology/ ISRAEL/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ *LEUKEMIA, LYMPHOCYTIC, pathology/ LYMPHOSARCOMA, drug therapy/ *LYMPHOSARCOMA, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SPRUE, etiology/ TETRACYCLINE, therapeutic use

1455. Hall DM, Hall SM: Side effects of the pill.
Br Med J 3:105, 14 Jul 73
ADULT/ AGE FACTORS/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *LIBIDO, drug effects/ MARRIAGE/ SEX DISORDERS, chemically induced/ SINGLE PERSON

1456. Hall GM, Whitwam JG, Morgan M: Some respiratory effects of althesin. Br J Anaesth 45:629-32, Jun 73
ANESTHESIA, INTRAVENOUS/ ANESTHETICS, administration & dosage/ *ANESTHETICS, pharmacodynamics/ ATROPINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIAZEPAM, pharmacodynamics/ FEMALE/ HUMAN/ KETONES, administration & dosage/ KETONES, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ *PREANESTHETIC MEDICATION/ PREGNANES, administration & dosage/ *PREGNANES, pharmacodynamics/ *RESPIRATION, drug effects/ SCOPOLAMINE, pharmacodynamics

1457. Hall JL, Humbertson AO Jr: The autonomic nervous system.
Prog Neurol Psychiatry 27:149-62, 1972 (143 ref.)
ADRENAL MEDULLA, innervation/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, anatomy & histology/ *AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD VESSELS, innervation/ CHOLINESTERASE, analysis/ EYE, innervation/ GANGLIA, AUTONOMIC, enzymology/ GASTROINTESTINAL SYSTEM, innervation/ HEART CONDUCTION SYSTEM, anatomy & histology/ HUMAN/ HYPOTHALAMUS, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ PRESSORECEPTORS, physiology/ REVIEW/ UROGENITAL SYSTEM, innervation/ VAGUS NERVE, physiology

1458. Hall RE: Continuation and pregnancy rates with four

LIBRARY U. OF I., URBANA-CHAMPAIGN

contraceptive methods.
Am J Obstet Gynecol 116:671-81, 1 Jul 73
ADOLESCENCE/ ADULT/ CONTRACEPTION/ *CONTRACEPTIVE DEVICES/ CONTRACEPTIVE DEVICES, adverse effects/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ ETHNIC GROUPS/ FAMILY CHARACTERISTICS/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INTRAUTERINE DEVICES/ METHODS/ PARITY/ PREGNANCY/ STATISTICS/ TIME FACTORS

1459. **Haller U:** Die Plazentarinsuffizienz.
Z Allgemeinmed 49:509-18, 20 Apr 73 (Ger)
AMNIOTIC FLUID, analysis/ ELECTROCARDIOGRAPHY/ ESTRIOL, blood/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, therapy/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ ULTRASONICS, diagnostic use

1460. **Hallinan EA:** Separation of prostaglandin diastereomers by countercurrent distribution.
J Chromatogr 79:368-9, 16 May 73
COUNTERCURRENT DISTRIBUTION/ METHODS/ *PROSTAGLANDINS, isolation & purification/ STEREOISOMERS

1461. **Hallowes RC, Wang DY, Lewis DJ, et al:** The stimulation by prolactin and growth hormone of fatty acid synthesis in explants from rat mammary glands.
J Endocrinol 57:265-76, May 73
ACETATES, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CORTICOSTERONE, pharmacodynamics/ *FATTY ACIDS, biosynthesis/ FEMALE/ INSULIN, pharmacodynamics/ LACTATION/ *MAMMAE, drug effects/ MAMMAE, metabolism/ ORGAN CULTURE/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics

1462. **Hallowes RC, Wang DY, Lewis DJ:** The lactogenic effects of prolactin and growth hormone on mammary gland explants from virgin and pregnant Sprague-Dawley rats. J Endocrinol 57:253-64, May 73
CASEIN, biosynthesis/ CORTICOSTERONE, pharmacodynamics/ DACTINOMYCIN/ DNA, biosynthesis/ FEMALE/ INSULIN, pharmacodynamics/ *MAMMAE, drug effects/ MAMMAE, metabolism/ ORGAN CULTURE/ PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ RATS/ RNA, biosynthesis/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

1463. **Hallpike JF:** Superior orbital fissure syndrome. Some clinical and radiological observations.
J Neurol Neurosurg Psychiatry 36:486-90, Jun 73
ADULT/ CAROTID ARTERY DISEASES, complications/ CAROTID ARTERY DISEASES, drug therapy/ CAROTID ARTERY DISEASES, radiography/ CEREBRAL ANGIOGRAPHY/ DEXAMETHASONE, therapeutic use/ HUMAN/ MALE/ *OCULOMOTOR PARALYSIS/ OCULOMOTOR PARALYSIS, drug therapy/ OCULOMOTOR PARALYSIS, etiology/ OCULOMOTOR PARALYSIS, radiography/ *ORBIT/ PAIN/ TETRACYCLINE, therapeutic use/ VISUAL ACUITY/ VISUAL FIELDS

1464. **Halpern S, Alazraki N, Littenberg R, et al:** 131 I thyroid uptakes: capsule versus liquid.
J Nucl Med 14:507-10, Jul 73
ADMINISTRATION, ORAL/ ADULT/ CAPSULES/ FEMALE/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC, administration & dosage/ MIDDLE AGE/ *THYROID GLAND FUNCTION TESTS, standards

1465. **Halski H, Dąbrowska M, Kreowska Z:** Zespół Mc Cune-Albrighta u 13-letniej dziewczynki.
Chir Narzadow Ruchu Ortop Pol 38:209-14, 1973 (Pol)
ADOLESCENCE/ ENDOCRINE DISEASES, therapy/ ENGLISH ABSTRACT/ FEMALE/ *FIBROUS DYSPLASIA OF BONE/ FIBR DYSPLASIA OF BONE, radiography/ FI DYSPLASIA OF BONE, therapy/ HUMA PIGMENTATION DISORDERS, therapy

1466. **Halsted JA:** Zinc deficiency in man.
Lancet 1:1447-8, 23 Jun 73
ADULT/ DEFICIENCY DISEASES/ *DWARFISM, etiology/ EGYPT/ FEMAL HUMAN/ IRAN/ MALE/ PUBERTY/ *Z ZINC, therapeutic use

1467. **Hamard H, Campinchi R, Godeau P, et** Immuno-dépresseurs et maladie de Behc
Bull Soc Ophtalmol Fr 72:555-9, May-Jun 7
ADULT/ *AZATHIOPRINE, therapeutic *BEHCET'S SYNDROME, drug therapy/ HUMAN/ MALE/ *PREDNISONE, therap use/ PROGNOSIS

1468. **Hamberg M, Jonsson CE:** Increased synth prostaglandins in the guinea pig following injury. Acta Physiol Scand 87:240-5, Fe
ANIMAL EXPERIMENTS/ *BURNS, metabolism/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ GERBILS/ GUINEA PIGS/ MALE/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, urine/ *SKIN, metabolism/ TRITIUM

1469. **Hamberg M, Samuelsson B:** Detection and iso an endoperoxide intermediate in prosta biosynthesis.
Proc Natl Acad Sci USA 70:899-903, M
ANIMAL EXPERIMENTS/ AORTA, dru effects/ ARACHIDONIC ACID, metaboli BIOLOGICAL ASSAY/ CARBON ISOTO CHROMATOGRAPHY, THIN LAYER/ DEUTERIUM/ IN VITRO/ KINETICS/ MICROSOMES, metabolism/ PEROXIDE isolation & purification/ *PEROXIDES, metabolism/ PROSTAGLANDINS, analys *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEMINAL VESICLES, cytolo SEMINAL VESICLES, metabolism/ SHE

1470. **Hamilton AM, Garner A, Tripathi RC, et al:** M optic nerve glioma. Report of a case with microscope study. Br J Ophthalmol 57:253-6
ASTROCYTOMA, pathology/ ASTROCY radiotherapy/ ENDOPLASMIC RETICUL EYE FOREIGN BODIES/ GLAUCOMA, pathology/ *GLIOMA/ GLIOMA, pathol HUMAN/ INTRAOCULAR PRESSURE/ MICROSCOPY, ELECTRON/ MIDDLE A *OPTIC NERVE/ OPTIC NERVE, path OPTIC NEURITIS, diagnosis/ PREDNIS therapeutic use/ VISUAL ACUITY

1471. **Hamilton EI:** Lead in drinking water.
Br Med J 2:664-5, 16 Jun 73
BONE AND BONES, analysis/ GREAT BRITAIN/ HUMAN/ *LEAD, analysis/ analysis/ *WATER POLLUTION/ *WA SUPPLY

1472. **Hamilton W, Gray CE:** Urinary pregnane pregnanetriol in the salt-losing and nons forms of C-21-hydroxylase deficiency.
Clin Endocrinol (Oxf) 1:265-73, Jul 73
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, enzymology/ *ADR GLAND HYPERFUNCTION, familial & genetic/ ADRENAL GLAND HYPERFUNCTION, urine/ ALDOSTER biosynthesis/ CHILD/ CHILD, PRESCH CHOLESTEROL, metabolism/ CORTICOTROPIN, diagnostic use/ FE HERMAPHRODITISM/ HUMAN/ HYDROCORTISONE, biosynthesis/ *HYPERNATREMIA/ MALE/ METYRA *PREGNANEDIOL, urine/ *PREGNANE urine/ PROGESTERONE, blood/ PUBE PRECOCIOUS/ RENIN, blood/ *STERO HYDROXYLASES, metabolism/ SYNDR

1473. **Hammarstrom LE, Ramp WK, Toverud**

Histochemistry of various acid phosphatases in developing bones and teeth in hypervitaminosis D in the rat. Arch Oral Biol 18:109-15, Jan 73
*ACID PHOSPHATASE, analysis/ ACID PHOSPHATASE, antagonists & inhibitors/ ALVEOLAR PROCESS, enzymology/ AMELOBLASTS, enzymology/ ANIMAL EXPERIMENTS/ *BONE AND BONES, enzymology/ BONE RESORPTION/ CALCINOSIS, chemically induced/ CALCIUM, blood/ COPPER, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ HISTOCYTOCHEMISTRY/ MOLYBDENUM, pharmacodynamics/ ODONTOBLASTS, enzymology/ OSTEOCLASTS, enzymology/ RATS/ TARTRATES, analysis/ *TOOTH, enzymology/ TOOTH ERUPTION/ VANADIUM, pharmacodynamics/ *VITAMIN D, toxicity

Hammel HT, Heller HC, Sharp FR: Probing the rostral brainstem of anesthetized, unanesthetized, and exercising dogs and of hibernating and euthermic ground squirrels. Fed Proc 32:1588-97, May 73
ANESTHESIA, INTRAVENOUS/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CALORIMETRY/ CHLORALOSE/ *DOGS, physiology/ *EXERTION/ FEVER/ *HIBERNATION/ *HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ SALIVATION/ *SQUIRRELS, physiology/ STRESS/ TEMPERATURE/ URETHANE

Handwerger S, Barrett J, Tyrey L, et al: Differential effect of cyclic adenosine monophosphate on the secretion of human placental lactogen and human chorionic gonadotropin.
J Clin Endocrinol Metab 36:1268-70, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ IN VITRO/ PLACENTA, drug effects/ *PLACENTA, secretion/ *PLACENTAL LACTOGEN, secretion/ PREGNANCY/ THEOPHYLLINE, pharmacodynamics

Hansson CG, Hamberger L: Influence of calcium and magnesium on respiration of isolated parathyroid cells from the rat. Endocrinology 92:1582-7, Jun 73
AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ FEMALE/ IN VITRO/ *MAGNESIUM, pharmacodynamics/ *OXYGEN CONSUMPTION, drug effects/ PARATHYROID GLANDS, drug effects/ *PARATHYROID GLANDS, metabolism/ RATS/ TISSUE CULTURE

Hara H, Kakishita E, Kanamaru A, et al: Testosterone and colony stimulating factor.
Acta Haematol Jap 35:575-6, Aug 72
ANIMAL EXPERIMENTS/ *BONE MARROW CELLS, drug effects/ CELL DIVISION, drug effects/ CLONE CELLS/ HEMATOPOIESIS, drug effects/ MALE/ MICE/ STIMULATION, CHEMICAL/ *TESTOSTERONE, pharmacodynamics

Hara T, Freed BR: Preparation of carrier-free 47 Sc by chemical separation from 47 Ca and its distribution in tumor bearing mice.
Int J Appl Radiat Isot 24:373-6, Jul 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BONE AND BONES, metabolism/ BONE MARROW, metabolism/ *CARCINOMA, EHRLICH TUMOR, metabolism/ FEMALE/ FEMUR, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MICE/ RADIOISOTOPE SCANNING/ *RADIOISOTOPES/ SCANDIUM, isolation & purification/ *SCANDIUM, metabolism/ SPLEEN, metabolism

Harasek G: Hepatitis--Therapie in der Praxis.
Paediatr Paedol 8:319-21, 1973 (Ger)
AMINOTRANSFERASES, blood/ CHILD/ DIET THERAPY/ GAMMA GLOBULIN, therapeutic use/ HEPATITIS, INFECTIOUS, drug therapy/ HEPATITIS, INFECTIOUS, enzymology/ *HEPATITIS, INFECTIOUS, therapy/ HUMAN/ PREDNISOLONE, therapeutic use

1480. Hardy JD: Posterior hypothalamus and the regulation of body temperature. Fed Proc 32:1564-71, May 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ DOGS/ GUINEA PIGS/ *HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, physiology/ MESENCEPHALON, physiology/ MOTOR CORTEX, physiology/ NEURAL INTERCONNECTIONS/ NEURAL TRANSMISSION/ NEURONS, EFFERENT, physiology/ RABBITS/ SKIN, innervation/ STEREOTAXIC TECHNICS/ TEMPERATURE/ THALAMUS, physiology

1481. Harell A, Ayalon D, Toafe R, et al: Variations du tauxe de STH et LH dans le syndrome de galactorrhée. Ann Endocrinol (Paris) 33:436-9, Jul-Aug 72 (Fre)
AMENORRHEA, blood/ CHIARI-FROMMEL SYNDROME, blood/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FSH, urine/ HUMAN/ INSULIN, diagnostic use/ KINETICS/ *LACTATION DISORDERS, blood/ LACTATION DISORDERS, drug therapy/ *LH, blood/ LH, secretion/ PITUITARY GLAND FUNCTION TESTS/ *SOMATOTROPIN, blood

1482. Hariga J, Hainaut H, Chapelle P, et al: A Spanish family with sarcosinemia. Monogr Hum Genet 6:156, 1972
AGE FACTORS/ *AMINO ACID METABOLISM, INBORN ERRORS/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, familial & genetic/ ETHNIC GROUPS/ FEMALE/ HETEROZYGOTE/ HUMAN/ MALE/ MENTAL RETARDATION, familial & genetic/ SAPONINS/ *SARCOSINE, blood/ TWINS

1483. Harndt R, Kaul A: Untersuchungen über den Verbleib des Bleis im Wurzelkanalfüllmaterial N 2.
Dtsch Zahnaerztl Z 28:580-91, May 73 (Ger)
ACTIVATION ANALYSIS/ ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GUINEA PIGS/ ISOTOPE LABELING/ KIDNEY, analysis/ LEAD, analysis/ *LEAD, toxicity/ LEAD POISONING/ LIVER, analysis/ NECROSIS, chemically induced/ *ROOT CANAL FILLING MATERIALS/ ROOT CANAL FILLING MATERIALS, toxicity/ SKIN, analysis/ SKIN DISEASES, chemically induced/ SPECTRUM ANALYSIS/ TIME FACTORS

1484. Harper MJ: Relationship between sperm transport and penetration of eggs in the rabbit oviduct.
Biol Reprod 8:441-50, May 73
ANIMAL EXPERIMENTS/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *INSEMINATION, ARTIFICIAL, veterinary/ *OVIDUCTS, anatomy & histology/ *OVULATION, drug effects/ OVUM, transplantation/ RABBITS/ *SPERMATOZOA, physiology/ TIME FACTORS

1485. Harrer JA, Lee HH: Differential effects of oestrogen on the uptake of nucleic acid precursors by mouse blastocysts in vitro. J Reprod Fertil 33:327-30, May 73
ANIMAL EXPERIMENTS/ DNA, biosynthesis/ *ESTRADIOL, pharmacodynamics/ IN VITRO/ MICE/ OVUM, drug effects/ *OVUM, metabolism/ RNA, biosynthesis/ *THYMIDINE, metabolism/ TRITIUM/ *URIDINE, metabolism

1486. Harrington DO: Analysis of some unusual and difficult visual field defects.
Trans Ophthalmol Soc UK 92:15-30, 1972
ADOLESCENCE/ ADULT/ CHILD/ CRANIOPHARYNGIOMA, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ HEMIANOPSIA, complications/ HUMAN/ HYSTERIA, complications/ INTRAOCULAR PRESSURE/ IRITIS, complications/ MALE/ MIDDLE AGE/ OPTIC NEURITIS, diagnosis/ PREDNISONE, adverse effects/ RETINA, pathology/ RETINAL DEGENERATION/ SCOTOMA, complications/ SUNLIGHT/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*VISION DISORDERS, etiology/ VISUAL ACUITY/ *VISUAL FIELDS

1487. **Harrington JT, Cohen JJ:** Clinical disorders of urine concentration and dilution.
Arch Intern Med 131:810-25, Jun 73 (193 ref.)
ADRENAL GLAND DISEASES, physiopathology/ DIABETES INSIPIDUS, physiopathology/ DIABETIC NEPHROPATHIES, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ DIURESIS/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERCALCEMIA, physiopathology/ HYPONATREMIA, physiopathology/ KIDNEY, drug effects/ *KIDNEY, physiopathology/ *KIDNEY CONCENTRATING ABILITY, drug effects/ KIDNEY DISEASES, diagnosis/ *KIDNEY DISEASES, physiopathology/ NATRIURESIS/ *OSMOLAR CONCENTRATION/ REVIEW/ UROLOGIC DISEASES, diagnosis/ *UROLOGIC DISEASES, physiopathology/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, blood/ *VASOPRESSIN, pharmacodynamics/ WATER-ELECTROLYTE BALANCE

1488. **Harris EJ:** A physico-chemical basis for anion, cation and proton distributions between rat-liver mitochondria and the suspending medium.
J Bioenerg 4:179-85, Jan 73 (22 ref.)
BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CULTURE MEDIA/ ELECTRON TRANSPORT/ ENERGY TRANSFER/ HYDROGEN-ION CONCENTRATION/ MATHEMATICS/ *MITOCHONDRIA, LIVER, metabolism/ PHOSPHATES, metabolism/ RATS/ REVIEW

1489. **Harris KR, Cheng TC:** Presumptive neurosecretion in Leucochloridiomorpha constantiae (Trematoda) and its possible role in governing maturation.
Int J Parasitol 2:361-7, Sep 72
ANIMAL EXPERIMENTS/ CHICKENS/ GANGLIA, analysis/ GLYCOPROTEINS, analysis/ HISTOCYTOCHEMISTRY/ NEURONS, analysis/ *NEUROSECRETION/ NEUROSECRETORY SYSTEMS, analysis/ SNAILS/ TREMATODA, growth & development/ TREMATODA, physiology

1490. **Harris M, Jenkins MV, Bennett A, et al:** Prostaglandin production and bone resorption by the benign intraosseous dental cyst. Clin Sci 44:24P-25P, Jun 73
*BONE RESORPTION, metabolism/ *DENTIGEROUS CYST, metabolism/ DEPRESSION, CHEMICAL/ INDOMETHACIN, pharmacodynamics/ MICE/ PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ TISSUE CULTURE

1491. **Harris R, Griffin CJ:** The ultrastructure of the blood vessels of the human dental pulp following injury. IV.
Aust Dent J 18:88-96, Apr 73
ARTERIES, pathology/ *BLOOD VESSELS, pathology/ CAPILLARIES, pathology/ DEMETHYLCHLORTETRACYCLINE, therapeutic use/ DENTAL PULP, blood supply/ *DENTAL PULP, injuries/ DENTAL PULP, innervation/ DENTAL PULP CAPPING/ DRUG COMBINATIONS/ HUMAN/ NERVE FIBERS, MYELINATED/ ODONTOBLASTS/ TRIAMCINOLONE ACETONIDE, therapeutic use

1492. **Harrison TS, Seaton JF:** An analysis of pulse frequency as an adrenergic excitant in pulsatile circulatory support. Surgery 73:868-74, Jun 73
*ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *ASSISTED CIRCULATION/ BLOOD PRESSURE/ CARDIAC OUTPUT/ *CAROTID SINUS, physiology/ DOGS/ *EPINEPHRINE, blood/ HYDROGEN-ION CONCENTRATION/ *NOREPINEPHRINE, blood/ *PULSE/ VASCULAR RESISTANCE

1493. **Hart BL, Haugen CM, Peterson DM:** Effects of medial preoptic-anterior hypothalamic lesions of mating behavior of male cats. Brain Res 54:177-91, 17 May 73
ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CATS/ *HYPOTHALAMUS, physiology/ MALE/ *SEX BEHAVIOR, ANIMAL/ *SUPERIOR COLLICULUS, physiology

1494. **Hart MM, Whang-Peng J, Sieber SM, et al:** Distri and effects of DDT in the pregnant rab
Xenobiotica 2:567-74, Nov 72
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS, drug effects/ DDT, adve effects/ *DDT, blood/ DDT, metabolism/ FEMALE/ FETUS, growth & developmen FETUS, metabolism/ ISOMERISM/ LIVER metabolism/ MATERNAL-FETAL EXCHA OVARY, metabolism/ PLACENTA/ PREGNANCY/ *PREGNANCY, ANIMAL, effects/ RABBITS/ TIME FACTORS/ UT metabolism

1495. **Hart W, Duursma SA, Raymakers JA:** Ca metabolism and secretion of gastric juic
Neth J Med 16:29-37, 1973 (93 ref.)
ACHLORHYDRIA, complications/ ANIMA EXPERIMENTS/ CALCIUM, blood/ *CAL metabolism/ DOGS/ *GASTRIC JUICE, secretion/ GASTRIN, blood/ GLUCAGON blood/ HUMAN/ HYPERPARATHYROIDI complications/ HYPERPARATHYROIDISM physiopathology/ MAGNESIUM, blood/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, physiology/ PEPTIC ULCER, complications/ PEPTIC ULCER, etiology/ PHOSPHATES, blood/ RATS/ REVIEW/ THYROCALCITONIN, biosynthesis

1496. **Hart WR, Norris HJ:** Borderline and mal mucinous tumors of the ovary. Histologic crite clinical behavior. Cancer 31:1031-45, May
CYSTADENOMA, MUCINOUS, pathology/ *CYSTADENOMA, MUCINOUS, pathology FALLOPIAN TUBES, surgery/ FOLLOW STUDIES/ HUMAN/ HYSTERECTOMY/ OVARIAN NEOPLASMS, mortality/ *OV NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ OVARY, patholo PROGNOSIS

1497. **Hartemann P, Leclere J:** Hyperthyroidie et ca thyroidien (syndrome paranéoplasique?
Rev Fr Endocrinol Clin 13:157-68, Mar-Apr 7
ADULT/ AGED/ *CARCINOMA, complic CARCINOMA, diagnosis/ CARCINOMA, surgery/ ENGLISH ABSTRACT/ FEMAL HUMAN/ HYPERTHYROIDISM, diagnosi *HYPERTHYROIDISM, etiology/ LONG-ACTING THYROID STIMULATOR blood/ LYMPHATIC METASTASIS/ MID AGE/ RADIOISOTOPE SCANNING/ TH GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

1498. **Hartmann F:** Das Verhalten der Hydroxyprolinausscheidung beim experim Osteo-Anglo-Lathyrismus unter einer Cortison-Behandlung.
Z Rheumaforsch 32:106-12, Mar-Apr 73
AMINOPROPIONITRILE, administration dosage/ ANIMAL EXPERIMENTS/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *HYDROXYPRO urine/ LATHYRISM, drug therapy/ *LATHYRISM, urine/ RATS

1499. **Hartog M:** Human chorionic somatomammotro its clinical significance.
Clin Endocrinol (Oxf) 1:203-18, Apr 72
ABORTION, THREATENED, blood/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CARBOHYDRATES, metabolism/ CHORIOCARCINOMA, bloo DIABETES MELLITUS, blood/ ERYTHROCYTES, drug effects/ FEMAL HUMAN/ HYDATIDIFORM MOLE, bloo IRON, metabolism/ LACTATION, drug LIPIDS, metabolism/ PLACENTA, meta PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, metabolism/ PLACENTAL LACTOGEN, pharmacodyn

*PLACENTAL LACTOGEN, physiology/ PLASMA VOLUME, drug effects/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TOXEMIAS, blood/ PROTEINS, metabolism/ RADIOIMMUNOASSAY/ REVIEW/ RH FACTORS/ STRUCTURE-ACTIVITY RELATIONSHIP

Hartsook EW, Hershberger TV: Strontium-calcium discrimination during placental transfer and fetal uptake in rats: effect of gestation duration.
Proc Soc Exp Biol Med 143:343-9, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CASEIN/ *DIETARY PROTEINS/ FEMALE/ GESTATIONAL AGE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RATS/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES

Hartwig HG, Pfautsch M: Rasterelektronenmikroskopische Beobachtungen an pinealen Sinneszellen der Forelle, Salmo gairdneri (Teleostei.
Z Zellforsch Mikrosk Anat 138:585-9, 1973 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ *PHOTORECEPTORS, cytology/ *PINEAL BODY, cytology/ *SALMONIDAE, anatomy & histology/ SPECIES SPECIFICITY

Harvey DJ, Horning MG: Derivatives for the characterization of alkyl- and aminoalkylphosphonates by gas chromatography and gas chromatography-mass spectrometry.
J Chromatogr 79:65-74, 16 May 73
ACETYLATION/ CHROMATOGRAPHY, GAS/ MASS SPECTRUM ANALYSIS/ METHODS/ *PHOSPHONIC ACIDS, analysis/ SCHIFF BASES/ THIOCYANATES

Harvey RF: Grades of hypothyroidism.
Br Med J 2:488-9, 26 May 73
HUMAN/ *HYPOTHYROIDISM, diagnosis/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood

Harvey W, Grahame R: Effect of some adrenal steroid hormones on skin fibroblast replication in vitro.
Ann Rheum Dis 32:272, May 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CORTICOTROPIN, pharmacodynamics/ *FIBROBLASTS, drug effects/ HUMAN/ SKIN, drug effects/ TESTOSTERONE, pharmacodynamics

Harwood JP, Rodbell M: Inhibition by fluoride ion of hormonal activation of fat cell adenylate cyclase.
J Biol Chem 248:4901-4, 25 Jul 73
ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, enzymology/ CORTICOTROPIN, antagonists & inhibitors/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ EPIDIDYMIS/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ *FLUORIDES, pharmacodynamics/ GLUCAGON, antagonists & inhibitors/ GLUCAGON, pharmacodynamics/ *HORMONES, pharmacodynamics/ MALE/ OSMOLAR CONCENTRATION/ RATS/ RECEPTORS, HORMONE/ SECRETIN, antagonists & inhibitors/ SECRETIN, pharmacodynamics/ TEMPERATURE

Hassany SM, Basu PK, Kazdan JJ: Production of corneal ulcer by opportunistic and saprophytic fungi. 1. The effect of pretreatment of fungi with steroid.
Can J Ophthalmol 8:119-31, Jan 73
ANIMAL EXPERIMENTS/ *ASPERGILLOSIS/ ASPERGILLOSIS, pathology/ ASPERGILLUS, drug effects/ ASPERGILLUS, growth & development/ ASPERGILLUS, metabolism/ *ASPERGILLUS, pathogenicity/ CANDIDA ALBICANS, drug effects/ CANDIDA ALBICANS, growth & development/ CANDIDA ALBICANS, metabolism/ *CANDIDA ALBICANS, pathogenicity/ CORNEA, pathology/ *CORNEAL ULCER, etiology/ CORNEAL ULCER, pathology/ *DEXAMETHASONE/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOSE, metabolism/ HYDROGEN-ION CONCENTRATION/ METHODS/ *MONILIASIS/ MONILIASIS, pathology/ RABBITS

1507. **Hasegawa H, Nasjletti A, Rice K, et al:** Role of pituitary and adrenals in the regulation of plasma angiotensinogen.
Am J Physiol 225:1-6, Jul 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALPHA GLOBULIN, blood/ ANGIOTENSIN, blood/ *ANGIOTENSIN AMIDE, blood/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ LIVER, drug effects/ LIVER, metabolism/ PERFUSION/ *PITUITARY GLAND, physiology/ PROTEIN PRECURSORS, blood/ RATS/ *RENIN, blood/ SOMATOTROPIN, pharmacodynamics

1508. **Hashimoto JS, Ling SH, Millerick JD, et al:** Mid-trimester pre-eclampsia associated with fetal triploidy: report of a case.
Am J Obstet Gynecol 116:882-3, 15 Jul 73
ABNORMALITIES, MULTIPLE/ ABORTION, THERAPEUTIC/ *CHROMOSOME ABNORMALITIES/ FEMALE/ GONADOTROPINS, urine/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ PREGNANCY/ *PREGNANCY TOXEMIAS, complications

1509. **Hashimoto K, Takahara J:** [Effects of beta 1-24 ACTH and cycloheximide on the steroid production. The mechanism of the cation of so-called "regulator protein"]
Folia Endocrinol Jap 49:659-70, 20 Apr 73 (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BUTYRATES, pharmacodynamics/ CHOLESTEROL, metabolism/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ *CYCLOHEXIMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ IN VITRO/ MITOCHONDRIA, metabolism/ RATS/ TISSUE CULTURE

1510. **Haslam RJ, Lynham JA:** Activation and inhibition of blood platelet adenylate cyclase by adenosine or by 2-chloroadenosine.
Life Sci [II] 11:1143-54, 8 Dec 72
*ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ *BLOOD PLATELETS, enzymology/ CARBON ISOTOPES/ CHLORINE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ FREEZING/ HUMAN/ OSMOLAR CONCENTRATION/ PAPAVERINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

1511. **Haslund R:** Waterhouse Friderichsen syndrome. Endotoxin shock treated with massive doses of cortisol.
J Oslo City Hosp 23:49-64, Mar 73
CHILD/ DISSEMINATED INTRAVASCULAR COAGULATION, drug therapy/ HEPARIN, therapeutic use/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ SHOCK, ENDOTOXIC, drug therapy/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*WATERHOUSE-FRIDERICHSEN SYNDROME, drug therapy

1512. **Hassanein RR, Elmougy SA, Elghamry MI:** Biological activity of phytoestrogens. VI. Fractionation of plasma proteins associated with -sitosterol treatment. Planta Med 22:412-7, Dec 72
ALPHA GLOBULIN/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS/ CASTRATION/ FEMALE/ FIBRINOGEN/ MICE/ OVARY, physiology/ *PHYTOSTEROLS, pharmacodynamics/ SERUM ALBUMIN/ SITOSTEROLS, pharmacodynamics

1513. **Hasson EP, West CA:** A microsomal ATP-activated pyridine nucleotide transhydrogenase. Arch Biochem Biophys 155:258-69, Apr 73
*ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ DINITROPHENOLS, pharmacodynamics/ EDTA, pharmacodynamics/ ENERGY TRANSFER/ KINETICS/ MAGNESIUM, pharmacodynamics/ *MICROSOMES, enzymology/ NADH, NADPH OXIDOREDUCTASES, isolation & purification/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OLIGOMYCIN, pharmacodynamics/ *OXIDOREDUCTASES, metabolism/ PHOSPHORUS ISOTOPES/ PLANTS, cytology/ PLANTS, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, enzymology/ THYROXINE, pharmacodynamics/ TIME FACTORS

1514. **Hattingh J, Bartels H:** The oxygen affinity of axolotl blood and haemoglobin before and after metamorphosis. Respir Physiol 18:1-13, Jun 73
*AMBYSTOMA, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ ELECTROPHORESIS/ GLYCEROPHOSPHATES, blood/ HEMOGLOBIN, analysis/ *HEMOGLOBIN, metabolism/ HEMOGLOBINOMETRY/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ *METAMORPHOSIS, BIOLOGICAL/ *OXYGEN, blood/ RESPIRATION/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

1515. **Hattori T, Mori A:** Bacteriological survey of anaerobic Corynebacterium in human bone marrow and blood. Gann 64:7-14, Feb 73
*BLOOD, microbiology/ *BONE MARROW, microbiology/ BONE MARROW CELLS, transplantation/ BREAST NEOPLASMS, microbiology/ *CORYNEBACTERIUM, isolation & purification/ CORYNEBACTERIUM PYOGENES, isolation & purification/ ESOPHAGEAL NEOPLASMS, microbiology/ GOITER, microbiology/ HUMAN/ HYPERTENSION, PORTAL, microbiology/ INTESTINAL NEOPLASMS, microbiology/ *NEOPLASMS, microbiology/ SARCOMA, microbiology/ STERNUM, microbiology/ STOMACH DISEASES, microbiology/ STOMACH NEOPLASMS, microbiology/ STOMACH NEOPLASMS, therapy/ TRANSPLANTATION, HOMOLOGOUS/ VASCULAR DISEASES, microbiology

1516. **Haunschild CD, Riley HD Jr:** Beta adrenergic blockade theory of bronchial asthma. South Med J 66:401-4, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *ASTHMA, etiology/ ASTHMA, immunology/ ASTHMA, physiopathology/ BRONCHI, physiopathology/ HUMAN/ *RECEPTORS, ADRENERGIC

1517. **Hausknecht RU, Gusberg SB:** Estrogen metabolism in patients at high risk for endometrial carcinoma. II. The role of androstenedione as an estrogen precursor in postmenopausal women with endometrial carcinoma. Am J Obstet Gynecol 116:981-4, 1 Aug 73
AGED/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ *ENDOMETRIUM, metabolism/ ESTRIOL, metabolism/ *ESTROGENS, metabolism/ ESTRONE, biosynthesis/ ESTRONE, urine/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, metabolism/ MENOPAUSE/ MIDDLE AGE/ RADIOACTIVITY/ TRITIUM/ *UTERIN NEOPLASMS, metabolism

1518. **Hawkes JW, Schraer H:** Mineralization during cycle in Lirceus brachyurus (Isopoda: Crust Chemistry and light microscopy. Calcif Tissue Res 12:125-36, 9 May 73
ANIMAL EXPERIMENTS/ *CALCIFICA PHYSIOLOGIC/ CALCIUM, metabolism CALCIUM CARBONATE, metabolism/ *CRUSTACEA, embryology/ CRYSTALLIZATION/ *MORPHOGENES STATISTICS/ TIME FACTORS

1519. **Hayek A, Driscoll SG, Warshaw JB:** Endocrin in anencephaly. J Clin Invest 22:1636-41
*ANENCEPHALUS, blood/ BLOOD SU metabolism/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ INSULIN, diagnostic use/ LYSINE/ MALE/ PROLACTIN, blood/ SOMATOTROPIN, blood/ THYROTROP blood/ THYROTROPIN RELEASING F diagnostic use/ VASOPRESSIN, diagno

1520. **Hayward JR, Melarkey DW, Megquier J:** M fibrous dysplasia of the maxilla: report J Oral Surg 31:625-7, Aug 73
ADULT/ CHILD/ FEMALE/ *FIBROUS DYSPLASIA OF BONE/ FIBROUS DYSPLASIA OF BONE, radiography/ DYSPLASIA OF BONE, surgery/ HUM *MAXILLARY DISEASES/ MAXILLAR DISEASES, radiography/ MAXILLARY DISEASES, surgery/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PUB

1521. **Heath ML:** Bronchospasm in an asthmati following pancuronium. Anaesthesia 28:437
AMINOPHYLLINE, therapeutic use/ *ANDROSTANES, adverse effects/ *A complications/ *BRONCHIAL SPASM, chemically induced/ BRONCHIAL SPA drug therapy/ *CURARE-LIKE AGENT adverse effects/ EPHEDRINE, therape HUMAN/ MALE/ MIDDLE AGE/ OXY therapeutic use/ PANCURONIUM, adv effects/ RESPIRATION, ARTIFICIAL/ TESTS

1522. **Heck J, Gehrmann G:** Probleme des Evans- Klinischer und nuklearmedizinischer B Dtsch Med Wochenschr 98:1163-8, 8 Jun
ADULT/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, diagnosis/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug th ANEMIA, HEMOLYTIC, AUTOIMMUN surgery/ CHROMIUM ISOTOPES, diag use/ COOMBS' TEST/ CORTISONE, therapeutic use/ ENGLISH ABSTRAC FEMALE/ HUMAN/ *LEUKOPENIA, LEUKOPENIA, drug therapy/ LEUKO surgery/ MALE/ MERCAPTOPURINE, therapeutic use/ MIDDLE AGE/ *PU THROMBOPENIC, diagnosis/ PURPUR THROMBOPENIC, drug therapy/ PUR THROMBOPENIC, surgery/ SPLENEC SYNDROME

1523. **Hedinger C, Weber E:** Zur Struktur d Tubulussystemes in menschlichen Hod Z Anat Entwicklungsgesch 139:217-26, 20 M
ENGLISH ABSTRACT/ FETUS, anato histology/ HUMAN/ INFANT, NEWB MALE/ *TESTIS, anatomy & histolog TESTIS, embryology

1524. **Heeley JD, Irving JT:** A comparison of methods for demonstrating calcificatio Calcif Tissue Res 12:169-73, 9 May 7
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BONE AND embryology/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolis CALCIUM ISOTOPES/ FEMALE/ FE metabolism/ FRONTAL BONE/ GEST AGE/ HEAD/ HISTOCYTOCHEMISTR

HISTOLOGICAL TECHNICS/ MANDIBLE, embryology/ MATERNAL-FETAL EXCHANGE/ MAXILLA/ METHODS/ NOSE/ PARIETAL BONE/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ PREGNANCY/ RATS

. **Heffner LJ, Van Tienhoven A:** Effects of progesterone on uptake and retention of 3 H-testosterone in the neonatal female rate.
Neuroendocrinology 12:129-41, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MUSCLES, drug effects/ *MUSCLES, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

. **Heidt CS:** The OR nurse's role in transseptal transsphenoidal hypophysectomy. RN 36:or1-6, Jul 73
HYPOPHYSECTOMY, nursing/ MICROSURGERY/ NASAL SEPTUM/ SPECIAL LIST NURSING/ SPHENOID SINUS/ SURGICAL INSTRUMENTS

. **Heikkila RE, Cohen G:** The inhibition of 3 H-biogenic amine uptake by 5,6-dihydroxytryptamine: a comparison with the effects of 6-hydroxydopamine.
Eur J Pharmacol 21:66-9, Jan 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, antagonists & inhibitors/ BRAIN, drug effects/ BRAIN, enzymology/ BRAIN, metabolism/ CATALASE, analysis/ COMPARATIVE STUDY/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ RATS/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism/ TRITIUM/ TRYPTAMINES, administration & dosage/ *TRYPTAMINES, pharmacodynamics

. **Heim LR, Yunis EJ, Good RA:** The Peyer's patches as thymus-independent lymphoid tissue.
Int Arch Allergy Appl Immunol 43:716-23, 1972
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ GRAFT VS HOST REACTION/ LYMPHOCYTE DEPLETION/ LYMPHOCYTES, immunology/ *LYMPHOID TISSUE/ MICE/ MICE, INBRED C3H/ PEYER'S PATCHES, immunology/ SPLEEN, cytology/ THYMECTOMY/ *THYMUS GLAND, immunology

. **Heimer L:** The olfactory connections of the diencephalon in the rat. An experimental light- and electron-microscopic study with special emphasis on the problem of terminal degeneration.
Brain Behav Evol 6:484-523, 1972
ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, anatomy & histology/ *DIENCEPHALON, anatomy & histology/ HEAT/ HIPPOCAMPUS, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, anatomy & histology/ MICROSCOPY, ELECTRON/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS/ OLFACTORY BULB, anatomy & histology/ OLFACTORY PATHWAYS, anatomy & histology/ RATS

0. **Hein B, Fleckenstein A, Janke J, et al:** Einschränkung der Isoproterenol-induzierten 45 Ca -Netto-Aufnahme und er Utilisation von energiereichem Phosphat im hypertrophierten Rattenmyokard.
Verh Dtsch Ges Kreislaufforsch 38:196-201, 1972 (Ger)
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ HEART, drug effects/ *HEART ENLARGEMENT, metabolism/ ISOPROTERENOL/ ISOPROTERENOL, pharmacodynamics/ *PHOSPHOCREATINE, metabolism/ RATS

1. **Heinrich CP, Hornig D, Wiss O:** Autoradiographic studies on thiamine distribution in normal and thiamine-deficient rats.
Int J Vitam Nutr Res 43:174-86, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN, metabolism/ BROWN FAT, metabolism/ CARBON ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MYOCARDIUM, metabolism/ RATS/ SCINTILLATION COUNTERS/ TESTIS, metabolism/ THIAMINE, metabolism/ *THIAMINE DEFICIENCY, metabolism

1532. **Heisig N:** Diagnosi di stato diabetico in gravidanza.
Minerva Med 64:1695-8, 5 May 73 (Ita)
BLOOD SUGAR, analysis/ DIABETES MELLITUS, diagnosis/ DIAGNOSTIC ERRORS/ FALSE POSITIVE REACTIONS/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ METHODS/ PREDNISONE, diagnostic use/ PREGNANCY/ *PREGNANCY IN DIABETES, diagnosis/ TOLBUTAMIDE, diagnostic use

1533. **Heitzman EB, Markarian B:** Unilateral proptosis with loss of vision. NY State J Med 73:1671-5, 15 Jun 73
ADULT/ BLINDNESS, etiology/ CASE REPORT/ *ETHMOID SINUS/ EXOPHTHALMOS, etiology/ HUMAN/ MALE/ MUCOCELE, complications/ *MUCOCELE, diagnosis

1534. **Helber A, Kaufmann W, Meurer KA, et al:** Untersuchungen zur Autonomie der Aldosteronsekretion bei primärem Hyperaldosteronismus. Beitrag zu Diagnose und Differnetialdiagnose des "Conn-Syndroms".
Klin Wochenschr 51:404-10, 15 Apr 73 (Ger)
*ADRENAL GLANDS, physiopathology/ ADULT/ *ALDOSTERONE, secretion/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, physiopathology/ HYPERPLASIA/ HYPERTENSION, diagnosis/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ RENIN, blood/ SODIUM, diagnostic use/ SODIUM, pharmacodynamics/ TRITIUM

1535. **Helbig W, Schwenke H, Runge A, et al:** Drejahresresultate der zytostatischen Kombinationsbehandlung unreifzelliger Leukosen Erwachsener im Vergleich zu Früheren Therapieverfahren.
Z Gesamte Inn Med 28:128 contd, 15 Apr 73 (Ger)
ACUTE DISEASE/ FEMALE/ HUMAN/ *LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, therapeutic use

1536. **Helfand AE:** A clinical study of methylprednisolone acetate (Depo-Medrol) in the treatment of pain and inflammation associated with various foot disorders.
J Am Podiatry Assoc 63:287-92, Jul 73
ADOLESCENCE/ ADULT/ AGED/ ANESTHETICS, LOCAL/ CLINICAL RESEARCH/ *FOOT DISEASES, drug therapy/ INFLAMMATION, drug therapy/ MEPIVACAINE, therapeutic use/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PAIN, drug therapy/ PLACEBOS

1537. **Helle I:** Newer diagnostic and therapeutic methods in meningitis and encephalitis.
Acta Neurol Scand [Suppl] 51:305-19, 1972
ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ ANTIVIRAL AGENTS, therapeutic use/ BIOPSY/ BRAIN, pathology/ CHILD/ CHILD, PRESCHOOL/ CYTARABINE, therapeutic use/ *ENCEPHALITIS/ ENCEPHALITIS, diagnosis/ ENCEPHALITIS, drug therapy/ ENCEPHALITIS, therapy/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IDOXURIDINE, therapeutic use/ INFANT/ LATEX FIXATION TESTS/ *MENINGITIS/

LIBRARY U. OF I., URBANA-CHAMPAIGN

MENINGITIS, diagnosis/ MENINGITIS, drug therapy/ METHODS/ MIDDLE AGE/ STEROIDS, therapeutic use/ SULFONAMIDES, therapeutic use

1538. **Hemet J, Chieq C:** Les calcifications métastatiques des hyperparathyroïdies primitives.
Sem Hop Paris 49:495-500, 8 Feb 73 **(Fre)**
ADENOMA, complications/ *ADENOMA, pathology/ CALCINOSIS, etiology/ *CALCINOSIS, pathology/ CALCINOSIS, physiopathology/ CALCIUM, blood/ ENGLISH ABSTRACT/ GASTRIC MUCOSA, pathology/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, physiopathology/ KIDNEY, pathology/ LUNG, pathology/ MYOCARDIUM, pathology/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, pathology/ THYROID GLAND, pathology

1539. **Hemington JG, Chenoweth M, Dunn A:** Cyclic nucleotide phosphodiesterase activity in the plasma and erythrocytes of normal and diabetic rats.
Biochim Biophys Acta 304:552-9, 28 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ DIABETES MELLITUS, chemically induced/ *DIABETES MELLITUS, enzymology/ *ERYTHROCYTES, enzymology/ GEL FILTRATION/ GLUCOSE TOLERANCE TEST/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ INSULIN, blood/ KINETICS/ LIVER, metabolism/ MALE/ MOLECULAR WEIGHT/ MUSCLES, metabolism/ *PHOSPHODIESTERASES, blood/ PHOSPHODIESTERASES, metabolism/ *PLASMA, enzymology/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STREPTOZOTOCIN/ TRITIUM

1540. **Hempelmann G, Hempelmann W, Kahlstorf J, et al:** Erfahrungen mit dem neuen Steroid-Anaestheticum CT 1341.
Anaesthesist 22:142-6, Apr 73 **(Ger)**
ADULT/ AGED/ *ANESTHETICS/ ANESTHETICS, adverse effects/ ANGIOGRAPHY/ ARTERIAL OCCLUSIVE DISEASES/ ARTERIES/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE/ COUGH, chemically induced/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HEART RATE/ HUMAN/ HYDROXYSTEROIDS/ HYPOTENSION, chemically induced/ KETOSTEROIDS/ MALE/ MIDDLE AGE/ OXYGEN, blood/ OXYGEN INHALATION THERAPY/ PARTIAL PRESSURE/ *PREGNANES/ TACHYCARDIA, chemically induced

1541. **Hench LL, Paschall HA:** Direct chemical bond of bioactive glass-ceramic materials to bone and muscle.
J Biomed Mater Res 7:25-42, 1973
ALKYLATION/ ANIMAL EXPERIMENTS/ BIOCOMPATIBLE MATERIALS/ BIOPHYSICS/ BONE AND BONES, cytology/ *BONE AND BONES, metabolism/ CALCIUM/ *CERAMICS/ CRYSTALLIZATION/ *GLASS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ ION EXCHANGE/ METALS/ MICROSCOPY, ELECTRON/ MUSCLES, cytology/ *MUSCLES, metabolism/ PHOSPHORUS/ *PROSTHESIS/ RATS/ SODIUM/ STAINS AND STAINING/ SURFACE PROPERTIES/ TETRACYCLINE

1542. **Hendershot EL:** Luetic deafness.
Laryngoscope 83:865-70, Jun 73
AGED/ AUDITORY THRESHOLD/ CORTISONE, administration & dosage/ CORTISONE, adverse effects/ CORTISONE, therapeutic use/ DEAFNESS, drug therapy/ *DEAFNESS, etiology/ DEAFNESS, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ KAHN TEST/ MALE/ MIDDLE AGE/ PENICILLIN, therapeutic
PITUITARY-ADRENAL SYSTEM, drug eff
PREDNISONE, therapeutic use/ *SYPHILI
complications/ SYPHILIS, diagnosis/ SYPHILIS, drug therapy/ SYPHILIS, CONGENITAL, drug therapy/ SYPHILIS SERODIAGNOSIS/ TEMPORAL BONE, pathology/ TREPONEMA IMMOBILIZATIO
TEST

1543. **Henderson JT, Richmond J, Sumerling MD:** Androgenic-anabolic steroid therapy and hepatocellular carcinoma.
Lancet 1:934, 28 A
*ANABOLIC STEROIDS, adverse effects/ *ANDROGENS, adverse effects/ AUSTRA
ANTIGEN, isolation &: purification/ CHIL
CHILD, PRESCHOOL/ *HEPATOMA, chemically induced/ HUMAN/ LIVER/ *L
NEOPLASMS, chemically induced/ MALE
METHYLTESTOSTERONE, adverse effects
NORETHANDROLONE, adverse effects/
RADIOISOTOPE SCANNING/ STANOZOL
adverse effects

1544. **Henderson LE, Henriksson D, Nyman PO:** Amin
sequence of human erythrocyte carbonic anhyd
Biochem Biophys Res Commun 52:1388-94, 19
ALKYLATION/ AMIDINES/ *AMINO AC
SEQUENCE/ AMINO ACIDS, analysis/ AMINOPEPTIDASES/ *CARBONIC ANHYDRASE, blood/ CARBOXYPEPTIDA
CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ DANSYL COMPOUNDS
ELECTROPHORESIS, PAPER/ *ERYTHROCYTES, enzymology/ GEL FILTRATION/ HUMAN/ IODOACETATES
LEUCINE AMINOPEPTIDASE/ PEPTIDE
analysis/ PEPTIDES, isolation & purifica
SUBTILISINS/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN

1545. **Henderson RR, Hansing CE, Razavi M, et al:** Res
of an obstructive coronary lesion as demonstr
selective angiography in a patient with tran
myocardial infarction.
Am J Cardiol 31:785-8,
ACUTE DISEASE/ ADULT/ ANGIOCARDIOGRAPHY/ CASE REPORT
CONTRACEPTIVES, ORAL, adverse effe
*CORONARY CIRCULATION/ CORONAR
VESSELS, radiography/ FEMALE/ HEAR
physiopathology/ HUMAN/ MYOCARDIA
INFARCT, chemically induced/ *MYOCA
INFARCT, physiopathology/ MYOCARDIA
INFARCT, radiography/ TIME FACTORS

1546. **Hendricks SE, Scheetz HA:** Interaction of hypoth
structures in the mediation of male sexual be
Physiol Behav 10:711-6, Apr 73
ANIMAL EXPERIMENTS/ HYDROXYTRYPTOPHAN, pharmacodyna
HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INHIBIT
(PSYCHOLOGY)/ LATERALITY/ MALE/
NEURAL INTERCONNECTIONS, physiol
RATS/ *SEX BEHAVIOR, ANIMAL/ SE
BEHAVIOR, ANIMAL, drug effects/ STEREOTAXIC TECHNICS

1547. **Hendrikse JC:** De lokale toepassing van corticosteroïden.
Tijdschr Ziekenverpl 26:713-7, 3 Jul 73
DERMATOLOGIC AGENTS/ GLUCOCORTICOIDS, administration & d
SKIN DISEASES, drug therapy/ SPECIA
LIST NURSING

1548. **Hendrikse JC:** Bemerkungen zur Mitteilun
"Nebenwirkungen externer Corticosteroidth
von E. Schöpf (Hautarzt 23, 295 (1972)
Hautarzt 24:165, Apr 73
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL C
HORMONES, adverse effects/ *ANTI-INFLAMMATORY AGENTS, TOP
adverse effects/ CUSHING'S SYNDROM
chemically induced/ HUMAN

1549. **Hendry IA:** Trans-synaptic regulation of
hydroxylase activity in a developing mo
sympathetic ganglion: effects of nerve growt

(NGF), NGF-antiserum and pempidine.
Brain Res 56:313-20, 29 Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DOPA, metabolism/ *GANGLIA, AUTONOMIC, drug effects/ GANGLIA, AUTONOMIC, enzymology/ GANGLIA, AUTONOMIC, growth & development/ *IMMUNE SERUMS, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MICE/ *NERVE GROWTH FACTOR, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ *PEMPIDINE, pharmacodynamics/ SPINAL NERVES, physiology/ SYNAPTIC MEMBRANES, drug effects/ TRITIUM/ TYROSINE, metabolism/ *TYROSINE HYDROXYLASE, metabolism

Henke PG: Effects of reinforcement omission on rats with lesions in the amygdala.
J Comp Physiol Psychol 84:187-93, Jul 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *CONDITIONING, OPERANT/ DRINKING BEHAVIOR/ EXTINCTION (PSYCHOLOGY)/ FRUSTRATION/ HOUSING, ANIMAL/ MALE/ RATS/ REACTION TIME/ *REINFORCEMENT SCHEDULE/ *REWARD/ STEREOTAXIC TECHNICS/ WATER DEPRIVATION

Henke PG, Maxwell D: Lesions in the amygdala and the frustration effect. Physiol Behav 10:647-50, Apr 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ EXTINCTION (PSYCHOLOGY)/ FEEDING BEHAVIOR/ *FRUSTRATION/ *LOCOMOTION/ MALE/ RATS/ REINFORCEMENT SCHEDULE/ *REWARD/ STEREOTAXIC TECHNICS

Henney CS, Bubbers JE: Antigen-T lymphocyte interactions: inhibition by cytochalasin B.
J Immunol 111:85-90, Jul 73
ADSORPTION/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ CHROMIUM ISOTOPES/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *INDOLES, pharmacodynamics/ *T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *MONILIALES/ PROSTAGLANDINS, pharmacodynamics/ SARCOMA, MAST CELL, immunology/ SPLEEN, cytology/ SPLEEN, immunology/ TIME FACTORS

Henry R, Le Baic'h M, Henry M: Caractérisation, dans les urines de cobayes mâles, d'un métabolite de la testostérone: la beta androstane 3 alpha ol 7-17 dione.
C R Acad Sci [D] (Paris) 275:1427-30, 25 Sep 72 **(Fre)**
ANDROSTANES, isolation & purification/ ANDROSTANES, metabolism/ *ANDROSTANES, urine/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, PAPER/ GLUCURONATES, urine/ GUINEA PIGS/ KETONES, isolation & purification/ KETONES, metabolism/ KETONES, urine/ MALE/ SPECTROPHOTOMETRY, INFRARED/ *TESTOSTERONE, metabolism/ TRITIUM

Héraut L, Bresson Y, Girard PL, et al: Chorée et hyperthyroidie (A propos d'une observation.
Bull Soc Med Afr Noire Lang Fr 17:459-64, 1972 **(Fre)**
ADULT/ *CHOREA, complications/ CHOREA, diagnosis/ CHOREA, etiology/ CHOREA, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS

Herd JK, Motycka L: Detection of proteolytic enzymes in agar electrophoresis.
Anal Biochem 53:514-21, Jun 73
CATTLE/ ELECTROPHORESIS/ HORSES/ HYALURONIC ACID/ HYALURONIDASE, analysis/ METHODS/ PAPAIN, analysis/ *PEPTIDE HYDROLASES, analysis/ PRONASE, analysis/ SERUM ALBUMIN, BOVINE/ TESTIS, enzymology

1556. **Herd PA, Hammond RP, Hamolsky MW:** Sodium pump activity during norepinephrine-stimulated respiration in brown adipocytes.
Am J Physiol 224:1300-4, Jun 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ BROWN FAT, cytology/ *BROWN FAT, metabolism/ CELL SEPARATION/ CHOLINE, metabolism/ COLD/ EXTRACELLULAR SPACE, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ INCUBATORS/ NOREPINEPHRINE, pharmacodynamics/ *OUABAIN, pharmacodynamics/ *OXYGEN CONSUMPTION, drug effects/ POTASSIUM, pharmacodynamics/ RATS/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ THYROXINE, pharmacodynamics

1557. **Herishanu Y:** Antiviral drugs in Jakob-Creutzfeldt disease. J Am Geriatr Soc 21:229-31, May 73
*AMANTADINE, therapeutic use/ APHASIA, complications/ *CREUTZFELDT-JAKOB DISEASE, drug therapy/ DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ DYSLEXIA, complications/ ECHOLALIA, complications/ ELECTROENCEPHALOGRAPHY/ HUMAN/ *IDOXURIDINE, therapeutic use/ MALE/ MIDDLE AGE

1558. **Herman JH, Wiltse DW, Dennis MV:** Immunopathologic significance of cartilage antigenic components in rheumatoid arthritis.
Arthritis Rheum 16:287-97, May-Jun 73
ADULT/ *ANTIBODIES, analysis/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ ARTHRITIS, INFECTIOUS, immunology/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, immunology/ *CARTILAGE, ARTICULAR, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GOUT, immunology/ HUMAN/ HYPERSENSITIVITY, DELAYED/ *IMMUNITY, CELLULAR/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ MITOGENS/ OSTEOARTHRITIS, immunology/ PLANT AGGLUTININS/ POLYSACCHARIDES/ PREDNISONE, therapeutic use/ PSORIASIS, immunology/ *SYNOVIAL FLUID, immunology

1559. **Herman ZS:** Influence of noradrenaline, 5-hydroxytryptamine and acetylcholine injected intraventricularly on the rat's behaviour.
Acta Physiol Pol 24:87-91, Jan-Feb 73
ACETYLCHOLINE, administration & dosage/ ACETYLCHOLINE, physiology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMINES, pharmacodynamics/ BLOOD-BRAIN BARRIER/ DEPRESSION, chemically induced/ INJECTIONS, INTRATHECAL/ MALE/ MOTOR ACTIVITY/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, physiology/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ TIME FACTORS

1560. **Hermier C, Santos AA, Wisnewsky C, et al:** Rôle de l'AMP et d'une protéine régulatrice dans l'action, in vitro, de la gonadotropine choriale humaine (HCG) sur le corps jaune humain.
C R Acad Sci [D] (Paris) 275:1415-21, 25 Sep 72 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ OXYGEN, pharmacodynamics/ *PROGESTERONE, biosynthesis/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics

1561. **Herrath D von, Kraft D, Grigoleit HG, et al:** Die Behandlung der urämischen Osteopathie. II. Die Wirkung von 5,6-trans-25-Hydroxycholecalciferol bei terminaler Niereninsuffizienz.

LIBRARY U. OF I., URBANA-CHAMPAIGN

Dtsch Med Wochenschr 98:1379-81, Jul 73 (Ger)
ADULT/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ INJECTIONS, INTRAVENOUS/ INTESTINAL ABSORPTION/ KIDNEY FAILURE, CHRONIC, complications/ LONG TERM CARE/ MALE/ MIDDLE AGE/ *RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ *UREMIA, drug therapy

1562. **Herrera Justiniano E, Díaz Gálvez M, Rodríguez de Quesada B, et al:** Niveles plasmáticos de 11-hidroxi y 11-desoxicorticoides en la valoración de la prueba de metopirona.
Rev Clin Esp 129:33-8, 1 Apr 73 (Spa)
*ADDISON'S DISEASE, physiopathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOPITUITARISM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ *METYRAPONE, diagnostic use/ PITUITARY-ADRENAL SYSTEM/ PREGNANCY/ *PUERPERAL DISORDERS, physiopathology/ SHEEHAN'S SYNDROME, physiopathology

1563. **Hershman JM:** Thyroid function tests in endemic cretinism. Adv Exp Med Biol 30:161-74, 1972
BRAZIL/ *CRETINISM, diagnosis/ CRETINISM, drug therapy/ CRETINISM, physiopathology/ ECUADOR/ GOITER, NODULAR, metabolism/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODIZED OILS, therapeutic use/ MYXEDEMA, metabolism/ NEW GUINEA/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ SWITZERLAND/ THYROID GLAND, metabolism/ *THYROID GLAND, physiopathology/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN, diagnostic use/ ZAIRE

1564. **Hervonen A, Kanerva L, Lietzén R:** Histochemically demonstrable catecholamines and cholinesterases of the rat uterus during estrus cycle, pregnancy and after estrogen treatment.
Acta Physiol Scand 87:283-8, Feb 73
*ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ *CHOLINESTERASE, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HISTOCYTOCHEMISTRY/ NEURONS/ PREGNANCY/ RATS/ UTERUS, drug effects/ UTERUS, enzymology/ UTERUS, innervation/ *UTERUS, metabolism

1565. **Hesch RD, Woodhead S, Huefner M, et al:** Gastrointestinal stimulation of calcitonin in adults and newborns. Horm Metab Res 5:235, May 73
ANTIGENS/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ METHODS/ *PENTAGASTRIN, pharmacodynamics/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ THYROCALCITONIN, metabolism/ TIME FACTORS

1566. **Hetenyi G Jr, Singhal RL:** Effect of insulin on cerebral adenyl cyclase and phosphodiesterase.
Horm Metab Res 5:139, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *BRAIN, enzymology/ GASTROINTESTINAL SYSTEM, physiology/ HYPOGLYCEMIA/ *INSULIN, pharmacodynamics/ MALE/ *PHOSPHODIESTERASES, metabolism/ RATS/ TIME FACTORS

1567. **Hetzel BS:** Similarities and differences between sporadic and endemic cretinism.
Adv Exp Med Biol 30:119-34, 1972
BRAZIL/ *CRETINISM, classification/ CRETINISM, occurrence/ DEAF-MUTISM, etiology/ ECUADOR/ GOITER, ENDEMIC, complications/ HUMAN/ HYPOTHYROIDISM, complications/ IODINE, metabolism/ MATERNAL-FETAL EXCHANGE/ NEPAL/ NEUROMUSCULAR DISEASES, etiology/ GUINEA/ PREGNANCY/ PREGNANCY COMPLICATIONS/ ZAIRE

1568. **Heumann W:** Die Konjugation bei sternbild Bodenbakterien.
Zentralbl Bakteriol [Orig A] 220:335-42, May 72
AMINO ACIDS, biosynthesis/ CAROTENO biosynthesis/ CHROMOSOME MAPPING/ CILIA/ *CONJUGATION, GENETIC/ DNA CIRCULAR/ GENETIC COMPLEMENTATI TEST/ GENETICS, MICROBIAL/ MUTAT NUCLEIC ACIDS, biosynthesis/ *PSEUDOMONAS, growth & development RECOMBINATION, GENETIC/ *RHIZOBI growth & development/ SEX DETERMINATION/ SOIL MICROBIOLOG VITAMINS, biosynthesis

1569. **Heuser HP, Staemmler HJ:** Histological investi into the effect of oestriol succinate on the uteri in postmenopausal women.
Arzneim Forsch 23:558-62, Apr 73
AGED/ CAPILLARIES, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRU *ENDOMETRIUM, pathology/ ESTRIOL, administration & dosage/ ESTRIOL, pharmacodynamics/ *ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ NEURASTHENIA, drug therapy/ PREMENSTRUAL TENSION, drug thera SUCCINATES/ SYNDROME/ UTERINE HEMORRHAGE, chemically induced

1570. **Hidaka H, Asano T, Takemoto N:** Analogues of (5-butylpicolinic) acid as potent inhibito dopamine-hydroxylase. Mol Pharmacol 9:172-7
ADRENAL GLANDS, enzymology/ CARBAMATES, pharmacodynamics/ CAT CHELATING AGENTS, pharmacodynamic COPPER/ DIPHENOL OXIDASES, antag & inhibitors/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibito DRUG STABILITY/ *PICOLINIC ACIDS, pharmacodynamics/ QUINOLINES/ TYRA

1571. **Hiebert JM, Sixt N, Soeldner JS, et al:** Altered and glucose metabolism produced by epin during hemorrhagic shock in the adrenalec primate. Surgery 74:223-34, Aug 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIM BLOOD PRESSURE DETERMINATION/ DOSE-RESPONSE RELATIONSHIP, DRU EPINEPHRINE, administration & dosage *EPINEPHRINE, pharmacodynamics/ FE *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HYDROCORTISON pharmacodynamics/ INSULIN, antagonist inhibitors/ *INSULIN, metabolism/ INSU secretion/ MACACA/ MALE/ MONKEYS PANCREAS, physiopathology/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SECRETORY RATE/ *SHOCK, HEMORRHAGIC, metabolism

1572. **Hiestand PC, Eppenberger U, Jungmann** Mechanism of action of gonadotropin. 3. Bi adenosine 3',5'-monophosphate by the 105, supernatant fraction from homogenates ovaries. Endocrinology 93:217-30, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CATT CENTRIFUGATION, DENSITY GRADIE CHROMATOGRAPHY, DEAE-CELLULOS CYTOSINE NUCLEOTIDES, metabolism CYTOSOL, enzymology/ *CYTOSOL, metabolism/ DIALYSIS/ ELECTROPHO POLYACRYLAMIDE GEL/ FEMALE/ FILTRATION/ GUANOSINE CYCLIC 3' MONOPHOSPHATE, metabolism/ HEAT PHOSPHOTRANSFERASES, analysis/ PRONASE, pharmacodynamics/ PROTE BINDING/ SODIUM DODECYL SULFA pharmacodynamics/ TRITIUM/ URACIL NUCLEOTIDES, metabolism

. **Highman VN, Weale RA:** Rhodopsin density and visual threshold in retinitis pigmentosa.
Am J Ophthalmol 75:822-32, May 73
ABSORPTION/ ADOLESCENCE/ ADULT/ CHILD/ CHROMOSOMES/ DENSITOMETRY/ FEMALE/ FUNDUS OCULI/ HUMAN/ KINETICS/ MALE/ METHODS/ MIDDLE AGE/ PHOTOGRAPHY/ PHOTOLYSIS/ *RETINAL PIGMENTS/ RETINAL PIGMENTS, metabolism/ *RETINITIS PIGMENTOSA, diagnosis/ RETINITIS PIGMENTOSA, familial & genetic/ SEX CHROMOSOMES/ *VISUAL ACUITY

. **Hilborn JC, Anastassiadis PA:** Studien on avian mucopolysaccharide-peptide complexer and on in vivo incorporation of D-(1 14 -C) hexosamine.
Can J Biochem 51:642-53, May 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ *COMB AND WATTLES, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GALACTOSAMINE, metabolism/ GLUCOSAMINE, metabolism/ *GLYCOPEPTIDES/ GLYCOPEPTIDES, analysis/ GLYCOPEPTIDES, biosynthesis/ *HEXOSAMINES, metabolism/ HYDROLYSIS/ ION EXCHANGE RESINS/ *LIVER, metabolism/ MALE/ *MUCOPOLYSACCHARIDES/ MUCOPOLYSACCHARIDES, analysis/ MUCOPOLYSACCHARIDES, biosynthesis/ *MYOCARDIUM, metabolism/ NEURAMINIC ACIDS, analysis/ *SKIN, metabolism/ SPECTROPHOTOMETRY, INFRARED/ TESTIS, metabolism/ URONIC ACIDS, analysis

. **Hilf R, Rector W, Abraham S:** A glucose-6-phosphate dehydrogenase isoenzyme characteristic of preneoplastic and neoplastic mouse mammary tissue.
J Natl Cancer Inst 50:1395-8, May 73
*ADENOCARCINOMA, enzymology/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ ISOENZYMES, isolation & purification/ *ISOENZYMES, metabolism/ LACTATION/ MAMMAE, enzymology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MICE/ MICE, INBRED BALB C/ *PRECANCEROUS CONDITIONS, enzymology/ PREGNANCY

. **Hilgard P, Hohage R, Schmitt W, et al:** Microangiopathic haemolytic anaemia associated with hypercalcaemia in an experimental rat tumour.
Br J Haematol 24:245-54, Feb 73
*ANEMIA, HEMOLYTIC, complications/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD COAGULATION DISORDERS, etiology/ BLOOD UREA NITROGEN/ *CARCINOMA 256, WALKER/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ FACTOR VIII/ FEMALE/ FIBRIN/ FIBRINOGEN, metabolism/ HALF-LIFE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ *HYPERCALCEMIA, complications/ IODINE ISOTOPES/ NEOPLASM TRANSPLANTATION/ PLASMINOGEN, analysis/ PLATELET ADHESIVENESS/ RATS/ SERUM GLOBULINS/ THROMBELASTOGRAPHY/ TRANSPLANTATION, HOMOLOGOUS

. **Hill CW, Combriato G, Steinhart W, et al:** The nucleotide sequence of the GGG-specific glycine transfer ribonucleic acid of Escherichia coli and of Salmonella typhimurium.
J Biol Chem 248:4252-62, 25 Jun 73
BASE SEQUENCE/ COLIPHAGES/ COLIPHAGES, enzymology/ ELECTROPHORESIS, PAPER/ *ESCHERICHIA COLI, analysis/ GENETIC CODE/ GLYCINE/ GUANINE NUCLEOTIDES/ HELPER VIRUS/ MUTATION/ OLIGONUCLEOTIDES, analysis/ PANCREAS, enzymology/ PHOSPHORUS ISOTOPES/ RIBONUCLEASE/ *RNA, BACTERIAL, analysis/ RNA, BACTERIAL, isolation & purification/ *RNA, TRANSFER, analysis/ RNA, TRANSFER, isolation & purification/ *SALMONELLA TYPHIMURIUM, analysis/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOURACIL, analysis/ TRANSDUCTION, GENETIC/ TRITIUM/ URACIL NUCLEOTIDES, analysis

1578. **Hillier SG, Brownsey BG, Cameron EH:** Some observations on the determination of testosterone in human plasma by radioimmunoassay using antisera raised against testosterone-3-BSA and testosterone-11 -BSA. Steroids 21:735-54, May 73
CATTLE/ CHARCOAL/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SEX FACTORS/ SOLVENTS/ SUCCINATES, analysis/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

1579. **Hindocha P, Biswas S:** A rapid double-antibody radioimmunoassay for human placental lactogen.
Clin Chim Acta 45:309-11, 18 May 73
ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ FEMALE/ GESTATIONAL AGE/ HUMAN/ IODINE ISOTOPES/ METHODS/ *PLACENTAL LACTOGEN/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM ISOTOPES/ TIME FACTORS

1580. **Hinkes E, Crandall BF, Weber F, et al:** Acute leukemia with C-G chromosome translocation.
Blood 41:259-63, Feb 73
ADULT/ BONE MARROW EXAMINATION/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 21-22/ HUMAN/ INJECTIONS, INTRATHECAL/ KARYOTYPING/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, familial & genetic/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, administration & dosage/ PEDIGREE/ PREDNISONE, therapeutic use/ QUINACRINE/ SKIN, cytology/ VINCRISTINE, therapeutic use

1581. **Hinkes E, Plotkin D:** Reversible drug-induced sterility in a patient with acute leukemia.
JAMA 223:1490-1, 26 Mar 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ *ANTINEOPLASTIC AGENTS, adverse effects/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ FOLLOW-UP STUDIES/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ MERCAPTOPURINE, administration & dosage/ MERCAPTOPURINE, adverse effects/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ PATERNITY/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REMISSION/ SPERMATOZOA, analysis/ *STERILITY, MALE, chemically induced/ TIME FACTORS

1582. **Hinman DJ, Griffith DR:** Effects of ventromedial hypothalamic lesions on thyroid secretion rate in rats.
Horm Metab Res 5:48-50, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ HYPERINSULINISM/ *HYPOTHALAMUS, injuries/ HYPOTHALAMUS, physiopathology/ IODINE ISOTOPES/ LIPIDS, metabolism/ MALE/ OBESITY, etiology/ OBESITY, metabolism/ RATS/ SECRETORY RATE/ SOMATOTROPIN/ *THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ THYROXINE, secretion

1583. **Hinsch GW:** Sperm structure of Oxyrhyncha.
Can J Zool 51:421-6, Apr 73
ANIMAL EXPERIMENTS/ *CRABS, anatomy & histology/ MALE/ MICROSCOPY, ELECTRON/ *SPERMATOZOA, cytology/ TESTIS, cytology

LIBRARY U. OF I., URBANA-CHAMPAIGN

1584. **Hinzpeter T:** Das Cylindrom der Orbita. Radiologe 12:428-30, Dec 72 **(Ger)**
ADULT/ AGED/ BLINDNESS, diagnosis/ CYLINDROMA, diagnosis/ *CYLINDROMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, diagnosis/ FEMALE/ HUMAN/ MALE/ MENINGIOMA, diagnosis/ OPTIC ATROPHY, diagnosis/ *ORBITAL NEOPLASMS, radiography/ PROGNOSIS

1585. **Hioco D, Denis F, Brodaty I, et al:** Traitement de l'ostéoporose par perfusions calciques répétées. Rev Rhum Mal Osteoartic 40:163-9, Mar 73 **(Fre)**
ALKALINE PHOSPHATASE, blood/ *CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, therapeutic use/ CALCIUM, urine/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYPROLINE, urine/ INJECTIONS, INTRAVENOUS/ *OSTEOPOROSIS, drug therapy/ PAIN/ PHOSPHATES, blood

1586. **Hirai N:** [Sexual precocity and environmental factors] Jap J Nurs Art 19:108-14, May 73 **(Jap)**
ENVIRONMENT/ PUBERTY, PRECOCIOUS/ SEX BEHAVIOR/ SPECIAL LIST NURSING

1587. **Hirano T, Johnson DW, Bern HA, et al:** Studies on water and ion movements in the isolated urinary bladder of selected freshwater, marine and euryhaline teleosts. Comp Biochem Physiol [A] 45:529-40, 1 Jun 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLADDER, drug effects/ *BLADDER, metabolism/ CHLORIDES, metabolism/ CYPRINIDAE/ *FISHES, metabolism/ HYPOTONIC SOLUTIONS/ PROLACTIN, pharmacodynamics/ SALMONIDAE/ SODIUM, metabolism/ SPECIES SPECIFICITY/ *WATER-ELECTROLYTE BALANCE

1588. **Hirose T, Higashi R, Ikeda H, et al:** Effect of ethanol on adrenaline and noradrenaline secretion of the adrenal gland in the dog. Tohoku J Exp Med 109:85-8, Jan 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, secretion/ ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, blood/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOGS/ *EPINEPHRINE, secretion/ FEMALE/ INJECTIONS, INTRAVENOUS/ MALE/ *NOREPINEPHRINE, secretion/ SLEEP

1589. **Hirsch PF, Sliwowski A, Orimo H, et al:** On the mode of the hypocalcemic action of thyrocalcitonin and its enhancement by phosphate in rats. Endocrinology 93:12-9, Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ *CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ DIET/ DRUG SYNERGISM/ EXTRACELLULAR SPACE, metabolism/ FASTING/ MALE/ *PHOSPHATES, pharmacodynamics/ RATS/ *THYROCALCITONIN, pharmacodynamics/ TIME FACTORS

1590. **Hirschman RJ, Shulman NR:** The use of platelet serotonin release as a sensitive method for detecting anti-platelet antibodies and a plasma anti-platelet factor in patients with idiopathic thrombocytopenic purpura. Br J Haematol 24:793-802, Jun 73
ANTIBODIES/ *BLOOD PLATELETS, immunology/ CARBON ISOTOPES/ COMPLEMENT FIXATION TESTS/ GAMMA GLOBULIN, 7S/ HUMAN/ ISOANTIBODIES/ LUPUS ERYTHEMATOSUS, SYSTEMIC/ *PURPURA, THROMBOPENIC, immunology/ QUINIDINE/ *SEROTONIN, secretion

1591. **Hishida T, Munechika H, Kitahara T, et al:** [ETR-test during pregnancy] Jap J Nucl Med 9:569-72, Dec 72 **(Jap)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PREGNANCY/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis

1592. **Hitchman AJ, Kerr MK, Harrison JE:** The purification of pig vitamin D-induced intestinal calcium bin protein. Arch Biochem Biophys 155:221-2, Ma
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *CHOLECALCIFEROL, pharmacodynamics/ CHROMATOGRAPHY, DEAE-CELLULOSE/ EDTA/ ELECTROPHORESIS, DISK/ INTESTINES, drug effects/ *INTESTINES, metabolism/ METHODS/ PROTEIN BINDING/ *PROTEI isolation & purification/ SWINE

1593. **Hixon JE, Raud HR, Armstrong DT:** Prolactin-ind luteolysis in rats following ovarian x-irradia Endocrinology 92:1667-72, Jun 73
ANIMAL EXPERIMENTS/ *CORPUS LUTE drug effects/ CORPUS LUTEUM, radiation effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ LATERALITY/ *OVARY, radiati effects/ PROLACTIN, antagonists & inhibi PROLACTIN, blood/ *PROLACTIN, pharmacodynamics/ *RADIATION EFFECT RATS

1594. **Hladovec J:** The effect of some platelet aggregatin potential thrombosis-promoting substances o development of experimental arterial throm Thromb Diath Haemorrh 29:196-200, 28 Fe
ADENOSINE DIPHOSPHATE/ AMINOCAP ACID/ ANIMAL EXPERIMENTS/ BENZOPYRANS/ CAROTID ARTERY THROMBOSIS, chemically induced/ EPINEPHRINE/ FEMALE/ KALLIKREIN-TRYPSIN INACTIVATOR/ KETONES/ RATS/ SEROTONIN/ TANNIN THROMBIN/ *THROMBOSIS, chemically induced

1595. **Ho IK, Loh HH, Way EL:** Influence of 5,6-dihydroxytryptamine on morphine toleranc physical dependence. Eur J Pharmacol 21:331-6, Mar 73
AMINES, analysis/ ANIMAL EXPERIMEN BEHAVIOR, ANIMAL, drug effects/ BRA metabolism/ BRAIN CHEMISTRY/ CATECHOLAMINES, analysis/ DRUG TOLERANCE, drug effects/ LETHAL DO 50/ MALE/ MICE/ MORPHINE, antagonis inhibitors/ MORPHINE, metabolism/ *MORPHINE, pharmacodynamics/ *MORPI ADDICTION/ NALOXONE, pharmacodyna SEROTONIN, analysis/ TIME FACTORS/ TRYPTAMINES, administration & dosage *TRYPTAMINES, pharmacodynamics/ TRYPTAMINES, toxicity

1596. **Hocman G, Knopp J:** Gel filtration of thyroxine-b proteins. Identification of rat plasma pr fractions separated on sephadex G-200. J Chromatogr 79:340-3, 16 May 73
ANIMAL EXPERIMENTS/ *ELECTROPHORESIS, POLYACRYLAMID GEL/ GEL FILTRATION/ IODINE ISOT METHODS/ RATS/ *THYROXINE-BINDI PROTEIN, analysis

1597. **Hodkinson HM, Round P, Stanton BR, et al:** Su vitamin D, and osteomalacia in the elde Lancet 1:910-2, 28 Apr 73
AGED/ *AGED/ ALKALINE PHOSPHAT blood/ CALCIUM, blood/ ENGLAND/ FEMALE/ HUMAN/ MALE/ OSTEOMAL etiology/ *OSTEOMALACIA, occurrence/ PHOSPHATES, blood/ SCOTLAND/ SEA *SUNLIGHT/ TIME FACTORS/ *VITAMI administration & dosage/ VITAMIN D DEFICIENCY, complications

1598. **Hofbauer KG, Zschiedrich H, Rauh W, et al:** Con of angiotensin I into angiotensin II in the perfused rat kidney. Clin Sci 44:447-56,
*ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ IN VITRO/ KIDNEY, supply/ *KIDNEY, metabolism/ MALE/ OLIGOPEPTIDES, pharmacodynamics/ PERFUSION/ RATS/ RENIN/ VASCULA RESISTANCE, drug effects

1599. **Hofecker G:** Physiologische Grundlagen der La Wien Tieraerztl Monatsschr 60:138-42, Apr
ANIMAL EXPERIMENTS/ CATTLE/ EN

ABSTRACT/ FEMALE/ HYPOTHALAMUS, physiology/ *LACTATION/ PREGNANCY/ PREGNANCY, ANIMAL

. **Hoffbrand AV, Tripp E, Das KC:** Uptake of vitamin B 12 by phytohaemagglutinin-transformed lymphocytes. Br J Haematol 24:147-56, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADULT/ ANEMIA, MACROCYTIC, metabolism/ ANEMIA, PERNICIOUS, metabolism/ CHLORAMPHENICOL, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DNA, biosynthesis/ EDTA, pharmacodynamics/ FEMALE/ FOLIC ACID DEFICIENCY, metabolism/ HEMATOPOIESIS/ HUMAN/ LEUKOCYTES, metabolism/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ MALE/ MIDDLE AGE/ PLANT AGGLUTININS/ PUROMYCIN, pharmacodynamics/ RNA, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ *VITAMIN B 12, metabolism/ VITAMIN B 12 DEFICIENCY, metabolism

. **Hoffmann H, Raczyńska B:** Badania metabolizmu kortyzolu u owiec.
Endokrynol Pol 24:133-8, 1973 (Pol)
ANIMAL EXPERIMENTS/ CHLOROFORM/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ *HYDROCORTISONE, metabolism/ *SHEEP, metabolism/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

. **Hoffmann JC:** Light and reproduction in the rat: effects of early lighting on responses measured in adult females. Biol Reprod 8:473-80, May 73
ADRENAL GLANDS, growth & development/ ANIMAL EXPERIMENTS/ *BLINDNESS, complications/ BODY WEIGHT/ *ESTRUS, radiation effects/ FEMALE/ *LIGHTING/ ORGAN WEIGHT/ OVARY, growth & development/ PINEAL BODY, growth & development/ PITUITARY GLAND, growth & development/ RATS/ TIME FACTORS/ UTERUS, growth & development/ VAGINAL SMEARS

. **Hoffmann-Fezer G, Lade R:** Morphologie der postembryonalen Bursa Fabricii nach hormoneller Brusektomie.
Zentralbl Veterinaermed [A] 20:23-33, Jan 73 (Ger)
*ABNORMALITIES, DRUG-INDUCED, veterinary/ ANIMAL EXPERIMENTS/ *BURSA OF FABRICIUS, abnormalities/ BURSA OF FABRICIUS, anatomy & histology/ BURSA OF FABRICIUS, drug effects/ BURSA OF FABRICIUS, embryology/ BURSA OF FABRICIUS, growth & development/ CHICK EMBRYO/ CHICKENS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ PROPIONATES/ TESTOSTERONE, pharmacodynamics

. **Hofmann GG:** Endokrinologische und metabolische Befunde bei der Fettsucht.
Med Klin 67:1385-8, 27 Oct 72 (32 ref.) (Ger)
CARBON ISOTOPES/ FATTY ACIDS, blood/ FATTY ACIDS, metabolism/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, secretion/ INSULIN, blood/ INSULIN, pharmacodynamics/ INSULIN, secretion/ LEAD/ LIPASE, pharmacodynamics/ LIPID MOBILIZATION, drug effects/ LIPIDS, biosynthesis/ MALE/ *OBESITY/ OBESITY, blood/ OBESITY, classification/ OBESITY, enzymology/ OBESITY, metabolism/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ PREDIABETIC STATE/ RADIOISOTOPES/ REVIEW/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

. **Hokkanen E, Vapaatalo H, Anttila P:** On the possible role of cyclic AMP in the neuromuscular transmission and in the treatment of myasthenia gravis.
Acta Neurol Scand [Suppl] 51:375-6, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ HUMAN/ MUSCLE CONTRACTION, drug effects/ *MYASTHENIA GRAVIS, drug therapy/ *NEURAL TRANSMISSION/ NEURAL TRANSMISSION, drug effects/ PAPAVERINE, pharmacodynamics/ *PAPAVERINE, therapeutic use/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ THEOPHYLLINE, therapeutic use

1606. **Holden HE, Saunders S:** Cryosurgery: its scientific basis and clinical application.
Practitioner 210:543-50, Apr 73
*CRYOGENIC SURGERY/ EYE, surgery/ GYNECOLOGIC DISEASES, surgery/ HUMAN/ HYPOPHYSECTOMY/ METHODS/ NEOPLASMS, surgery/ NEUROSURGERY/ OTORHINOLARYNGOLOGIC DISEASES, surgery/ PROSTATECTOMY/ SKIN DISEASES, surgery/ TONSILLECTOMY

1607. **Holder FC:** Thioglycolate de sodium et hormones hypothalamo-neurohypophysaires.
Experientia 29:487-8, 15 Apr 73 (Fre)
ANIMAL EXPERIMENTS/ ARGININE/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ EELS/ FEMALE/ OXYTOCIN, antagonists & inhibitors/ *PITUITARY HORMONES, antagonists & inhibitors/ RATS/ RECEPTORS, HORMONE/ *THIOGLYCOLATES, pharmacodynamics/ *UTERUS, drug effects/ VASOTOCIN, antagonists & inhibitors

1608. **Hole H, Buchholz HM:** Untersuchungen über Mechanismen und Dynamik der Chromosomenaberration bei Tumoren. II. Karyotyp und PLoidie. Med Welt 23:1923-9, 16 Dec 72 (Ger)
ADULT/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 1-3/ FEMALE/ HUMAN/ KARYOTYPING/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, familial & genetic/ *PLEURAL NEOPLASMS, familial & genetic

1609. **Holick MF, DeLuca HF, Kasten PM, et al:** Isotachysterol-3 and 25-hydroxyisotachysterol-3: analogs of 1,25-dihydrox vitamin D3.
Science 180:964-6, 1 Jun 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ DIHYDROXYCHOLECALCIFEROLS, chem synthesis/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ NEPHRECTOMY/ RATS/ SECOSTEROIDS, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROLS, chem synthesis/ *STEROLS, pharmacodynamics

1610. **Holl-Allen RT:** The recurrent laryngeal nerve and thyroidectomy. Lancet 1:933, 28 Apr 73
HUMAN/ *LARYNGEAL NERVES/ POSTOPERATIVE COMPLICATIONS/ *THYROIDECTOMY/ VOCAL CORD PARALYSIS, prevention & control

1611. **Hollinshead MB, Schneider LC:** Identification of neonatal grey lethal mice. Anat Rec 176:273-8, Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARTILAGE/ COLOR/ HISTOLOGICAL TECHNICS/ INCISOR, growth & development/ MANDIBLE, growth & development/ METHODS/ MICE/ *MICE, classification/ MOLAR, growth & development/ *MUTATION/ *OSTEOPETROSIS, diagnosis/ TIBIA, anatomy & histology/ TOOTH GERM, growth & development

1612. **Holloway SM, Smith C:** Equilibrium frequencies in X-linked recessive disease.
Am J Hum Genet 25:388-96, Jul 73
ABORTION, INDUCED/ FEMALE/ GENETIC COUNSELING/ GENOTYPE/ HEREDITARY DISEASES, diagnosis/ HEREDITARY DISEASES, familial & genetic/ HEREDITARY

LIBRARY U. OF I., URBANA-CHAMPAIGN

DISEASES, mortality/ *HEREDITARY DISEASES, occurrence/ HEREDITARY DISEASES, prevention & control/ HUMAN/ MALE/ MATHEMATICS/ MUTATION/ PREGNANCY/ SEX CHROMOSOMES/ TIME FACTORS

1613. **Holmes JE, Egan K:** Electrical activity of the cat amygdala during sexual behavior.
Physiol Behav 10:863-7, May 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CATS/ CEREBRAL CORTEX, physiology/ COITUS/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HIPPOCAMPUS, physiology/ MALE/ ORGASM/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS

1614. **Holmes PV, Dickson AD:** Estrogen-induced surface coat and enzyme changes in the implanting mouse blastocyst. J Embryol Exp Morphol 29:639-45, Jun 73
ANIMAL EXPERIMENTS/ CELL AGGREGATION/ EMBRYO, cytology/ *EMBRYO, enzymology/ *ESTROGENS, physiology/ IRON/ MICE/ *NIDATION/ *OVUM, enzymology/ PREGNANCY/ STAINS AND STAINING/ *TYROSINE AMINOTRANSFERASE, analysis/ *TYROSINE AMINOTRANSFERASE, physiology

1615. **Holmes WN:** Regulation of electrolyte balance in marine birds with special reference to the role of the pituitary-adrenal axis in the duck (Anas platyrhynchos). Fed Proc 31:1587-98, Nov-Dec 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENAL CORTEX HORMONES, physiology/ AMMONIA, urine/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CALCIUM, urine/ CHLORIDES, urine/ CLOACA, physiology/ CORTICOTROPIN, physiology/ DNA, analysis/ *DUCKS, physiology/ HYPERTONIC SOLUTIONS/ KIDNEY, physiology/ NOSE, analysis/ NOSE, cytology/ NOSE, enzymology/ NOSE, metabolism/ *NOSE, physiology/ *PITUITARY-ADRENAL SYSTEM/ POTASSIUM, urine/ PROTEINS, analysis/ RESPIRATION/ RNA, analysis/ SODIUM, urine/ *WATER-ELECTROLYTE BALANCE

1616. **Holohan KN, Murphy RF, Buchanan KD, et al:** Enzymic iodination of polypeptide hormones for radioimmunoassay. Clin Chim Acta 45:153-7, 30 Apr 73
CHLORAMINES/ *GASTRIN/ *GLUCAGON/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROGEN PEROXIDE/ *INSULIN/ IODIDES/ *IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ PEPTIDES/ *PEROXIDASES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE

1617. **Holtzman E, Teichberg S, Abrahams SJ, et al:** Notes on synaptic vesicles and related structures, endoplasmic reticulum, lysosomes and peroxisomes in nervous tissue and the adrenal medulla.
J Histochem Cytochem 21:349-85, Apr 73 (221 ref.)
*ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, analysis/ CELL MEMBRANE/ CHICK EMBRYO/ CYTOPLASMIC GRANULES/ ENDOCYTOSIS/ *ENDOPLASMIC RETICULUM/ EXOCYTOSIS/ HISTOCYTOCHEMISTRY/ HYDROLASES, analysis/ *LYSOSOMES/ LYSOSOMES, enzymology/ MICROBODIES/ MICROSCOPY, ELECTRON/ NERVE ENDINGS/ *NEURONS, cytology/ *ORGANOIDS/ RATS/ REVIEW/ SYNAPTIC MEMBRANES/ *SYNAPTIC VESICLES

1618. **Holzbauer M, Bull G, Youdim MB, et al:** Subcellular distribution of steroids in the adrenal gland.
Nature [New Biol] 242:117-9, 28 Mar 73
*ADRENAL GLANDS, analysis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CELL FRACTIONATION/ CELL NUCLEUS, analysis/ *CHOLESTEROL, analysis/ DOGS/ *HYDROCORTISONE, analysis/ MICROSOMES, analysis/ MITOCHONDRIA, analysis/ MONOAMINE OXIDASE, analysis/ *PREGNENOLONE, analysis/ PROGESTERONE, analysis/ PROTEINS, analysis/ RABBITS/ SHEEP/ SUBCELLUL FRACTIONS, analysis/ SUBCELLULAR FRACTIONS, enzymology

1619. **Hölzl M, Dralle L:** Placentauntersuchungen b Risikoschwangerschaften.
Arch Gynaekol 213:256-70, 1973
AGE FACTORS/ BIRTH WEIGHT/ ENGL ABSTRACT/ ERYTHROBLASTOSIS, FETA pathology/ FEMALE/ FETAL DISEASES, pathology/ HUMAN/ LABOR, PREMATUR pathology/ NIDATION/ PLACENTA, abnormalities/ PLACENTA, blood supply/ *PLACENTA, pathology/ PLACENTA DISORDERS, pathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, patholo PREGNANCY IN DIABETES, pathology/ PREGNANCY, MULTIPLE/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, pathology/ UMBILICAL CORD, abnormali

1620. **Homsy CA:** Implant stabilization. Chemical biomechanical considerations.
Orthop Clin North Am 4:295-311, Apr 73
ALLOYS/ *BIOCOMPATIBLE MATERIAL *BIOMECHANICS/ BONE AND BONES/ *CERAMICS/ CHEMISTRY, PHYSICAL/ COBALT/ DENSITOMETRY/ DENTAL AMALGAM/ ELASTICITY/ *GLASS/ GO HUMAN/ *JOINT PROSTHESIS/ *METAL ORTHOPEDIC FIXATION DEVICES/ PLATINUM/ POLYETHYLENE TEREPHTHALATE/ POLYETHYLENES/ *POLYMERS/ POLYTETRAFLUOROETHYLENE/ SILIC ELASTOMERS/ STAINLESS STEEL/ SURFACE PROPERTIES/ TITANIUM

1621. **Hong SK:** Pattern of cold adaptation in women d Korea (ama). Fed Proc 32:1614-22, May
*ACCLIMATIZATION/ ADIPOSE TISSUE ARM, blood supply/ BASAL METABOLI BODY TEMPERATURE/ *COLD/ *DIVIN FEMALE/ FINGERS, blood supply/ HUM IODINE, metabolism/ KOREA/ NOREPINEPHRINE, pharmacodynamics/ OXYGEN CONSUMPTION/ REGIONAL FLOW/ SEASONS/ SKIN TEMPERATUR STRESS/ THYROID GLAND, metabolism

1622. **Hooper MJ, Carter JN, Stiel JN:** Idiopat hypoparathyroidism and idiopathic hypoadr occurring separately in two siblings.
Med J Aust 1:990-3, 19 May 73
ADOLESCENCE/ *ADRENAL GLAND HYPOFUNCTION, familial & genetic/ ADRENAL GLAND HYPOFUNCTION, immunology/ ADRENAL GLANDS, immunology/ ADULT/ AUTOANTIBODI CASE REPORT/ CHILD/ HUMAN/ *HYPOPARATHYROIDISM, familial & s MALE

1623. **Hopkinson C, Pant HC:** Heterologous radioimmunoassay of circulating ovine FSH i ewes. J Physiol (Lond) 231:52P-53P, Ma
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ES FEMALE/ *FSH, blood/ LH, blood/ METHODS/ OVULATION/ RADIOIMMUNOASSAY/ *SHEEP, physi TIME FACTORS

1624. **Horn G, Rose SP, Bateson PP:** Monocular im and regional incorporation of tritiated uracil brains of intact and "split-brain" chick
Brain Res 56:227-37, 29 Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, metabolism/ CHI *HYPOTHALAMUS, physiology/ *IMPRI (PSYCHOLOGY)/ *LATERALITY/ NER TISSUE PROTEINS, metabolism/ RNA, metabolism/ TRITIUM/ *URACIL, meta

1625. **Horne CH, McLay AL, Tavadia HB, et al:** St pregnancy-associated globulin.
Clin Exp Immunol 13:603-11, Apr 73
ADOLESCENCE/ ADULT/ AGED/ *AL

GLOBULIN/ CELL MIGRATION INHIBITION/ CONTRACEPTIVES, ORAL/ DIETHYLSTILBESTROL, therapeutic use/ ESTROGENS/ FEMALE/ HUMAN/ IMMUNOSUPPRESSION/ LIVER CIRRHOSIS, OBSTRUCTIVE, blood/ LYMPHOCYTE TRANSFORMATION/ *MACROGLOBULINS/ MALE/ MIDDLE AGE/ NEOPLASMS, blood/ *PREGNANCY/ PROGESTATIONAL HORMONES/ PROSTATIC NEOPLASMS, blood/ PROSTATIC NEOPLASMS, drug therapy

1626. **Hornig D, Weber F, Wiss O:** Site of intestinal absorption of ascorbic acid in guinea pigs and rats.
Biochem Biophys Res Commun 52:168-72, 1 May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, administration & dosage/ *ASCORBIC ACID, metabolism/ BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ DUODENUM, metabolism/ GUINEA PIGS/ HYPOPHYSECTOMY/ *INTESTINAL ABSORPTION/ *INTESTINE, SMALL, metabolism/ KINETICS/ PITUITARY GLAND, physiology/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS

1627. **Hornstra G, Vendelmans-Starrenburg A:** Induction of experimental arterial occlusive thrombi in rats.
Atherosclerosis 17:369-82, May-Jun 73
ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL, injuries/ AORTA, ABDOMINAL, pathology/ AORTA, ABDOMINAL, surgery/ BLOOD CELL COUNT/ BODY TEMPERATURE/ DISEASE MODELS, ANIMAL/ ERYTHROCYTE AGGREGATION, INTRAVASCULAR/ FIBRIN, physiology/ FIBRINOLYTIC AGENTS, pharmacodynamics/ HELIANTHUS/ MALE/ METHODS/ MICROSCOPY, ELECTRON, SCANNING/ OILS, pharmacodynamics/ PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SEEDS/ *THROMBOSIS, etiology/ THROMBOSIS, pathology/ TIME FACTORS

1628. **Hornum I, Transbol I:** Partial escape of magnesium from the renal action of parathyroid hormone in hyperparathyroidism.
Acta Med Scand 193:325-30, Apr 73
CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ CREATININE, metabolism/ HUMAN/ HYPERCALCEMIA, metabolism/ *HYPERPARATHYROIDISM, metabolism/ *KIDNEY, metabolism/ KIDNEY FUNCTION TESTS/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ *PARATHYROID HORMONE, metabolism/ SODIUM, urine

1629. **Horst HJ, Grunert E, Stoye M:** Harnöstrogenbestimmungen beim Hund während der Brunst und Trächtigkeit.
Zentralbl Veterinaermed [A] 20:77-83, Jan 73 (Ger)
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ *ESTRUS/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL

1630. **Horth CE, Palmer RF:** Measurement of progesterone in human plasma.
Clin Endocrinol (Oxf) 1:199-207, Apr 72
ADULT/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ METHODS/ PETROLEUM/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRITIUM

1631. **Hörtnagl H, Hörtnagl H, Propst A, et al:** Catecholamine storage in liver metastases of a malignant carotid body tumour. A biochemical and morphological study.
Virchows Arch [Zellpathol] 12:330-7, 30 Mar 73
ADRENAL MEDULLA, metabolism/ CAROTID BODY TUMOR, enzymology/ *CAROTID BODY TUMOR, metabolism/ CAROTID BODY TUMOR, pathology/ *CATECHOLAMINES, metabolism/ CHROMOGRANINS, metabolism/ COMPLEMENT FIXATION TESTS/ CYTOPLASMIC GRANULES/ DOPAMINE BETA HYDROXYLASE, metabolism/ FEMALE/ HUMAN/ LIVER NEOPLASMS, enzymology/ *LIVER NEOPLASMS, metabolism/ LIVER NEOPLASMS, pathology/ MEMBRANES/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEOPLASM METASTASIS/ NOREPINEPHRINE, metabolism

1632. **Horton EW, Jones RL, Marr CG:** Effects of aspirin on prostaglandin and fructose levels in human semen.
J Reprod Fertil 33:385-92, Jun 73
ADULT/ ASPIRIN, administration & dosage/ *ASPIRIN, pharmacodynamics/ ASPIRIN, toxicity/ DEAFNESS, chemically induced/ FACTOR ANALYSIS, STATISTICAL/ *FRUCTOSE, analysis/ HUMAN/ MALE/ NAUSEA, chemically induced/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ *SEMEN, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TINNITUS, chemically induced/ TRITIUM

1633. **Horwitz CA, Jerome E, Diamond R, et al:** Evaluation of a latex tube agglutination-inhibition pregnancy test. An analysis of 1,776 specimens.
Am J Obstet Gynecol 116:626-32, 1 Jul 73
ADULT/ AGGLUTINATION TESTS/ ANTIBODIES/ CHROMATOGRAPHY, THIN LAYER/ DRUG ADDICTION, urine/ EVALUATION STUDIES/ FALSE NEGATIVE REACTIONS/ FEMALE/ FLOCCULATION/ GONADOTROPINS, CHORIONIC, urine/ *HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOASSAY/ *LATEX FIXATION TESTS/ LATEX FIXATION TESTS, standards/ MALE/ MENOPAUSE/ METHADONE, urine/ METHODS/ MIDDLE AGE/ PREGNANCY/ *PREGNANCY TESTS/ PROTEINURIA, urine/ TEMPERATURE/ TIME FACTORS

1634. **Horwitz D, Alexander RW, Lovenberg W, et al:** Human serum dopamine- -hydroxylase. Relationship to hypertension and sympathetic activity.
Circ Res 32:594-9, May 73
ADRENAL GLAND NEOPLASMS, enzymology/ ADULT/ AMPHETAMINE/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ *DOPAMINE BETA HYDROXYLASE, blood/ DOPAMINE BETA HYDROXYLASE, metabolism/ EXERTION/ FEMALE/ FOREARM, blood supply/ GUANETHIDINE, therapeutic use/ HEART RATE/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERTENSION, drug therapy/ *HYPERTENSION, enzymology/ HYPERTENSION, physiopathology/ HYPOTENSION, ORTHOSTATIC, enzymology/ MALE/ METARAMINOL, urine/ METHYLDOPA, therapeutic use/ MIDDLE AGE/ PHENOLS/ PHEOCHROMOCYTOMA, enzymology/ REST/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ VASCULAR RESISTANCE

1635. **Hostmark AT, Horn RS:** Stimulation of sensitivity of the glycogen phosphorylase-converting system in skeletal muscle by metabolic inhibitors.
Biochim Biophys Acta 304:389-96, 28 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ APOPROTEINS, metabolism/ DIAPHRAGM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ FLUOROACETATES, pharmacodynamics/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ IODOACETATES, pharmacodynamics/ MALE/ MUSCLES, drug effects/ *MUSCLES, enzymology/ PYRUVATES, pharmacodynamics/ RATS

1636. **Hostýn L, Hostýnová D:** K dôkazu kalcia v histologických rezoch.
Cesk Patol 9:105-8, May 73 (Slo)
CALCINOSIS, pathology/ *CALCIUM, analysis/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ HUMAN/

LIBRARY U. OF I. URBANA-CHAMPAIGN

HYPERPARATHYROIDISM, SECONDARY, pathology/ *STAINS AND STAINING

1637. **Houdek J, Pelák Z, Cervenka J:** Naše zkušenosti s Minitrolem. Cesk Gynekol 38:236-7, May 73 **(Cze)**
ACNE, chemically induced/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HAIR, drug effects/ HUMAN/ MEGESTROL, adverse effects/ *MEGESTROL, pharmacodynamics/ OVULATION, drug effects

1638. **Hourdry J:** Incidences du traitement au perchlorate de potassium sur l'évolution de l'intestin, chez la larve de Discoglossus pictus Otth.
Gen Comp Endocrinol 20:443-5, Jun 73 **(Fre)**
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *FROGS, embryology/ *INTESTINES, drug effects/ INTESTINES, embryology/ LARVA/ LYSOSOMES, enzymology/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ *PERCHLORIC ACIDS, pharmacodynamics/ POTASSIUM, pharmacodynamics/ *THYROID ANTAGONISTS, pharmacodynamics

1639. **Howarth B Jr, Marks HL:** Thyroidal 131 I uptake of Japanese quail in response to three different dietary goitrogens. Poult Sci 52:326-31, Jan 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT, drug effects/ *GUANIDINES, pharmacodynamics/ *IODINE, metabolism/ IODINE ISOTOPES/ ORGAN WEIGHT/ *QUAIL, metabolism/ SULFAGUANIDINE, pharmacodynamics/ *SULFONES, pharmacodynamics/ *THIOCYANATES, pharmacodynamics/ *THIOURACIL, pharmacodynamics/ THYROID GLAND, cytology/ *THYROID GLAND, metabolism

1640. **Howe GR, Black DL:** Autonomic nervous system and oviduct function in the rabbit. I. Hormones and contraction. J Reprod Fertil 33:425-30, Jun 73
ANIMAL EXPERIMENTS/ *AUTONOMIC NERVOUS SYSTEM, physiology/ CASTRATION/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ *FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, innervation/ FEMALE/ *HORMONES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *MUSCLE, SMOOTH, drug effects/ PERFUSION/ PROGESTERONE, pharmacodynamics/ RABBITS

1641. **Howell RR:** Prenatal diagnosis in the prevention of handicapping disorders.
Pediatr Clin North Am 20:141-9, Feb 73 (24 ref.)
ABORTION, THERAPEUTIC/ AMINO ACIDS, analysis/ AMNIOCENTESIS/ AMNIOTIC FLUID, analysis/ CELLS, CULTURED/ *CHROMOSOME ABNORMALITIES, diagnosis/ CYTOGENETICS/ FEMALE/ FIBROBLASTS, enzymology/ GESTATIONAL AGE/ HUMAN/ KARYOTYPING/ MATERNAL AGE/ *METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, familial & genetic/ MONGOLISM, prevention & control/ MUCOPOLYSACCHARIDES, analysis/ PREGNANCY/ *PRENATAL DIAGNOSIS/ REVIEW/ SEX CHROMATIN, analysis/ STEROIDS, analysis/ UNITED STATES

1642. **Howie PW, Calder AA, Forbes CD, et al:** Effect of intravenous prostaglandin E 2 on platelet function, coagulation, and fibrinolysis.
J Clin Pathol 26:355-8, May 73
ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ ANTITHROMBIN/ *BLOOD COAGULATION, drug effects/ BLOOD COAGULATION TESTS/ *BLOOD PLATELETS, drug effects/ COLLAGEN/ FEMALE/ *FIBRINOLYSIS, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ PLATELET ADHESIVENESS, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ SERUM GLOBULINS/ THROMBOPLASTIN/ THROMBOSIS, prevention & control

1643. **Howie PW, Prentice CR:** Antithrombin 3 and oestrog content of oral contraceptives.
Lancet 1:1455, 23 Jun 73
*ANTITHROMBIN/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, CHEMICAL/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ PLASMA, analysis

1644. **Hrdina PD, Singhal RL, Peters DA, et al:** So neurochemical alterations during acute DDT poisoning. Toxicol Appl Pharmacol 25:276-88, Jun
ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN CHEMISTRY, drug effects/ BRAIN STEM, metabolism/ CYCLOHEXIMID pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DDT, administration & dosage/ DDT, pharmacodynamics/ *DDT, poisoning/ DOPAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE biosynthesis/ NOREPINEPHRINE, metabolism PARGYLINE, pharmacodynamics/ PROTEINS antagonists & inhibitors/ RATS/ RNA, antagonists & inhibitors/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, biosynthesis/ SEROTONIN, metabolism

1645. **Hrisoho D, Zafirovska K:** Dystalen urosyndro uspoven so izmeneti genito-uro soodnosi.
God Zb Med Fak Skopje 18:317-22, 1972 (
ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ GYNECOLOGIC DISEASES, complications/ HUMAN/ HYPOGONADISM, complications/ MENOPAUSE/ SYNDROME/ *UROLOGIC DISEASES, etiology

1646. **Hrycay EC, O'Brein PJ, Van Lier JE, et al:** Pregnen -hydroperoxides as possible precursors of t adrenosteroid hormones.
Arch Biochem Biophys 153:495-501, Dec 72
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology ADRENAL GLANDS, metabolism/ ANDROSTENEDIONE, biosynthesis/ ANIMA EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ FLUOROMETRY/ HYDROXYLATION/ HYDROXYPROGESTERONE, biosynthesis/ MASS SPECTRUM ANALYSIS/ MICROSOM metabolism/ MICROSOMES, LIVER, metabolism/ PEROXIDES, metabolism/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET

1647. **Hrycay EC, O'Brien PJ:** Cytochrome P-450 microsomal peroxidase in steroid hydroperc reduction. Arch Biochem Biophys 153:480-94, D
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ CATTLE/ *CYTOCHROME P-450, metaboli HYDROGEN-ION CONCENTRATION/ HYDROXYLATION/ HYDROXYPROGESTERONE/ KINETICS/ LIGANDS/ METHYLCHOLANTHRENE, pharmacodynamics/ *MICROSOMES, enzymology/ *MICROSOMES, LIVER, enzymology/ OXIDATION-REDUCTION/ PEROXIDASES, antagonists & inhibitors/ *PEROXIDASES, metabolism/ PEROXIDES PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE/ PROGESTERONE/ RAT SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROIDS

1648. **Hrycay EG, O'Brien PJ:** Microsomal electron tran I. Reduced nicotinamide adenine dinucleot phosphate-cytochrome c reductase and cytoch

P-450 as electron carriers in microsomal NADPH-peroxidase activity.
Arch Biochem Biophys 157:7-22, Jul 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CYANIDES, pharmacodynamics/ CYTOCHROME C/ *CYTOCHROME P-450, metabolism/ CYTOCHROME REDUCTASES, metabolism/ ELECTRON TRANSPORT/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ KINETICS/ MALE/ MICROSOMES, drug effects/ *MICROSOMES, enzymology/ *MICROSOMES, LIVER, enzymology/ NAD/ NADP/ ORGAN SPECIFICITY/ OSMOLAR CONCENTRATION/ *OXIDOREDUCTASES, metabolism/ PEROXIDASES, antagonists & inhibitors/ *PEROXIDASES, metabolism/ PEROXIDES, metabolism/ PHENOBARBITAL, pharmacodynamics/ RABBITS, immunology/ RATS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROIDS, metabolism/ STEROIDS, pharmacodynamics/ TRYPSIN, pharmacodynamics

Hsieh YH, Yang CF, Chen KP, et al: Studies of the effect of the salt iodization on endemic goiter in Taiwan. 3. Urinary iodine excretion of school children.
J Formosan Med Assoc 72:218-23, Apr 73
ADOLESCENCE/ CHILD/ CREATININE, urine/ DIET/ FEMALE/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ *IODINE, therapeutic use/ IODINE, urine/ SODIUM CHLORIDE/ TAIWAN

Hsiung N, Cantor CR: Reaction of celite-bound fluorescein isothiocyanate with the 50S E. coli ribosomal subunit.
Arch Biochem Biophys 157:125-32, Jul 73
AMINO ACID ACTIVATION/ BACTERIAL PROTEINS, analysis/ BACTERIAL PROTEINS, biosynthesis/ BINDING SITES/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESCHERICHIA COLI, cytology/ *FLUORESCEINS/ FLUORESCEINS, pharmacodynamics/ GEL FILTRATION/ LITHIUM/ MOLECULAR CONFORMATION/ PROTEIN BINDING/ PROTEIN CONFORMATION/ *RIBOSOMES/ RIBOSOMES, drug effects/ RIBOSOMES, enzymology/ RIBOSOMES, metabolism/ *SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THIOCYANATES/ THIOCYANATES, pharmacodynamics

Hsu FS, Krook L, Shively JN, et al: Lead inclusion bodies in osteoclasts. Science 181:447-8, 3 Aug 73
ANIMAL EXPERIMENTS/ BONE AND BONES, pathology/ *CELLULAR INCLUSIONS/ LEAD POISONING, metabolism/ *LEAD POISONING, pathology/ MICROSCOPY, ELECTRON/ *OSTEOCLASTS/ OSTEOCLASTS, metabolism/ SWINE

Hsu LY, Dubin EC, Kerenyi T, et al: Results and pitfalls in prenatal cytogenetic diagnosis.
J Med Genet 10:112-9, Jun 73
ABNORMALITIES, DRUG-INDUCED, diagnosis/ ABNORMALITIES, MULTIPLE, diagnosis/ ABORTION, THERAPEUTIC/ ADULT/ AMNIOCENTESIS/ *AMNIOTIC FLUID, cytology/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ CYTOGENETICS/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ GENETIC COUNSELING/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis/ KARYOTYPING/ MATERNAL AGE/ MONGOLISM, diagnosis/ MOSAICISM/ PREGNANCY/ PRENATAL DIAGNOSIS/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX DETERMINATION/ TRISOMY

Hsu SY, Huang CL, Waters IW: Synthesis of some N-substituted eleostearic acid hydrazides as potential monoamine oxidase inhibitors.
J Med Chem 16:450-2, May 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, enzymology/ BRAIN CHEMISTRY, drug effects/ CHEMISTRY/ COMPARATIVE STUDY/ DOPAMINE, analysis/ *FATTY ACIDS, UNSATURATED, chem synthesis/ FATTY ACIDS, UNSATURATED, isolation & purification/ FATTY ACIDS, UNSATURATED, pharmacodynamics/ *HYDRAZINES, chem synthesis/ HYDRAZINES, pharmacodynamics/ IN VITRO/ IPRONIAZID, pharmacodynamics/ MICE/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE INHIBITORS, chem synthesis/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, analysis/ PHENELZINE, pharmacodynamics/ PHENIPRAZINE, pharmacodynamics/ SEROTONIN, analysis

1654. **Huang CL, Schulz AR:** The effect of inhibitors of thyroid monoamine oxidase on the incorporation of iodine into thyroid slice protein.
Life Sci [II] 11:975-82, 22 Oct 72
ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ CHELATING AGENTS, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ IMIPRAMINE, pharmacodynamics/ *IODIDES, metabolism/ IODINE ISOTOPES/ *IODOPROTEINS, biosynthesis/ ISOCARBOXAZID, pharmacodynamics/ ISONIAZID, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ *MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PHENETHYLAMINES, pharmacodynamics/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ TRANYLCYPROMINE, pharmacodynamics/ TYRAMINE, pharmacodynamics

1655. **Hubbard JE, Di Carlo V:** Fluorescence histochemistry of monoamine-containing cell bodies in the brain stem of the squirrel monkey (Saimiri sciureus). I. The locus caeruleus. J Comp Neurol 147:553-66, 15 Feb 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ BRAIN STEM, analysis/ BRAIN STEM, cytology/ CATECHOLAMINES, analysis/ *CEREBRAL VENTRICLES, cytology/ FEMALE/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ IPRONIAZID, pharmacodynamics/ MALE/ MESENCEPHALON, analysis/ MESENCEPHALON, cytology/ *MONKEYS, anatomy & histology/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NEURAL INTERCONNECTIONS, analysis/ NEURAL INTERCONNECTIONS, cytology/ RESERPINE, pharmacodynamics/ SEROTONIN, analysis

1656. **Hubbard JI, Quastel DM:** Micropharmacology of vertebrate neuromuscular transmission.
Annu Rev Pharmacol 13:199-216, 1973 (191 ref.)
ACETYLCHOLINE, biosynthesis/ ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, physiology/ ACETYLTRANSFERASES, physiology/ ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, physiology/ CHOLINE/ CHOLINE, metabolism/ CURARE-LIKE AGENTS, metabolism/ HORMONES, physiology/ IN VITRO/ MEMBRANE POTENTIALS/ MITOCHONDRIA, physiology/ NERVE ENDINGS, metabolism/ *NEURAL TRANSMISSION, drug effects/ *NEUROMUSCULAR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, enzymology/ NEUROMUSCULAR JUNCTION, physiology/ RECEPTORS, ADRENERGIC/ REVIEW/ SYNAPTIC VESICLES, physiology

1657. **Hubbert WT, Bryner JH, Fernelius AL, et al:** Viral infection of the bovine fetus and its environment.
Arch Gesamte Virusforsch 41:86-98, 1973
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ CATTLE/ *CATTLE DISEASES, microbiology/ CELLS, CULTURED/ DNA VIRUSES, immunology/ FEMALE/ FETAL DISEASES, immunology/ FETAL

LIBRARY U. OF I., URBANA-CHAMPAIGN

DISEASES, microbiology/ *FETAL DISEASES, veterinary/ GESTATIONAL AGE/ KIDNEY/ MALE/ NEUTRALIZATION TESTS/ PLACENTA DISORDERS/ PREGNANCY/ RNA VIRUSES, immunology/ VIRUS DISEASES, immunology/ VIRUS DISEASES, microbiology/ *VIRUS DISEASES, veterinary

1658. **Huber A:** Roentgen diagnosis vs visual field. Arch Ophthalmol 90:1-12, Jul 73
ADENOMA, radiography/ ANEURYSM, radiography/ ANGIOGRAPHY/ ARTERIAL OCCLUSIVE DISEASES, radiography/ CEREBRAL ANEURYSM, radiography/ CEREBROVASCULAR DISORDERS, radiography/ CRANIOPHARYNGIOMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ GLIOMA, radiography/ HEAD INJURIES, radiography/ HEMANGIOMA, radiography/ HEMIANOPSIA, etiology/ *HEMIANOPSIA, radiography/ HUMAN/ MENINGIOMA, radiography/ NEURILEMMOMA, radiography/ OPHTHALMIC ARTERY, radiography/ OPTIC CHIASM, radiography/ OPTIC NERVE/ OPTIC NERVE, radiography/ ORBIT, radiography/ ORBITAL NEOPLASMS, radiography/ PERIPHERAL NERVE NEOPLASMS, radiography/ *VISUAL FIELDS

1659. **Huberman JA, Tsai A:** Direction of DNA replication in mammalian cells. J Mol Biol 75:5-12, 25 Mar 73
AUTORADIOGRAPHY/ CELLS, CULTURED/ *DNA REPLICATION/ FLUORODEOXYURIDINE/ HAMSTERS/ NUCLEIC ACID CONFORMATION/ OVARY/ THYMIDINE, metabolism/ TRITIUM

1660. **Hucklebridge FH, Nowell NW, Dilks RA:** Plasma catecholamine response to fighting in the male albino mouse. Behav Biol 8:785-800, Jun 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENAL MEDULLA, physiology/ *AGGRESSION/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *EPINEPHRINE, blood/ EPINEPHRINE, secretion/ HOUSING, ANIMAL/ MALE/ MICE, physiology/ *NOREPINEPHRINE, blood/ ORGAN WEIGHT/ SOCIAL ISOLATION/ SPLEEN, anatomy & histology/ STRESS, PSYCHOLOGICAL

1661. **Hüfner M, Hesch RD:** A comparison of different compounds for TBG-blocking used in radioimmunoassay for tri-iodothyronine. Clin Chim Acta 44:101-7, 28 Feb 73
ANILINE COMPOUNDS, pharmacodynamics/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ BLOOD PROTEINS, metabolism/ BUFFERS/ CHARCOAL/ COMPARATIVE STUDY/ CROSS REACTIONS/ DIPHENYLHYDANTOIN, pharmacodynamics/ HUMAN/ IODINE ISOTOPES/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SALICYLATES, blood/ SALICYLATES, pharmacodynamics/ SERUM ALBUMIN/ *THYROXINE-BINDING PROTEIN, antagonists & inhibitors/ *TRIIODOTHYRONINE, blood

1662. **Hughes BO, Wood-Gush DG:** An increase in activity of domestic fowls produced by nutritional deficiency. Anim Behav 21:10-7, Feb 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ APPETITE, drug effects/ *CALCIUM, DIETARY/ *CHICKENS/ EXPLORATORY BEHAVIOR/ FEEDING BEHAVIOR, drug effects/ HOUSING, ANIMAL/ *MOTOR ACTIVITY/ *NUTRITION DISORDERS/ PARATHYROID HORMONE, pharmacodynamics/ *SODIUM

1663. **Hughes WT, Smith DR:** Infection during induction of remission in acute lymphocytic leukemia. Cancer 31:1008-14, Apr 73
ADOLESCENCE/ BACTERIAL INFECTIONS, complications/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFANT/ *INFECTION, complications/ LEUKEMIA, LYMPHOBLASTIC, complications/ *LEUKEMIA, LYMPHOBLASTIC, drug therap LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, LYMPHOBLASTIC, mortality/ LEUKOCYTE COUNT/ MALE/ *METHOTREXATE, therapeutic use/ MYCOSES, complications/ NEUTROPHILS/ *PREDNISONE, therapeutic use/ REMISSION *VINCRISTINE, therapeutic use/ VIRUS DISEASES, complications

1664. **Huibregtse WH, Ungar F, Farner DS:** Adrena steroidogenesis in the white-crowned sparrow (Zonotrichia leucophrys). Comp Biochem Physiol [B] 44:1051-6, 15 Apr
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIRDS, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, isolation & purification/ CRYSTALLIZATION/ 17-HYDROXYCORTICOSTEROIDS, biosynthes PROGESTERONE, metabolism

1665. **Huizinga HW:** Ribeiroia marini: pathogenesis and la trematode antagonism in the snail, biomphal glabrata. Exp Parasitol 33:350-64, Apr 73
ANIMAL EXPERIMENTS/ ANTIBIOSIS/ DIGESTIVE SYSTEM, cytology/ GONADS, cytology/ LARVA, growth & development/ PARASITE EGG COUNT/ PEST CONTROL, BIOLOGICAL/ PUERTO RICO/ *SCHISTOSOMA MANSONI, growth & development/ *SNAILS/ SNAILS, cytology/ SNAILS, growth & development/ *TREMATODA, growth & development

1666. **Hulbert SF, Cooke FW, Klawitter JJ, et al:** Attachr of prostheses to the musculoskeletal system by th ingrowth and mechanical interlocking. J Biomed Mater Res 7:1-23, 1973
ANIMAL EXPERIMENTS/ BIOCOMPATIBL MATERIALS/ BIOPHYSICS/ BONE AND BONES, metabolism/ BONE AND BONES, surgery/ *BONE REGENERATION/ CERAMICS/ FEMUR, growth & developme FOREIGN BODY REACTION/ KINETICS/ METALS/ MINERALS, metabolism/ MOVEMENT/ POLYMERS/ *PROSTHESIS

1667. **Hulme B, Cohen SL:** Chalk-eating as a caus hypercalcaemia in a patient on haemodialy Lancet 1:1513-4, 30 Jun 73
ADULT/ CALCIUM CARBONATE, administration & dosage/ *CALCIUM CARBONATE, adverse effects/ CALCIUM CARBONATE, blood/ FEMALE/ GLOMERULONEPHRITIS, blood/ GLOMERULONEPHRITIS, chemically induc *HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCE chemically induced

1668. **Hulstaert CE, Torringa JL, Koudstaal J, et al** characteristic distribution of alkaline phosphat the full-term human placenta. An electron cytochemical study. Gynecol Invest 4:23-30,
ADULT/ *ALKALINE PHOSPHATASE, analysis/ BUFFERS/ FEMALE/ GESTATIO AGE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MICROSCOPY, ELECTRON/ PLACENTA, cytology/ *PLACENTA, enzymology/ PREGNANCY/ *TROPHOBLAST, enzymolo

1669. **Humbert G, Fillastre JP, Leroy J, et al:** Le traite des hypercalcémies aiguës par le furosém Rev Rhum Mal Osteoartic 40:137-8, Feb 73
ADENOMA, complications/ ADULT/ AGE BREAST NEOPLASMS, complications/ FEMALE/ *FUROSEMIDE, therapeutic us HUMAN/ *HYPERCALCEMIA, drug thera HYPERCALCEMIA, etiology/ LYMPHOSARCOMA, complications/ MALE MIDDLE AGE/ MULTIPLE MYELOMA, complications/ PARATHYROID NEOPLAS complications

1670. **Humbert G, Fillastre JP, Leroy J:** Traitement m des hypercalcémies aiguës.

Sem Hop Paris 49:11-21, Jan 73 (Fre)
ACUTE DISEASE/ CALCIUM, metabolism/ HUMAN/ *HYPERCALCEMIA, drug therapy/ PALLIATIVE TREATMENT

1. **Humke W:** Fahrtüchtigkeit und Ovulationnshemmer. Dtsch Med Wochenschr 98:1191, 8 Jun 73 (Ger)
ATTENTION, drug effects/ *AUTOMOBILE DRIVING/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ PHYSICAL FITNESS

2. **Humphreys PN:** A case of Azoospermia in the dog. Vet Rec 92:272, 10 Mar 73
ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOGS/ MALE/ SEASONS/ *STERILITY, MALE, veterinary/ TESTICULAR DISEASES, veterinary

3. **Hunshi SR, Purandare TV, Ratnavally T, et al:** Antifertility activity of an indigenous plant preparation (ROC-101). II. Effect on the male reproductive system.
Indian J Med Res 60:1213-9, Aug 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *FERTILITY, drug effects/ *GENITALIA, MALE, anatomy & histology/ GONADOTROPINS, PITUITARY, analysis/ *HERBS/ MALE/ MICE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PROSTATE, anatomy & histology/ RATS/ *SPERMATOGENESIS/ TESTIS, anatomy & histology

4. **Hunter JA, Davison AM:** Toxic epidermal necrolysis associated with pentazocine therapy and severe reversible renal failure.
Br J Dermatol 88:287-90, Mar 73
ACETAMINOPHEN/ BLOOD CELLS, analysis/ BLOOD PRESSURE/ CHLORPHENIRAMINE/ CLOXACILLIN, therapeutic use/ *EPIDERMAL NECROLYSIS, TOXIC, chemically induced/ HUMAN/ HYDROCORTISONE, therapeutic use/ *KIDNEY FAILURE, ACUTE, chemically induced/ MALE/ MIDDLE AGE/ *PENTAZOCINE, adverse effects/ PREDNISOLONE, therapeutic use/ PROPOXYPHENE/ SHOCK, chemically induced/ SPONDYLITIS, drug therapy/ STAPHYLOCOCCUS, isolation & purification/ UREMIA, chemically induced/ URINARY CATHETERIZATION

Hurd RN, Shah DH: Total synthesis of the macrolide, (R,S)-zearalanone. J Med Chem 16:543-5, May 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ DECARBOXYLATION/ *ESTROGENS, chem synthesis/ ESTROGENS, pharmacodynamics/ FEMALE/ *LACTONES, chem synthesis/ LACTONES, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ *RESORCINOL, chem synthesis/ RESORCINOL, pharmacodynamics/ UTERUS, drug effects

Hurley LS, Mutch PB: Prenatal and postnatal development after transitory gestational zinc deficiency in rats. J Nutr 103:649-56, May 73
ABNORMALITIES, etiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BIRTH WEIGHT/ BODY WEIGHT/ DEFICIENCY DISEASES/ DEFICIENCY DISEASES, complications/ DEFICIENCY DISEASES, metabolism/ DEFICIENCY DISEASES, mortality/ FEMALE/ FETAL DEATH, etiology/ FETUS, metabolism/ GESTATIONAL AGE/ LACTATION/ MATERNAL-FETAL EXCHANGE/ MILK, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS/ REPRODUCTION/ *ZINC/ ZINC, blood/ ZINC, metabolism

Hurwitz S, Bar A, Cohen I: Regulation of calcium absorption by fowl intestine.
Am J Physiol 225:150-4, Jul 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ CALCIUM ISOTOPES/ CHICKENS/ DUODENUM, metabolism/ FEMALE/ ILEUM, metabolism/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ REACTION TIME/ TIBIA, metabolism/ YTTRIUM ISOTOPES

1678. **Husberg BS:** In vitro studies of the cell-bound and antibody-mediated immunity evoked by murine renal allotransplants. Influence of presensitization, total body irradiation and immunosuppressive agents.
Clin Exp Immunol 14:271-92, Jun 73
ACTINOMYCIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, pharmacodynamics/ CELLS, CULTURED/ CITROVORUM FACTOR, pharmacodynamics/ DISEASE MODELS, ANIMAL/ FEMALE/ *HEAT/ *IMMUNITY, CELLULAR/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, radiation effects/ *KIDNEY, transplantation/ MALE/ METHOTREXATE, pharmacodynamics/ METHYLPREDNISOLONE, pharmacodynamics/ *RADIATION EFFECTS/ RATS/ THORACIC DUCT, immunology/ TRANSPLANTATION IMMUNOLOGY, radiation effects

1679. **Hussar DA:** New drugs of 1972.
Am J Pharm 145:5-16, Jan 73
ACETALS, therapeutic use/ ANTHELMINTICS, therapeutic use/ ANTI-INFECTIVE AGENTS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ ANXIETY, drug therapy/ BENZAZEPINES, therapeutic use/ CARBOXYLIC ACIDS, therapeutic use/ CLINDAMYCIN, therapeutic use/ *DRUG THERAPY/ FLUCYTOSINE, therapeutic use/ FLUOROMETHOLONE, therapeutic use/ FLUPHENAZINE, therapeutic use/ HALOPROGIN, therapeutic use/ HUMAN/ HYPNOTICS AND SEDATIVES, therapeutic use/ KETOSTEROIDS, therapeutic use/ MEGESTROL, therapeutic use/ PANCURONIUM, therapeutic use/ PHOSPHORIC ACIDS, therapeutic use/ PREDNISOLONE, TOPICAL, therapeutic use/ PYRIMIDINES, therapeutic use/ REVIEW/ THIOPHENES, therapeutic use/ TRANQUILIZING AGENTS, therapeutic use/ VINYL COMPOUNDS, therapeutic use

1680. **Husslein H:** Fluoreszenzmikroskopischer Nachweis des menschlichen X-Chromosoms in Interphasezelkernen.
Hippokrates 44:87-8, Mar 73 (Ger)
CELL NUCLEUS/ FEMALE/ HUMAN/ MALE/ *MICROSCOPY, FLUORESCENCE/ MITOSIS/ *SEX CHROMOSOMES

1681. **Huston JP, Borbély AA:** Operant conditioning in forebrain ablated rats by use of rewarding hypothalamic stimulation.
Brain Res 50:467-72, 28 Feb 73
ANIMAL EXPERIMENTS/ *CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ RATS/ RATS, INBRED STRAINS/ *REWARD/ SELF STIMULATION/ *TELENCEPHALON, physiology

1682. **Huston JP, Bureš J:** Effects of cortical spreading depression on behaviors elicited by hypothalamic stimulation in rats.
Physiol Behav 10:775-80, Apr 73
ANIMAL EXPERIMENTS/ AROUSAL/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ DOMINANCE, CEREBRAL/ *DRINKING/ *EATING/ ELECTRIC STIMULATION/ FRONTAL LOBE, physiology/ *HYPOTHALAMUS, physiology/ MALE/ MOTIVATION/ NEURAL INTERCONNECTIONS, physiology/ OCCIPITAL LOBE, physiology/ POTASSIUM CHLORIDE, pharmacodynamics/ RATS/ REACTION TIME/ *SPREADING CORTICAL DEPRESSION/ STEREOTAXIC TECHNICS

1683. **Hüter J:** Empfehlungen zur allgemeinen Arzneimittelbehandlung während der

LIBRARY U. OF I., URBANA-CHAMPAIGN

Schwangerschaft.
Z Allgemeinmed 49:519-21, 20 Apr 73 (Ger)
*ABNORMALITIES, DRUG-INDUCED, prevention & control/ DRUG THERAPY, adverse effects/ FEMALE/ FETUS, drug effects/ HUMAN/ INFANT, NEWBORN/ LACTATION, drug effects/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY, drug effects/ PREGNANCY COMPLICATIONS, chemically induced

1684. **Hüttner I, Boutet M, More RH:** Studies on protein passage through arterial endothelium. II. Regional differences in permeability to fine structural protein tracers in arterial endothelium of normotensive rat.
Lab Invest 28:678-85, Jun 73
ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL, cytology/ AORTA, THORACIC, cytology/ *ARTERIES, cytology/ ARTERIES, metabolism/ BLOOD PRESSURE/ CAROTID ARTERIES, cytology/ CELL MEMBRANE PERMEABILITY/ ENDOTHELIUM, cytology/ EPITHELIAL CELLS, cytology/ FERRITIN, metabolism/ HISTAMINE, physiology/ ILIAC ARTERY, cytology/ INTERCELLULAR JUNCTIONS/ MALE/ MICROSCOPY, ELECTRON/ PEROXIDASES, metabolism/ *PROTEINS, metabolism/ RATS/ RENAL ARTERY, cytology/ SEROTONIN, physiology

1685. **Hwang P, Robertson M, Guyda H, et al:** The purification of human prolactin from frozen pituitary glands.
J Clin Endocrinol Metab 36:1110-8, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND/ PRECIPITATION/ PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY

1686. **Hyde JS, Isenberg PD, Floro LD:** Short- and long-term prophylaxis with cromolyn sodium in chronic asthma.
Chest 63:875-80, Jun 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ AEROSOLS/ *ASTHMA, drug therapy/ ASTHMA, physiopathology/ BRONCHODILATOR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ CLINICAL RESEARCH/ COUGH, chemically induced/ DISODIUM CROMOGLYCATE, administration & dosage/ DISODIUM CROMOGLYCATE, adverse effects/ *DISODIUM CROMOGLYCATE, therapeutic use/ FEMALE/ HUMAN/ MALE/ PLACEBOS/ PREDNISONE, therapeutic use/ SKIN TESTS/ SPIROMETRY/ TIME FACTORS/ VERTIGO, chemically induced

I

1687. **Iablonskii MF:** Identifitsiruiushchee znachenie makro- i mikroelementov dlinnykh trubchatykh kostei cheloveka.
Sud Med Ekspert 16:16-8, Jan-Mar 73 (Rus)
*BONE AND BONES, analysis/ ENGLISH ABSTRACT/ *FORENSIC MEDICINE/ HUMAN/ SPECTROPHOTOMETRY

1688. **Iaichnikova AS:** O kharaktere izmeneniia funktsional'noi deiatel'nosti kory nadpochechnikov pod viianiem ekzogennogo insulina.
Probl Endokrinol (Mosk) 19:67-71, Mar-Apr 73 (Rus)
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ BLOOD SUGAR, analysis/ CHOLESTEROL, analysis/ COLD/ ENGLISH ABSTRACT/ 11-HYDROXYCORTICOSTEROIDS, blood/ INJECTIONS, SUBCUTANEOUS/ *INSULIN, pharmacodynamics/ MALE/ METHODS/ RATS/ STRESS, physiopathology/ TIME FACTORS

1689. **Iakovtsova AF:** Gistokhimiia fermentov platsenty v norme i pri antenatal'noi gibeli ploda.
Arkh Patol 35:53-9, 1973 (Rus)
ANAEROBIOSIS/ CITRATES, analysis/ CYTOCHROME OXIDASE, analysis/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DEATH, enzymology/ GLYCOLYSIS/ HUMAN/ KREBS CYCLE/ LABOR/ LACTATE DEHYDROGENASE, analysis/ LIPOAMIDE DEHYDROGENASE, analysis/ MALATE DEHYDROGENASE, analysis/ MATERNAL-FETAL EXCHANGE/ NAD/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, analysis/ OXYGEN CONSUMPTION/ *PLACENTA, enzymology/ PLACENTA, pathology/ PREGNANCY/ SUCCINATE DEHYDROGENASE, analysis

1690. **Ibbertson HK, Tait JM, Pearl M, et al:** Himala cretinism. Adv Exp Med Biol 30:51-69, 1972
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL, blood/ CRETINISM, diagnosis/ CRETINISM, metabolism/ *CRETINISM, occurrence/ DEAF-MUTISM, etiology/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GOITER, complications/ GROWTH/ HUMAN INFANT/ IODINE, metabolism/ MALE/ NEPAL/ NEUROLOGIC MANIFESTATIONS/ THYROID GLAND FUNCTION TESTS

1691. **Ibrahim el-SA, Wahbi AM, Abdelsalam MA:** Colorimetric determination of corticosteroids u aldehyde-sulphuric acid colour reaction. 2.
Pharmazie 28:232-4, Apr 73
*ADRENAL CORTEX HORMONES, analysis/ ALDEHYDES/ COLORIMETRY/ METHODS/ REGRESSION ANALYSIS/ SULFURIC ACI TABLETS, analysis

1692. **Ichikawa A, Nagasaki M, Umezu N, et al:** Effec cyclic 3',5'-monophosphate on edema and granul induced by carrageenin.
Biochem Pharmacol 21:2615-26, 1 Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ADRENAL CORTEX HORMONES, secretion ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, therapeu use/ BLOOD SUGAR/ BRADYKININ, pharmacodynamics/ BURNS, drug therapy/ CAPILLARY PERMEABILITY, drug effect *CARRAGEENAN/ CORTICOSTERONE, analysis/ DRUG INTERACTIONS/ EDEMA, chemically induced/ *EDEMA, drug therap FLUOROMETRY/ GRANULOMA, chemicall induced/ *GRANULOMA, drug therapy/ HISTAMINE, pharmacodynamics/ HYDROCORTISONE, analysis/ LIVER GLYCOGEN, analysis/ MALE/ RATS/ THEOPHYLLINE, therapeutic use/ TIME FACTORS

1693. **Igarashi M, Withers BT, Miyata H:** The distributi l-thyroxine labeled with radioactive iodine-125 ears of squirrel monkeys. ORL 34:240-51,
ACOUSTIC NERVE, metabolism/ ANIMAL EXPERIMENTS/ AUDITORY CORTEX, metabolism/ BRAIN STEM, metabolism/ CEREBRAL CORTEX, metabolism/ COCHI metabolism/ *EAR, metabolism/ EAR OSSICLES, metabolism/ FACIAL NERVE, metabolism/ INJECTIONS, INTRAPERITONEAL/ IODINE ISOTOPES/ LABYRINTH, metabolism/ MONKEYS/ O OF CORTI, metabolism/ THYROXINE, bl THYROXINE, cerebrospinal fluid/ *THYROXINE, metabolism/ TIME FACTO TYMPANIC MEMBRANE, metabolism/ VESTIBULAR APPARATUS, metabolism

1694. **Igel H, Lau HU, Hengst P, et al:** Erste Erfahrung dem Prostaglandin F2 bei der künstlichen Abortusauslösung.
Zentralbl Gynaekol 95:353-7, 16 Mar 73
*ABORTION, INDUCED/ FEMALE/ FEVE chemically induced/ GESTATIONAL AGE HUMAN/ NAUSEA, chemically induced/ OXYTOCIN/ PARITY/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS administration & dosage/ PROSTAGLAN adverse effects/ SWEATING/ TIME FACTORS/ VOMITING, chemically induc

1695. **Ignarro LJ, Colombo C:** Enzyme release polymorphonuclear leukocyte lysosomes: reg

by autonomic drugs and cyclic nucleotides. Science 180:1181-3, 15 Jun 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHOLINE, pharmacodynamics/ *GLUCURONIDASE, metabolism/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ GUINEA PIGS/ LEUKOCYTES/ LEUKOCYTES, drug effects/ *LEUKOCYTES, enzymology/ *LYSOSOMES, enzymology/ NOREPINEPHRINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ TYRAMINE, pharmacodynamics

8. **Il K, Hizawa K, Katsuse R:** Generalized cytomegalic inclusion disease presenting an infectious mononucleosis syndrome (so-called cytomegalovirus mononucleosis) in a previously healthy adult--an autopsy study. Acta Pathol Jap 22:723-37, Nov 72
AGED/ AUTOPSY/ BONE MARROW, pathology/ CYTOMEGALIC INCLUSION DISEASE, diagnosis/ *CYTOMEGALIC INCLUSION DISEASE, pathology/ DIAGNOSIS, DIFFERENTIAL/ HEMATOPOIETIC SYSTEM, pathology/ HEPATITIS, pathology/ HUMAN/ *INFECTIOUS MONONUCLEOSIS/ INFECTIOUS MONONUCLEOSIS, diagnosis/ LIVER, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ LYMPHOCYTES/ MALE/ ORCHITIS, pathology/ PNEUMONIA, pathology/ RETICULOENDOTHELIAL SYSTEM, pathology/ SPLEEN, pathology/ TESTIS, pathology

7. **Ikonomoff SI:** Zur Wirkung von Cholinesterasehemmern bei hysterischem Stupor. Munch Med Wochenschr 115:701-3, 20 Apr 73 (Ger)
EMOTIONS/ ENGLISH ABSTRACT/ EPINEPHRINE, physiology/ HUMAN/ HYPOTHALAMUS, physiopathology/ *HYSTERIA, drug therapy/ HYSTERIA, etiology/ HYSTERIA, physiopathology/ *NEOSTIGMINE, therapeutic use/ NOREPINEPHRINE, pharmacodynamics/ *PYRIDOSTIGMINE BROMIDE, therapeutic use/ SYNAPSES, drug effects/ UNCONSCIOUSNESS, drug therapy/ UNCONSCIOUSNESS, etiology/ UNCONSCIOUSNESS, physiopathology

Il'in VS, Norman KhK: O gormonal'noi reguliatsii aktivnosti transaminaz v malignizirulushchikhsia kletkakh pecheni krys. Vopr Med Khim 19:143-8, Mar-Apr 73 (Rus)
ADMINISTRATION, ORAL/ ALANINE AMINOTRANSFERASE, biosynthesis/ *AMINOTRANSFERASES, physiology/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, biosynthesis/ CELL FRACTIONATION/ COLORIMETRY/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ INSULIN, pharmacodynamics/ LIVER, pathology/ *LIVER NEOPLASMS, enzymology/ MALE/ MITOCHONDRIA, LIVER, enzymology/ NITROSAMINES, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ TIME FACTORS

Il'nachenok RIu, Abuladze GV: Nefrokhimicheskie aspekty formirovaniia elektrograficheskikh i povedencheskikh reaktsii. Zh Vyssh Nerv Deiat 22:1133-41, Nov-Dec 72 (Rus)
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENACTYZINE, pharmacodynamics/ CATS/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ CHLORPROMAZINE, pharmacodynamics/ CONDITIONING, CLASSICAL/ DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ EVOKED POTENTIALS/ GALANTHAMINE, pharmacodynamics/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, physiology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MEMORY, drug effects/ MICE/ PARASYMPATHOLYTICS, pharmacodynamics/ RATS/ RETICULAR FORMATION, drug effects/ *RETICULAR FORMATION, physiology/ SCOPOLAMINE, pharmacodynamics/ SEROTONIN, physiology

1700. **Illig R, Bambach M, Pluznik S, et al:** Die Wirkung von synnetischem LH-RH auf die Freisetzung von LH und FSH bei Kindern und Jugendlichen. Schweiz Med Wochenschr 103:840-2, 9 Jun 73 (Ger)
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ *FSH, blood/ FSH, secretion/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ *LH, diagnostic use/ LH, secretion/ MALE/ *PITUITARY DISEASES, diagnosis/ PITUITARY GLAND, physiology/ *PITUITARY HORMONE RELEASING FACTORS/ PUBERTY

1701. **Illingworth DV, Ackland N, Burton AM, et al:** Studies on the endocrinology of parturition in the guinea-pig. J Reprod Fertil 33:361-2, May 73
ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ ESTROGENS, blood/ FEMALE/ GUINEA PIGS/ HYPOPHYSECTOMY/ *LABOR, drug effects/ LABOR, INDUCED/ OXYTOCIN, blood/ PREGNANCY/ PROGESTERONE, blood

1702. **Illingworth DV, Perry JS:** Effects of oestrogen, administered early or late in the oestrous cycle, upon the survival and regression of the corpus luteum of the guinea-pig. J Reprod Fertil 33:457-67, Jun 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTROGENS, administration & dosage/ *ESTROGENS, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ GUINEA PIGS/ HYPOPHYSECTOMY/ HYSTERECTOMY/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROGESTERONE, secretion/ TIME FACTORS

1703. **Imai Y, Hirooka Y, Yamauchi K, et al:** [Regulatory mechanims of the hypothalamo-hypophysial-thyroid system in hyperthyroidism-reaction in TRH (TSH releasing hormone) test] Folia Endocrinol Jap 49:698-706, 20 Apr 73 (Jap)
ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES, DIAGNOSTIC/ RADIOIMMUNOASSAY/ THYROID GLAND, physiology/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, diagnostic use

1704. **Imamura N:** Evidence of viral implication in experimental leukemia induced by n-nitrosobutylurea in mice. Gann 64:47-57, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, VIRAL/ CELL-FREE SYSTEM/ CELL MEMBRANE, immunology/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *GROSS VIRUS, immunology/ IMMUNE SERUMS/ LEUKEMIA, EXPERIMENTAL, chemically induced/ *LEUKEMIA, EXPERIMENTAL, immunology/ LYMPHOMA, chemically induced/ LYMPHOMA, immunology/ LYMPHOMA, pathology/ MALE/ MICE/ NEOPLASM TRANSPLANTATION/ *NITROSOUREA COMPOUNDS/ RATS/ THYMUS NEOPLASMS, chemically induced/ THYMUS NEOPLASMS, immunology/ THYMUS NEOPLASMS, pathology

1705. **Inaga H, Okada T:** [Case of eosinophilia, exophthalmos, aortitis and myositis] Ryumachi 12:55-6, Feb 72 (Jap)
ADULT/ *AORTIC DISEASES, complications/ *EOSINOPHILIA, complications/ *EXOPHTHALMOS, complications/ HUMAN/

LIBRARY U. OF I., URBANA-CHAMPAIGN

INFLAMMATION, complications/ MALE/ *MYOSITIS, EOSINOPHILIC, complications

1706. **Infante R:** La biosynthèse des lipoprotéines plasmatiques et sa régulation.
Expos Annu Biochim Med 31:55-90, 1972 (209 ref.) (Fre)
ADRENAL CORTEX HORMONES, physiology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOLAMINES, physiology/ CHOLESTEROL, metabolism/ FATTY ACIDS, metabolism/ HORMONES, physiology/ HUMAN/ INSULIN, physiology/ *LIPOPROTEINS, biosynthesis/ LIPOPROTEINS, blood/ LIVER, metabolism/ MODELS, BIOLOGICAL/ RATS/ REVIEW/ RNA, biosynthesis/ SEX HORMONES, physiology/ THYROID HORMONES, physiology/ TRITIUM

1707. **Ingham JP, Stewart JH, Posen S:** Quantitative skeletal histology in untreated end-stage renal failure.
Br Med J 2:745-8, 30 Jun 73
ADULT/ BIOPSY/ *BONE DISEASES, etiology/ BONE DISEASES, pathology/ FEMALE/ *GLOMERULONEPHRITIS, complications/ HEMOLYSIS/ HUMAN/ HYPERPARATHYROIDISM, complications/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, etiology/ OSTEOMALACIA, etiology/ OSTEOMALACIA, pathology/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, pathology/ OSTEOSCLEROSIS, etiology/ *PYELONEPHRITIS, complications

1708. **Inskeep EK:** Potential uses of prostaglandins in control of reproductive cycles of domestic animals.
J Anim Sci 36:1149-57, Jun 73 (75 ref.)
ANIMAL EXPERIMENTS/ *ANIMALS, DOMESTIC, physiology/ CATTLE/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ENDOMETRIUM, analysis/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ FERTILIZATION/ GOATS, physiology/ LH, blood/ LH, physiology/ OVARY, drug effects/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, secretion/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ *PROSTAGLANDINS, pharmacodynamics/ *REPRODUCTION, drug effects/ REVIEW/ SHEEP, physiology/ SWINE, physiology/ UTERUS, physiology

1709. **Irie M:** [Obesity, emaciation and endocrine disorders--physiopathology]
Jap J Nurs Art 19:82-7, May 73 (Jap)
EMACIATION, physiopathology/ ENDOCRINE DISEASES, physiopathology/ OBESITY, physiopathology/ SPECIAL LIST NURSING

1710. **Irvine WJ, Wilson KS, Toft AD:** Adrenocortical stimulation by substituted 1-18 corticotrophin.
Lancet 1:1417-9, 23 Jun 73
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, chem synthesis/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, secretion/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ MALE/ STIMULATION, CHEMICAL/ TIME FACTORS

1711. **Irwin MI, Kienholz EW:** A conspectus of research on calcium requirements of man.
J Nutr 103:1019-95, Jul 73 (527 ref.)
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, urine/ *CALCIUM, DIETARY/ CHILD/ CHILD NUTRITION/ CHILD, PRESCHOOL/ FECES, analysis/ FEMALE/ GASTROINTESTINAL SYSTEM, metabolism/ HUMAN/ IMMOBILIZATION/ INFANT/ INFANT, NEWBORN/ INFANT NUTRITION/ INFANT, PREMATURE/ LACTATION/ MALE/ MIDDLE AGE/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ REVIEW/ STRESS, metabolism

1712. **Isaac L:** Temperature alteration of monoamin metabolites in cerebrospinal fluid.
Nature [New Biol] 243:269-71, 27 Jun 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ BODY TEMPERATURE REGULATION, drug effects/ CATS/ CISTERNA MAGNA/ HOMOVANILLIC ACI cerebrospinal fluid/ HYDROXYINDOLEACE ACID, administration & dosage/ *HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ HYPOTHALAMUS/ INJECTIONS/ PENTOBARBITAL, pharmacodynamics/ *PHENYLACETATES, cerebrospinal fluid/ STEREOTAXIC TECH

1713. **Isenberg JI, Brickman AS, Moore EW:** The effe secretin on serum calcium in man.
J Clin Endocrinol Metab 37:30-3, Jul 73
*CALCIUM, blood/ HEMATOCRIT/ HUMAN HYPERPARATHYROIDISM, blood/ IN VIT INJECTIONS, INTRAVENOUS/ PHOSPHOR blood/ PHOTOMETRY/ POTASSIUM, blood SECRETIN, administration & dosage/ *SECRETIN, pharmacodynamics/ SODIUM, blood/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ ZOLLINGER-ELLISON SYNDROME, blood

1714. **Ishikawa A:** [Nursing in a case of hyperthyroi
Jap J Nurs Art 19:95-8, May 73
HYPERTHYROIDISM, nursing/ SPECIAL L NURSING

1715. **Ishikawa H, Goto S:** CRF-stimulated biosynthe ACTH in a cell-free system from rat ant pituitaries.
Biochem Biophys Res Commun 52:884-9, 8 J
ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ *CORTICOTROPIN, biosynthesis *CORTICOTROPIN RELEASING FACTOR, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEOXYRIBONUCLEAS pharmacodynamics/ IN VITRO/ KINETICS PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PROTEIN biosynthesis/ PUROMYCIN, pharmacodyna RATS/ RIBONUCLEASE, pharmacodynami SERINE, metabolism/ SWINE/ TRITIUM

1716. **Ismailov BI, Zhemaletdinov FG:** Kinetiches parametry rosta razlichaiushchikhsia po radiochuvstvitel'nosti klonovykh sublinii ast opukholi iaichnika krys.
Vopr Onkol 19:72-5, May 73
ANIMAL EXPERIMENTS/ *ASCITES, radiotherapy/ CELL DIVISION, radiation effects/ CELL LINE/ *CLONE CELLS, radiation effects/ ENGLISH ABSTRACT/ KINETICS/ NEOPLASM TRANSPLANTAT *OVARIAN NEOPLASMS, radiotherapy/ *RADIATION EFFECTS/ RATS

1717. **Israel HL:** Present status of laboratory diagn sarcoidosis.
Ann Clin Lab Sci 3:73-8, Mar-Apr 73 (2
BIOPSY/ BLOOD PROTEINS, analysis/ CALCIUM, urine/ HUMAN/ HYPERCALCEMIA, etiology/ IGA, analys IGM, analysis/ LEUKOCYTE COUNT/ LI DISEASES, complications/ LIVER FUNCT TESTS/ LYMPH NODES/ NEPHROCALCINOSIS, etiology/ REVIEW SARCOIDOSIS, blood/ SARCOIDOSIS, complications/ *SARCOIDOSIS, diagnosis/ SARCOIDOSIS, immunology/ SARCOIDOS pathology/ SKIN TESTS/ THYROID DISEASES, complications

1718. **Ito K:** [Clinical significance of gamma E
Jap J Clin Pathol 21:43-51, Jan 73 (79 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPH physiology/ ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS/ ASTH immunology/ CHEMISTRY/ COMPLEMEN DERMATITIS, ATOPIC, immunology/ EOSINOPHILS, immunology/ HAY FEVE

immunology/ HISTAMINE LIBERATION/ HUMAN/ *IGE/ IGE, analysis/ PARASITIC DISEASES, immunology/ RATS/ REVIEW

to S: [The hypothalamus and hormones--the mechanism of secretion and control]
Jap J Nurs Art 19:9-17, May 73 (Jap)
HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, secretion/ PITUITARY HORMONE RELEASING FACTORS, secretion/ SPECIAL LIST NURSING

toh T, Omori K: Biosynthesis and storage of catecholamines in pheochromocytoma and neuroblastoma cells. J Lab Clin Med 81:889-96, Jun 73
ADRENAL GLAND NEOPLASMS, enzymology/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ CARBOXY-LYASES, analysis/ *CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ DOPA DECARBOXYLASE, analysis/ DOPAMINE, urine/ DOPAMINE BETA HYDROXYLASE, analysis/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYDROXYTRYPTOPHAN, analysis/ INFANT/ MALE/ MIDDLE AGE/ NEUROBLASTOMA, enzymology/ *NEUROBLASTOMA, metabolism/ NEUROBLASTOMA, pathology/ NOREPINEPHRINE, urine/ PHENYLACETATES, urine/ PHEOCHROMOCYTOMA, enzymology/ *PHEOCHROMOCYTOMA, metabolism/ PHEOCHROMOCYTOMA, pathology/ TYROSINE HYDROXYLASE, analysis/ VANILMANDELIC ACID, urine

skovitz HD, Hebert LA, McGiff JC: Angiotensin as a possible intrarenal hormone in isolated dog kidneys. Circ Res 32:550-5, May 73
ANGIOTENSIN, blood/ ANGIOTENSIN, pharmacodynamics/ *ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CESIUM ISOTOPES/ CHROMIUM ISOTOPES/ DOGS/ *KIDNEY, blood supply/ KIDNEY CORTEX, blood supply/ MICROSPHERES/ PEPTIDES/ PERFUSION/ RENIN, blood/ STRONTIUM ISOTOPES/ VASCULAR RESISTANCE/ YTTRIUM ISOTOPES

khimets AD, Triniak NG: Funktsional'noe sostoianie shchitovidnoi zhelezy pri giperbaricheskoi oksigenatsii.
Patol Fiziol Eksp Ter 17:76-8, Mar-Apr 73 (Rus)
ACUTE DISEASE/ ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ BLOOD GAS ANALYSIS/ DOGS/ ENGLISH ABSTRACT/ *HYPERBARIC OXYGENATION/ OXYGEN, poisoning/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, physiopathology/ THYROID HORMONES, blood

anov CP, Mancheva IN: A study of the interaction of 2-p-isothiocyanphenyl-3-phenylindone with peptides and proteins. Anal Biochem 53:420-30, Jun 73
ALANINE/ *AMINO ACID SEQUENCE/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ DIPEPTIDES/ GLYCINE/ *INDENES/ INDICATORS AND REAGENTS/ INSULIN, analysis/ KINETICS/ METHODS/ *PEPTIDES/ *PROTEINS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOCYANATES

anova EA: Identity of the influence of embryonic and adult testes on rat embryo gonaducts.
Sov J Dev Biol 3:46-50, Jan-Feb 72
ANIMAL EXPERIMENTS/ DIFFUSION/ FEMALE/ IN VITRO/ MALE/ METHODS/ MICROPORE FILTERS/ MULLERIAN DUCTS, growth & development/ OVARY, embryology/ RATS/ SEX DETERMINATION/ TESTIS, embryology/ *TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, physiology/ WOLFFIAN DUCT, drug effects/ *WOLFFIAN DUCT, growth & development

ashkina GA: Vplyv adrenalinu, adrenokhromu i adrenoksylu na vmist hlikohenu i molochnoi kysloty u tkanynakh i krovi shchuriv.
Ukr Biokhim Zh 45:204-7, Mar-Apr 73 (Ukr)
*ADRENOCHROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLYCOGEN, analysis/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ *LACTATES, analysis/ LACTATES, blood/ LIVER GLYCOGEN, analysis/ MUSCLES, analysis/ MYOCARDIUM, analysis/ RATS/ SEMICARBAZONES, pharmacodynamics/ TIME FACTORS

1726. Iwai J, Dahl LK, Knudsen KD: Genetic influence on the renin-angiotensin system: low renin activities in hypertension-prone rats. Circ Res 32:678-84, Jun 73
*ANGIOTENSIN/ ANGIOTENSIN, analysis/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ HYPERTENSION, etiology/ *HYPERTENSION, familial & genetic/ KIDNEY, analysis/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KIDNEY, physiopathology/ RATS/ RENIN, analysis/ *RENIN, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ STATISTICS

1727. Iwamizu M: [Case study of emotional disturbance due to Cushing's syndrome]
Jap J Nurs Art 19:88-94, May 73 (Jap)
AFFECTIVE DISTURBANCES, etiology/ CUSHING'S SYNDROME, complications/ SPECIAL LIST NURSING

1728. Iwamura H: The effects of hydrogen bonding and solvents on the absorption spectra of a 4-thiouracil derivative. Biochim Biophys Acta 308:333-8, 18 May 73
*ADENINE/ CHEMISTRY/ CHLOROFORM/ COMPUTERS, DIGITAL/ HEAT/ HYDROGEN/ NUCLEAR MAGNETIC RESONANCE/ NUCLEIC ACID CONFORMATION/ NUCLEIC ACID DENATURATION/ NUCLEOSIDES/ *PROPYLTHIOURACIL/ PROTONS/ RNA, TRANSFER/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOURACIL/ THIOURIDINE

1729. Iwasaki Y, Lamar C, Danenberg K, et al: Studies on the induction and repression of enzymes in rat liver. Characterization and metabolic regulation of multiple forms of tyrosine aminotransferase.
Eur J Biochem 34:347-57, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DACTINOMYCIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ ENZYME REPRESSION/ FETUS/ GEL FILTRATION/ GLUCAGON, pharmacodynamics/ GLUTAMATES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HEAT/ HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INSULIN, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ MALE/ MITOCHONDRIA, LIVER, enzymology/ MOLECULAR WEIGHT/ PREGNANCY/ RATS/ SPECTRUM ANALYSIS/ TYROSINE AMINOTRANSFERASE, isolation & purification/ *TYROSINE AMINOTRANSFERASE, metabolism

1730. Iwatsuki K, Furuta Y, Hashimoto K: Effect of prostaglandin F 2 on the secretion of pancreatic juice induced by secretin and by dopamine.
Experientia 29:319-20, 15 Mar 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ *DOPAMINE, antagonists & inhibitors/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ PANCREAS, drug effects/ PANCREAS, secretion/ *PANCREATIC JUICE, secretion/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *SECRETIN, antagonists & inhibitors/ STIMULATION, CHEMICAL

1731. Iwatsuki N: The effect of CT 1341, a new steroid anesthetic, on the isolated heart muscle.
Tohoku J Exp Med 109:69-75, Jan 73
ACETIC ACIDS, pharmacodynamics/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ *HEART, drug effects/ HEART, physiology/ HYDROXYSTEROIDS, pharmacodynamics/ IN VITRO/ KETOSTEROIDS, pharmacodynamics/ *PREGNANES, pharmacodynamics

1732. **Izumi AK, Edwards J Jr:** Herpes zoster and neurogenic bladder dysfunction. JAMA 224:1748-9, 25 Jun 73
AGED/ AMPICILLIN, therapeutic use/ *BLADDER, NEUROGENIC, etiology/ BLADDER, NEUROGENIC, therapy/ CONSTIPATION, complications/ FEMALE/ HEMATURIA, complications/ *HERPES ZOSTER, complications/ HERPES ZOSTER, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ TRIAMCINOLONE ACETONIDE, therapeutic use/ URINARY CATHETERIZATION

J

1733. **Jaarsveld PP van, Branch WT, Edelhoch H, et al:** Polymorphism of rhesus monkey serum prealbumin. Molecular properties and binding of thyroxine and retinol-binding protein.
J Biol Chem 248:4706-12, 10 Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CHEMISTRY/ CIRCULAR DICHROISM/ DANSYL COMPOUNDS/ DIALYSIS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FLUORESCENCE SPECTROMETRY/ GUANIDINES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LIGHT/ *MACACA, metabolism/ MACROMOLECULAR SYSTEMS/ MONKEYS/ PROTEIN BINDING/ PROTEIN CONFORMATION/ PROTEIN DENATURATION/ SCATTERING/ *SERUM ALBUMIN/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROXINE-BINDING PROTEIN/ *VITAMIN A

1734. **Jaarsveld PP van, Edelhoch H, Goodman DS, et al:** The interaction of human plasma retinol-binding protein and prealbumin. J Biol Chem 248:4698-705, 10 Jul 73
BINDING SITES/ *BLOOD PROTEINS/ CENTRIFUGATION, DENSITY GRADIENT/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LIGHT/ MATHEMATICS/ OSMOLAR CONCENTRATION/ POTASSIUM CHLORIDE/ PROTEIN BINDING/ *PROTEIN PRECURSORS/ SCATTERING/ *SERUM ALBUMIN/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ THYROXINE/ TIME FACTORS/ ULTRACENTRIFUGATION/ *VITAMIN A

1735. **Jackson CE, Tashjian AH Jr, Block MA:** Detection of medullary thyroid cancer by calcitonin assay in families. Ann Intern Med 78:845-52, Jun 73
ADENOMA, familial & genetic/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, familial & genetic/ ADULT/ CATECHOLAMINES, urine/ FEMALE/ HISTAMINASE, blood/ HUMAN/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PARATHYROID NEOPLASMS, familial & genetic/ PEDIGREE/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, familial & genetic/ RADIOIMMUNOASSAY/ THYROCALCITONIN, analysis/ *THYROCALCITONIN, blood/ THYROID NEOPLASMS, blood/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

1736. **Jackson RG, Sage M:** A comparison of the effects of mammalian TSH on the thyroid glands of the teleost Galeichthys felis and the elasmobranch Dasyatis sabina. Comp Biochem Physiol [A] 44:867-70, 1 Mar 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ EVOLUTION/ FISHES/ IN VITRO/ SPECI SPECIFICITY/ THYROID GLAND, drug effects/ *THYROID GLAND, secretion/ *THYROTROPIN, pharmacodynamics/ THYROXINE, secretion

1737. **Jacobelli S, Paparatti L, Bompiani A:** Oestrogen-induced protein (IP) of rat ute Isolation and preliminary characterization. FEBS Lett 32:199-203, 15 May 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ CARB ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DIALYSIS/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ ISOELECTRIC FOCUSING/ LEUCINE, metabolism/ MOLECULAR WEIGHT/ PROTEINS, analysis/ *PROTEI biosynthesis/ PROTEINS, isolation & purification/ RATS/ SODIUM DODECYL SULFATE/ TRITIUM/ *UTERUS, drug ef UTERUS, metabolism

1738. **Jacobs LS, Snyder PJ, Utiger RD, et al:** Pr response to thyrotropin releasing hormone in subjects. J Clin Endocrinol Metab 36:1069-73,
ADULT/ AGE FACTORS/ AGED/ DOSE-RESPONSE RELATIONSHIP, DRUG FEMALE/ HUMAN/ MALE/ MIDDLE AG *PROLACTIN, blood/ SEX FACTORS/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

1739. **Jacobs S:** Pseudo-pseudohypoparathyroidism hypopituitarism. J La State Med Soc 125:205-11,
ADOLESCENCE/ CASE REPORT/ HUMA *HYPOPITUITARISM, complications/ MA *PSEUDOPSEUDOHYPO- PARATHYROID complications

1740. **Jacobsen BB:** Triglyceride metabolism in hyperthyroidism. Lancet 1:1190-1, 26 May
HUMAN/ *HYPERTHYROIDISM, blood/ *TRIGLYCERIDES, blood

1741. **Jacobsen N, Goldhaber P:** Bone resorption induced by products of human gingival culture. J Periodont Res 8:171-8, 1973
ADULT/ *BONE RESORPTION/ BONE RESORPTION, metabolism/ CELL LINE/ DOSE-RESPONSE RELATIONSHIP, DRU EPITHELIAL CELLS/ *GINGIVA, metab HELA CELLS/ HUMAN/ IN VITRO/ M PARATHYROID GLANDS/ TISSUE CUL TISSUE EXTRACTS/ TRYPSIN

1742. **Jacobus WE, Lehninger AL:** Creatine kinase of r mitochondria. Coupling of creatine phospho to electron transport.
J Biol Chem 248:4803-10, 10 Jul 73
ADENINE NUCLEOTIDES/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ CREATINE KINASE, antagoni inhibitors/ *CREATINE KINASE, metab ELECTRON TRANSPORT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINES, enzymology/ KINETICS/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, MUSCLE, enzymolog *MYOCARDIUM, enzymology/ NUCLEO metabolism/ ORGAN SPECIFICITY/ OXIDATIVE PHOSPHORYLATION/ OX CONSUMPTION/ RABBITS/ RATS/ SP SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, enzymology

1743. **Jacoby J:** Personal preferences in anest Surg Clin North Am 53:515-28, Jun 73
ANEMIA, complications/ *ANESTHESIA ANESTHESIA, adverse effects/ ANEST EPIDURAL/ ANESTHESIA, GENERAL/ ANESTHESIA, LOCAL/ ANESTHESIA, SPINAL/ ANESTHESIOLOGY/ ANTIHYPERTENSIVE AGENTS, admini & dosage/ BLOOD VOLUME/ COMPAR STUDY/ CORTISONE,

administration & dosage/ CORTISONE, adverse effects/ DENTAL PROSTHESIS/ HUMAN/ HYDROCARBONS, HALOGENATED, adverse effects/ INFORMED CONSENT/ MONITORING SYSTEMS/ NITROUS OXIDE/ PREMEDICATION/ PREOPERATIVE CARE/ *SURGERY, OPERATIVE/ SYMPATHOLYTICS, administration & dosage/ THIOPENTAL/ TRANQUILIZING AGENTS, administration & dosage

Jaffiol C, Baldet L, Ghachem M, et al: Association de faibles doses d'iode 131 et d'antithyroidiens de synthèse en cure prolongée dans le traitement de la maladie de Basedow. Son intérêt pour la prévention de l'hypothyroïde secondaire. A propos de 165 cas. Sem Hop Paris 49:683-92, 26 Feb 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CARBIMAZOLE, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, radiotherapy/ *GOITER, EXOPHTHALMIC, therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, prevention & control/ *IODINE ISOTOPES, administration & dosage/ LONG TERM CARE/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROPYLTHIOURACIL, administration & dosage/ RADIOTHERAPY DOSAGE/ *THYROID ANTAGONISTS, administration & dosage/ THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE, administration & dosage

Jaffiol C, Baldet L, Vierne Y, et al: Comparaison du dosage chimique automatisé de l'iode hormonal plasmatique et de la thyroxinémie mesurée par compétition (test T4.
Rev Fr Endocrinol Clin 13:363-8, Jul-Aug 72 (Fre)
AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN BINDING/ REGRESSION ANALYSIS/ THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

Jaffiol C, Baldet L, Djabri M, et al: Le nodule thyroidien froid et solitaire. Confrontations anatomo-pathologiques. Discussion thérapeutique. A propos de 144 observations.
Rev Fr Endocrinol Clin 13:317-37, Jul-Aug 72 (Fre)
ACNE, radiotherapy/ ADENOCARCINOMA, diagnosis/ ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BIOPSY/ CARCINOMA, PAPILLARY, diagnosis/ CYSTADENOMA, diagnosis/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ RADIOTHERAPY, adverse effects/ SEX FACTORS/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, therapy/ *THYROIDITIS, diagnosis/ *THYROIDITIS, LYMPHOMATOUS, diagnosis

Jaffiol C, Dautry JC, Baldet L, et al: Le nodule chaud thyroidien: problèms diagnostiques, physiopathologiques et thérapeutiques. A propos de 118 observations.
Rev Fr Endocrinol Clin 13:295-316, Jul-Aug 72 (Fre)
ADULT/ AGED/ CARBIMAZOLE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR/ GOITER, NODULAR, complications/ GOITER, NODULAR, diagnosis/ GOITER, NODULAR, drug therapy/ GOITER, NODULAR, physiopathology/ GOITER, NODULAR, radiotherapy/ GOITER, NODULAR, surgery/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, etiology/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ THYROID GLAND FUNCTION TESTS/ THYRONINE, therapeutic use

Jain BP, Brody JS, Fisher AB: The small lung of hypopituitarism. Am Rev Respir Dis 108:49-55, Jul 73
ADULT/ ELASTICITY/ FEMALE/ HUMAN/ HYPOPITUITARISM, complications/ *HYPOPITUITARISM, physiopathology/ LUNG, growth & development/ *LUNG, physiopathology/ LUNG DISEASES, etiology/ MALE/ MIDDLE AGE/ PULMONARY DIFFUSING CAPACITY/ SPIROMETRY/ VITAL CAPACITY

1749. Jakóbisiak M, Kamiński M, Kossakowska AE, et al: Influence of classical immunosuppressants on spleen colony formation in mice.
Experientia 29:335-6, 15 Mar 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ BODY WEIGHT/ BONE MARROW CELLS, drug effects/ CELL COUNT/ *CELL DIVISION, drug effects/ CLONE CELLS, drug effects/ CORTISONE, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ FEMALE/ HEMATOPOIESIS, drug effects/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ MICE/ ORGAN WEIGHT/ RADIATION CHIMERA/ SPLEEN, anatomy & histology/ SPLEEN, cytology/ *SPLEEN, drug effects

1750. Jakowicki J, Ervast HS, Adlercreutz H: Gas chromatographic determination and mass spectrometric identification of oestrogens in normal human placental tissue at term.
J Steroid Biochem 4:181-91, Mar 73
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PLACENTA, analysis/ PREGNANCY/ TIME FACTORS

1751. Jakubovič A, Hattori T, McGeer PL: Radioactivity in suckled rats after giving 14 C-tetrahydrocannabinol to the mother. Eur J Pharmacol 22:221-3, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN, cytology/ BRAIN CHEMISTRY/ *CANNABIS, analysis/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ LACTATION/ MICROSCOPY, ELECTRON/ *MILK, analysis/ RATS/ RIBOSOMES/ SHEEP/ STOMACH, analysis/ TETRAHYDROCANNABINOL, analysis/ TIME FACTORS

1752. Jalabert B, Breton B, Bry C: Maturation et ovulation in vitro des ovocytes de la truite arc-en-ciel Salmo Gairdnerii.
C R Acad Sci [D] (Paris) 275:1139-42, 11 Sep 72 (Fre)
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ GONADOTROPINS, PITUITARY, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MEIOSIS/ OVARY, drug effects/ *OVULATION, drug effects/ *OVUM, drug effects/ PITUITARY GLAND/ PROGESTERONE, pharmacodynamics/ SALMONIDAE/ TESTOSTERONE, pharmacodynamics

1753. Jalůvka V, Kratzsch E: Granulosazell- und Brenner-Tumor bei Patientin mit Adenocarcinoma corporis uteri.
Zentralbl Gynaekol 95:603-8, 4 May 73 (Ger)
*ADENOCARCINOMA, pathology/ AGED/ *BRENNER TUMOR, pathology/ ENDOMETRIAL HYPERPLASIA, pathology/ FEMALE/ *GRANULOSA CELL TUMOR, pathology/ HUMAN/ OVARIAN NEOPLASMS, pathology/ UTERINE HEMORRHAGE, pathology/ *UTERINE NEOPLASMS, pathology

1754. James F, Fotherby K, Klopper A: Excretion of 6-oxygenated metabolites of progesterone and

LIBRARY U. OF I., URBANA-CHAMPAIGN

pregnanediol during pregnancy.
Clin Endocrinol (Oxf) 1:73-9, Jan 72
BODY WEIGHT/ FEMALE/ FETUS/ GESTATIONAL AGE/ HUMAN/ PLACENTA/ *PREGNANCY/ PREGNANCY TOXEMIAS, urine/ *PREGNANEDIOL, urine/ *PROGESTERONE, urine

1755. **Jane F, Planas E, Puig M, et al:** Sensitivity of hamster (Cricetus auratus) isolated vas deferens to some drugs. Eur J Pharmacol 22:99-101, Apr 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ CHLORIDES, pharmacodynamics/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HAMSTERS/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, metabolism/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics/ *VAS DEFERENS, drug effects/ VAS DEFERENS, metabolism

1756. **Janerich DT, Piper JM, Glebatis DM:** Hormones and limb-reduction deformities. Lancet 2:96-7, 14 Jul 73
ABNORMALITIES, etiology/ *ABNORMALITIES, DRUG-INDUCED/ *CONTRACEPTIVES, ORAL, adverse effects/ ENDOCRINE DISEASES, complications/ *ESTROGENS, adverse effects/ *EXTREMITIES, abnormalities/ FEMALE/ HEALTH SURVEYS/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PROGESTERONE, adverse effects/ TWINS

1757. **Janiak T, Ugorski L:** Zachowanie się tarczycy w eksperymentalnym wstrząsie endotoksycznym u prosiąt.
Pol Arch Weter 15:749-56, 1972 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESCHERICHIA COLI/ INJECTIONS, INTRAVENOUS/ *LIPOPOLYSACCHARIDES, administration & dosage/ *POLYSACCHARIDES, BACTERIAL, administration & dosage/ SHOCK, ENDOTOXIC, chemically induced/ *SHOCK, ENDOTOXIC, physiopathology/ *THYROID GLAND, physiopathology

1758. **Janisch H, Leodolter S:** Ergebnisse der Plazentadurchströmungsmessung bei Risikoschwangerschaften.
Z Geburtshilfe Perinatol 177:74-80, Apr 73 (Ger)
BLOOD GROUP INCOMPATIBILITY, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ FETAL DISEASES, etiology/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, blood supply/ PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY IN DIABETES, physiopathology/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, physiopathology/ REGIONAL BLOOD FLOW/ RH FACTORS/ TECHNETIUM, diagnostic use/ ULTRASONICS, diagnostic use

1759. **Jann R:** Zur Behandlung der Oestrogenmangelvaginitis.
Praxis 62:802-4, 19 Jun 73 (Ger)
CLIMACTERIC/ DEFICIENCY DISEASES, etiology/ ESTROGENS, metabolism/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ *VAGINITIS, drug therapy/ VAGINITIS, etiology

1760. **Jansa P:** "Skin window" in clinical routine.
Folia Haematol (Leipz) 99:121-30, 1973 (70 ref.)
ADRENAL GLAND HYPOFUNCTION, immunology/ ADULT/ BASOPHILS/ CELL MOVEMENT/ EOSINOPHILIA, diagnosis/ EOSINOPHILS/ HUMAN/ HYPERGAMMAGLOBULINEMIA, diagnosis/ HYPERTHYROIDISM, diagnosis/ IMMUNITY, CELLULAR/ INFANT, NEWBORN/ INFLAMMATION, diagnosis/ LEUKEMIA, diagnosis/ LEUKEMIA, MYELOBLASTIC, diagnosis/ LEUKEMIA, MYELOCYTIC, diagnosis/ MACROPHAGES/ PARASITIC DISEASES, diagnosis/ REVIEW/ *SKIN WINDOW TECHNIC

1761. **Jaquet P, Codaccioni JL, Bordarier P, et al:** Eff l'administration de TRH synthétique chez le normal.
Ann Endocrinol (Paris) 33:305-16, Jul-Aug 72
ADMINISTRATION, ORAL/ ADULT/ AUTOANALYSIS/ BLOOD PROTEINS/ CIRCADIAN RHYTHM/ CORTICOTROPIN blood/ ENGLISH ABSTRACT/ EXERTION FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ IODINE, blood/ KINETI LH, blood/ MALE/ MIDDLE AGE/ PITUITARY GLAND, drug effects/ PRO BINDING/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

1762. **Jaquet P, Codaccioni JL, Oliver C, et al:** Eff l'injection I.V. de TRH synthétique en pat hypophysaire.
Ann Endocrinol (Paris) 33:331-9, Jul-Aug 7
ADENOMA, diagnosis/ ADENOMA, CHROMOPHOBE, diagnosis/ ADULT/ AG ARACHNOID/ CORTICOTROPIN, blood/ CRANIOPHARYNGIOMA, diagnosis/ ENG ABSTRACT/ FEMALE/ GLIOMA, diagno HUMAN/ *HYPOPITUITARISM, diagnosi HYPOTHALAMO-HYPOPHYSEAL SYSTE physiopathology/ INJECTIONS, INTRAVENOUS/ KINETICS/ MALE/ MENINGIOMA, diagnosis/ MIDDLE AGE *PITUITARY GLAND FUNCTION TEST *PITUITARY NEOPLASMS, diagnosis/ SOMATOTROPIN, blood/ THYROTROPI blood/ THYROTROPIN RELEASING FA administration & dosage/ THYROTROPI RELEASING FACTOR, blood/ *THYROT RELEASING FACTOR, diagnostic use

1763. **Järnerot G:** Diabetes mellitus with optic atrophy--thalassemia-like siderobiastic ane weak isoagglutinins--a new genetic synd
Acta Med Scand 193:359-62, Apr 73
ADOLESCENCE/ ADULT/ *AGGLUTINI *ANEMIA, SIDEROBLASTIC/ BONE DISEASES, familial & genetic/ CHILD, PRESCHOOL/ CHROMOSOME ABNORMALITIES/ CHROMOSOMES, HU 6-12/ CHROMOSOMES, HUMAN, 16-18/ *DIABETES MELLITUS, JUVENILE, fa genetic/ FEMALE/ HALLUX VALGUS, familial & genetic/ HIP DISLOCATION CONGENITAL/ HUMAN/ *ISOANTIBOI *KLINEFELTER'S SYNDROME/ MALE/ MIDDLE AGE/ *OPTIC ATROPHY, fa genetic/ SYNDROME

1764. **Jarosz SJ, Deans RJ, Dukelow WR:** Cykl płcio afrykańskich karłowatych i toggenburg.
Pol Arch Weter 15:613-21, 1972
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ *GO physiology/ LAPAROSCOPY/ OVULAT TIME FACTORS/ VAGINAL SMEARS

1765. **Jarrett IG:** A polymeric form of haemoglobi protein in sheep following metabolic and disturbance. Aust J Biol Sci 25:941-8,
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALLOXAN DIABE blood/ ALLOXAN DIABETES, drug th ANIMAL EXPERIMENTS/ CORTICOTR pharmacodynamics/ CORTISONE, pharmacodynamics/ ELECTROPHORESI POLYACRYLAMIDE GEL/ FASTING/ FEMALE/ GEL DIFFUSION TESTS/ *HAPTOGLOBINS, analysis/ *HEMOGL INSULIN, therapeutic use/ MALE/ MOLECULAR WEIGHT/ *PROTEIN B *SHEEP/ TURPENTINE, pharmacodyn

1766. **Jarrousse C, Rançon F, Rosselin G, et al:** Sé l'insuline et du glucagon par le pancré nouveau-né: effet du glucose et de l'adén cyclique monophosphate.
C R Acad Sci [D] (Paris) 676:797-800, 29 Ja

LIBRARY U. OF I. URBANA-CHAMPAIGN

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *GLUCAGON, secretion/ *GLUCOSE, pharmacodynamics/ *INSULIN, secretion/ *PANCREAS, drug effects/ PANCREATECTOMY/ RADIOIMMUNOASSAY/ RATS/ THEOPHYLLINE, pharmacodynamics

Jarvis JA, Magos L: Effects of phenobarbitone and starving on the dopamine content of the adrenal glands of rats exposed to carbon disulphide. Naunyn Schmiedebergs Arch Pharmacol 278:207-13, 1973
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CARBON DISULFIDE, pharmacodynamics/ CARBON DISULFIDE, toxicity/ CATECHOLAMINES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ *DOPAMINE, metabolism/ DRUG SYNERGISM/ FLUOROMETRY/ MALE/ PHENOBARBITAL, pharmacodynamics/ RATS/ STARVATION

Jay B: Hereditary aspects of pigmentary retinopathy. Trans Ophthalmol Soc UK 92:173-8, 1972
AUTOSOME ABNORMALITIES/ FEMALE/ HUMAN/ MALE/ RETINITIS PIGMENTOSA, classification/ *RETINITIS PIGMENTOSA, familial & genetic/ SEX CHROMOSOME ABNORMALITIES

Jayle GE, Metge P, Chagnon A, et al: Un cas d'exophtalmie intermittente par anèvrisme veineux orbitaire.
Rev Otoneuroophtalmol 44:313-8, May-Jun 72 (Fre)
ADULT/ *ANEURYSM, complications/ *EXOPHTHALMOS, etiology/ EXOPHTHALMOS, therapy/ HUMAN/ MALE/ *ORBIT, blood supply/ PHLEBOGRAPHY/ *VEINS

Jean C: Apparition des troubles dans le testicule cryptorchide de souris après injection d'oestradiol à la mère gravide.
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ MATERNAL-FETAL EXCHANGE/ MICE/ ORGAN WEIGHT/ PREGNANCY/ *TESTIS, drug effects/ TESTIS, pathology/ TIME FACTORS

Jean R, Bonnet H, Dumas R, et al: Les formes inhabituelles du diabète infantile.
Arch Fr Pediatr 29:957-64, Nov 72 (Fre)
ABNORMALITIES, MULTIPLE, complications/ ACUTE DISEASE/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, complications/ DIABETES MELLITUS, JUVENILE, complications/ *DIABETES MELLITUS, JUVENILE, diagnosis/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ EYE DISEASES, complications/ FEMALE/ FRIEDREICH'S ATAXIA, complications/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ HYPOGONADISM, complications/ INSULIN RESISTANCE/ LIPODYSTROPHY, complications/ MALE/ MENTAL RETARDATION, complications/ OBESITY, complications/ PANCREATITIS, complications/ PARALYSIS, complications/ SCIATIC NERVE/ SYNDROME

Jedvab M, Stavorovsky M, Deligdish L, et al: [Pheochromocytoma and medullary carcinoma of the thyroid in Sipple's syndrome]
Harefuah 84:386-9, 1 Apr 73 (Heb)
ADULT/ *CARCINOMA, complications/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, familial & genetic/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, familial & genetic

Jefferson LS, Robertson JW, Tolman EL: Effects of hypophysectomy on lactate metabolism in the perfused rat liver. J Biol Chem 248:4561-7, 10 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ FASTING/ FATTY ACIDS, biosynthesis/ GLUCONEOGENESIS/ GLUCOSEPHOSPHATES, biosynthesis/ GLYCERIC ACIDS, biosynthesis/ HYPOPHYSECTOMY/ KINETICS/ KREBS CYCLE/ *LACTATES, metabolism/ *LIVER, metabolism/ LIVER GLYCOGEN, biosynthesis/ MALE/ ORGANOPHOSPHORUS COMPOUNDS, biosynthesis/ OXIDATION-REDUCTION/ PERFUSION/ PHOSPHOENOLPYRUVATE, biosynthesis/ *PITUITARY GLAND, physiology/ PROTEINS, biosynthesis/ PYRUVATES, biosynthesis/ RATS

1774. Jell RM: Responses of hypothalamic neurones to local temperature and to acetylcholine, noradrenaline and 5-hydroxytryptamine. Brain Res 55:123-34, 30 May 73
*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BARBITURATES, pharmacodynamics/ BODY TEMPERATURE REGULATION/ CATS/ CEREBRAL CORTEX DECORTICATION/ DRUG COMBINATIONS/ ELECTROPHORESIS/ *HEAT/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MICROINJECTIONS/ *NOREPINEPHRINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics

1775. Jelonek A, Stapińska J, Baryłak H, et al: Przemiana wapniowo-fosforowa w przebiegu samoistnej osteoporozy typu młodzieńczego.
Folia Med Cracov 14:635-42, 1972 (Pol)
AGE FACTORS/ *CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYSTEROIDS, urine/ MALE/ *OSTEOPOROSIS, metabolism/ *PHOSPHATES, metabolism

1776. Jennekens FG: Peripheral neuropathies in diseases of internal organs. II. A survey.
Neth J Med 16:38-50, 1973 (105 ref.)
ACROMEGALY, complications/ AMYLOIDOSIS, complications/ ATAXIA, etiology/ COLLAGEN DISEASES, complications/ DIABETIC ANGIOPATHIES, complications/ DIABETIC NEUROPATHIES, etiology/ HUMAN/ HYPERINSULINISM, complications/ HYPOTHYROIDISM, complications/ KIDNEY FAILURE, CHRONIC, complications/ LEPROSY, complications/ LIVER DISEASES, complications/ MALABSORPTION SYNDROMES, complications/ NEOPLASMS, complications/ NERVE COMPRESSION SYNDROMES, etiology/ PERIARTERITIS NODOSA, complications/ *PERIPHERAL NERVE DISEASES, etiology/ POLYRADICULITIS, etiology/ PORPHYRIA, complications/ RESPIRATORY TRACT DISEASES, complications/ REVIEW/ SPINAL CORD DISEASES, etiology/ UREMIA, complications/ VITAMIN B 12 DEFICIENCY, complications

1777. Jepson JH: Hypoplastic anemia. Pathophysiology and therapy. Med Clin North Am 57:1079-94, Jul 73 (80 ref.)
ANABOLIC STEROIDS, therapeutic use/ ANDROGENS, therapeutic use/ *ANEMIA, APLASTIC/ ANEMIA, APLASTIC, chemically induced/ ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, etiology/ ANEMIA, APLASTIC, metabolism/ ANEMIA, APLASTIC, therapy/ BONE MARROW, transplantation/ ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, biosynthesis/ HEMATOPOIETIC STEM CELLS, drug effects/ HEME, biosynthesis/ HEPATITIS, complications/ HUMAN/ IRON, metabolism/ LEUKEMIA, SUBLEUKEMIC, complications/ REVIEW/ TRANSPLANTATION, HOMOLOGOUS/ TUBERCULOSIS, MILIARY, complications

1778. Jesel L: Données nouvelles sur la régulation de la durée

du cycle aestral par le corps jaune chez le cobaye. C R Acad Sci [D] (Paris) 276:565-7, 22 Jan 73 (Fre)
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ GUINEA PIGS/ METHODS/ OVARY, physiology/ OVULATION/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ TIME FACTORS

1779. **Jespersen S, Scheel-Krüger J:** Evidence for a difference in mechanism of action between fenfluramine- and amphetamine-induced anorexia. J Pharm Pharmacol 25:49-54, Jan 73
AMPHETAMINE, antagonists & inhibitors/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ DIBENZAZEPINES, pharmacodynamics/ FEEDING BEHAVIOR, drug effects/ FEMALE/ FENFLURAMINE, antagonists & inhibitors/ *FENFLURAMINE, pharmacodynamics/ METHYLERGONOVINE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ NEURONS, physiology/ RATS/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, physiology

1780. **Jesserer H:** Ostrogene bei Altersosteoporose. Med Klin 68:614, 4 May 73 (Ger)
AGED/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ KYPHOSIS, drug therapy/ *OSTEOPOROSIS, drug therapy

1781. **Jeune M:** Table ronde sur les états intersexuels. Introduction. Pediatrie 27:811-2, Dec 72 (Fre)
FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME/ MALE/ PSEUDOHERMAPHRODITISM/ *SEX DIFFERENTIATION DISORDERS/ TURNER'S SYNDROME

1782. **Jeune M, David L:** Le pseudohermaphrodisme masculin. Essai de classification à propos de 33 observations. Pediatrie 27:891-912, Dec 72 (Fre)
CHILD, PRESCHOOL/ ESTROGENS, administration & dosage/ *GENITALIA, MALE, abnormalities/ GONADOTROPINS, CHORIONIC, administration & dosage/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ METABOLISM, INBORN ERRORS, complications/ *PSEUDOHERMAPHRODITISM, classification/ PSEUDOHERMAPHRODITISM, etiology/ TESTICULAR FEMINIZATION/ TESTICULAR FEMINIZATION, drug therapy/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, analysis/ TURNER'S SYNDROME, complications

1783. **Jewitt DE, Skelton DL, Sonnenblick EH:** Salutary effect of methyl prednisolone on viability of heart muscle exposed to anoxia. Br Heart J 35:550-1, May 73
ANIMAL EXPERIMENTS/ *ANOXIA, drug therapy/ CATS/ IN VITRO/ *METHYLPREDNISOLONE, pharmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ *MUSCLES, drug effects/ PAPILLARY MUSCLES, drug effects

1784. **Jha GJ, Sinha SN, Ishaque SM:** A case of squamous cell carcinoma in a heifer associated with persistent lactation, cystic ovaries and mucometra. Vet Rec 92:137-8, 10 Feb 73
ANIMAL EXPERIMENTS/ BIOPSY, veterinary/ CARCINOMA, EPIDERMOID, complications/ CARCINOMA, EPIDERMOID, pathology/ *CARCINOMA, EPIDERMOID, veterinary/ CATTLE/ *CATTLE DISEASES, complications/ ERYTHROCYTE COUNT/ ESTROGENS, adverse effects/ FEMALE/ LACTATION/ LACTATION DISORDERS, complications/ LACTATION DISORDERS, etiology/ LEUKOCYTE COUNT/ OVARIAN CYSTS, complications/ *OVARIAN CYSTS, veterinary/ SKIN NEOPLASMS, complications/ *SKIN NEOPLASMS, veterinary

1785. **Jiang NS, Ryan RJ, Albert A:** Radioimmunoassay of serum estrogen. Clin Chem 19:740-7, Jul 73
BINDING SITES, ANTIBODY/ CHARCOAL/ DEXTRAN/ ESTRADIOL, blood/ ESTRADIOL, isolation & purification/ *ESTROGENS, blo
ESTRONE, blood/ ESTRONE, isolation & purification/ FEMALE/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ION EXCHANGE RESINS/ MALE/ MENOPAUSE MENSTRUATION/ PROTEIN BINDING/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN BOVINE/ SEX FACTORS/ TRITIUM

1786. **Jiménez de Asúa L, Surian ES, Flawia MM, et al:** E of insulin on the growth pattern and adenylate cy activity of BHK fibroblasts. Proc Natl Acad Sci USA 70:1388-92, May
ADENOSINE CYCLIC 3',5' MONOPHOSPH analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, antagonists & inhibitors/ CELL LINE/ CELL MEMBRANE, enzymology/ C TRANSFORMATION, NEOPLASTIC, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ FIBROBLASTS, cytology/ FIBROBLASTS, enzymology/ HAMSTERS/ INSULIN, antagonists & inhibitors/ *INSU pharmacodynamics/ KIDNEY/ *MITOSIS, effects/ THEOPHYLLINE, pharmacodynam

1787. **Jiminez RB, Holmes LB, Kaiser JS, et al:** Achondrogenesis. Pediatrics 51:1087-90, Jun
BONE AND BONES, pathology/ *CARTIL abnormalities/ *EXTREMITIES, abnormali HUMAN/ INFANT, NEWBORN/ *INFANT NEWBORN, DISEASES, complications/ INFANT, NEWBORN, DISEASES, patholo MALE/ *OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFE pathology/ SYNDROME

1788. **Jirásek J, Tunová T:** Výsledky chirurtického kongenitální hydrokély. Cesk Pediatr 28:255-7, 1973
ENGLISH ABSTRACT/ HUMAN/ HYDRO congenital/ *HYDROCELE, surgery/ MAL METHODS/ TESTIS, surgery

1789. **Jirousek L, Soodak M:** The reaction of N-iodosuccinimide with the goitrogens: a mo the active iodine of the thyroid gland. Proc Natl Acad Sci USA 70:1401-5, May
AMINOBENZOIC ACID/ AMINOSALICYL ACID/ BARBITURATES/ CHEMISTRY/ CYSTEINE/ DIMETHYL SULFOXIDE/ *IODINE/ IODINE, analysis/ IODINE, metabolism/ MERCAPTOETHANOL/ METHODS/ MODELS, CHEMICAL/ NITROGEN/ RESORCINOL/ SALICYLIC SPECTROPHOTOMETRY/ SULFADIAZIN SULFANILAMIDE/ THIOUREA/ *THYRO GLAND, metabolism/ *THYROID HORM antagonists & inhibitors/ TRIAZOLES/ URACIL/ UREA

1790. **Job JC, Canlorbe P:** Le nanisme par insuffisanc en hormone hypophysaire de croissance. Rev Prat 23:893-903, 21 Feb 73
ANABOLIC STEROIDS, therapeutic use DWARFISM, PITUITARY/ DWARFISM, PITUITARY, blood/ DWARFISM, PITUI diagnosis/ DWARFISM, PITUITARY, dr therapy/ DWARFISM, PITUITARY, fam genetic/ PROGNOSIS/ RADIOIMMUNOA SOMATOTROPIN, secretion/ SOMATOT SPECIAL LIST FOREIGN

1791. **Job JC, Chaussain JL, Vitry L, et al:** Goitr juvénile et taux sanguin de thyréostimuline Effets de l'hormone nypothalamique de libé la thyréostimuline (TRH. Biomedicine 19:164-8, 10 Apr 73
ADOLESCENCE/ ADULT/ CHILD/ CHI PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, blood/ GOITER, metabolism/ HUMAN/ INFANT/ IODIN blood/ IODINE, metabolism/ MALE/ T GLAND, drug effects/ THYROID GLA metabolism/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR

THYROTROPIN RELEASING FACTOR, pharmacodynamics

Jöchle W: Corticosteroid-induced parturition in domestic animals.
Annu Rev Pharmacol 13:33-55, 1973 (158 ref.)
ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, physiology/ *ANIMALS, DOMESTIC/ CATTLE/ ENDOCRINE GLANDS, physiology/ FEMALE/ FETUS/ GOATS/ HORSES/ HUMAN/ LABOR, drug effects/ *LABOR, INDUCED/ PREGNANCY/ REVIEW/ SHEEP/ SPECIES SPECIFICITY/ SWINE

Jofre de Breyer IJ, Acevedo C, Torrello M: Influence of ethanol on the effects of DL-p-chlorophenylalanine on biogenic amines of rat brain.
Arzneim Forsch 22:2140-2, Dec 72
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ DOPAMINE, analysis/ DRUG INTERACTIONS/ EPINEPHRINE, analysis/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ NOREPINEPHRINE, analysis/ PHENYLACETATES, analysis/ PHENYLALANINE HYDROXYLASE, antagonists & inhibitors/ RATS/ SEROTONIN, analysis/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ VANILMANDELIC ACID, analysis

Johansen JK, Iversen O: Calciumudskillelsen i urinen ved hyperparatyreoidisme.
Ugeskr Laeger 135:644-6, 19 Mar 73 (Dan)
*CALCIUM, urine/ ENGLISH ABSTRACT/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, urine/ KIDNEY CALCULI, etiology/ PROGNOSIS/ RECURRENCE/ TIME FACTORS

Johansson KN, Currie BL, Folkers K: Biosynthesis of the luteinizing hormone releasing hormone in mitochondrial preparations and by a possible pantetheine-template mechanism.
Biochem Biophys Res Commun 53:502-7, 17 Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS/ GEL FILTRATION/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, metabolism/ LH, secretion/ *MITOCHONDRIA, metabolism/ PANTOTHENIC ACID/ *PITUITARY HORMONE RELEASING FACTORS, biosynthesis/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ SWINE/ SYNAPTOSOMES, metabolism/ TEMPLATES

Johansson KN, Currie BL, Folkers K: Determination of releasing hormones in subcellular fractions from porcine hypothalamic tissue.
Biochem Biophys Res Commun 52:967-73, 8 Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ FEMALE/ FSH, secretion/ GEL FILTRATION/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, secretion/ LH, secretion/ MITOCHONDRIA, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, secretion/ SUBCELLULAR FRACTIONS, metabolism/ SWINE/ THYROTROPIN, secretion/ TRITIUM

Johns WF, Hofmann LM: 7-Acetylthioetiojervanes, new antialdosterone agents.
J Med Chem 16:568-70, May 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CRYSTALLIZATION/ DRUG STABILITY/ *INDENES, chem synthesis/ INDENES, pharmacodynamics/ *NAPHTHALENES, chem synthesis/ NAPHTHALENES, pharmacodynamics/ RATS/ SULFIDES, chem synthesis

1798. **Johnson AK, Fisher AE:** Taste preferences for sucrose solutions and water under cholinergic and deprivation thirst. Physiol Behav 10:607-12, Mar 73
ANIMAL EXPERIMENTS/ *CARBACHOL, pharmacodynamics/ DRINKING/ *DRINKING BEHAVIOR, drug effects/ FEMALE/ HIPPOCAMPUS, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ RATS/ SEPTUM PELLUCIDUM, drug effects/ SOLUTIONS/ STEREOTAXIC TECHNICS/ SUCROSE/ *TASTE/ THALAMUS, drug effects/ *THIRST/ THIRST, drug effects/ WATER/ *WATER DEPRIVATION

1799. **Johnson AK, Fisher AE:** Tolerance for quinine under cholinergic versus deprivation induced thirst.
Physiol Behav 10:613-6, Mar 73
ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ *DRINKING BEHAVIOR/ DRINKING BEHAVIOR, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ OSMOLAR CONCENTRATION/ *QUININE/ RATS/ SEPTUM PELLUCIDUM, drug effects/ SOLUTIONS/ *TASTE/ THALAMUS, drug effects/ *THIRST/ THIRST, drug effects/ TIME FACTORS/ *WATER DEPRIVATION

1800. **Johnson AR:** The influence of strontium on characteristic factors of bone.
Calcif Tissue Res 11:215-21, 12 Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE DEVELOPMENT, drug effects/ CALCIUM, analysis/ CETYLPYRIDINIUM/ DIET/ FEMUR/ HEXOSAMINES, analysis/ HYDROXYPROLINE, analysis/ MAGNESIUM, analysis/ POTASSIUM, analysis/ RATS/ SPECIFIC GRAVITY/ *STRONTIUM, pharmacodynamics

1801. **Johnson CF:** The single umbilical artery and what it means. A message straight from the navel.
Clin Pediatr (Phila) 12:367-71, Jun 73
ABNORMALITIES, mortality/ *ABNORMALITIES, MULTIPLE/ BIRTH WEIGHT/ BONE AND BONES, abnormalities/ CARDIOVASCULAR SYSTEM, abnormalities/ CENTRAL NERVOUS SYSTEM, abnormalities/ CHROMOSOME ABNORMALITIES/ DERMATOGLYPHICS/ DISEASES IN TWINS/ FETAL DEATH/ GASTROINTESTINAL SYSTEM, abnormalities/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ KARYOTYPING/ RACIAL STOCKS/ RESPIRATORY SYSTEM, abnormalities/ *UMBILICAL ARTERIES, abnormalities/ UROGENITAL SYSTEM, abnormalities

1802. **Johnson GA, Boukma SJ, Lahti RA, et al:** Cyclic AMP and phosphodiesterase in synaptic vesicles from mouse brain. J Neurochem 20:1387-92, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, enzymology/ *BRAIN CHEMISTRY/ CATTLE/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MYOCARDIUM, enzymology/ *PHOSPHODIESTERASES, analysis/ *SYNAPTIC VESICLES, analysis/ SYNAPTIC VESICLES, enzymology/ TRITIUM

1803. **Johnson J:** 'Psychopathia Sexualis'.
Br J Psychiatry 122:211-8, Feb 73
BRAIN DAMAGE, CHRONIC/ FEMALE/ HOMOSEXUALITY, etiology/ HUMAN/ LEARNING/ MALE/ MASOCHISM/ NEURAL TRANSMISSION/ PSYCHOANALYSIS/ REINFORCEMENT (PSYCHOLOGY)/ SADISM/ SEX BEHAVIOR/ *SEX DEVIATION, etiology/ SEX DEVIATION, therapy/ SEX HORMONES, physiology/ SEX OFFENSES/ TRANSSEXUALISM

1804. **Johnson JA, Davis JO:** Effects of a specific competitive antagonist of angiotensin II on arterial pressure and

LIBRARY U. OF I. URBANA-CHAMPAIGN

adrenal steroid secretion in dogs.
Circ Res 32:Suppl 1:159-68, 5 May 73
ADMINISTRATION, ORAL/ *ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, drug effects/ ALANINE, pharmacodynamics/ ALDOSTERONE, blood/ *ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *BLOOD PRESSURE, drug effects/ CONSTRICTION/ CREATININE, blood/ DEXAMETHASONE, pharmacodynamics/ DIURETICS, MERCURIAL, pharmacodynamics/ DOGS/ FEMALE/ HYDROCORTISONE, blood/ POTASSIUM, urine/ RENIN, blood/ SARCOSINE, pharmacodynamics/ SODIUM, urine/ SODIUM CHLORIDE, administration & dosage/ STRUCTURE-ACTIVITY RELATIONSHIP/ VENA CAVA, INFERIOR

1805. **Johnson JH:** Postcastration complications.
Mod Vet Pract 54:49-51, Jul 73
ANESTHESIA, GENERAL, veterinary/ ANIMAL EXPERIMENTS/ CASTRATION, adverse effects/ *CASTRATION, veterinary/ CELLULITIS, etiology/ CELLULITIS, veterinary/ EQUINE INFECTIOUS ANEMIA, etiology/ FEMALE/ HEMORRHAGE, etiology/ HEMORRHAGE, veterinary/ *HORSE DISEASES, etiology/ HORSES/ IMMOBILIZATION/ MALE/ *POSTOPERATIVE COMPLICATIONS, veterinary/ PREGNANCY

1806. **Johnson JW Jr, Odell GB:** Estimation of gestational age in the fetal state.
Annu Rev Med 24:165-74, 1973 (85 ref.)
AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, cytology/ BIRTH WEIGHT/ CREATININE, analysis/ ESTRIOL, urine/ FEMALE/ *FETUS, growth & development/ *GESTATIONAL AGE/ HUMAN/ LABOR, INDUCED/ LABOR, PREMATURE/ LECITHINS, analysis/ PREGNANCY/ PREGNANCY, PROLONGED/ REVIEW/ ULTRASONICS, diagnostic use

1807. **Johnson MA, Fulthorpe JJ, Hudgson P:** Lipid storage myopathy: a recognizable clinicopathological entity?
Acta Neuropathol (Berl) 24:97-106, 18 Apr 73
ADULT/ HUMAN/ LIPIDS, analysis/ *LIPIDS, metabolism/ MALE/ *METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, pathology/ MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, analysis/ MUSCLES, metabolism/ *MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, pathology/ PREDNISONE, therapeutic use

1808. **Johnson P:** Prevention of hyaline membrane disease.
Br Med J 2:660, 16 Jun 73
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ HUMAN/ *HYALINE MEMBRANE DISEASE, prevention & control/ INFANT, NEWBORN/ LABOR, INDUCED/ LUNG, embryology/ PREGNANCY/ SHEEP

1809. **Johnson PR, Stern JS, Greenwood MR, et al:** Effect of early nutrition on adipose cellularity and pancreatic insulin release in the Zucker rat.
J Nutr 103:738-43, May 73
*ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, pathology/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *ANTIGENS/ BODY COMPOSITION/ CELL COUNT/ DIET/ EPIDIDYMIS/ FEMALE/ GENOTYPE/ *INSULIN, secretion/ LACTATION/ LIPIDS, metabolism/ MALE/ *OBESITY/ OBESITY, familial & genetic/ OBESITY, metabolism/ OBESITY, pathology/ *PANCREAS, secretion/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ RETROPERITONEAL SPACE/ SKIN

1810. **Johnson RA:** The luminescence assay of cyclic AMP.
Adv Cyclic Nucleotide Res 2:81-7, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, analysis/ CHROMATOGRAPHY, EXCHANGE/ FLUORESCENCE SPECTROMETRY/ LUCIFERASE/ LUCIFE LUMINESCENCE/ METHODS/ TRITIUM

1811. **Johnson RA, Sutherland EW:** Detergent-disp adenylate cyclase from rat brain. Effects of fluo cations, and chelators.
J Biol Chem 248:5114-21, 25 Jul 73
ACETIC ACIDS, pharmacodynamics/ ADEN CYCLASE, antagonists & inhibitors/ *ADE CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CALCIUM, pharmacodynamics/ *CATIONS, DIVALENT, pharmacodynamics/ CEREBEL enzymology/ *CHELATING AGENTS, pharmacodynamics/ COBALT, pharmacodynamics/ DETERGENTS, pharmacodynamics/ DITHIOTHREITOL, pharmacodynamics/ DRUG STABILITY/ D SYNERGISM/ EDTA, pharmacodynamics/ *FLUORIDES, pharmacodynamics/ GLYCO pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ RATS/ SOLUBILITY/ *SURFACE-ACTIVE AGENTS, pharmacodynamics

1812. **Johnson RH, Park DM:** Effect of change of post blood pressure and plasma renin concentration with spinal transections. Clin Sci 44:539-46,
ADOLESCENCE/ ADULT/ *BLOOD PRESSURE/ FEMALE/ HEART RATE/ HUMAN/ HYPOTENSION, ORTHOSTATIC etiology/ MALE/ MIDDLE AGE/ NECK/ *POSTURE/ *RENIN, blood/ RENIN, secretion/ *SPINAL CORD INJURIES, bl SPINAL CORD INJURIES, complications/ SPINAL CORD INJURIES, physiopatholog SYMPATHETIC NERVOUS SYSTEM, physiology/ THORAX

1813. **Johnson RW, Kenney FT:** Regulation of t aminotransferase in rat liver. XI. Studies relationship of enzyme stability to enzyme turn cultured hepatoma cells.
J Biol Chem 248:4528-31, 10 Jul 73
AMINO ACIDS, metabolism/ AMINO AC pharmacodynamics/ ANTIGEN-ANTIBODY REACTIONS/ CARBON ISOTOPES/ CATALYSIS/ CELLS, CULTURED/ CUL MEDIA/ DRUG STABILITY/ ENZYME INDUCTION/ FLUORINE, pharmacodynar HEAT/ *HEPATOMA, enzymology/ HYDROCORTISONE, pharmacodynamics/ LIVER, enzymology/ *LIVER NEOPLASM enzymology/ PROTEIN DENATURATION RABBITS, immunology/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP TRITIUM/ TRYPTOPHAN, pharmacodyna TYROSINE AMINOTRANSFERASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, metabolism

1814. **Johnson RW, Roberson LE, Kenney FT:** Regul tyrosine aminotransferase in rat liver. Characterization and interconversion of the enzyme forms. J Biol Chem 248:4521-7, 10
ADENOSINE CYCLIC 3',5' MONOPHOSP pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMA EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES CYANATES, pharmacodynamics/ *CYTO enzymology/ ENZYME INDUCTION/ GERM-FREE LIFE/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ LIVER, drug effects *LIVER, enzymology/ MALE/ *POLYRIBOSOMES, enzymology/ POTAS pharmacodynamics/ RABBITS, immunolo RATS/ TRANSLATION, GENETIC/ TRI *TYROSINE AMINOTRANSFERASE/ TYROSINE AMINOTRANSFERASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, isolation & pur

1815. **Johnston AC:** Giant-cell arteritis: ophthal

ystemic considerations.
Can J Ophthalmol 8:38-46, Jan 73
AGE FACTORS/ AGED/ ARTERIAL OCCLUSIVE DISEASES, etiology/ *ARTERITIS, complications/ ARTERITIS, diagnosis/ ARTERITIS, drug therapy/ BIOPSY/ BLINDNESS, etiology/ BLOOD SEDIMENTATION/ DIAGNOSIS, DIFFERENTIAL/ ENDARTERITIS, pathology/ EYE DISEASES, diagnosis/ EYE DISEASES, drug therapy/ *EYE DISEASES, etiology/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/ HUMAN/ MIDDLE AGE/ PAPILLEDEMA, etiology/ POLYMYALGIA RHEUMATICA, etiology/ PREDNISONE, therapeutic use/ RETINAL VESSELS/ TEMPORAL ARTERITIS, pathology

hnston CC Jr: Calcitonin in the treatment of Paget's lisease of bone.
Ann Intern Med 76:665-6, Apr 72 (11 ref.)
ALKALINE PHOSPHATASE, blood/ ANTIBODIES/ HUMAN/ HYDROXYPROLINE, urine/ MITHRAMYCIN, therapeutic use/ *OSTEITIS DEFORMANS, drug therapy/ PARATHYROID HORMONE, blood/ REVIEW/ THYROCALCITONIN, administration & dosage/ THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, therapeutic use

hnston RR, Cromwell TH, Eger EI 2d, et al: The oxicity of fluroxene in animals and man.
Anesthesiology 38:313-9, Apr 73
ADRENAL GLANDS, drug effects/ *ANESTHESIA, INHALATION/ ANESTHESIA, INHALATION, veterinary/ ANIMAL EXPERIMENTS/ BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, drug effects/ CATS/ DEXTRO AMPHETAMINE, pharmacodynamics/ DOGS/ DRUG INTERACTIONS/ FECES/ FLUROXENE, pharmacodynamics/ *FLUROXENE, toxicity/ GASTROINTESTINAL SYSTEM, drug effects/ HEART, drug effects/ HEMATOCRIT/ HUMAN/ INTESTINAL MUCOSA, drug effects/ KIDNEY, drug effects/ LIVER, drug effects/ LUNG, drug effects/ OCCULT BLOOD/ RABBITS/ SPLEEN, drug effects/ SYMPATHOLYTICS, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics

hnston SS, Ware CF: Iris involvement in leukaemia.
Br J Ophthalmol 57:320-4, May 73
ACETAZOLAMIDE, therapeutic use/ ATROPINE, therapeutic use/ CEREBROSPINAL FLUID/ CHILD, PRESCHOOL/ EYE DISEASES, complications/ EYE DISEASES, drug therapy/ FEMALE/ HUMAN/ INTRAOCULAR PRESSURE/ *IRIS/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKOCYTE COUNT/ METHYLPREDNISOLONE, therapeutic use/ PREDNISOLONE, therapeutic use/ UVEITIS, complications

nason KR, Enloe LJ, Contrucci J, et al: Effects of imultaneous and successive septal and amygdaloid esions on social behavior of the rat.
Comp Physiol Psychol 83:54-61, Apr 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ EMOTIONS/ EXPLORATORY BEHAVIOR/ LOCOMOTION/ MALE/ MOTOR ACTIVITY/ NEURAL INTERCONNECTIONS, physiology/ RATS/ *SEPTUM PELLUCIDUM, physiology/ *SOCIAL BEHAVIOR

nes AP, Grimoldby MR: Abortion Act in Somerset.
r Med J 3:90-2, 14 Jul 73
*ABORTION, LEGAL/ ATTITUDE OF HEALTH PERSONNEL/ CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ ENGLAND/ FEMALE/ GENERAL PRACTICE/ HUMAN/ INTRAUTERINE DEVICES/ *LEGISLATION, MEDICAL/ PREGNANCY/ PRIVATE PRACTICE/ REFERRAL AND CONSULTATION/ STATE MEDICINE/ VASECTOMY

nes BR: Livedo with ulceration.
Br J Dermatol 88:202-4, Feb 73
ADULT/ FEMALE/ HUMAN/ *PARONYCHIA, complications/ PARONYCHIA, drug therapy/ PIGMENTATION/ PREDNISONE, therapeutic use/ SKIN, blood supply/ *SKIN ULCER, complications/ SKIN ULCER, drug therapy

1822. **Jones C, Puck TT:** Genetics of somatic mammalian cells. XVII. Induction and isolation of Chinese hamster cell mutants requiring serine.
J Cell Physiol 81:299-303, Jun 73
CELL DIVISION, drug effects/ CELLS, CULTURED/ CLONE CELLS, drug effects/ CULTURE MEDIA/ HAMSTERS/ *MUTATION/ *OVARY, cytology/ *SERINE, pharmacodynamics

1823. **Jones GE, Boyns AR, Cameron EH, et al:** Plasma oestradiol, luteinizing hormone and progesterone during the oestrous cycle in the Beagle bitch.
J Endocrinol 57:331-2, May 73
ANIMAL EXPERIMENTS/ DOGS/ *ESTRADIOL, blood/ *ESTRUS/ FEMALE/ *LH, blood/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY

1824. **Jones GR, Owen-Lloyd P:** Recovery from poisoning by 20 percent paraquat.
Br J Clin Pract 27:69-70, Feb 73
ADOLESCENCE/ ELECTROCARDIOGRAPHY/ HUMAN/ HYDROCORTISONE, therapeutic use/ LUNG, radiography/ MALE/ *PARAQUAT, poisoning/ PARAQUAT, urine/ PENICILLIN, therapeutic use/ PERITONEAL DIALYSIS/ RESPIRATORY FUNCTION TESTS

1825. **Jones J:** Renin and hypertension: a review article.
Cent Afr J Med 19:83-4 passim, Apr 73
ALDOSTERONE, physiology/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ *HYPERTENSION/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ JUXTAGLOMERULAR APPARATUS, physiology/ KIDNEY DISEASES, physiopathology/ RENIN, blood/ *RENIN, physiology/ REVIEW/ SPIRONOLACTONE, therapeutic use/ SYMPATHOLYTICS, therapeutic use

1826. **Jones JH, Holtz WJ, Cragoe EJ Jr:** 6-Substituted 5-chloro-1,3-dihydro-2H-imidazo(4,5-b)pyrazin-2-ones with hypotensive activity.
J Med Chem 16:537-42, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ *ANTIHYPERTENSIVE AGENTS, chem synthesis/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRONCHODILATOR AGENTS, chem synthesis/ BRONCHODILATOR AGENTS, pharmacodynamics/ CATTLE/ DOGS/ IMIDAZOLES, chem synthesis/ IMIDAZOLES, pharmacodynamics/ MYOCARDIUM, enzymology/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PYRAZINES, chem synthesis/ PYRAZINES, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

1827. **Jones RE:** Differential effects of ovine LH and human chorionic gonadotropin on testicular interstitial cells of the lizard Leiolopisma laterale.
Gen Comp Endocrinol 20:567-71, Jun 73
ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ CYTOPLASMIC GRANULES/ EPIDIDYMIS, drug effects/ EPITHELIUM, drug effects/ FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *LH, pharmacodynamics/ *LIZARDS, physiology/ MALE/ SHEEP/ TESTIS, cytology/ *TESTIS, drug effects

1828. **Jones RE, Gerrard AM, Roth JJ:** Endocrine control of clutch size in reptiles. II. Compensatory follicular hypertrophy following partial ovariectomy in Anolis carolinensis.
Gen Comp Endocrinol 20:550-5, Jun 73
ANIMAL EXPERIMENTS/ *CASTRATION/ *GRAAFIAN FOLLICLE, growth & development/ GRAAFIAN FOLLICLE,

LIBRARY U. OF I., URBANA-CHAMPAIGN

physiology/ HEAT/ LIGHT/ LIZARDS/ ORGAN WEIGHT/ *OVARY, physiology

1829. **Jones SE:** Autoimmune disorders and malignant lymphoma. Cancer 31:1092-8, May 73
ADULT/ AGED/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, surgery/ COOMBS' TEST/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ *HODGKIN'S DISEASE, immunology/ HUMAN/ *LYMPHOSARCOMA, immunology/ MALE/ MIDDLE AGE/ *PURPURA, THROMBOPENIC, complications/ *SARCOMA, RETICULUM CELL, immunology/ SPLENECTOMY/ SPLENOMEGALY, complications

1830. **Jones WR, Storey B:** Perinatal aspects of maternal autoimmune disease. Aust Paediatr J 8:306-10, Dec 72
*AUTOIMMUNE DISEASES, congenital/ FEMALE/ HUMAN/ HYPERTHYROIDISM, congenital/ INFANT, NEWBORN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, congenital/ MYASTHENIA GRAVIS, congenital/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PURPURA, THROMBOPENIC, congenital/ SCLERODERMA, SYSTEMIC, congenital

1831. **Jong FH de, Hey AH, Molen HJ van der:** Effect of gonadotrophins on the secretion of oestradiol- and testosterone by the rat testis.
J Endocrinol 57:277-84, May 73
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ *ESTRADIOL, secretion/ FSH, pharmacodynamics/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ RADIOIMMUNOASSAY/ RATS/ SECRETORY RATE, drug effects/ *TESTIS, drug effects/ TESTIS, secretion/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion

1832. **Jonsson G, Sachs C:** Pharmacological modifications of the 6-hydroxy-dopa induced degeneration of central noradrenaline neurons.
Biochem Pharmacol 22:1709-16, 15 Jul 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ CAUDATE NUCLEUS, metabolism/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ MICE/ *NERVE DEGENERATION, drug effects/ NEURONS, physiology/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ TRITIUM

1833. **Joplin GF:** Endocrine bone disease.
Proc R Soc Med 66:447, May 73
*BONE DISEASES, complications/ *ENDOCRINE DISEASES, complications/ HUMAN/ OSTEITIS DEFORMANS, drug therapy/ THYROCALCITONIN, therapeutic use

1834. **Jordan RK, McFarlane B, Scothorne RJ:** An electron microscopic study of the histogenesis of the ultimobranchial body and of the C-cell system in the sheep. J Anat 114:115-36, Jan 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES, embryology/ CELL DIFFERENTIATION/ CELL MEMBRANE/ CYTOPLASMIC GRANULES/ EPITHELIAL CELLS, analysis/ FEMALE/ GESTATIONAL AGE/ GLYCOGEN, analysis/ GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PARATHYROID GLANDS, cytology/ PARATHYROID GLANDS, embryology/ PHARYNX, analysis/ PHARYNX, cytology/ PHARYNX, embryology/ PREGNANCY/ RIBOSOMES/ *SHEEP, embryology/ THYROID GLAND, analysis/ THYROID GLAND, cytology/ THYROID GLAND, embryology/ TRACHEA, analysis/ ULTIMOBRANCHIAL BODY, cytology/ *ULTIMOBRANCHIAL BODY, embryology

1835. **Jorgensen EO, Malkasian GD Jr, Webb MJ, et a**
study evaluating 1,3-bis(2-chloroethyl)-1-nitro
in the treatment of advanced ovarian car
Am J Obstet Gynecol 116:769-70, 15 Jul
CARMUSTINE, administration & dosage/ CARMUSTINE, adverse effects/ *CARMUSTINE, therapeutic use/ CLINI RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeu use/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ OVARIAN NEOPLASM classification/ *OVARIAN NEOPLASMS, therapy/ THROMBOPENIA, chemically induced/ VOMITING, chemic induced

1836. **Jörgensen G:** Die genetische Analyse bei Erkran des Skeletsystems. Genetisches Referat.
Radiologe 13:135-40, Apr 73
ABNORMALITIES, diagnosis/ ABNORMALITIES, DRUG-INDUCED, dia ABNORMALITIES, DRUG-INDUCED, eti ABNORMALITIES, MULTIPLE, familial genetic/ *BONE AND BONES, abnorma *BONE DISEASES, familial & genetic/ CHROMOSOME ABNORMALITIES, diag DIAGNOSIS, DIFFERENTIAL/ ENVIRONMENTAL EXPOSURE/ FEMA GENES, DOMINANT/ GENES, RECESSI GENETIC COUNSELING/ HETEROZYG HOMOZYGOTE/ HUMAN/ MALE/ MUT PEDIGREE/ SEX CHROMOSOMES/ SYNDACTYLIA, familial & genetic/ THALIDOMIDE, adverse effects/ TWIN

1837. **Jorgensen HP, Sondergaard J:** Vascular resp prostanglandin E 1 .
Acta Derm Venereol (Stockh) 53:203-6,
ARM, blood supply/ *BLOOD VESSELS effects/ ERYTHEMA, chemically induc FEMALE/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ ISCHEMIA/ MALE/ PROSTAGLANDINS, administration & *PROSTAGLANDINS, pharmacodynamic REGIONAL BLOOD FLOW/ *SKIN, bl supply/ TACHYPHYLAXIS, drug effec URTICARIA, chemically induced

1838. **Jorgensen PI, Sele V, Buus O, et al:** Detailed studies during and after pregnancy in a p hypophysectomized patient.
Acta Endocrinol (Kbh) 73:117-32, May
ADOLESCENCE/ ADRENAL CORTEX HORMONES, blood/ ADRENAL CORT HORMONES, therapeutic use/ ADREN CORTEX HORMONES, urine/ ADULT/ CORTICOTROPIN, diagnostic use/ ES urine/ FEMALE/ *GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDROCORTISONE, blood/ *HYPOPHYSECTOMY/ 17-KETOSTERO blood/ 17-KETOSTEROIDS, urine/ METYRAPONE, diagnostic use/ OVUL *PREGNANCY/ PREGNANEDIOL, urin

1839. **Jorgensen PI, Sele V:** A case of adre hyperfunction normalized during the s third trimesters of three pregnancies.
Acta Endocrinol (Kbh) 73:105-16, May
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, metabolism/ ADRENAL HORMONES, urine/ *ADRENAL GLA HYPERFUNCTION/ ADRENAL GLAN metabolism/ ADULT/ AMENORRHEA, etiology/ CORTISONE, therapeutic us DEXAMETHASONE, therapeutic use/ ESTRIOL, metabolism/ FEEDBACK/ FETAL DEATH/ HIRSUTISM, etiolog HUMAN/ HYDROCORTISONE, metab HYPERPLASIA, complications/ HYPOTHALAMUS, physiopathology/ 17-KETOSTEROIDS, urine/ MATERN EXCHANGE/ PITUITARY-ADRENAL PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANEDIOL, metabolism/ PREGNANETRIOL, urin FACTORS

Jori A, Caccia S, Salle ED: Tissue catecholamines and daily rhythm of liver microsomal enzyme activity.
Eur J Pharmacol 21:37-40, Jan 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ *CATECHOLAMINES, metabolism/ *CIRCADIAN RHYTHM/ CORPUS STRIATUM, metabolism/ CORTICOSTERONE, blood/ DOPAMINE, metabolism/ FEMALE/ FLUOROMETRY/ HYDROXYDOPAMINE, administration & dosage/ HYDROXYDOPAMINE, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ *MICROSOMES, LIVER, enzymology/ MYOCARDIUM, analysis/ NOREPINEPHRINE, metabolism/ RATS/ SPLEEN, metabolism

Joseph T, Slack C, Gould RP: Gap junctions and electrotonic coupling in foetal rabbit adrenal cortical cells. J Embryol Exp Morphol 29:681-96, Jun 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ MICROSCOPY, ELECTRON/ *RABBITS, embryology

Joshi HS, Raeside JI: Synergistic effects of testosterone and oestrogens on accessory sex glands and sexual behaviour of the boar.
J Reprod Fertil 33:411-23, Jun 73
ANIMAL EXPERIMENTS/ *BULBOURETHRAL GLANDS, drug effects/ CASTRATION/ CITRATES, analysis/ DIETHYLSTILBESTROL, pharmacodynamics/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ FRUCTOSE, analysis/ MALE/ *PROSTATE, drug effects/ SEMEN, analysis/ *SEMINAL VESICLES, drug effects/ *SEX BEHAVIOR, ANIMAL, drug effects/ SWINE/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

Joshi SH: An immunological approach to fertility control. Am J Pharm 145:22-6, Jan 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ *FAMILY PLANNING/ FEMALE/ *GONADS, immunology/ HUMAN/ MALE/ MICE/ *SPERMATOZOA, immunology

Josimovich JB, Levitt MJ, Stevens VC: Comparison of baboon and human placental lactogens.
Endocrinology 93:242-4, Jul 73
ANIMAL EXPERIMENTS/ BABOONS/ CROSS REACTIONS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ MICE/ MONKEYS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, pharmacodynamics/ PSEUDOPREGNANCY, drug effects

Joswig-Priewe H, Joswig EH, Otto K: Orale Ostriolitherapie bei Kolpitis senilis. Klinische und vaginalzytologische Untersuchungen.
Z Allgemeinmed 49:633-7, 10 May 73 (Ger)
ADMINISTRATION, ORAL/ AGED/ *ESTRIOL, administration & dosage/ ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ VAGINAL SMEARS/ VAGINITIS, diagnosis/ *VAGINITIS, drug therapy

Judewicz ND, De Robertis EM Jr, Torres HN: Inhibition of Escherichia coli growth by cyclic adenosine 3', 5'-monophosphate.
Biochem Biophys Res Commun 52:1257-62, 19 Jun 73
ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ GALACTOSIDASE, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ KINETICS/ MALATES, pharmacodynamics/ PYRUVATES, pharmacodynamics/ SUCCINATES, pharmacodynamics

1847. Julé Y, Gonella J: Modifications de l'activité électrique du côlon terminal de lapin par stimulation des fibres nerveuses pelviennes et sympathiques.
J Physiol (Paris) 64:599-621, 1972 (Fre)
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ COLON, drug effects/ COLON, innervation/ *COLON, physiology/ ELECTRIC STIMULATION/ ELECTROMYOGRAPHY/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ GASTROINTESTINAL MOTILITY/ IN VITRO/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PRESSURE/ RABBITS/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS

1848. Juráni M, Murgaš K, Mikulaj L, et al: Effect of stress and environmental temperature on adrenal function in Rana esculenta. J Endocrinol 57:385-91, Jun 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ FROGS/ IMMOBILIZATION/ KIDNEY, analysis/ MALE/ NOREPINEPHRINE, analysis/ *RANA ESCULENTA, physiology/ *STRESS/ *TEMPERATURE

1849. Jurkovič I, Melich O, Frič I: Patológia placenty u metrorágií v II. polovici tehotnosti.
Cesk Gynekol 38:338-9, Jun 73 (Slo)
FEMALE/ GESTATIONAL AGE/ HUMAN/ *METRORRHAGIA, pathology/ *PLACENTA, pathology/ PLACENTA DISORDERS, etiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, pathology/ TIME FACTORS

K

1850. Kabara JJ: Brain cholesterol. XVI. Incorporation of different precursors into baboon tissue sterol.
Lipids 8:56-60, Feb 73
ACETATES, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BABOONS/ BRAIN, metabolism/ CARBON ISOTOPES/ CEREBELLUM, metabolism/ *CHOLESTEROL, biosynthesis/ CHOLESTEROL, blood/ FASTING/ GLUCOSE, metabolism/ LIVER, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ MONKEYS/ *NERVE TISSUE, metabolism/ PITUITARY GLAND, metabolism/ PONS, metabolism/ SPINAL CORD, metabolism/ STEROLS, biosynthesis/ TRITIUM

1851. Kadota K, Kadota T: A nucleoside diphosphate phosphohydrolase present in a coated-vesicle fraction from synaptosomes of guinea-pig whole brain.
Brain Res 56:371-6, 29 Jun 73
ADENOSINE DIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CYTIDINE, metabolism/ CYTOSINE NUCLEOTIDES, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ GUINEA PIGS/ INOSINE NUCLEOTIDES, metabolism/ PHOSPHATASES, metabolism/ *SYNAPTIC VESICLES, enzymology/ SYNAPTOSOMES, enzymology/ THIAMINE PYROPHOSPHATE, metabolism

1852. Kahl A: Receptory hormonów sterydowych.
Postepy Biochem 19:171-93, 1973 (Pol)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL CORTEX HORMONES, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, physiology/ CELL NUCLEUS, enzymology/ CHROMATIN, physiology/ CYTOPLASM, physiology/ CYTOSOL, physiology/ DEOXYRIBONUCLEASE, metabolism/ ESTRADIOL, metabolism/ FEMALE/ GENES/ HUMAN/ MALE/ MICE/ PHENOTYPE/ PROGESTERONE, metabolism/ PROSTATE, physiology/ *RECEPTORS, HORMONE/ RNA, RIBOSOMAL, biosynthesis/ SEMINAL

LIBRARY U. OF I., URBANA-CHAMPAIGN

VESICLES, physiology/ *STEROIDS/ UTERUS, physiology

1853. **Kahri AI:** Inhibition of ACTH-induced differentiation of cortical cells and their mitochondria by corticosterone in tissue culture of fetal rat adrenals.
Anat Rec 176:253-71, Jul 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, growth & development/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ CELL NUCLEOLUS/ CELL NUCLEUS/ CHROMATIN/ *CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, antagonists & inhibitors/ CYCLOHEXIMIDE, pharmacodynamics/ FETUS/ GOLGI APPARATUS/ *MITOCHONDRIA, drug effects/ MITOCHONDRIA, growth & development/ RATS/ RIBOSOMES, drug effects/ TIME FACTORS/ TISSUE CULTURE

1854. **Kaiser H:** Prophylaxe des Cortison-Ulkus durch Antacida.
Dtsch Med Wochenschr 98:1351, 6 Jul 73 (Ger)
ALUMINUM HYDROXIDE GEL, administration & dosage/ *ANTACIDS, administration & dosage/ CORTISONE, adverse effects/ HUMAN/ PEPTIC ULCER, chemically induced/ *PEPTIC ULCER, prevention & control

1855. **Kaiser HE:** Vergleichende Untersuchungen über die Knochenstuktur der Pinnipedia. Uber die Knochenstruktur des Skeletts vom Walross, Odobenus rosmarus L. 2.
Anat Anz 131:454-65, 1972 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BONE AND BONES, anatomy & histology/ BONE DEVELOPMENT/ ENGLISH ABSTRACT/ EXTREMITIES, anatomy & histology/ FEMUR, anatomy & histology/ FIBULA, anatomy & histology/ HUMERUS, anatomy & histology/ PELVIC BONES, anatomy & histology/ *PINNIPEDIA, anatomy & histology/ RADIUS, anatomy & histology/ RIBS, anatomy & histology/ SCAPULA, anatomy & histology/ SCAPULA, radiography/ SPINE, anatomy & histology/ TIBIA, anatomy & histology/ ULNA, anatomy & histology

1856. **Kaiser W, Schmidt GA:** Zur Frage von Nebenwirkungen bei langfristiger Dihydrotachysterin-Substitutionsbehandlung.
Z Gesamte Inn Med 28:117-8, 15 Apr 73 (Ger)
*DIHYDROTACHYSTEROL, adverse effects/ DIHYDROTACHYSTEROL, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, chemically induced/ HYPOPARATHYROIDISM, drug therapy/ LONG TERM CARE/ TIME FACTORS

1857. **Kaissling B:** Histologische und histochemische Untersuchungen an semidünnen Schnitten.
Gegenbaurs Morphol Jahrb 119:1-13, 1973 (Ger)
ANIMAL EXPERIMENTS/ CHROMATES/ DIMETHYL SULFOXIDE/ ENGLISH ABSTRACT/ EPOXY RESINS/ HISTOCYTOCHEMISTRY/ *HISTOLOGICAL TECHNICS/ IRON/ KIDNEY, anatomy & histology/ RATS/ STAINS AND STAINING/ THYROID GLAND, anatomy & histology

1858. **Kaiutov EG, Dmitrieva EN:** Kolichestvennaia i kachestvennaia kharakteristika polovogo khromatina u zhenshchin razlichnogo vozrasta.
Tsitologiia 15:344-6, Mar 73 (Rus)
AGE FACTORS/ CELL NUCLEUS, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MICROSCOPY/ *SEX CHROMATIN, analysis/ VAGINAL SMEARS

1859. **Kalamaras E, Lekovski G, Kediovski M, et al:** Prognostičko značenje na imuno-heniskoto semikvantitativnoto odreduvanje na urinarniot HCG vo raniot graviditet.
God Zb Med Fak Skopje 18:157-62, 1972 (Ser)
FEMALE/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY TESTS, IMMUNOLOGIC/ PROGNOSIS/ FACTORS

1860. **Kalantaevskaia KA, Bol'shakova VV, Marinia** lechenii parapsoriaza.
Vestn Dermatol Venerol 47:55-8, Apr 73
ADOLESCENCE/ ADULT/ ASCORBIC A therapeutic use/ CALCIUM, therapeutic CHLOROQUINE, therapeutic use/ ENGL ABSTRACT/ FEMALE/ GLUCOCORTICO therapeutic use/ GLUCOSE, therapeutic HUMAN/ MALE/ MIDDLE AGE/ NICO ACID, therapeutic use/ *PARAPSORIAS therapy/ RUTIN, therapeutic use/ ULTRAVIOLET THERAPY

1861. **Kalbhen DA, Fischer W:** Pharmakologisch Untersuchungen zur entzündungshemmen Wirkung von Pentosampolysulfat (SP 54 Kombination mit anderen Analgetika-Antiphlogistika.
Arzneim Forsch 23:712-8, May 73
ACETAMINOPHEN, therapeutic use/ A ACIDS/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, ther use/ DEXAMETHASONE, therapeutic u DRUG COMBINATIONS/ DRUG SYNER EDEMA, chemically induced/ *EDEMA, therapy/ ENGLISH ABSTRACT/ MALE PHENYLBUTAZONE, therapeutic use/ *POLYSACCHARIDES, therapeutic use/ PYRAZOLES, therapeutic use/ RATS/ SALICYLAMIDES, therapeutic use/ SU ACIDS

1862. **Kaliner M, Wasserman SI, Austen KF:** Imm release of chemical mediators from hum polyps. N Engl J Med 289:277-81, 9 A
ADENOSINE CYCLIC 3',5' MONOPHOS analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics ALLERGENS, pharmacodynamics/ ANAPHYLAXIS/ BUTYRATES, analysi BUTYRATES, pharmacodynamics/ CARBACHOL, pharmacodynamics/ CHEMOTAXIS/ CHOLERA/ CYSTIC FI immunology/ DEPRESSION, CHEMICAL ENTEROTOXINS, pharmacodynamics/ *EOSINOPHILS, immunology/ HAY FE immunology/ *HISTAMINE LIBERATIO HUMAN/ *HYPERSENSITIVITY, IMME immunology/ IMMUNIZATION/ IN VIT ISOPROTERENOL, pharmacodynamics/ POLYPS, immunology/ PASSIVE TRA PHENYLEPHRINE, pharmacodynamics/ POLLEN/ PROPRANOLOL, pharmacod SINUSITIS, immunology/ *SRS-A, secr STIMULATION, CHEMICAL

1863. **Kalinin AP, Ermulovich IaV, Odinokova VA** mnogokratno retsidiviruiushchem zobe.
Khirurgiia (Mosk) 48:11-6, Sep 72
ADULT/ AGED/ ENGLISH ABSTRACT FEMALE/ *GOITER, therapy/ HUMAN MALE/ MIDDLE AGE/ RECURRENCE

1864. **Kaloyanides GJ, Bastron RD, DiBona GF:** ureteral clamping and increased renal pressure on renin release.
Am J Physiol 225:95-9, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PR CONSTRICTION/ DOGS/ *KIDNEY, metabolism/ *KIDNEY TUBULES, inn KIDNEY TUBULES, DISTAL, innervat *PRESSORECEPTORS, physiology/ *RE ARTERY, innervation/ *RENIN, metab URETER, physiology/ *VASOMOTOR S physiology

1865. **Kamat MR, Mehta AR:** Testicular tumours with undescended testes. A retrospective s cases. Indian J Cancer 10:31-5, Mar 7
ADOLESCENCE/ ADULT/ AGED/ CH *CRYPTORCHISM, complications/ HUM MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RETROSPECTIVE STU *TESTICULAR NEOPLASMS, complica TESTICULAR NEOPLASMS, etiology/ TESTICULAR NEOPLASMS, mortality TESTICULAR NEOPLASMS, occurrenc

TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, therapy

Kaminskaia IuS, Radchik RB, Sidorova TG: Ob etiologii psevdotumora glaznitsy.
Vestn Oftalmol 2:83-5, Mar-Apr 72 **(Rus)**
ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, etiology/ *EYE DISEASES, diagnosis/ *EYE NEOPLASMS, diagnosis/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

Kamoun A: Taux de clearance métabolique et taux de sécrétion de la corticostérone en fonction de la qualité des protéines alimentaires chez le jeune rat.
J Physiol (Paris) 65:Suppl 3:427A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *CORTICOSTERONE, metabolism/ *DIETARY PROTEINS/ HALF-LIFE/ LYSINE/ MALE/ METABOLIC CLEARANCE RATE/ MILK PROTEINS/ RATS/ SECRETORY RATE/ WHEAT

Kandaswami C, Vaidyanathan CS: Oxidation of catechol in plants. 3. Purification and properties of the diphenylene dioxide 2,3-quinone-forming enzyme system from Tecoma leaves.
Arch Biochem Biophys 155:247-57, Apr 73
CARBON MONOXIDE, pharmacodynamics/ CATALASE, pharmacodynamics/ *CATECHOL, metabolism/ CATIONS, DIVALENT/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ COPPER/ DIALYSIS/ *DIOXINS, metabolism/ DIPHENOL OXIDASES, isolation & purification/ *DIPHENOL OXIDASES, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ IRON, pharmacodynamics/ KINETICS/ LIVER, enzymology/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ *PLANTS, enzymology/ PROTEIN DENATURATION/ *QUINONES, metabolism/ SPECTROPHOTOMETRY/ SULFHYDRYL REAGENTS, pharmacodynamics/ TEMPERATURE/ THIOUREA, pharmacodynamics/ TIME FACTORS

Kanematsu S, Sawyer CH: Elevation of plasma prolactin after hypophysial stalk section in the rat.
Endocrinology 93:238-41, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ IODINE ISOTOPES/ *PITUITARY GLAND, physiology/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

Kaniaris P, Galanopoulou T, Varonos D: Effects of succinylcholine on plasma 5-HT levels.
Anesth Analg (Cleve) 52:425-7, May-Jun 73
ADULT/ AGED/ ANESTHESIA, INTRAVENOUS/ FEMALE/ HUMAN/ MIDDLE AGE/ MUSCULAR DISEASES, chemically induced/ PAIN, chemically induced/ *SEROTONIN, blood/ SUCCINYLCHOLINE, administration & dosage/ SUCCINYLCHOLINE, pharmacodynamics/ SURGERY, OPERATIVE/ THIOPENTAL, administration & dosage

Kann G, Habert R, Denamur R: Concentrations plasmatiques de la prolactine et de l'hormone tryréostimulante au cours de la traite des brebis: comparaison avec les effets du TR.
C R Acad Sci [D] (Paris) 276:1321-4, 19 Feb 73 **(Fre)**
ANIMAL EXPERIMENTS/ INJECTIONS, INTRAVENOUS/ *LACTATION/ LACTATION, drug effects/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ *SHEEP/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

Kantorova VI: The role of the dura mater in induced regeneration of cranial vault bones.
Sov J Dev Biol 3:371-6, Sep-Oct 72
ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ *BONE REGENERATION/ CALCIFICATION, PHYSIOLOGIC/ DOGS/ DURA MATER, metabolism/ *DURA MATER, physiology/ FEMALE/ MALE/ OSTEOGENESIS/ *PARIETAL BONE, physiology/ SKULL, anatomy & histology/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

1873. **Kapitola J:** Contemporary notions on the blood flow through the thyroid gland.
Endocrinol Exp (Bratisl) 7:147-58, 1973
ANIMAL EXPERIMENTS/ *BLOOD FLOW VELOCITY/ CARDIAC OUTPUT, drug effects/ FEMALE/ MALE/ MUSCLE TONUS, drug effects/ RATS/ SEASONS/ TEMPERATURE/ *THYROID GLAND, blood supply/ THYROTROPIN, pharmacodynamics

1874. **Kapitola J, Schüllerová M, Willant A:** Kaptace radioaktivního rubidia 86 Rb a místní průtok krve v tukových tkáních krys intaktních, při pokusné hypertyreóze a omezeném přívodu potravy.
Sb Lek 75:206-14, Jul 73 **(Cze)**
*ADIPOSE TISSUE, blood supply/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYPERTHYROIDISM, metabolism/ MALE/ RADIOISOTOPES, metabolism/ RATS/ REGIONAL BLOOD FLOW/ *RUBIDIUM, metabolism/ *STARVATION, metabolism

1875. **Kaplan EL, Sizemore GW, Peskin GW, et al:** Humoral similarities of carcinoid tumors and medullary carcinomas of the thyroid. Surgery 74:21-9, Jul 73
ADULT/ AGED/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ CARCINOID TUMOR, blood/ *CARCINOID TUMOR, metabolism/ CUSHING'S SYNDROME, etiology/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ KALLIKREIN, secretion/ MAGNESIUM, pharmacodynamics/ MALE/ MIDDLE AGE/ NEOPLASMS/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ PROSTAGLANDINS, secretion/ SEROTONIN, secretion/ THYROCALCITONIN, secretion/ THYROID NEOPLASMS, blood/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, metabolism

1876. **Kaplan ML, Murphy SD, Gilles FH:** Modification of acrylamide neuropathy in rats by selected factors.
Toxicol Appl Pharmacol 24:564-70, Apr 73
ACRYLAMIDES, metabolism/ *ACRYLAMIDES, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AGE FACTORS/ ANIMAL EXPERIMENTS/ DDT, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HEXOBARBITAL/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LIVER, metabolism/ MALE/ MICROSOMES, LIVER, enzymology/ MOTOR ACTIVITY, drug effects/ MYELIN SHEATH, drug effects/ NEURONS, cytology/ OXIDOREDUCTASES, metabolism/ *PERIPHERAL NERVES, drug effects/ PERIPHERAL NERVES, metabolism/ PHENOBARBITAL, pharmacodynamics/ PROADIFEN, pharmacodynamics/ PYRIDOXINE DEFICIENCY/ RATS/ THIAMINE DEFICIENCY/ TIME FACTORS

1877. **Kaplicki M, Kozlowska I, Weiss B:** Ostra niewydolność nerek w przebiegu ostrej niedomogi kory nadnerczy po leczeniu sterydami.
Wiad Lek 26:861-4, 1 May 73 **(Pol)**
ACUTE DISEASE/ *ADRENAL GLAND DISEASES, chemically induced/ ADRENAL GLAND DISEASES, complications/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY FAILURE, ACUTE, etiology/ MULTIPLE SCLEROSIS, drug therapy/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

1878. **Kapp LN, Remington JA, Kleveer RR:** Induction of serine dehydratase activity by cyclic AMP is restricted to S phase in synchronized CHO cells.
Biochem Biophys Res Commun 52:1206-12, 19 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CLONE CELLS/ DNA, biosynthesis/ ENZYME INDUCTION/ FEMALE/ HAMSTERS/ KINETICS/ LACTATE DEHYDROGENASE, metabolism/ MITOSIS/ MITOSIS, drug effects/

LIBRARY U. OF I., URBANA-CHAMPAIGN

OVARY, drug effects/ *OVARY, enzymology/ OVARY, metabolism/ *SERINE DEHYDRATASE, biosynthesis/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

1879. **Kappus H, Bolt HM, Remmer H:** Affinity of ethynyl-estradiol and mestranol for the uterine estrogen receptor and for the microsomal mixed function oxidase of the liver.
J Steroid Biochem 4:121-8, Mar 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CHLORMADINONE, pharmacodynamics/ *ETHINYL ESTRADIOL, metabolism/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ *HYDROXYLASES/ HYDROXYLASES, antagonists & inhibitors/ KINETICS/ LYNESTRENOL, pharmacodynamics/ MALE/ *MESTRANOL, metabolism/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ NORETHYNODREL, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RABBITS/ *RECEPTORS, HORMONE/ TRITIUM/ *UTERUS, metabolism

1880. **Kapur BM, Rao BN, Purkayastha PK:** Evaluation of different doses of dexamethasone in canine endotoxin shock. Indian J Med Res 60:1205-12, Aug 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CENTRAL VENOUS PRESSURE/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ DIURESIS/ DOGS/ HEMATOCRIT/ HYDROGEN-ION CONCENTRATION/ SHOCK, ENDOTOXIC, blood/ *SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, mortality/ SHOCK, ENDOTOXIC, physiopathology

1881. **Karasawa T, Funakoshi H, Furukawa K, et al:** EDTA prevents the photocatalyzed destruction of the products of catecholamine oxidation.
Anal Biochem 53:278-81, May 73
ALCOHOL, ETHYL/ *CATECHOLAMINES/ CATECHOLAMINES, analysis/ CHEMISTRY/ *EDTA/ FLUORESCENCE SPECTROMETRY/ *INDOLES/ IODINE/ KINETICS/ METHODS/ NOREPINEPHRINE/ OXIDATION-REDUCTION/ PHOTOLYSIS

1882. **Karchmer S, Shor V, Díaz Infante JS, et al:** Estudio del volumen del líquido amniótico durante el ultimo trimestre en el embarazo normal.
Ginecol Obstet Mex 33:399-405, Apr 73 (Spa)
*AMNIOTIC FLUID/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ TIME FACTORS

1883. **Karim SM, Carter DC, Bhana D, et al:** Effect of orally administered prostaglandin E 2 and its 15-methyl analogues on gastric secretion.
Br Med J 1:143-6, 20 Jan 73
ADMINISTRATION, ORAL/ DEPRESSION, CHEMICAL/ ESTERS, pharmacodynamics/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ HUMAN/ MALE/ PEPTIC ULCER, drug therapy/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics

1884. **Karle H, Ernst P, Killmann SA:** Changing cytokinetic patterns of human leukaemic lymphoblasts during the course of the disease, studied in vivo.
Br J Haematol 24:231-44, Feb 73
ADULT/ BONE MARROW CELLS/ DNA, biosynthesis/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ LEUKOCYTE COUNT/ *LYMPHOCYTES/ LYMPHOCYTES, metabolism/ MALE/ MERCAPTOPURINE, therapeutic use/ MITOSIS/ PREDNISONE, therapeutic use/ SPECTROPHOTOMETRY/ THYMIDINE/ TIME FACTORS/ TRITIUM

1885. **Karli P:** Role du système limbique dans le déterminisme physiologique de la réactivité émotionnelle et sociale.
Actual Pharmacol (Paris) 25:61-90, 1972 (12

ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *EMOTIONS/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, anatomy & histology/ *LIMBIC SYSTEM, physiology/ MICE/ MONKEYS/ PERCEPTION/ RATS/ REVIEW/ *SOCIAL BEHAVIOR

1886. **Karlson AG:** Mycobacteria of surgical intere
Surg Clin North Am 53:905-12, Aug 73
ABDOMEN, microbiology/ ANIMAL EXPERIMENTS/ BONE AND BONES, microbiology/ CATTLE/ HUMAN/ JOINTS, microbiology/ LUNG, microbiology/ LUNG, pathology/ LYMPH NODES, microbiology/ MALE/ MICROBIAL SENSITIVITY TESTS/ *MYCOBACTERIUM/ MYCOBACTERIUM, classification/ MYCOBACTERIUM BOVIS, isolation & purification/ MYCOBACTERIUI INFECTIONS, diagnosis/ MYCOBACTERIUI INFECTIONS, etiology/ MYCOBACTERIUM INFECTIONS, pathology/ MYCOBACTERIU TUBERCULOSIS, isolation & purification/ NOMENCLATURE/ TIME FACTORS/ TUBERCULOSIS, drug therapy/ TUBERCULOSIS, BOVINE, drug therapy/ UTERUS, microbiology

1887. **Karsch FJ, Dierschke DJ, Knobil E:** Sexua differentiation of pituitary function: appar difference bewteen primates and rodents.
Science 179:484-6, 2 Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ DELAYED-ACTION PREPARATIONS/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE LH, blood/ *LH, secretion/ MACACA/ M MONKEYS/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ RATS/ *SEX CHARACTERIST

1888. **Karsch FJ, Weick RF, Butler WR, et al:** Induc surges in the rhesus monkey: strength-du characteristics of the estrogen stimulus.
Endocrinology 92:1740-7, Jun 73
ANIMAL EXPERIMENTS/ CAPSULES/ DOSE-RESPONSE RELATIONSHIP, DRUG ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ IODINE ISOTOPES/ *LH, blood/ MACACA/ MONKEYS/ RADIOIMMUNOASSAY/ TIM FACTORS

1889. **Karst F, Lacroute F:** Isolation of pleiotropic mutants requiring ergosterol for growth.
Biochem Biophys Res Commun 52:741-7, 8
CARBON ISOTOPES/ CHROMATOGRAPH THIN LAYER/ ERGOSTEROL, metabolis GENETIC COMPLEMENTATION TEST/ HYBRIDIZATION/ METHIONINE, metabo MUTATION/ OLEIC ACID/ PHENOTYPE *SACCHAROMYCES CEREVISIAE, isolati purification/ *VITAMIN D, metabolism

1890. **Käser H:** Biochemische Diagnostik des Phäochromocytoms, des Neuroblastoms und a neuro-ektodermaler Neoplasien.
Helv Paediatr Acta 29:Suppl 29:1-114, 1972
ADOLESCENCE/ ADULT/ CATECHOLAM biosynthesis/ *CATECHOLAMINES, urine CHILD/ CHILD, PRESCHOOL/ DOPA, u DOPAMINE, urine/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ GANGLIONEUROMA, urine/ GLYCOLS, HISTOCYTOCHEMISTRY/ HUMAN/ INF MALE/ MELANOMA, urine/ METHODS/ MIDDLE AGE/ NEOPLASMS, urine/ NERVOUS SYSTEM DISEASES, urine/ *NERVOUS SYSTEM DISEASES, urine/ *NEUROBLASTOMA, urine/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, pathology/ *PHEOCHROMOCYTOMA, urine/ *SYMPATHETIC NERVOUS SYSTEM/

TYRAMINE, urine/ TYROSINE, urine/ VANILMANDELIC ACID, urine

asili EG, Cameron HM, Ruberti RF, et al: Histopathology of brain tumours in the African in Kenya. Afr J Med Sci 4:99-106, Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ASTROCYTOMA/ BRAIN NEOPLASMS, occurrence/ *BRAIN NEOPLASMS, pathology/ CHILD/ CRANIOPHARYNGIOMA/ EPENDYMOMA/ FEMALE/ HUMAN/ KENYA/ MALE/ MEDULLOBLASTOMA/ MENINGIOMA/ MIDDLE AGE/ NEOPLASMS, VASCULAR TISSUE/ NEURILEMMOMA/ PINEALOMA/ PITUITARY NEOPLASMS/ SEX FACTORS

astin AJ, Miller MC, Ferrell L, et al: General activity n intact and hypophysectomized rats after dministration of melanocyte-stimulating hormone MSH), melatonin, and PRO-LEU-GLY-NH 2 Physiol Behav 10:399-401, Feb 73
ANIMAL EXPERIMENTS/ GLYCINE, pharmacodynamics/ HYPOPHYSECTOMY/ LEUCINE, pharmacodynamics/ *LOCOMOTION, drug effects/ MALE/ *MELATONIN, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ *MSH, pharmacodynamics/ MSH, secretion/ *OLIGOPEPTIDES, pharmacodynamics/ PEPTIDES/ PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PROLINE, pharmacodynamics/ RATS

ato Y, Dupre J, Beck JC: Plasma growth hormone in he anesthetized rat. Effects of dibutyryl cyclic AMP, rostaglandin E 1 , adrenergic agents, vasopressin, hlorpromazine, amphetamine and L-dopa. Endocrinology 93:135-46, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHLORPROMAZINE, antagonists & inhibitors/ CHLORPROMAZINE, pharmacodynamics/ DOPA, pharmacodynamics/ IODINE ISOTOPES/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHAMPHETAMINE, antagonists & inhibitors/ METHAMPHETAMINE, pharmacodynamics/ PHENTOLAMINE, antagonists & inhibitors/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, blood/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics

ato Y, Lian KO, Dupre J, et al: Observations on the ontrol and release of growth hormone in plasma. ft Sinai J Med NY 40:382-401, May-Jun 73 (101 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DOPA, pharmacodynamics/ HYPOTHALAMUS, secretion/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHAMPHETAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *SOMATOTROPIN, blood/ SOMATOTROPIN, pharmacodynamics/ SOMATOTROPIN, secretion/ STRESS, physiopathology/ TIME FACTORS/ VASOPRESSIN, pharmacodynamics

tocs AS Jr, Largis EE, Allen DO, et al: Perifused fat ells. Effect of lipolytic agents.
Biol Chem 248:5089-94, 25 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPIDIDYMIS/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLYCERIN, metabolism/ ISOPROTERENOL, pharmacodynamics/ *LIPIDS, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ RATS/ SEROTONIN, pharmacodynamics/ SERUM ALBUMIN, BOVINE, administration & dosage/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ THEOPHYLLINE, administration & dosage/ THEOPHYLLINE, pharmacodynamics/ THYROTROPIN, pharmacodynamics

1896. Katz AD, Kaplan L: Parathyroidectomy for hyperplasia in renal disease. Arch Surg 107:51-5, Jul 73
ADOLESCENCE/ ADULT/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ HYPERPLASIA/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ METHODS/ MIDDLE AGE/ PARATHYROID DISEASES, etiology/ *PARATHYROID DISEASES, surgery/ *PARATHYROID GLANDS, surgery/ TRANSPLANTATION, HOMOLOGOUS

1897. Katz AM: Biochemical "defect" in the hypertrophied and failing heart: deleterious or compensatory? Circulation 47:1076-9, May 73 (21 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CORONARY DISEASE, drug therapy/ DIGITALIS GLYCOSIDES, therapeutic use/ *HEART ENLARGEMENT, metabolism/ HEART FAILURE, CONGESTIVE, drug therapy/ *HEART FAILURE, CONGESTIVE, metabolism/ HEMODYNAMICS/ HUMAN/ *MYOCARDIUM, metabolism/ MYOSIN, metabolism/ NECROSIS/ NOREPINEPHRINE, metabolism/ OXYGEN CONSUMPTION/ PHOSPHOCREATINE, metabolism/ PROPRANOLOL, adverse effects/ PROPRANOLOL, therapeutic use/ REVIEW

1898. Katz J: Gastrointestinal hormones.
Med Clin North Am 57:893-905, Jul 73 (96 ref.)
AMINO ACID SEQUENCE/ AUTONOMIC NERVOUS SYSTEM, physiology/ CHOLECYSTOKININ, physiology/ CHOLECYSTOKININ, secretion/ GASTRIC JUICE, physiology/ GASTRIC JUICE, secretion/ GASTRIN, physiology/ GASTRIN, secretion/ *GASTROINTESTINAL HORMONES, physiology/ GASTRONE, physiology/ GASTRONE, secretion/ GLUCAGON, physiology/ GLUCAGON, secretion/ HUMAN/ MUCOPOLYSACCHARIDES, physiology/ MUCOPOLYSACCHARIDES, secretion/ PANCREOZYMIN, physiology/ PANCREOZYMIN, secretion/ RADIOIMMUNOASSAY/ RECEPTORS, HORMONE/ REVIEW/ SECRETIN, physiology/ SECRETIN, secretion

1899. Katz J: Gastrointestinal hormones.
Med Clin North Am 57:893-905, Jul 73 (96 ref.)
AMINO ACID SEQUENCE/ AUTONOMIC NERVOUS SYSTEM, physiology/ GASTRIC JUICE, physiology/ GASTRIC JUICE, secretion/ GASTRIN, physiology/ GASTRIN, secretion/ *GASTROINTESTINAL HORMONES, physiology/ GASTRONE, physiology/ GASTRONE, secretion/ GLUCAGON, physiology/ GLUCAGON, secretion/ HUMAN/ MUCOPOLYSACCHARIDES, physiology/ MUCOPOLYSACCHARIDES, secretion/ PANCREOZYMIN, physiology/ PANCREOZYMIN, secretion/ RADIOIMMUNOASSAY/ RECEPTORS, HORMONE/ REVIEW/ SECRETIN, physiology/ SECRETIN, secretion

1900. Katz L, Kingsbury DT, Helinski DR: Stimulation by

LIBRARY U. OF I., URBANA-CHAMPAIGN

cyclic adenosine monophosphate of plasmid deoxyribonucleic acid replication and catabolite repression of the plasmid deoxyribonucleic acid-protein relaxation complex.
J Bacteriol 114:577-91, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *BACTERIAL PROTEINS, biosynthesis/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ COLICINS, biosynthesis/ CULTURE MEDIA/ *DNA, BACTERIAL, biosynthesis/ *DNA REPLICATION, drug effects/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ EXTRACHROMOSOMAL INHERITANCE/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ HEAT/ *NUCLEOPROTEINS, biosynthesis/ THYMIDINE, metabolism/ TRITIUM

1901. **Katz SE, Hecht NB:** A rapid technique to resolve and partially purify multiple DNA polymerases from a crude extract. Anal Biochem 53:441-4, Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *DNA NUCLEOTIDYL- TRANSFERASES, isolation & purification/ MALE/ MICE/ *TESTIS, enzymology/ TRITIUM

1902. **Kaufman L, Shames D, Powell M:** An absorption correction technique for in vivo iodine quantitation by fluorescent excitation.
Invest Radiol 8:167-9, May-Jun 73
ABSORPTION/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *IODINE, analysis/ *LIVER, analysis/ *THYROID GLAND, analysis

1903. **Kaufman RL:** Birth defects and oral contraceptives.
Lancet 1:1396, 16 Jun 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ PREGNANCY TESTS

1904. **Kaufman S, Goldstein M:** Combination chemotherapy in disseminated carcinoma of the breast.
Surg Gynecol Obstet 137:83-6, Jul 73
ADULT/ AGED/ *BREAST NEOPLASMS, drug therapy/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ FEMALE/ *FLUOROURACIL, administration & dosage/ FLUOROURACIL, therapeutic use/ HUMAN/ *METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ REMISSION/ TIME FACTORS/ *VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

1905. **Kavan EM, Julien RM, Elliott HW:** Central nervous system effects of althesin (CT 1341): a new steroid anaesthetic agent. Can Anaesth Soc J 20:528-38, Jul 73
ACETIC ACIDS, pharmacodynamics/ ANESTHESIA/ *ANESTHETICS, pharmacodynamics/ *BRAIN, drug effects/ DRUG COMBINATIONS/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ HISTORY OF MEDICINE, 19TH CENT./ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, pharmacodynamics/ PREGNANES, administration & dosage/ *PREGNANES, pharmacodynamics

1906. **Kawakami M, Terasawa E, Kimura F, et al:** Modulating effect of limbic structures on gonadotropin release.
Neuroendocrinology 12:1-16, 1973
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *ESTRUS/ FEMALE/ *FSH, secretion/ HIPPOCAMPUS, physiology/ LH, blood/ *LH, secretion/ *LIMBIC SYSTEM, physiology/ OVULATION/ *PITUITARY GLAND, secre PROLACTIN, blood/ RADIOIMMUNOASSA RATS/ SUPERIOR COLLICULUS, physiolo UNITED STATES PUBLIC HEALTH SERV blood

1907. **Kawamura H, Hatano Y, Ito Y:** An adenovirus iso from kidney cell culture of apparently normal p Natl Inst Anim Health Q (Tokyo) 12:173-82, Win
ADENOVIRUS, drug effects/ ADENOVIRU growth & development/ ADENOVIRUS, immunology/ *ADENOVIRUS, isolation & purification/ ANIMAL EXPERIMENTS/ CATTLE/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT CROSS REACTIONS/ ETHYL ETHER, pharmacodynamics/ FLUORESCENT ANTIBODY TECHNIC/ HEMAGGLUTINAT TESTS/ IDOXURIDINE, pharmacodynamics KIDNEY/ MALE/ MICROSCOPY, ELECTR NEUTRALIZATION TESTS/ PRECIPITIN TESTS/ SODIUM, pharmacodynamics/ *SV TESTIS/ TRYPSIN, pharmacodynamics/ V REPLICATION, drug effects

1908. **Kawauchi H, Bewley TA, Li CH:** Selective modifi of tryptophan-149 in ovine pituitary lacto hormone. Biochemistry 12:2124-30, 22 May
AMINO ACID SEQUENCE/ AMINO ACID analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CIRCULAR DICHROISM/ CROP, AVIAN, drug effect GEL FILTRATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ *NITROBENZENES/ PEPTIDES, analysis/ PIGEONS/ *PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, pharmacodynamics PROTEIN CONFORMATION/ PROTEIN DENATURATION/ SHEEP/ SPECTROPHOTOMETRY, ULTRAVIOLET STRUCTURE-ACTIVITY RELATIONSHIP/ *SULFENIC ACIDS/ TRYPSIN/ *TRYPTOPHAN/ TRYPTOPHAN, analysis

1909. **Kayanja FI, Sale JB:** The ovary of rock hyrax genus Procavia. J Reprod Fertil 33:223-30,
ANIMAL EXPERIMENTS/ ESTRUS/ FE GRAAFIAN FOLLICLE, growth & development/ KENYA/ LABOR/ *MAMM anatomy & histology/ *OVARY, anatomy histology/ OVARY, physiology/ OVUM/ SEASONS

1910. **Kaye M:** The effect of a diphosphonate on hyperparathyroidism. Nephron 10:188-94,
ANIMAL EXPERIMENTS/ BONE AND metabolism/ BONE RESORPTION, etiolo CALCIUM, blood/ CARBON ISOTOPES/ CREATININE, blood/ FEMUR, metabolis *HYPERPARATHYROIDISM, SECONDAR drug therapy/ HYPERPARATHYROIDISM SECONDARY, etiology/ *KIDNEY FAIL CHRONIC, complications/ LUMBAR VERTEBRAE, metabolism/ ORGAN WEI PARATHYROID GLANDS/ PHOSPHONI ACIDS, blood/ *PHOSPHONIC ACIDS, therapeutic use/ PHOSPHONIC ACIDS, PHOSPHORUS, blood/ RATS/ UREMIA, complications

1911. **Keating JP, Strominger DB, Poulos J:** Ricke medium chain triglyceride diet.
J Pediatr Surg 8:439-40, Jun 73
ALKALINE PHOSPHATASE, blood/ CA REPORT/ *DIET THERAPY, adverse ef HUMAN/ HYDROXYCHOLECALCIFERO blood/ INFANT/ INFANT, NEWBORN/ MALABSORPTION SYNDROMES, complications/ *MALABSORPTION SYNDROMES, therapy/ MALE/ *RICKE etiology/ RICKETS, therapy/ *TRIGLYCERIDES, therapeutic use/ VI D, administration & dosage/ VITAMIN therapeutic use

1912. **Kebabian JW, Kuo JF, Greengard P:** Determi relative levels of cyclic AMP in tissues prelabeled with radioactive adenine.
Adv Cyclic Nucleotide Res 2:131-7, 197
*ADENINE, metabolism/ ADENOSINE

3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ GANGLIA, AUTONOMIC, analysis/ GLUCAGON, pharmacodynamics/ HEART, drug effects/ ISOPROTERENOL, pharmacodynamics/ ISOTOPE LABELING/ METHODS/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ RATS/ TIME FACTORS/ TRITIUM

Kee WF, Lee AS: Studies in family planning. 6. Singapore. Stud Fam Plann 4:117-8, May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BIRTH RATE/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ METHODS/ MORTALITY/ PREGNANCY/ SINGAPORE/ STATISTICS/ STERILITY, FEMALE/ STERILIZATION, SEXUAL

Keefer DA, Stumpf WE, Sar M: Estrogen-topographical localization of estrogen-concentrating cells in the rat spinal cord following 3 H-estradiol administration. Proc Soc Exp Biol Med 143:414-7, Jun 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ CORTICOSTERONE, pharmacodynamics/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ OVARY/ RATS/ *RECEPTORS, HORMONE/ *SPINAL CORD, cytology/ SPINAL CORD, metabolism/ TRITIUM

Keeler RF: Comparison of the teratogenicity in rats of certain potato-type alkaloids and the veratrum teratogen cyclopamine. Lancet 1:1187-8, 26 May 73
*ABNORMALITIES, DRUG-INDUCED/ *ALKALOIDS, toxicity/ ANIMAL EXPERIMENTS/ FEMALE/ FURANS, toxicity/ FUROSTANS, toxicity/ GLYCOSIDES, toxicity/ *PIPERIDINES, toxicity/ PREGNANCY/ PYRIDINES, toxicity/ RATS/ SPIRO COMPOUNDS, toxicity/ STEROIDS, toxicity/ VEGETABLES/ *VERATRUM, toxicity

Keene JJ, Casey KL: Rewarding and aversive brain stimulation opposite effects on medial thalamic units. Physiol Behav 10:283-7, Feb 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MOTIVATION/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION/ *NEURONS, physiology/ *PAIN/ RATS/ RETICULAR FORMATION, physiology/ *REWARD/ *THALAMUS, physiology

Keesey RE, Boyle PC: Effects of quinine adulteration upon body weight of LH-lesioned and intact male rats. J Comp Physiol Psychol 84:38-46, Jul 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ APPETITE REGULATION/ *BODY WEIGHT/ DIET/ DRINKING/ *EATING/ *HYPOTHALAMUS, physiology/ MALE/ QUININE/ RATS/ *TASTE

Kelényi G, Németh A, István L, et al: Effect of corticosteroids on eosinophil leukocytes in hypereosinophilic syndromes. Acta Haematol (Basel) 49:235-41, 1973
ADOLESCENCE/ ADULT/ ENDOCARDITIS, drug therapy/ *EOSINOPHILIA, drug therapy/ *EOSINOPHILS, drug effects/ FEMALE/ HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ LEUKOCYTE COUNT/ LOEFFLER'S SYNDROME, drug therapy/ MALE/ MICROSCOPY, ELECTRON/ *PREDNISOLONE, therapeutic use/ SYNDROME

Kelényi G, Németh A: Tissue eosinophil leucocytes. II. Electron microscopy and histochemistry of the uterine eosinophil leucocytes in oestrogen-treated spayed rats. Acta Biol Acad Sci Hung 23:253-67, 1972
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS/ CHROMATIN/ CYTOPLASM/ ENDOMETRIUM, cytology/ ENDOPLASMIC RETICULUM/ *EOSINOPHILS, drug effects/ ERYTHROCYTES/ *ESTRONE, pharmacodynamics/ FEMALE/ FIBROBLASTS/ MACROPHAGES/ MICROSCOPY, ELECTRON/ PHAGOCYTOSIS/ PROGESTERONE, pharmacodynamics/ RATS/ *UTERUS, cytology

1920. **Keller L, Nagy G, Minik K, et al:** A helyes therápiás szemléletrol. Orv Hetil 114:1458, 17 Jun 73 **(Hun)**
BRONCHOPNEUMONIA, diagnosis/ DIAGNOSTIC ERRORS/ HUMAN/ HYPERTENSION, therapy/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, therapy/ PULMONARY EDEMA, diagnosis

1921. **Keller PJ:** Treatment of anovulation with synthetic luteinizing hormone-releasing hormone. Am J Obstet Gynecol 116:698-705, 1 Jul 73
ADULT/ AMENORRHEA, drug therapy/ CERVIX MUCUS, analysis/ CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ LH, administration & dosage/ LH, blood/ *LH, therapeutic use/ MENOTROPINS, therapeutic use/ *OVULATION, drug effects/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PREGNANCY/ STERILITY, FEMALE, drug therapy/ TIME FACTORS/ VAGINAL SMEARS

1922. **Keller PJ, Gerber C:** Effect of sublingual, intravenous and intramuscular administration of synthetic LH-releasing hormone in the human. Horm Metab Res 5:64-5, Jan 73
ADMINISTRATION, ORAL/ ADULT/ AMENORRHEA, blood/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPOTHALAMUS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LH/ *LH, blood/ MALE/ MENSTRUATION/ *PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ STERILITY, FEMALE, drug therapy/ SUBLINGUAL REGION/ TIME FACTORS

1923. **Keller R, Andrew EM:** The site of action of the crustacean hyperglycemic hormone. Gen Comp Endocrinol 20:572-8, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ *CRABS, physiology/ *CRAYFISH, physiology/ GILLS, metabolism/ GLUCOSE, metabolism/ *GLYCOGEN, metabolism/ GONADS, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ PANCREAS, metabolism

1924. **Keller R, Keist R:** Suppression of growth of P-815 mastocytoma cells in vitro by drugs increasing cellular cyclic 3',5'-adenosine monophosphate. Life Sci [II] 12:97-105, 8 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGGLUTINATION TESTS/ CELL COUNT/ CELL DIVISION/ CELL LINE/ CONCANAVALIN A/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MICE/ MITOSIS/ NEOPLASM TRANSPLANTATION/ RADIOIMMUNOASSAY/ *SARCOMA, MAST CELL, drug therapy/ SEROTONIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

1925. **Kelly JD, Dineen JK:** The suppression of rejection of Nippostrongylus brasiliensis in Lewis strain rats treated with ovine prolactin. The site of the

LIBRARY U. OF L. URBANA-CHAMPAIGN

immunological defect. Immunology 24:551-8, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ CASTRATION/ *HOOKWORM INFECTIONS, immunology/ IMMUNITY, drug effects/ IMMUNIZATION/ *IMMUNOSUPPRESSION/ INTESTINE, SMALL, immunology/ LYMPH NODES, immunology/ LYMPHOCYTES, immunology/ MALE/ MESENTERY, immunology/ PARASITE EGG COUNT/ *PROLACTIN, pharmacodynamics/ RATS/ RATS, INBRED LEW/ STATISTICS

1926. **Kelsey JL:** Epidemiology of slipped capital femoral epiphysis: a review of the literature.
Pediatrics 51:1042-50, Jun 73
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ DEMOGRAPHY/ *EPIPHYSES, SLIPPED/ EPIPHYSES, SLIPPED, etiology/ EPIPHYSES, SLIPPED, familial & genetic/ EPIPHYSES, SLIPPED, occurrence/ FEMALE/ *FEMUR HEAD/ FLUORIDATION/ HUMAN/ MALE/ MOVEMENT/ NUTRITION DISORDERS, complications/ OBESITY, complications/ PUBERTY/ RACIAL STOCKS/ SEASONS/ SEX HORMONES, physiology/ SOCIAL CLASS/ SOMATOTROPIN, physiology/ UNITED STATES/ WOUNDS AND INJURIES, complications

1927. **Kemm JR:** Effect of previous dietary history of calcium intake on the skeleton and calcium absorption in the rat. J Physiol (Lond) 230:643-58, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BONE AND BONES, metabolism/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, urine/ *CALCIUM, DIETARY, metabolism/ CALCIUM ISOTOPES/ DIET/ FECES, analysis/ FEMUR, analysis/ FEMUR, anatomy & histology/ HUMERUS, analysis/ *INTESTINAL ABSORPTION/ ORGAN WEIGHT/ PHOSPHATES, metabolism/ PHOSPHATES, urine/ RADIOISOTOPE DILUTION TECHNIC/ RATS

1928. **Kendall-Taylor P:** Effects of long-acting thyroid stimulator (LATS) and LATS protector on human thyroid adenyl cyclase activity.
Br Med J 3:72-5, 14 Jul 73
ADENINE, metabolism/ ADENOSINE MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ HYPERTHYROIDISM, blood/ IMMUNOGLOBULINS/ IN VITRO/ IODINE ISOTOPES, DIAGNOSTIC/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MICE/ THEOPHYLLINE, metabolism/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology/ THYROTROPIN, pharmacodynamics/ TRITIUM

1929. **Kennedy JF:** The relationship of the activity of gonadotrophins to their structures.
Endocrinol Exp (Bratisl) 7:5-17, 1973
CHEMISTRY/ CROSS REACTIONS/ FSH/ *GONADOTROPINS/ GONADOTROPINS, CHORIONIC/ HUMAN/ LH/ MOLECULAR WEIGHT/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROTROPIN

1930. **Kennedy JF, Chaplin MF:** Lability of human pituitary follicle-stimulating hormone to mild acid treatment.
J Endocrinol 57:501-7, Jun 73
AMINO ACIDS, analysis/ CHROMATOGRAPHY, GAS/ *FSH/ FUCOSE, analysis/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS, analysis/ *PITUITARY GLAND, analysis

1931. **Kenney WC, Edmondson D, Seng R, et al:** Structure of the flavin site of Chromatium flavocytochrome c-552.
Biochem Biophys Res Commun 52:434-9, 15 May 73
AMINO ACID SEQUENCE/ AMINOPEPTIDASES/ *CHROMATIUM, analysis/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CIRCULAR DICHROISM/ *CYTOCHROME C, analysis/ *FLAVOPROTEINS, analysis/ FLUOROMETR FORMIC ACIDS/ INDICATORS AND REAGENTS/ MODELS, CHEMICAL/ OXIDATION-REDUCTION/ PEPSIN/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ THIOCYANATES/ TRYPSIN

1932. **Kennison RD:** The use of the small and large bowe obstetrics and gynecology.
Clin Obstet Gynecol 15:620-38, Sep 72 (13 r
ACIDOSIS, etiology/ BLADDER, surgery/ COLECTOMY/ DRAINAGE/ *GYNECOLOGIC DISEASES/ HUMAN/ ILEOSTOMY/ *ILEUM surgery/ MALE/ METHODS/ POSTOPERATI CARE/ POTASSIUM, urine/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PREGNANCY COMPLICATIONS/ PREOPERATIVE CARE/ PYELONEPHRITIS etiology/ REVIEW/ *SIGMOID, surgery/ SURGERY, OPERATIVE, adverse effects/ *URINARY DIVERSION/ VITAMIN D, therapeutic use

1933. **Kent EW, Grossman SP:** Elimination of lea behaviors after transection of fibers crossing lateral border of the hypothalamus.
Physiol Behav 10:953-63, May 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *CONDITIONING, OPERANT/ DRINKING BEHAVIOR/ EATING/ ELECTR STIMULATION/ ELECTROSHOCK/ EXPLORATORY BEHAVIOR/ FEEDING BEHAVIOR/ GROOMING/ HOUSING, ANI *HYPOTHALAMUS, physiology/ LOCOMOTI MALE/ NEURAL INTERCONNECTIONS, physiology/ RATS/ REWARD

1934. **Kent MA, Peters RH:** Effects of ventromed hypothalamic lesions on hunger-motivated beh in rats. J Comp Physiol Psychol 83:92-7, Ap
ANIMAL EXPERIMENTS/ BODY WEIGHT CONDITIONING, OPERANT/ EATING/ *FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ *HUNGER/ HYPOTHALAMUS, physiology/ LOCOMOTI RATS/ REWARD

1935. **Kepp R:** Ovalationshemmer bei übermässige Längenwachstum.
Dtsch Med Wochenschr 98:1047, 18 May 73
ADOLESCENCE/ AGE DETERMINATION SKELETON/ *BODY HEIGHT, drug effect *CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN

1936. **Kerdelhué B, Jutisz M, Gillessen D, et al:** Obtenti antisera against a hypothalamic decapeptid (luteinizing hormone-follicle stimulating hor releasing hormone) which stimulated the relea pituitary gonadotropins and development radioimmunoassay.
Biochim Biophys Acta 297:540-8, 28 Feb 7
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, PAPER/ FEMALE/ metabolism/ GEL FILTRATION/ *GONADOTROPINS, PITUITARY, metaboli GUINEA PIGS, immunology/ *HYPOTHALAMUS, metabolism/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, metabolism/ PITUITARY GLAND, metabo PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMO RELEASING FACTORS, pharmacodynamic RADIOIMMUNOASSAY/ RATS/ SHEEP/ SODIUM ISOTOPES

1937. **Kerdelhué B, Jutisz M, Gillessen D, et al:** Obt d'immunsérums spécifiques du facteur hypothalamique (LH, FSH-RH) qui stimul libération des gonadotropines hypophysaire développememt du dosage radioimmunologique peptide.

C R Acad Sci [D] (Paris) 276:593-6, 22 Jan 73 (Fre)
CASTRATION/ ESTRUS/ FEMALE/ FSH, blood/ FSH, secretion/ GUINEA PIGS, immunology/ HUMAN/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, immunology/ IMMUNOLOGIC TECHNICS/ IODINE ISOTOPES/ LH, blood/ LH, secretion/ MALE/ METHODS/ OVARY, physiology/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ TISSUE EXTRACTS

Kersen F van, Lange WE de, Sluiter WJ, et al: Hypothalamic hypopituitarism. A case of panhypopituitarism with TSH and LH deficiency of hypothalamic origin. Neth J Med 16:111-5, 1973
ADOLESCENCE/ ADULT/ HUMAN/ *HYPOPITUITARISM, etiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ LH, diagnostic use/ *LH, secretion/ MALE/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, diagnostic use

Kersten UW, Meijer DK, Agoston S: Fluorimetric and chromatographic determination of pancuronium bromide and its metabolites in biological materials. Clin Chim Acta 44:59-66, 28 Feb 73
ACETONE/ *ANDROSTANES, analysis/ ANIMAL EXPERIMENTS/ BILE, analysis/ BROMIDES, analysis/ BUFFERS/ CATS/ CHLOROFORM/ CHROMATOGRAPHY, THIN LAYER/ *CURARE-LIKE AGENTS, analysis/ FLUORESCENCE SPECTROMETRY/ FLUOROMETRY/ KIDNEY, analysis/ LIVER, analysis/ PANCURONIUM, analysis/ PANCURONIUM, blood/ PANCURONIUM, metabolism/ PANCURONIUM, urine/ PHENOLS/ PHOSPHATES/ ROSE BENGAL

Kessler S, Moos RH: Behavioral aspects of chromosomal disorders. Annu Rev Med 24:89-102, 1973 (114 ref.)
AGGRESSION/ AUTOSOME ABNORMALITIES, occurrence/ *CHROMOSOME ABNORMALITIES, complications/ CHROMOSOME ABNORMALITIES, occurrence/ COGNITION DISORDERS/ FEMALE/ GENETICS, BEHAVIORAL/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, complications/ MALE/ *MENTAL DISORDERS, etiology/ MENTAL RETARDATION, familial & genetic/ MONGOLISM, complications/ PERCEPTUAL DISORDERS, etiology/ PERSONALITY DISORDERS, etiology/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, complications/ SOCIAL BEHAVIOR DISORDERS, etiology/ SOCIOPATHIC PERSONALITY, etiology/ TURNER'S SYNDROME, complications

Ketelbant-Balasse P, Rodesch F, Neve P, et al: Scanning electron microscope observations of apical surfaces of dog thyroid cells. Exp Eye Res 79:111-9, Apr 73
ANIMAL EXPERIMENTS/ CULTURE MEDIA/ CYTOCHALASIN B, pharmacodynamics/ DOGS/ DRUG ANTAGONISM/ FREEZE DRYING/ HISTOLOGICAL TECHNICS/ INJECTIONS, SUBCUTANEOUS/ *MICROSCOPY, ELECTRON, SCANNING/ PSEUDOPODIA/ STIMULATION, CHEMICAL/ *THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROID GLAND, physiology/ THYROTROPIN, pharmacodynamics/ TISSUE CULTURE

Keye WR Jr, Kelch RP, Niswender GD, et al: Quantitation of endogenous and exogenous gonadotropin releasing hormone by radioimmunoassay.
J Clin Endocrinol Metab 36:1263-7, Jun 73
ADULT/ CHILD/ FEMALE/ GONADOTROPINS/ GONADOTROPINS, metabolism/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RADIOIMMUNOASSAY

1943. Keyes PL: Maintenance of postimplantation-pregnancy in the rat in the presence of ectopic corpora lutea: Requirement for ovarian follicles and estrogen.
Biol Reprod 8:618-24, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, transplantation/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, administration & dosage/ ESTRUS/ FEMALE/ FOLLICULITIS, transplantation/ *LH, pharmacodynamics/ NIDATION/ *OVARY, drug effects/ OVULATION/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROLACTIN, pharmacodynamics/ RATS/ VAGINAL SMEARS

1944. Khachaturian SA, Martirosian ME: Nekotorye storony uglevodnogo obmena v pechni belykh krys posle kastratsii. Zh Eksp Klin Med 12:39-42, 1972 (Rus)
ADENOSINE TRIPHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ AMYLASE, metabolism/ ANIMAL EXPERIMENTS/ *CARBOHYDRATES, metabolism/ *CASTRATION, adverse effects/ GLYCOGEN PHOSPHORYLASE, metabolism/ *LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ RATS

1945. Khaiutin SN: Kharakteristika aktivnosti odinochnykh neĭronov zritel'noĭ kory v usloviiakh vyrazhennoĭ pishchevoĭ motivatsii.
Zh Vyssh Nerv Deiat 22:1248-59, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ EVOKED POTENTIALS/ FLICKER FUSION/ FOOD/ HYPOTHALAMUS, physiology/ METHODS/ *MOTIVATION/ NEURONS, physiology/ PHOTIC STIMULATION/ RABBITS/ *VISUAL CORTEX, physiology

1946. Khan PM, Los WR, Does JA v.d., et al: Isoenzyme markers in dog blood cells.
Transplantation 15:624-8, Jun 73
ALLELES/ AMINOHYDROLASES, blood/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ *BLOOD CELLS, enzymology/ CHROMOSOME ABERRATIONS/ *DOGS, physiology/ ELECTROPHORESIS/ ERYTHROCYTES, enzymology/ GELS/ GENOTYPE/ GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HAPLOIDY/ HETEROZYGOTE/ HOMOZYGOTE/ *ISOENZYMES, blood/ LEUKOCYTES, enzymology/ PHENOTYPE/ PHOSPHOGLUCOMUTASE, blood/ PHOSPHOTRANSFERASES, blood/ POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES

1947. Kher A, Toulemonde F, Raby C: Héparinothérapie au long cours et ostéoporose.
Nouv Presse Med 2:1585-7, 9 Jun 73 (Fre)
ADULT/ AGED/ ANGINA PECTORIS, drug therapy/ ARTERIOSCLEROSIS OBLITERANS, drug therapy/ FEMALE/ FRACTURES, SPONTANEOUS, chemically induced/ *HEPARIN, adverse effects/ HEPARIN, therapeutic use/ HUMAN/ HYPERLIPEMIA, drug therapy/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, drug therapy/ *OSTEOPOROSIS, chemically induced/ PAIN, chemically induced/ PHLEBITIS, drug therapy/ PULMONARY EMBOLISM, drug therapy/ RECURRENCE/ RETINAL VEIN/ SPINE, injuries/ THROMBOSIS, drug therapy

1948. Kher M, Grover S, Hardas U: Orchioblastoma: report of four cases. Indian J Pediatr 40:28-30, Jan 73
CASE REPORT/ HUMAN/ INFANT/ MALE/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology

1949. Khera KS: Ethylenethiourea: teratogenicity study in rats and rabbits. Teratology 7:243-52, Jun 73
*ABNORMALITIES, DRUG-INDUCED/ *ABNORMALITIES, MULTIPLE, chemically induced/ ANIMAL EXPERIMENTS/ BRAIN, abnormalities/ CLUBFOOT,

LIBRARY U. OF I., URBANA-CHAMPAIGN

chemically induced/ *ETHYLENE, toxicity/ FEMALE/ FETAL DEATH, chemically induced/ *FETUS, drug effects/ FETUS, growth & development/ FUNGICIDES, INDUSTRIAL, pharmacodynamics/ *FUNGICIDES, INDUSTRIAL, toxicity/ GERM CELLS, drug effects/ HINDLIMB, abnormalities/ KIDNEY TUBULES, abnormalities/ LENS, CRYSTALLINE, abnormalities/ MENINGES, abnormalities/ MICROGNATHISM, chemically induced/ OSSIFICATION, PHYSIOLOGIC, drug effects/ PREGNANCY/ RABBITS/ RATS/ RATS, INBRED STRAINS/ SPINAL CORD, abnormalities/ TAIL, abnormalities/ *THIOUREA, toxicity

1950. **Khlystov VA, Mazov FA, Iakimenko VF:** Rentgenologicheskie i radioizotopnye issledovaniia mineral'nogo obmena v kostnoĭ tkani u bol'nykh siringomieliei.
Med Radiol (Mosk) 18:3-8, Mar 73 (Rus)
ADULT/ AGED/ ARM/ *BONE AND BONES, metabolism/ BONE AND BONES, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MINERALS, metabolism/ RADIOISOTOPE SCANNING/ STRONTIUM ISOTOPES, diagnostic use/ SYRINGOMYELIA, diagnosis/ *SYRINGOMYELIA, metabolism

1951. **Khoo JC, Steinberg D, Thompson B, et al:** Hormonal regulation of adipocyte enzymes. The effects of epinephrine and insulin on the control of lipase, phosphorylase kinase, phosphorylase, and glycogen synthase.
J Biol Chem 248:3823-30, 10 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ DRUG SYNERGISM/ ENZYME ACTIVATION/ EPIDIDYMIS/ EPINEPHRINE, antagonists & inhibitors/ *EPINEPHRINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *GLUCOSYLTRANSFERASES, metabolism/ GLYCERIN, biosynthesis/ *GLYCOGEN PHOSPHORYLASE/ GLYCOGEN SYNTHETASE, metabolism/ *INSULIN, pharmacodynamics/ *LIPASE, metabolism/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHORYLASE KINASE, metabolism/ PROTEIN KINASE, antagonists & inhibitors/ RATS

1952. **Khoo SK, Mackay EV:** Carcinoembryonic antigen in cancer of the female reproductive system: sequential levels and effects of treatment.
Aust NZ J Obstet Gynaecol 13:1-17, Feb 73
*ANTIGENS, NEOPLASM, analysis/ BILE DUCT NEOPLASMS, immunology/ CARCINOEMBRYONIC ANTIGEN, analysis/ CARCINOMA, BRONCHOGENIC, immunology/ CERVIX NEOPLASMS, immunology/ CERVIX NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, surgery/ COLONIC NEOPLASMS, immunology/ COLONIC NEOPLASMS, surgery/ FEMALE/ FOLLOW-UP STUDIES/ *GYNECOLOGIC NEOPLASMS, therapy/ HUMAN/ LUNG NEOPLASMS, immunology/ OVARIAN NEOPLASMS, immunology/ OVARIAN NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ RECTAL NEOPLASMS, immunology/ RECTAL NEOPLASMS, surgery/ UTERINE NEOPLASMS, immunology/ UTERINE NEOPLASMS, surgery

1953. **Khorlin AY, Vikha IV, Milishnikov AN:** Subunit structure of testicular hyaluronidase.
FEBS Lett 31:107-10, 1 Apr 73
CENTRIFUGATION/ DIFFUSION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HYALURONIDASE, metabolism/ HYDROGEN-ION CONCENTRATION/ MOLECULAR WEIGHT/ PROTEIN CONFORMATION/ SODIUM DODECYL SULFATE/ SUCCINATES/ *TESTIS, enzymology

1954. **Khristoliubova NB, Shilov AG, Kiseleva EV, et** Morfometricheskoe izuchenie ul'trastruktury kl pecheni krys v protsesse gormonal'noi induk
Tsitologiia 15:254-9, Mar 73 (
ANIMAL EXPERIMENTS/ CELL MEMBRAN analysis/ DENSITOMETRY/ ENDOPLASMIC RETICULUM, analysis/ ENGLISH ABSTRAC *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ *LIVER cytology/ MALE/ MATHEMATICS/ MICROSCOPY, ELECTRON/ MITOCHONDRI LIVER, analysis/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ STEREOTAXIC TECHNICS

1955. **Khudoleĭ VV:** Spontannye i industriuemye novoobrazovaniia akvariumanykh ryb.
Usp Sovrem Biol 74:473-81, Nov-Dec 72 (91 ref.) (
AMELOBLASTOMA/ ANIMAL EXPERIMEN BLADDER NEOPLASMS/ CARCINOGENS/ CYPRINIDAE/ EYE NEOPLASMS/ FEMAL *FISH DISEASES/ FISH DISEASES, chemi induced/ HEPATOMA/ KIDNEY NEOPLAS MALE/ MELANOMA/ NEOPLASMS, chemi induced/ *NEOPLASMS, veterinary/ NEURILEMMOMA/ NEUROFIBROMA/ NITROSAMINES/ PITUITARY NEOPLASM REVIEW/ SKIN NEOPLASMS/ TERATOID TUMOR/ TESTOSTERONE/ THIOURACIL/ THYROID NEOPLASMS/ URETHANE

1956. **Khudr G, Benirschke K:** X-Y translocation.
Am J Obstet Gynecol 116:584-5, 15 Jun 7
ADULT/ *CHROMOSOME ABERRATIONS/ FEMALE/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ METHODS/ QUINACRIN *SEX CHROMOSOMES/ STAINS AND STAINING

1957. **Khudr G, Benirschke K:** Y ring chromosome asso with gonadoblastoma in situ.
Obstet Gynecol 41:897-901, Jun 73
CHILD/ CHROMOSOME ABNORMALITIES, complications/ CHROMOSOMES, HUMAN, 21-22/ *DISGERMINOMA, complications/ DISGERMINOMA, pathology/ FEMALE/ *GONADS, abnormalities/ GONADS, patho GONADS, surgery/ *GYNECOLOGIC NEOPLASMS, complications/ GYNECOLOG NEOPLASMS, pathology/ HUMAN/ KARYOTYPING/ MOSAICISM/ *SEX CHROMOSOME ABNORMALITIES, complications

1958. **Kiang DT, Bauer GE, Kennedy BJ:** Immunoass insulin in carcinoma of the cervix associate hypoglycemia.
Cancer 31:801-5, Apr 73
ADULT/ CARCINOMA, EPIDERMOID, complications/ *CARCINOMA, EPIDERMO metabolism/ CERVIX NEOPLASMS, complications/ *CERVIX NEOPLASMS, metabolism/ FEMALE/ *HORMONES, ECTOPIC, analysis/ HUMAN/ HYPOGLYCEMIA, etiology/ *HYPOGLYC metabolism/ IMMUNOASSAY/ *INSULIN, analysis/ NEOPLASM METASTASIS

1959. **Kiang DT, Theologides A, Fortuny I, et al:** Ho therapy for malignant myeloma.
Lancet 2:147-8, 21 Jul 73
ANDROGENS, administration & dosage/ *ANDROGENS, therapeutic use/ *CYCLOPHOSPHAMIDE, therapeutic use/ HEMOGLOBIN, analysis/ HEMOGLOBINOMETRY/ HUMAN/ *MELPHALAN, therapeutic use/ MULTI MYELOMA, blood/ *MULTIPLE MYELO drug therapy/ *PREDNISONE, therapeut

1960. **Kiely JM, Titus JL, Orvis AL:** Thorotrast-i hepatoma presenting as hyperparathyroidi
Cancer 31:1312-4, Jun 73
ADULT/ AUTOPSY/ AUTORADIOGRAPH BIOPSY, NEEDLE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *HEPATO chemically induced/ HEPATOMA, diagno HUMAN/ *HYPERPARATHYROIDISM,

diagnosis/ *LIVER, radiation effects/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, diagnosis/ MALE/ *NEOPLASMS, RADIATION-INDUCED, diagnosis/ SPECTRUM ANALYSIS/ *THORIUM DIOXIDE, adverse effects/ THORIUM DIOXIDE, analysis

Kikyo S: [Morphological examination of the endometrium] Jap J Clin Pathol 21:94-101, Jan 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ ENDOMETRITIS, diagnosis/ *ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ MIDDLE AGE/ OVARIAN DISEASES, diagnosis/ STERILITY, FEMALE, diagnosis/ *UTERINE HEMORRHAGE, diagnosis/ UTERINE HEMORRHAGE, pathology/ UTERINE NEOPLASMS, diagnosis/ VAGINAL DISEASES, diagnosis

Kilbert LH Jr, Goldfarb AR, Foà PP: A micro-method for the measurement of pharmacologically induced changes in purine derivatives.
Horm Metab Res 5:216-20, May 73
ADENINE, blood/ *ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CAFFEINE, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ HAMSTERS/ HUMAN/ LEUKOCYTES, metabolism/ METHODS/ MICROCHEMISTRY/ OVARY, drug effects/ OVARY, metabolism/ PREGNANCY/ PURINE NUCLEOTIDES, analysis/ PURINE NUCLEOTIDES, metabolism/ *PURINES, analysis/ *RIBONUCLEOTIDES, analysis/ TIME FACTORS/ TRITIUM

Kilbey MM, Forbes WB, Olivetti CC: Delta-9-tetrahydrocannnabinol: inhibition of deprivation- and carbachol-induced water consumption in the rat after central and peripheral administration. Behav Biol 8:679-85, May 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CANNABIS, pharmacodynamics/ CARBACHOL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR, drug effects/ GLYCOLS, pharmacodynamics/ HYPOTHALAMUS, drug effects/ MALE/ RATS/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics/ WATER DEPRIVATION

Kimball HR, Wolff SM, Talal N, et al: Marrow granulocyte reserves in the rheumatic diseases. Arthritis Rheum 16:345-52, May-Jun 73
ARTHRITIS, RHEUMATOID, physiopathology/ BLOOD SEDIMENTATION/ BLOOD TRANSFUSION, AUTOLOGOUS/ BLOOD UREA NITROGEN/ BONE MARROW, drug effects/ *BONE MARROW CELLS/ CHRONIC DISEASE/ *COLLAGEN DISEASES, physiopathology/ ETIOCHOLANOLONE, diagnostic use/ FELTY'S SYNDROME, physiopathology/ FLOCCULATION TESTS/ HEMATOCRIT/ *HEMATOPOIESIS/ HEPATITIS, physiopathology/ HUMAN/ LEUKOCYTE COUNT/ *LEUKOCYTES/ LUPUS ERYTHEMATOSUS, SYSTEMIC, physiopathology/ PROTEINURIA/ RETICULOCYTES/ SERUM ALBUMIN/ SERUM GLOBULINS/ SJOGREN'S SYNDROME, physiopathology

Kimberling W, Dobson RL: The inheritance of psoriasis. J Invest Dermatol 60:538-40, Jun 73 (19 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ DISEASES IN TWINS/ FEMALE/ GENES, DOMINANT/ GENOTYPE/ HUMAN/ LINKAGE (GENETICS)/ MALE/ PEDIGREE/ PHENOTYPE/ *PSORIASIS, familial & genetic/ PSORIASIS, metabolism/ PSORIASIS, occurrence/ PSORIASIS, pathology/ REVIEW

Kimura NT, Baba T: Neoplastic changes in the rat liver induced by polychlorinated biphenyl.
Gann 64:105-8, Feb 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ FEMALE/ LIVER, drug effects/ *LIVER NEOPLASMS, chemically induced/ LUNG, drug effects/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ ORGAN WEIGHT/ *POLYCHLOROBIPHENYL COMPOUNDS/ POLYCHLOROBIPHENYL COMPOUNDS, administration & dosage/ *PRECANCEROUS CONDITIONS, chemically induced/ RATS/ SPLEEN, drug effects/ TIME FACTORS

1967. **King CA, Van Heyningen WE:** Deactivation of cholera toxin by a sialidase-resistant monosialosyiganglioside. J Infect Dis 127:639-47, Jun 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *ANTITOXINS, pharmacodynamics/ BRAIN CHEMISTRY/ CAPILLARY PERMEABILITY, drug effects/ CATTLE/ *CHOLERA/ CHROMATOGRAPHY, THIN LAYER/ GANGLIOSIDES, isolation & purification/ *GANGLIOSIDES, pharmacodynamics/ GUINEA PIGS/ HUMAN/ INTESTINAL MUCOSA, analysis/ METHODS/ NEURAMINIC ACIDS, isolation & purification/ *NEURAMINIC ACIDS, pharmacodynamics/ *NEURAMINIDASE, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ TEMPERATURE/ TIME FACTORS/ *TOXINS/ TOXINS, isolation & purification/ VIBRIO, analysis

1968. **King JC, Calloway DH, Margen S:** Nitrogen retention, total body 40 K and weight gain in teenage pregnant girls. J Nutr 103:772-85, May 73
ADOLESCENCE/ ADULT/ BIRTH WEIGHT/ BLOOD PROTEINS, metabolism/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CREATININE, urine/ DIET/ FECES, analysis/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, metabolism/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ *NITROGEN, metabolism/ NITROGEN, urine/ NUTRITION/ PLACENTA, metabolism/ *POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ *PREGNANCY/ SERUM ALBUMIN, metabolism/ SKIN, metabolism

1969. **King MP, Angelakos ET:** Differentiation of noradrenaline and adrenaline containing cells in the adrenal medulla by the trihydroxyindole histochemical reaction.
Acta Histochem (Jena) 45:61-70, 1973
ADRENAL MEDULLA, analysis/ *ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ CATS/ DOGS/ EPINEPHRINE, analysis/ FREEZE DRYING/ FROGS/ GERBILS/ HAMSTERS/ HISTOCYTOCHEMISTRY/ INDOLES/ METHODS/ MONKEYS/ NOREPINEPHRINE, analysis/ RATS/ SNAKES

1970. **Kinson GA, Liu CC:** Diurnal variation in plasma testosterone of the male laboratory rat.
Horm Metab Res 5:233-4, May 73
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ MALE/ RADIOIMMUNOASSAY/ RATS/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

1971. **Kirby IJ:** Hormonal replacement therapy for menopausal symptoms. Lancet 2:103, 14 Jul 73
AGE FACTORS/ AGED/ ESTROGENS, adverse effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE/ SYNDROME/ TIME FACTORS

1972. **Kirchner F:** The effects of single and repetitive electrical stimulation of spinal afferent nerves and central nervous structures on the sympathetic nervous system. Acta Physiol Pol 24:123-7, Jan-Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ *ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ EVOKED

LIBRARY U. OF I., URBANA-CHAMPAIGN

POTENTIALS/ HEART RATE/ HYPOTHALAMUS, physiology/ KIDNEY, innervation/ MEDULLA OBLONGATA, physiology/ MOTOR NEURONS, physiology/ *NEURONS, physiology/ NEURONS, AFFERENT, physiology/ SCIATIC NERVE, physiology/ *SPINAL NERVES, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology

1973. **Kirdani RY, Sandberg AA, Murphy GP:** Estrogen-binding to pancreas. Surgery 74:84-90, Jul 73
AUTOPSY/ DIALYSIS/ DIETHYLSTILBESTROL, metabolism/ DOGS/ ESTRADIOL, metabolism/ ESTRIOL, metabolism/ *ESTROGENS, metabolism/ ESTRONE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ IN VITRO/ INJECTIONS, INTRAVENOUS/ MONKEYS/ *PANCREAS, metabolism/ PANCREAS, physiology/ PERFUSION/ PROTEIN BINDING, drug effects/ RECEPTORS, HORMONE, drug effects/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

1974. **Kirkham TH:** Neuro-ophthalmic presentations of sarcoidosis. Proc R Soc Med 66:167-9, Feb 73
ADULT/ FEMALE/ GRANULOMA, complications/ GRANULOMA, drug therapy/ HUMAN/ LYMPH NODES/ MALE/ MIDDLE AGE/ OPTIC NERVE/ PREDNISOLONE, therapeutic use/ RETINAL VESSELS/ *SARCOIDOSIS, complications/ SARCOIDOSIS, immunology/ SKIN TESTS/ *VISION DISORDERS, etiology/ VISUAL ACUITY/ VISUAL PATHWAYS

1975. **Kishimoto Y:** Estrone sulphate in rat brain: uptake from blood and metabolism in vivo.
J Neurochem 20:1489-92, May 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ ESTRONE, blood/ *ESTRONE, metabolism/ FEMALE/ LIPIDS, biosynthesis/ RATS/ STEROIDS, biosynthesis/ SULFUR ISOTOPES/ SULFURIC ACIDS, biosynthesis/ SULFURIC ACIDS, blood/ SULFURIC ACIDS, metabolism/ TRITIUM

1976. **Kissebah AH, Harrigan P, Wynn V:** Mechanism of hypertriglyceridaemia associated with contraceptive steroids. Horm Metab Res 5:184-90, May 73
ADOLESCENCE/ ADULT/ BODY WEIGHT/ CARBON ISOTOPES/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HEPARIN, pharmacodynamics/ HUMAN/ INSULIN ANTIBODIES/ KINETICS/ LIPOPROTEINS, VLDL, metabolism/ LIPOPROTEINS, VLDL, pharmacodynamics/ MEGESTROL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ PALMITIC ACID, metabolism/ PROGESTERONE, pharmacodynamics/ TIME FACTORS/ *TRIGLYCERIDES, blood/ TRIGLYCERIDES, metabolism

1977. **Kistler WS, Geroch ME, Williams-Ashman HG:** Specific basic proteins from mammalian testes. Isolation and properties of small basic proteins from rat testes and epididymal spermatozoa.
J Biol Chem 248:4532-43, 10 Jul 73
AGE FACTORS/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATS/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CRYPTORCHISM, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPIDIDYMIS/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ MALE/ ORGAN SPECIFICITY/ PROTEINS, analysis/ PROTEINS, biosynthesis/ *PROTEINS, isolation & purification/ RATS/ SPECIES SPECIFICITY/ *SPERMATOZOA, analysis/ *TESTIS, analysis/ TESTIS, growth & development/ TESTIS, metabolism/ TESTIS, physiology/ TRICHLOROACETIC ACID

1978. **Kitabchi AE, Jones GM, Duckworth WC:** Effect o hydrocortisone and corticotropin on glucose-induce insulin and proinsulin secretion in man.
J Clin Endocrinol Metab 37:79-84, Jul 73
ADULT/ *ANTIGENS, analysis/ BLOOD SUGAR, metabolism/ *CORTICOTROPIN, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, blood/ MALE/ *PROINSULIN, blood/ TIME FACTORS

1979. **Klačanský T:** About gonadotropic stimulation of th hypofunction of ovaries in sterile women.
Endocrinol Exp (Bratisl) 7:75-9, 1973
CLOMIPHENE, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ FSH, therapeutic use/ *GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ PROGESTERONE, therapeutic use/ *STERILITY, FEMALE, drug therapy

1980. **Klahr S, Slatopolsky E:** Renal regulation of sodiu excretion. Function in health and in edema-formi states. Arch Intern Med 131:780-91, Jun 73 (103 re
ALDOSTERONE, pharmacodynamics/ COLLOIDS/ EDEMA, etiology/ EDEMA, metabolism/ *EDEMA, physiopathology/ GLOMERULAR FILTRATION RATE/ HEART FAILURE, CONGESTIVE, metabolism/ HUMAN/ KIDNEY/ KIDNEY, drug effects/ KIDNEY, metabolism/ *KIDNEY, physiopathology/ *KIDNEY DISEASES, metabolism/ KIDNEY DISEASES, physiopathology/ KIDNEY GLOMERULUS, physiopathology/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, physiopathology/ LIVER DISEASES, metabolism/ *NATRIURESIS/ NEPHROTIC SYNDROME, metabolism/ OSMOLAR CONCENTRATION/ PARATHYROID HORMONE, physiology/ REVIEW/ *SODIUM, metabolism/ SODIUM, urine

1981. **Klapper BF, Jameson DM, Mayer RM:** Factors affect the synthesis and release of the extracellular prote of Aspergillus oryzae NRRL 2160.
Biochim Biophys Acta 304:513-9, 28 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHA pharmacodynamics/ AGING/ AMINO ACIDS, metabolism/ ASPERGILLUS, drug effects/ *ASPERGILLUS, enzymology/ ASPERGILLU growth & development/ CARBON ISOTOPE CHROMATOGRAPHY, DEAE-CELLULOSE/ CULTURE MEDIA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUCOSE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ *PEPTIDE HYDROLASE biosynthesis/ PEPTIDE HYDROLASES, metabolism/ PEPTIDE HYDROLASES, secretion/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ ULTRASONICS

1982. **Klastersky J, Cappel R, Thiry L:** Hepatite virale--concepts 1972.
Brux Med 52:823-30, Dec 72
ADRENAL CORTEX HORMONES, therapeu use/ ANTI-AUSTRALIA ANTIGEN/ AUSTRALIA ANTIGEN/ BLOOD TRANSFUSION/ DIAGNOSIS, DIFFERENTI GAMMA GLOBULIN, therapeutic use/ HEPATITIS, diagnosis/ *HEPATITIS, HOMOLOGOUS SERUM/ *HEPATITIS, INFECTIOUS/ HEPATITIS, INFECTIOUS, diagnosis/ HEPATITIS, INFECTIOUS, immunology/ HEPATITIS, INFECTIOUS, prevention & control/ HEPATITIS VIRUS HUMAN

1983. **Klein D, Rubinstein JH, Ammann F:** Caracteristi neuro-ophtalmologiques du syndrome des "p larges" de Rubinstein-Taybi. A propos d'un méconnu.
Rev Otoneuroophtalmol 44:373-82, Jul-Sep 72
*ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ADULT/ *BONE AND

BONES, abnormalities/ *COLOBOMA/ EYE MANIFESTATIONS/ *FACE, abnormalities/ FEMALE/ HUMAN/ *IRIS, abnormalities/ MENTAL RETARDATION/ NEUROLOGIC MANIFESTATIONS/ PEDIGREE/ *THUMB, abnormalities

Kleisbauer JP, Ingenito G, Favre R, et al: Les métastases surrénales des carcinomes bronchiques primitifs (à propos de 45 observations.
Mars Med 109:743-6, 1972 (Fre)
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, pathology/ AGED/ AUTOPSY/ BRONCHI, pathology/ *BRONCHIAL NEOPLASMS/ BRONCHIAL NEOPLASMS, pathology/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS

Klempel K: Uber die Nebennierenrinden- und Schilddrüsen-Aktivität von Alkoholikern und Polytoxikomanen. Nervenarzt 44:268-72, May 73 (Ger)
ACETALDEHYDE, metabolism/ *ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ ALCOHOL, ETHYL, metabolism/ *ALCOHOLISM, physiopathology/ ALCOHOLISM, urine/ BLOOD PROTEINS/ *DRUG ADDICTION, physiopathology/ FEMALE/ HUMAN/ IODINE, blood/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ *THYROID GLAND, physiopathology/ TIME FACTORS

Kiesch WL, Sage M: The control of the interrenal by the pituitary in the elasmobranch, Dasyatis sabina.
Comp Biochem Physiol [A] 45:961-7, 1 Aug 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FISHES/ HYDROCORTISONE, secretion/ HYPOPHYSECTOMY/ METYRAPONE, pharmacodynamics/ MODELS, BIOLOGICAL/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology

Kline ES, Liberti JP: Comparative rates of protein synthesis of rat kidney medulla and cortex in vitro.
Biochem Biophys Res Commun 52:1271-7, 19 Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ HYPOPHYSECTOMY/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, metabolism/ KINETICS/ LEUCINE, metabolism/ MALE/ PITUITARY GLAND, physiology/ *PROTEINS, biosynthesis/ RATS

(Klinefelter HF), Klinefelter HF: Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity.
Am J Obstet Gynecol 116:436-7, 1 Jun 73
BIOPSY/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ *KLINEFELTER'S SYNDROME, history/ KLINEFELTER'S SYNDROME, pathology/ KLINEFELTER'S SYNDROME, therapy/ MALE/ SEX CHROMATIN, analysis/ UNITED STATES

Klinefelter HF: Background of the recognition of Klinefelter's syndrome as a distinct pathologic entity.
Am J Obstet Gynecol 116:436-7, 1 Jun 73
BIOPSY/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ *KLINEFELTER'S SYNDROME, history/ KLINEFELTER'S SYNDROME, pathology/ KLINEFELTER'S SYNDROME, therapy/ MALE/ SEX CHROMATIN, analysis/ UNITED STATES

Klotz HP, Darnis F: Thyroïdite de Hashimoto associée á une hépatite pseudo-virale: á propos de 2 cas survenus chez deux membres d'une même fratrie.
Ann Endocrinol (Paris) 33:399-403, Jul-Aug 72 (Fre)
ADULT/ ANTINUCLEAR FACTORS, analysis/ *AUTOIMMUNE DISEASES, familial & genetic/ BIOPSY, NEEDLE/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HEPATITIS, complications/ HEPATITIS, diagnosis/ HEPATITIS, pathology/ HEPATITIS, INFECTIOUS, diagnosis/ HUMAN/ MALE/ *THYROIDITIS, LYMPHOMATOUS, complications/ THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, familial & genetic/ VIRUS DISEASES, complications

1991. **Kluh I, Sedláková E, Barth T, et al:** Neurophysin binding of vasopressin analogues altered at the NH 2 - and COOH-terminal positions.
Mol Pharmacol 9:414-20, May 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ *CARBOXYLIC ACIDS, metabolism/ CATTLE/ DANSYL COMPOUNDS, metabolism/ GLYCINE, metabolism/ LEUCINE, metabolism/ LYSINE, metabolism/ *NEUROPHYSINS, metabolism/ PEPTIDE CHAIN TERMINATION/ PEPTIDES, metabolism/ PHENYLALANINE, metabolism/ PITUITARY GLAND, metabolism/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY/ TIME FACTORS/ *VASOPRESSIN, metabolism/ VASOPRESSIN, pharmacodynamics

1992. **Kluytmans JH, Zandee DI:** Lipid metabolism in the northern pike (Esox lucius L.). II. The composition of the total lipids and of the fatty acids isolated from lipid classes and some tissues of the northern pike.
Comp Biochem Physiol [B] 44:459-66, 15 Feb 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, GAS/ ESTERS, analysis/ *FATTY ACIDS, analysis/ FATTY ACIDS, UNSATURATED, analysis/ FEMALE/ *FISHES, metabolism/ GILLS, analysis/ GLYCERIDES, analysis/ INTESTINES, analysis/ LIPIDS, analysis/ *LIPIDS, metabolism/ LIVER, analysis/ MALE/ MUSCLES, analysis/ OVARY, analysis/ SEASONS/ STARVATION/ TESTIS, analysis

1993. **Klyce SD:** Relationship of epithelial membrane potentials to corneal potential.
Exp Eye Res 15:567-75, 10 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CELL MEMBRANE PERMEABILITY/ CORNEA, analysis/ CORNEA, metabolism/ *CORNEA, physiology/ EPITHELIUM, physiology/ IN VITRO/ *MEMBRANE POTENTIALS, drug effects/ MICROELECTRODES/ POTASSIUM, metabolism/ RABBITS/ SILVER, pharmacodynamics

1994. **Knappe G, Rohde W, Grychtolik H:** Beeinträchtigung der somatotropen Hypophysenfunktion bei Erkrankungen der Schilddrüse.
Z Gesamte Inn Med 28:185-9, 1 Apr 73 (Ger)
ADOLESCENCE/ ADULT/ ARGININE/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ HYPOTHYROIDISM, complications/ INSULIN/ MALE/ MIDDLE AGE/ *PITUITARY DISEASES, etiology/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *THYROID DISEASES, complications

1995. **Kniewald Z, Milković S:** Testosterone: a regulator of 5alpha-reductase activity in the pituitary of male and female rats.
Endocrinology 92:1772-5, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CORTICOSTERONE, metabolism/ DOPAMINE, metabolism/ ESTRADIOL, metabolism/ FEMALE/ MALE/ OVARY, physiology/ *OXIDOREDUCTASES, metabolism/ *PITUITARY GLAND, enzymology/ PROGESTERONE, metabolism/ RATS/ SEROTONIN, metabolism/ TESTIS, physiology/ *TESTOSTERONE, metabolism

1996. **Knochel JP, White MG:** The role of aldosterone in renal

LIBRARY U. OF I., URBANA-CHAMPAIGN

physiology.
Arch Intern Med 131:876-84, Jun 73 (106 ref.)
ACID-BASE EQUILIBRIUM/ ALDOSTERONE, pharmacodynamics/ *ALDOSTERONE, physiology/ ALDOSTERONE, therapeutic use/ ANIMAL EXPERIMENTS/ DOGS/ HUMAN/ HYPERKALEMIA, drug therapy/ HYPERKALEMIA, physiopathology/ KIDNEY, drug effects/ *KIDNEY, physiology/ KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, physiology/ POTASSIUM, urine/ REVIEW/ RNA, biosynthesis/ SODIUM, urine

1997. **Knorr D:** Testosteronproduktion.
Dtsch Med Wochenschr 98:1087-8, 25 May 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ HUMAN/ MALE/ MIDDLE AGE/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TESTOSTERONE, secretion/ TESTOSTERONE, urine

1998. **Knox EG:** Ischaemic-heart-disease mortality and dietary intake of calcium. Lancet 1:1465-7, 30 Jun 73
*CALCIUM, DIETARY/ CALCIUM, DIETARY, analysis/ CALCIUM, DIETARY, metabolism/ CORONARY DISEASE, etiology/ CORONARY DISEASE, metabolism/ *CORONARY DISEASE, mortality/ DIET/ DIETARY FATS/ ENGLAND/ FEMALE/ HUMAN/ MALE/ NUTRITION SURVEYS/ VITAMIN D/ WALES/ WATER SUPPLY, analysis

1999. **Knox FG, Schneider EG, Willis LR, et al:** Effect of volume expansion on sodium excretion in the presence and absence of increased delivery from superficial proximal tubules.
J Clin Invest 22:1642-6, Jul 73
ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUFFERS/ CALCIUM/ DOGS/ GLOMERULAR FILTRATION RATE/ INULIN, diagnostic use/ *KIDNEY TUBULES, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ *NATRIURESIS/ PARATHYROID GLANDS, physiology/ PHOSPHATES, urine/ PUNCTURES

2000. **Knox GV, Campbell C, Lomax P:** The effects of acetylcholine and nicotine on unit activity in the hypothalamic thermoregulatory centers of the rat.
Brain Res 51:215-23, 15 Mar 73
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ FEMALE/ HEAT/ *HYPOTHALAMUS, drug effects/ MICROELECTRODES/ *NICOTINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC

2001. **Knudson AG Jr, Strong LC, Anderson DE:** Heredity and cancer in man.
Prog Med Genet 9:113-58, 1973 (183 ref.)
ADRENAL GLAND NEOPLASMS, familial & genetic/ ADULT/ ANEUPLOIDY/ BREAST NEOPLASMS, familial & genetic/ CARCINOMA, BRONCHOGENIC, familial & genetic/ CELL TRANSFORMATION, NEOPLASTIC/ CHILD/ CHROMOSOME ABERRATIONS/ EYE NEOPLASMS, familial & genetic/ GASTROINTESTINAL NEOPLASMS, familial & genetic/ HUMAN/ KIDNEY NEOPLASMS, familial & genetic/ LEUKEMIA, familial & genetic/ LUNG NEOPLASMS, familial & genetic/ LYMPHOMA, familial & genetic/ MODELS, BIOLOGICAL/ MULTIPLE MYELOMA, familial & genetic/ MUTATION/ *NEOPLASMS, familial & genetic/ NEPHROBLASTOMA, familial & genetic/ PHEOCHROMOCYTOMA, familial & genetic/ RETINOBLASTOMA, familial & genetic/ REVIEW/ SKIN NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, familial & genetic/ TUMOR VIRUS INFECTIONS/ UROGENITAL NEOPLASMS, familial & genetic

2002. **Kobayashi H:** :[In vitro and clinical studies of the effects of fluoride iontophoresis on acid resistance of enamel surface]
Shikwa Gakuho 72:1-22, Dec 72 (Jap)
CALCIUM, metabolism/ DENTAL ENAMEL SOLUBILITY/ ENGLISH ABSTRACT/ FLUORIDES, TOPICAL, pharmacodynamics/ IONTOPHORESIS/ PHOSPHATES, metabolism SPECIAL LIST DENTAL/ SURFACE PROPERTIES

2003. **Kobayashi I, Greer MA, Bertehzene F, et al:** Relat rates of monoiodotyrosine and diiodotyrosine liberation during nzymatic hydrolysis of iodinated and tripeptides. Endocrinology 92:1612-6, Jun
CHROMATOGRAPHY, PAPER/ *DIIODOTYROSINE, metabolism/ DIPEPTIDES, metabolism/ HYDROLYSIS/ IODINE ISOTOPES/ *IODOTYROSINE, metabolism/ KINETICS/ PANCREATIN/ *PEPTIDES, metabolism/ PRONASE

2004. **Kobielowa Z, Mazurek A, Kownacka-Klimek E, et** Rzekome obojnactwo męskie z delecją krótkieg długiego ramienia chromosomu.
Pediatr Pol 48:613-6, May 73 (
HUMAN/ KARYOTYPING/ MALE/ *PSEUDOHERMAPHRODITISM, familial & genetic/ *SEX CHROMOSOMES

2005. **Kochhar DM:** Limb development in mouse embryo Analysis of teratogenic effects of retinoic a
Teratology 7:289-95, Jun 73
*ABNORMALITIES, DRUG-INDUCED/ *ABNORMALITIES, MULTIPLE, chemically induced/ ANIMAL EXPERIMENTS/ CLEFT PALATE, chemically induced/ ECTROMELI chemically induced/ *EMBRYO, drug effect EXOPHTHALMOS, chemically induced/ FORELIMB, abnormalities/ FORELIMB, gro & development/ GENITALIA, abnormalities HINDLIMB, abnormalities/ HINDLIMB, grov & development/ JAW ABNORMALITIES, chemically induced/ MICE/ MICE, INBRED DBA/ MICROCEPHALY, chemically induce MOUTH ABNORMALITIES, chemically induced/ RIBS, abnormalities/ SPINE, abnormalities/ STERNUM, abnormalities/ TAIL, abnormalities/ *VITA A, toxicity

2006. **Koenig MP:** The clinical pattern of cretinism as se Switzerland. Adv Exp Med Biol 30:19-30, 1
AGED/ BODY HEIGHT/ CRETINISM, diagnosis/ *CRETINISM, occurrence/ DEAF-MUTISM, etiology/ FEMALE/ GOITE ENDEMIC, complications/ HUMAN/ MALE/ MIDDLE AGE/ NEUROMUSCULAR DISEA complications/ SWITZERLAND

2007. **Koenig MP, Neiger M:** The pathology of the e endemic cretinism. Adv Exp Med Biol 30:325-33,
AUTOPSY/ *CRETINISM, pathology/ *EAR pathology/ EAR, MIDDLE, pathology/ EAR OSSICLES, pathology/ HUMAN/ MUCOUS MEMBRANE, pathology/ ORGAN OF COR pathology/ TEMPORAL BONE, pathology

2008. **Kofoed JA:** Effects of hypophysectomy on gl glycosaminoglycans.
J Comp Neurol 52:423-5, May-Jun 73
ANIMAL EXPERIMENTS/ CHONDROITIN, analysis/ *GINGIVA, analysis/ *GLYCOPROTEINS, analysis/ HEPARITIN SULFATE, analysis/ *HYPOPHYSECTOMY *MUCOPOLYSACCHARIDES, analysis/ RA URONIC ACIDS, analysis

2009. **Köhler M:** Zum Verhalten der Muskeldurchbl unter Hemmung der 3',5'-AMP-Phosphodiest Eine klinisch-experimentelle Untersuchung 3,7-Dimethyl-1-(5-oxo-hexyl)-xanthin.
Arzneim Forsch 23:566-70, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPH ARTERIAL OCCLUSIVE DISEASES, drug therapy/ ARTERIAL OCCLUSIVE DISEAS therapy/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ EXERTION/ HUMAN/ MUSCLES, blood supply/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PLETHYSMOGRAPHY/ REGIO BLOOD FLOW, drug effects/ *XANTHIN

pharmacodynamics/ XANTHINES, therapeutic use

Kohner EM, Hamilton AM, Tunbridge WM: Diabetic retinopathy managed through a pregnancy.
Proc R Soc Med 66:442-4, May 73
ADULT/ *DIABETIC RETINOPATHY, therapy/ FEMALE/ HUMAN/ INSULIN, therapeutic use/ LIGHT COAGULATION/ PITUITARY GLAND IRRADIATION/ PREGNANCY/ *PREGNANCY IN DIABETES/ UREA, blood/ VISUAL ACUITY

Kohner EM, Joplin GF, Blach RK, et al: Pituitary ablation in the treatment of diabetic retinopathy. (A randomized trial).
Trans Ophthalmol Soc UK 92:79-90, 1972
ADULT/ CLINICAL RESEARCH/ *DIABETIC RETINOPATHY, therapy/ HUMAN/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, surgery/ RETINAL HEMORRHAGE, complications/ RETINITIS, complications/ VISUAL ACUITY/ YTTRIUM ISOTOPES

Kohrman AF: Patterns of development of adenyl cyclase activity and norepinephrine responsiveness in the rat. Pediatr Res 7:575-81, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, growth & development/ *ANIMALS, NEWBORN, metabolism/ BROWN FAT, drug effects/ *BROWN FAT, enzymology/ CATECHOLAMINES, pharmacodynamics/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, enzymology/ FEMALE/ FLUORIDES, pharmacodynamics/ HEART, drug effects/ IN VITRO/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ METHODS/ *MYOCARDIUM, enzymology/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ SODIUM

Koigushskaia GP, Byshevskiĭ ASh: Soderzhanie fibrinogena v plazme pri dlitel'nom vvedenii razlichnykh doz gidrokortizona.
Vrach Delo 4:105-7, Apr 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *FIBRINOGEN, biosynthesis/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ RATS

Koizumi J, Shiraishi H: Synaptic alterations in the hypothalamus of the rabbit following long-term chlorpromazine administration.
Folia Psychiatr Neurol Jap 27:59-67, 1973
ANIMAL EXPERIMENTS/ *CHLORPROMAZINE, administration & dosage/ CHLORPROMAZINE, pharmacodynamics/ CYTOPLASM/ DENDRITES/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAMUSCULAR/ MALE/ MICROSCOPY, ELECTRON/ NEUROGLIA/ RABBITS/ SYNAPSES, cytology/ *SYNAPSES, drug effects/ TIME FACTORS

Koizumi K, Brooks CM: The integration of autonomic system reactions: a discussion of autonomic reflexes, their control and their association with somatic reactions. Ergeb Physiol 67:1-68, 1972 (220 ref.)
ANIMAL EXPERIMENTS/ AUTONOMIC FIBERS, PREGANGLIONIC/ *AUTONOMIC NERVOUS SYSTEM, physiology/ CATS/ CEREBELLUM, physiology/ CEREBRAL CORTEX, physiology/ CHEMORECEPTORS/ CONDITIONING (PSYCHOLOGY)/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ GANGLIA, AUTONOMIC, physiology/ HEART, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ LEARNING/ LIMBIC SYSTEM, physiology/ MEDULLA OBLONGATA, physiology/ NEURAL INTERCONNECTIONS/ NEURONS, AFFERENT, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PRESSORECEPTORS/ *REFLEX/ RESPIRATION/ REVIEW/ SPINAL CORD, physiology/ STOMACH, innervation/ SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGUS NERVE, physiology/ VASOMOTOR SYSTEM, physiology

2016. **Kokrady S, Shetty G, Bachhawat BK:** Effect of neonatal thyroidectomy on glycolipid metabolism in developing rat brain.
Indian J Biochem Biophys 9:135-7, Jun 72
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BRAIN, enzymology/ BRAIN, growth & development/ *BRAIN, metabolism/ FEMALE/ *GLYCOLIPIDS, metabolism/ MALE/ RATS/ SULFATES, metabolism/ SULFATIDES, biosynthesis/ SULFURTRANSFERASES, analysis/ *THYROID GLAND, physiology/ THYROIDECTOMY

2017. **Kolarov P, Tsanev A, Milanov St, et al:** Diagnostichna stoinost na AKTKh v seruma pri niakoi endokrinni zaboliavaniia.
Vutr Boles 12:68-74, 1973 (Bul)
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, blood/ ADRENAL GLAND HYPOFUNCTION, blood/ ADULT/ AGED/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, blood/ DIENCEPHALON, physiopathology/ *ENDOCRINE DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, analysis/ HYPOPITUITARISM, blood/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, blood

2018. **Koldovský O, Herbst JJ:** Cell migration and cortisone-evoked decrease of acid -galactosidase in the ileum of suckling rats.
Gastroenterology 64:1142-9, Jun 73
ANIMAL EXPERIMENTS/ *CELL MOVEMENT/ *CORTISONE, pharmacodynamics/ *GALACTOSIDASE, metabolism/ ILEUM, cytology/ ILEUM, drug effects/ *ILEUM, enzymology/ ILEUM, metabolism/ INJECTIONS, INTRAMUSCULAR/ RATS

2019. **Kolebinov NKhr:** Tsentralna nervna sistema i sekretsiia na AKTKh (literaturen obzor.
Vutr Boles 12:7-15, 1973 (Bul)
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, physiology/ *CENTRAL NERVOUS SYSTEM, physiology/ CEREBRAL CORTEX, physiology/ CHEMISTRY, ORGANIC/ *CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, physiology/ ELECTRIC STIMULATION/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ HYPOTHALAMUS, secretion/ INHIBITION, NEURAL/ LIMBIC SYSTEM, physiology/ NEURONS, AFFERENT, physiology/ NEUROSECRETION/ PITUITARY GLAND, transplantation/ PITUITARY HORMONES, ANTERIOR, physiology/ RETICULAR FORMATION, physiology/ REVIEW/ STRESS, physiopathology

2020. **Kolebinov NKh, Ankov VK:** Plazmen kortizol i dnevni variatsii na kortizola pri zdravi litsa.
Vutr Boles 12:74-8, 1973 (Bul)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE SPECTROMETRY/ HEPARIN/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ MALE/ MIDDLE AGE

2021. **Kolesnikova GS:** Morfologicheskie izmeneniia v shchitovidnoi zheleze bol'nykh tireotoksikozom posle lecheniia I-131.
Med Radiol (Mosk) 17:23-30, Oct 72 (Rus)
ADENOCARCINOMA, PAPILLARY, etiology/ ADULT/ AGED/ ATROPHY/ CARCINOMA, etiology/ CYSTADENOMA, PAPILLARY, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, adverse effects/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED/ RADIOTHERAPY, adverse effects/ THYROID DISEASES, etiology/ *THYROID NEOPLASMS, etiology

LIBRARY U. OF I., URBANA-CHAMPAIGN

2022. **Koleva M, Joneidi M, Budewski O:** Quantitative determination of drugs by means of densitometry of thin-layer chromatograms. 3. Determination of vitamins D 2 and D 3 in oil and aqueous injection solutions in the presence of decomposition products.
Pharmazie 28:317-9, May 73
ANALYSIS OF VARIANCE/ *CHOLECALCIFEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ *ERGOCALCIFEROL, analysis/ INJECTIONS/ METHODS/ OILS/ QUALITY CONTROL/ SOLUTIONS/ WATER

2023. **Koller PC:** The role of chromosomes in cancer biology.
Recent Results Cancer Res 38:1-122, 1972 (229 ref.)
ANEUPLOIDY/ ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ *CHROMOSOMES/ CHROMOSOMES, physiology/ DNA/ FEMALE/ FETUS/ GENETIC CODE/ HUMAN/ KARYOTYPING/ MALE/ MITOSIS/ MOSAICISM/ *NEOPLASMS/ NEOPLASMS, drug therapy/ NEOPLASMS, etiology/ NEOPLASMS, radiotherapy/ ONCOGENIC VIRUSES/ PRECANCEROUS CONDITIONS/ PREGNANCY/ RADIATION GENETICS/ REVIEW/ SEX CHROMOSOMES

2024. **Kolpakov MG, Kolaeva SG, Shaburova GS:** Sezonnye ritmy funktsionirovaniia endokrinnoi sistemy u zimospiashchikh mlekopitaiushchikh.
Usp Fiziol Nauk 3:52-68, Jan-Mar 72 (72 ref.) (Rus)
ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENAL MEDULLA, physiology/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ BODY TEMPERATURE/ CALCIUM, metabolism/ *ENDOCRINE GLANDS, physiology/ GENITALIA, physiology/ HEDGEHOGS, physiology/ *HIBERNATION/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ *MAMMALS, physiology/ PANCREAS, physiology/ PARATHYROID GLANDS, physiology/ PERIODICITY/ PITUITARY GLAND, physiology/ RENIN, physiology/ REVIEW/ *SEASONS/ SQUIRRELS, physiology/ THYROID GLAND, physiology

2025. **Kommerell B:** Notfalltherapie beim Coma hepaticum.
Z Allgemeinmed 48:1422-7, 10 Nov 72 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BLOOD TRANSFUSION/ DIET THERAPY/ *EMERGENCIES/ FEMALE/ HEPATIC COMA, drug therapy/ HEPATIC COMA, mortality/ *HEPATIC COMA, therapy/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS

2026. **Konaga E:** Action mechanism in vitro of sensitized regional lymph node cells on target cell. II. Difference in the biological effect of regional lymph node cells of Ehrlich cancer transplanted mouse and that of normal lymph node cells induced by PHA, on Ehrlich cancer cell line (JTC-11 cell).
Acta Med Okayama 26:99-117, Aug 72
ANIMAL EXPERIMENTS/ ANTIGENS, NEOPLASM/ *CARCINOMA, EHRLICH TUMOR, immunology/ CARCINOMA, EHRLICH TUMOR, pathology/ CELL LINE/ CELL NUCLEUS/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ LYMPH NODES, immunology/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ MICROSCOPY, PHASE CONTRAST/ NEOPLASM TRANSPLANTATION/ *PLANT AGGLUTININS, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ TRYPSIN, pharmacodynamics

2027. **König PA, Buck W:** Enzym-histotopochemische Untersuchungen zur Funktion fetaler Gonaden.
Med Welt 23:1917-9, 16 Dec 72 (Ger)
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ FEMALE/ *FETUS, enzymology/ GESTATIONAL AGE/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT, NEWBORN/ ISOCITRATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ OVARY, embryology/ *OVARY, enzymology/ PREGNANCY/ SUCCINATE DEHYDROGENASE, metabolism/ TESTIS, embryology/ *TESTIS, enzymology

2028. **Kono T:** [Clinical description of idiopathic aldosteronism] Jap J Nurs Art 19:46-52, May 73 (J
HYPERALDOSTERONISM/ SPECIAL LIST NURSING

2029. **Konstantinov MV, Nevorotin AI:** Ul'trastruktur perednei doli ipofiza pri gipertermii.
Patol Fiziol Eksp Ter 17:32-40, Mar-Apr 73 (R
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HEAT, adverse effects/ MALE MICROSCOPY, ELECTRON/ *PITUITARY GLAND, pathology/ RATS

2030. **Koob GF, Annau Z:** Effect of hypoxia on hypothala mechanisms. Am J Physiol 224:1403-8, Jun
AMPHETAMINE/ ANIMAL EXPERIMENTS/ *ANOXIA, physiopathology/ *BEHAVIOR, ANIMAL/ BRAIN CHEMISTRY/ CARBON DIOXIDE/ CATECHOLAMINES/ CIRCADIAN RHYTHM/ CONDITIONING, OPERANT/ DRINKING/ EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTE HOUSING, ANIMAL/ HYPOTHALAMUS, physiopathology/ MALE/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ RATS/ SELF STIMULATION/ STEREOTAX TECHNICS

2031. **Koopman JJ, Wijbenga A:** Vruchtbaarheid en melkproduktie bij FH-koeien in Noord-Holla
Tijdschr Diergeneeskd 98:565-77, 15 Jun 73 (D
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CATTLE/ ENGLISH ABSTRACT/ FEMALE *FERTILITY/ *LACTATION/ *MILK/ PREGNANCY/ TIME FACTORS

2032. **Koopman WJ, Gillis MH, David JR:** Prevention of activity by agents known to increase cellular cy AMP. J Immunol 110:1609-14, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CELL MIGRA INHIBITION/ *EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ *ISOPROTERENOL, pharmacodynamics/ MACROPHAGES, drug effects/ MACROPHAGES, immunology/ *MACROPHAGES, physiology/ *PROSTAGLANDINS, pharmacodynamics

2033. **Kopito LE, Kosasky HJ, Sturgis SH, et al:** Water electrolytes in human cervical mucus.
Fertil Steril 24:499-506, Jul 73
ADULT/ CALCIUM, analysis/ *CERVIX MUCUS, analysis/ COPPER, analysis/ FEMALE/ HUMAN/ IRON, analysis/ MAGNESIUM, analysis/ *OVULATION/ POTASSIUM, analysis/ *SODIUM, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ *WATER, analysis/ ZINC, analysis

2034. **Koppikar DD, Sirsat MV:** A malignant Sertoli tumour of the testis. Br J Urol 45:213-7, Ap
ADULT/ CASTRATION/ GYNECOMASTIA, complications/ HUMAN/ MALE/ *SERTOLI CELL TUMOR, pathology/ SERTOLI CELL TUMOR, radiotherapy/ SERTOLI CELL TUMOR, surgery/ *TESTICULAR NEOPLA pathology/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

2035. **Kopyść Z, Cencora A, Ariet J:** Embriodyspla cechach niepełnego zespołu Albrighta.
Pediatr Pol 48:617-22, May 73
CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, diagnosis/ *FIBROUS DYSPLASIA OF BO diagnosis/ FIBROUS DYSPLASIA OF BON embryology/ HUMAN/ MALE/

PIGMENTATION DISORDERS, diagnosis/ PUBERTY, PRECOCIOUS, diagnosis

Korbitz BC: Three primary malignancies occurring within fourteen months in the same patient. J Am Geriatr Soc 21:330-2, Jul 73
AGED/ BLOOD TRANSFUSION/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ CASE REPORT/ *CYSTADENOMA, PAPILLARY, complications/ CYSTADENOMA, PAPILLARY, radiotherapy/ CYSTADENOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKEMIA, MYELOCYTIC, etiology/ LEUKEMIA, MYELOCYTIC, therapy/ *NEOPLASMS, MULTIPLE PRIMARY/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ RADIOTHERAPY, adverse effects

Korenman SG, Sherman BM: Further studies of gonadotropin and estradiol secretion during the preovulatory phase of the human menstrual cycle. J Clin Endocrinol Metab 36:1205-9, Jun 73
*ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ *LH, blood/ *MENSTRUATION/ OVULATION/ TIME FACTORS

Korf J, Schutte HH, Venema K: A semiautomated fluorometric determination of 5-hydroxyindoles in the nanogram range. Anal Biochem 53:146-53, May 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS/ AUTOANALYSIS, instrumentation/ BRAIN, drug effects/ BRAIN, metabolism/ P-CHLOROPHENYLALANINE, pharmacodynamics/ COMPARATIVE STUDY/ FLUOROMETRY/ HUMAN/ *HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ METHODS/ MICROCHEMISTRY/ PROBENECID, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ SEROTONIN, metabolism

Korochkin IM, Oganov RG: Sostoianie simpatiko-adrenalovoi sistemy pri zastoinoi serdechnoi nedostatochnosti. Kardiologiia 13:140-51, Mar 73 (114 ref.) (Rus)
*ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CATECHOL METHYLTRANSFERASE, metabolism/ DOGS/ DOPAMINE, urine/ EPINEPHRINE, blood/ EPINEPHRINE, pharmacodynamics/ EPINEPHRINE, urine/ HEART, drug effects/ HEART ENLARGEMENT, complications/ HEART FAILURE, CONGESTIVE, blood/ HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, enzymology/ HEART FAILURE, CONGESTIVE, metabolism/ *HEART FAILURE, CONGESTIVE, physiopathology/ HEART FAILURE, CONGESTIVE, urine/ HUMAN/ MONOAMINE OXIDASE, metabolism/ MYOCARDIUM, enzymology/ NOREPINEPHRINE, biosynthesis/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, pharmacodynamics/ NOREPINEPHRINE, urine/ RABBITS/ REVIEW/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TYROSINE HYDROXYLASE, metabolism/ VANILMANDELIC ACID, urine

Korochkin LI, Belyaeva S: Differential activity of homologous chromosome loci in ontogenesis. Sov J Dev Biol 3:7-18, Jan-Feb 72 (128 ref.)
*ALLELES/ ANIMAL EXPERIMENTS/ BIRDS/ CYTOGENETICS/ DROSOPHILA MELANOGASTER/ ENZYMES, biosynthesis/ FISHES/ GENES/ GENOTYPE/ HETEROZYGOTE/ HUMAN/ INSECTS/ MICE/ MOSAICISM/ *PHENOTYPE/ POLYMORPHISM (GENETICS)/ RANA PIPIENS/ REVIEW/ SEX CHROMOSOMES/ XENOPUS

Korting GW: Oestrogene als Zusatz in Kopfwässern. Hautarzt 24:130-1, Mar 73 (Ger)
*ALOPECIA, drug therapy/ ESTROGENS, administration & dosage/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ SOLUTIONS

2042. **Korting GW:** Balanitis circumscripta plasmacellularis (Zoon. Hautarzt 24:172, Apr 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ BALANITIS, drug therapy/ *BALANITIS, etiology/ CHRONIC DISEASE/ HUMAN/ MALE/ SYNDROME

2043. **Kosasky HJ, Kopito LE, Sturgis SH, et al:** Changes in water and electrolytes in human cervical mucus during treatment with chlormadinone acetate. Fertil Steril 24:507-11, Jul 73
ADMINISTRATION, ORAL/ ADULT/ CALCIUM, analysis/ *CERVIX MUCUS, analysis/ CERVIX MUCUS, drug effects/ CHLORMADINONE, administration & dosage/ *CHLORMADINONE, pharmacodynamics/ DEHYDRATION, chemically induced/ FEMALE/ HUMAN/ LH, blood/ MAGNESIUM, analysis/ OVULATION/ *POTASSIUM, analysis/ *SODIUM, analysis/ TIME FACTORS/ WATER, analysis/ ZINC, analysis

2044. **Kosokovic F, Lenarcic-Cepelja I:** Surgical therapy of dysphonia plica ventricularis. Ann Otol Rhinol Laryngol 82:386-8, May-Jun 73
ANESTHESIA, LOCAL/ CICATRIX, prevention & control/ CORTISONE, administration & dosage/ CORTISONE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTROPHY, surgery/ INHALATION THERAPY/ LARYNGOSCOPY/ LARYNX, physiopathology/ MALE/ METHODS/ MIDDLE AGE/ MUCOUS MEMBRANE, surgery/ SPEECH DISORDERS, diagnosis/ SPEECH DISORDERS, etiology/ *SPEECH DISORDERS, surgery/ TRANQUILIZING AGENTS, therapeutic use/ VOCAL CORDS, physiopathology/ *VOICE

2045. **Kossoff G:** Improved techniques in ultrasonic cross sectional echography. Ultrasonics 10:221-7, Sep 72
ADULT/ BREAST, anatomy & histology/ EYE, anatomy & histology/ FEMALE/ FETUS, anatomy & histology/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ OSCILLOMETRY/ PREGNANCY/ TRANSDUCERS/ *ULTRASONICS, diagnostic use

2046. **Kostowski W, Kwiatkowska B, Widy-Tyszkiewicz E:** The action of some catecholamines and 5-hydroxytryptamine on heart in lower vertebrates. Acta Physiol Pol 24:275-9, Jan-Feb 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CYPRINIDAE/ EPINEPHRINE, pharmacodynamics/ FROGS/ *HEART, drug effects/ HEART RATE, drug effects/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RANA TEMPORARIA/ SEASONS/ *SEROTONIN, pharmacodynamics/ SNAKES

2047. **Kostyo JL, Nutting DF:** Acute in vivo effects of growth hormone on protein synthesis in various tissues of hypophysectomized rats and their relationship to the levels of thymidine factor and insulin in the plasma. Horm Metab Res 5:167-72, May 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ CATTLE/ DIAPHRAGM/ FEMALE/ HYPOPHYSECTOMY/ *INSULIN, blood/ INSULIN, metabolism/ ISOTOPE LABELING/ KIDNEY, metabolism/ LEUCINE, metabolism/ LIVER, metabolism/ MUSCLE PROTEINS, biosynthesis/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PITUITARY GLAND, physiology/ *PROTEINS, biosynthesis/ RATS/ *SOMATOMEDIN, blood/ SOMATOMEDIN, metabolism/ *SOMATOTROPIN, pharmacodynamics/ THYMIDINE, metabolism/ THYMUS GLAND, metabolism/ TIME FACTORS/ TRITIUM

2048. **Kotb MM:** Osobennosti povrezhdaiuschego deistviia

LIBRARY U. OF I. URBANA-CHAMPAIGN

strukturnogo analoga antimaliarilnogo sredstva khloridina (preparata IEM-687)na raznykh stadiiakh embriogeneza belykh krys.
Arkh Anat Gistol Embriol 63:88-96, Aug 72 (Rus)
ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, DRUG-INDUCED/ *ABNORMALITIES, MULTIPLE, chemically induced/ AMINES, toxicity/ ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ BRAIN DAMAGE, CHRONIC, chemically induced/ DIAPHRAGM, abnormalities/ ENGLISH ABSTRACT/ EXTREMITIES, abnormalities/ EYE, abnormalities/ FACIAL BONES, abnormalities/ FEMALE/ KIDNEY, abnormalities/ PREGNANCY/ *PYRIMIDINES, toxicity/ RATS

2049. **Kothari LK, Mishra P, Mishra RK:** Effect of bilateral vasectomy on the structure and function of the testes.
Am J Surg 126:84-8, Jul 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CONNECTIVE TISSUE/ DOGS/ EPIDIDYMIS, physiopathology/ EPITHELIUM/ LEYDIG CELLS/ MALE/ ORGAN WEIGHT/ SEMINAL VESICLES, pathology/ SERTOLI CELLS/ SPERMATOGENESIS/ SPERMATOZOA/ TESTIS, anatomy & histology/ TESTIS, pathology/ TESTIS, physiology/ *TESTIS, physiopathology/ TIME FACTORS/ *VASECTOMY

2050. **Kotliarov EV, Lysenko VF:** Interpretatsiia rezul'tatov kompleksnogo radioizotopnogo issledovaniia funktsii shchitovidnof zhelezy pri "blokade" preparatami foda i broma.
Med Radiol (Mosk) 17:33-7, Oct 72 (Rus)
BROMINE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE, metabolism/ IODINE, pharmacodynamics/ *IODINE ISOTOPES, DIAGNOSTIC/ TECHNETIUM, diagnostic use/ THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS/ THYROXINE-BINDING PROTEIN, metabolism

2051. **Kotoh K, Huseby RA, Baldi A, et al:** Effects of diethylstilbestrol on hybridizability of mouse testicular RNA. Cancer Res 33:1247-52, Jun 73
ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CYTOSINE NUCLEOTIDES/ DIETHYLSTILBESTROL/ *DIETHYLSTILBESTROL, pharmacodynamics/ DNA, biosynthesis/ DNA, isolation & purification/ GUANOSINE TRIPHOSPHATE/ LIVER, analysis/ MALE/ MICE/ MICE, INBRED BALB C/ NEOPLASMS, EXPERIMENTAL/ *NUCLEIC ACID HYBRIDIZATION/ *RNA/ RNA, biosynthesis/ RNA, isolation & purification/ RNA POLYMERASE, metabolism/ TESTICULAR NEOPLASMS, chemically induced/ TESTICULAR NEOPLASMS, metabolism/ *TESTIS, analysis/ TRITIUM/ URACIL NUCLEOTIDES/ URIDINE, metabolism

2052. **Kotova SA:** Vliianie nekotorykh gormonov na "barabannye palochki" iader neitrofilov u samok i samtsov morskikh svnok.
Probl Endokrinol (Mosk) 19:95-9, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *CELL NUCLEUS, drug effects/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ *HORMONES, pharmacodynamics/ LEUKOCYTE COUNT/ MALE/ *NEUTROPHILS, drug effects/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2053. **Kotte W, Kunze P, Eichhorn D:** Die familiäre asphyxierende Thoraxdystrophie (Maladie de Jeune). Ein Beitrag zur Differentialdiagnose des disproportionierten Zwergwuchses.
Kinderaerztl Prax 40:83-92, Feb 72 (Ger)
ASPHYXIA, diagnosis/ *ASPHYXIA, etiology/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, complications/ *DWARFISM, diagnosis/ DWARFISM, familial & genetic/ ELLIS-VAN CREVELD SYNDROME, diagnosis/ HUMAN/ INFANT/ MALE/ THORACIC DISEASES, complications/ THORACIC DISEASES, diagnosis/ *THORACIC DISEASES, familial genetic

2054. **Kounis NG:** Treatment of status asthmaticus
Br Med J 2:663-4, 16 Jun 73
*ASTHMA, drug therapy/ HUMAN/ HYDROCORTISONE, administration & dosag HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAVENOUS/ PARESTHES chemically induced

2055. **Kovačev VP, Spirovski M:** Vlijanie na tiroidektomi tiroksinot vrz osetlivosta na masnogo tkivo lipolitičnite hormoni in vitro.
God Zb Med Fak Skopje 18:105-11, 1972
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ *FATT ACIDS, NONESTERIFIED, metabolism/ *GLUCAGON, pharmacodynamics/ IN VITR RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ *THYROTROPIN, pharmacodynamics/ *THYROXINE, administration & dosage

2056. **Kovačev VP, Spirovski M:** Vlijanie na tiroidektomi tirosksinov vrz slobodnite masni kiselini vo pl glikemijata i ketonskite tela vo krvta.
God Zb Med Fak Skopje 18:31-7, 1972
ANIMAL EXPERIMENTS/ *BLOOD SUGAR ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ *KETONE BODI blood/ MALE/ RATS/ *THYROIDECTOMY *THYROXINE, pharmacodynamics

2057. **Kovács K:** Pituitary necrosis in diabetes me
Acta Diabetol Lat 9:958-71, Nov-Dec 72
AGE FACTORS/ AGED/ AUTOPSY/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, pathology/ ENGLI ABSTRACT/ FEMALE/ HUMAN/ INFARCTION/ INSULIN, adverse effects/ ISCHEMIA, etiology/ MALE/ MIDDLE AG NECROSIS/ *PITUITARY DISEASES, etio PITUITARY DISEASES, pathology/ PITUITARY GLAND, blood supply/ SEX FACTORS/ TIME FACTORS

2058. **Kovalev MM, Mellin VM:** Funktsional'noe sost kholinergicheskoĭ i simpatikoadrenalovoĭ sis bol'nykh s oslozhnennymi formami iazvennoĭ b
Klin Khir 4:4-9, Apr 73
ACETYLCHOLINE, metabolism/ ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ CHOLINESTERASE, metabolism/ FEMALE HUMAN/ MALE/ MIDDLE AGE/ *PARASYMPATHETIC NERVOUS SYSTE physiopathology/ *PEPTIC ULCER HEMORRHAGE, physiopathology/ *PEPTI ULCER PERFORATION, physiopathology/ STOMACH ULCER, complications/ STOM ULCER, enzymology/ STOMACH ULCER, metabolism/ *STOMACH ULCER, physiopathology/ *SYMPATHETIC NERV SYSTEM, physiopathology

2059. **Koyama H, Yoshida M, Sakamoto S, et al:** [A chronic myelogenous leukemia complicate hemorrhagic pericarditis during the course disease]
Jap J Clin Hematol 14:179-84, Feb 73
ADRENAL CORTEX HORMONES, therap use/ ADULT/ DIURETICS, therapeutic u ENGLISH ABSTRACT/ HEMORRHAGE, complications/ HUMAN/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKEMI MYELOCYTIC, drug therapy/ MALE/ *PERICARDITIS, complications/ PERICARDITIS, drug therapy

2060. **Koshnazarova IuS, Mezinova NN, Remizova M**
Ekskretsiia estrogenov s mochoi u bol'n predopukholevymi zabolevaniiami molochnoi
Vopr Onkol 18:23-6, 1972
ADENOFIBROMA, urine/ ADULT/ *BRE

DISEASES, urine/ BREAST NEOPLASMS, urine/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ FEMALE/ FSH, urine/ HUMAN/ LH, urine/ MENSTRUATION/ MIDDLE AGE/ *PRECANCEROUS CONDITIONS, urine

Krakoff LR: Measurement of plasma renin substrate by radioimmunoassay of angiotensin. I. Concentration in syndromes associated with steroid excess.
J Clin Endocrinol Metab 37:110-7, Jul 73
*ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CUSHING'S SYNDROME, blood/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYPERALDOSTERONISM, blood/ IODINE ISOTOPES/ KINETICS/ MALE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ *RENIN, blood

Kram R, Mamont P, Tomkins GM: Pleiotypic control by adenosine 3':5'-cyclic monophosphate: a model for growth control in animal cells.
Proc Natl Acad Sci USA 70:1432-6, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ BIOLOGICAL TRANSPORT/ BUTYRATES, pharmacodynamics/ *CELL DIVISION/ CELL MEMBRANE, metabolism/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DNA, biosynthesis/ FIBROBLASTS/ GLUCOSE, metabolism/ IMMUNE SERUMS/ LEUCINE, metabolism/ MICE/ MICE, INBRED STRAINS/ MODELS, BIOLOGICAL/ PROSTAGLANDINS, pharmacodynamics/ RNA, biosynthesis/ SV40 VIRUS/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ URIDINE, metabolism

Kramer HJ, Gonick HC: Effect of maleic acid on sodium-linked tubular transport in experimental Fanconi syndrome. Nephron 10:306-19, 1973
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, blood/ CALCIUM, urine/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FANCONI SYNDROME, metabolism/ FEMALE/ GLOMERULAR FILTRATION RATE/ INJECTIONS, INTRAPERITONEAL/ KIDNEY TUBULES, DISTAL, drug effects/ MAGNESIUM, blood/ MAGNESIUM, urine/ *MALEATES, pharmacodynamics/ NATRIURESIS/ PHOSPHATES, blood/ PHOSPHATES, urine/ POTASSIUM, blood/ POTASSIUM, urine/ RATS/ SODIUM, blood/ TIME FACTORS/ URIC ACID, blood/ URIC ACID, urine

Kraulis I, Traikov H, Li MP, et al: The effects of corticosterone, 18-OH-DOC, DOC and 11 -hydroxyprogesterone on the adrenal pituitary axis of the stressed rat. J Steroid Biochem 4:129-37, Mar 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ *CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, secretion/ DESOXYCORTICOSTERONE, biosynthesis/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ HYDROXYCORTICOSTEROIDS, biosynthesis/ *HYDROXYCORTICOSTEROIDS, pharmacodynamics/ HYDROXYPROGESTERONE, pharmacodynamics/ IN VITRO/ KETOSTEROIDS, biosynthesis/ MALE/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PROGESTERONE, pharmacodynamics/ RATS/ STRESS, blood/ *STRESS, metabolism/ THYMUS GLAND, drug effects

2065. **Kraus SD:** Adrenal and plasma corticosterone and pituitary and plasma ACTH in alloxan diabetic rats.
Proc Soc Exp Biol Med 143:460-4, Jun 73
ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, physiopathology/ ALLOXAN DIABETES, pathology/ *ALLOXAN DIABETES, physiopathology/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE/ CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ *CORTICOTROPIN/ CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, blood/ FEMALE/ MALE/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiopathology/ RATS

2066. **Krause M:** Ein Beitrag zur operativen Behandlung der Osteogenesis imperfecta im Kindesalter.
Langenbecks Arch Chir 331:357-65, 29 Dec 72 (Ger)
AGE FACTORS/ CASTS, SURGICAL/ CHILD/ CHILD, PRESCHOOL/ CONTRACTURE, prevention & control/ ENGLISH ABSTRACT/ FEMORAL FRACTURES, etiology/ FOLLOW-UP STUDIES/ FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ LOCOMOTION/ MALE/ MUSCULAR ATROPHY, etiology/ OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, radiography/ *OSTEOGENESIS IMPERFECTA, surgery/ OSTEOTOMY/ PHYSICAL THERAPY

2067. **Krauz VA, Lapina IA:** Vliianie priamogo élektricheskogo i khimicheskogo razdrazheniia na vozbudimost' iader gipotalamusa i reaktsiiu samostimuliatsii u sobak.
Zh Vyssh Nerv Deiat 22:1226-33, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ BRAIN CHEMISTRY/ CEREBRAL CORTEX, physiology/ DOGS/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ EMOTIONS/ ENGLISH ABSTRACT/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ METHODS/ MOTOR ACTIVITY/ OCCIPITAL LOBE, physiology/ *PARASYMPATHOLYTICS, pharmacodynamics/ PARIETAL LOBE, physiology/ RETICULAR FORMATION, physiology/ *SELF STIMULATION/ SLEEP/ SLEEP STAGES/ TEMPORAL LOBE, physiology

2068. **Krawitt EL:** Ethanol inhibits intestinal calcium transport in rats. Nature 243:88-9, 11 May 73
ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DUODENUM, metabolism/ ILEUM, metabolism/ *INTESTINE, SMALL, metabolism/ RATS/ TIME FACTORS

2069. **Krček L, Svoboda J:** Experimentální ovlivnění kostního metabolismu (studie pomocí 85 Sr.
Acta Chir Orthop Traumatol Cech 40:97-103, Apr 73 (Cze)
ACID-BASE EQUILIBRIUM/ AMMONIUM CHLORIDE, administration & dosage/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ RATS/ STRONTIUM ISOTOPES, metabolism

2070. **Křeček J:** Sex differences in salt taste: the effect of testosterone. Physiol Behav 10:683-8, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ *DRINKING/ DRINKING BEHAVIOR, drug effects/ FEMALE/ HOUSING, ANIMAL/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/

LIBRARY U. OF I., URBANA-CHAMPAIGN

OSMOLAR CONCENTRATION/ PROPIONATES/ RATS/ SEX FACTORS/ SOCIAL ISOLATION/ *SODIUM CHLORIDE/ SOLUTIONS/ *TASTE, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

2071. **Kreel L:** Radiology of the thymus.
Proc R Soc Med 66:157-8, Feb 73
ANGIOGRAPHY/ HUMAN/ METHODS/ PHLEBOGRAPHY/ PNEUMOMEDIASTINUM, DIAGNOSTIC/ THYMOMA, radiography/ *THYMUS GLAND, radiography/ THYMUS NEOPLASMS, radiography

2072. **Krémers P:** Nouveau dosage radioisotopique de la 17 alpha-hydroxylase stéroïdienne.
C R Acad Sci [D] (Paris) 276:1021-4, 5 Feb 73 (Fre)
*ADRENAL GLANDS, enzymology/ ENDOPLASMIC RETICULUM/ HYDROXYLATION/ KINETICS/ METHODS/ PREGNENOLONE/ PROGESTERONE/ *STEROID HYDROXYLASES, analysis/ TRITIUM/ WATER

2073. **Kremneva LF:** Kharakteristika narushenii psikhicheskogo razvitiia detei 1 podrostkov s vrozhdennymi porokami serdtsa tsianoticheskogo tipa.
Zh Nevropatol Psikhiatr 73:579-82, 1973 (Rus)
ABNORMALITIES, MULTIPLE, etiology/ ADOLESCENCE/ AFFECTIVE DISTURBANCES, etiology/ ANOXIA, surgery/ ASTHENIA, etiology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, etiology/ *HEART DEFECTS, CONGENITAL, complications/ HUMAN/ INFANTILISM, etiology/ *MENTAL DISORDERS, etiology/ MENTAL RETARDATION, etiology/ MOVEMENT DISORDERS, etiology/ NEUROLOGIC MANIFESTATIONS/ SLEEP DISORDERS, etiology/ TETRALOGY OF FALLOT, complications

2074. **Kreutzberger A, Schröders HH:** Bildung und virushemmende Wirksamkeit von N-(Adamantyl-(1))-thioharnstoffen.
Arch Pharm (Weinheim) 305:907-13, Dec 72 (Ger)
*AMANTADINE, chem synthesis/ *ANTIVIRAL AGENTS, chem synthesis/ CHEMISTRY/ ENGLISH ABSTRACT/ MASS SPECTRUM ANALYSIS/ SPECTROPHOTOMETRY, INFRARED/ THIOCYANATES, chem synthesis/ *THIOUREA, chem synthesis

2075. **Kreuzer W:** Thyreostatika als Masthilfsmittel.
Munch Med Wochenschr 115:471, 16 Mar 73 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *FOOD CONTAMINATION/ MALE/ MEAT/ POULTRY/ *THYROID ANTAGONISTS

2076. **Kreysel HW, Garbers H:** Wirkungen und Nebenwirkungen der Kortikosteroide, insbesondere von Fluprednisolon.
Munch Med Wochenschr 115:461-5, 16 Mar 73 (Ger)
ADMINISTRATION, ORAL/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD CHEMICAL ANALYSIS/ BODY WEIGHT/ CHEMISTRY/ DELAYED-ACTION PREPARATIONS/ DIABETES MELLITUS, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ EOSINOPHILS, drug effects/ FEMALE/ *FLUPREDNISOLONE, adverse effects/ FLUPREDNISOLONE, therapeutic use/ HUMAN/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ PNEUMONIA, etiology/ SKIN DISEASES, drug therapy

2077. **Krieger DT:** Neurotransmitter regulation of ACTH release. Mt Sinai J Med NY 40:302-14, May-Jun 73
ADRENERGIC ALPHA RECEPTOR AGONISTS, administration & dosage/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ AGE FACTORS/ ANIMA EXPERIMENTS/ BRAIN/ CEREBRAL VENTRICLES/ CIRCADIAN RHYTHM/ CONSCIOUSNESS/ *CORTICOTROPIN, secretion/ *CORTICOTROPIN RELEASING FACTOR, physiology/ DOPAMINE, pharmacodynamics/ FEEDBACK/ INJECTION METHODS/ NEUROHUMORS, administration dosage/ *NEUROHUMORS, pharmacodynamic *NEUROSECRETION/ NOREPINEPHRINE, pharmacodynamics/ PARASYMPATHOMIMETICS, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM/ SEROTONIN, pharmacodynamics/ SEX FACTORS/ STRESS, physiopathology/ TIME FACTORS

2078. **Krishnaswamy K, Raghuram TC:** Effect of leucine isoleucine on brain serotonin concentration in
Life Sci [II] 11:1191-7, 22 Dec 72
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ DEPRESSION, CHEMICAL/ DIET/ DRUG INTERACTIONS FEMALE/ *ISOLEUCINE, pharmacodynamic LEUCINE, adverse effects/ LEUCINE, antagonists & inhibitors/ LEUCINE, metabolism/ *LEUCINE, pharmacodynamics MALE/ NICOTINAMIDE, pharmacodynamics NICOTINIC ACID, pharmacodynamics/ PELLAGRA, chemically induced/ PELLAG metabolism/ RATS/ *SEROTONIN, analysis SEROTONIN, antagonists & inhibitors

2079. **Kristal MB:** Effects of lateral hypothalamic lesio placentophagia in virgin, primiparous, and multiparous rats.
J Comp Physiol Psychol 84:53-62, Jul 73
ANIMAL EXPERIMENTS/ *EATING/ ELECTRODES, IMPLANTED/ FEMALE/ *HYPOTHALAMUS, physiology/ LABOR/ *PARITY/ *PLACENTA/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ STEREOTAXIC TECHNICS

2080. **Kroneberg HG:** Des substances de synthèse à ac digitalique.
Actual Pharmacol (Paris) 25:157-77, 1972
ADENOSINE TRIPHOSPHATASE, metabol AMINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARDANOLIDES, pharmacodynamics/ *DIGITALIS GLYCOSI pharmacodynamics/ DIGITOXIN, pharmacodynamics/ FROGS/ *GUANIDINE pharmacodynamics/ GUINEA PIGS/ *HEA drug effects/ HUMAN/ IN VITRO/ MYOCARDIUM, metabolism/ *PREGNANE pharmacodynamics/ *PREGNENES, pharmacodynamics/ RABBITS/ RATS

2081. **Krstić MK:** The origin of the hypertensive eff arecoline in rats. Pharmacology 9:16-26, 1
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMI *ARECOLINE/ ARECOLINE, pharmacodynamics/ ARTERIES, drug effe ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CHEMORECEP drug effects/ COCAINE, pharmacodynami DRUG SYNERGISM/ FEMALE/ GANGLI BLOCKADERS, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *HYPERTENSION, chemically induced/ HYPOTENSION, chemically induced/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ MALE/ NICOTINE, pharmacodynamics/ PARASYMPATHOLY pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ VAGOTOMY/ VAGUS NERVE, physiology

2082. **Krug K, Preuss EG:** Nikrotisierende Arteri Glukokortikoid-Langzeitbehandlung.
Z Gesamte Inn Med 28:123-5, 15 Apr 73
ADOLESCENCE/ ADULT/ *ARTERITIS, chemically induced/ ARTHRITIS, JUVEN RHEUMATOID, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug th MALE/ MIDDLE AGE/ NECROSIS/

*PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SJOGREN'S SYNDROME, drug therapy/ TIME FACTORS

Krugman ME, Rosin HD, Toker C: Synovial sarcoma of the head and neck. Arch Otolaryngol 98:53-4, Jul 73
COBALT ISOTOPES, therapeutic use/ HEAD/ HUMAN/ MALE/ MIDDLE AGE/ *NECK NEOPLASMS/ NECK NEOPLASMS, pathology/ NECK NEOPLASMS, radiotherapy/ NECK NEOPLASMS, surgery/ NEOPLASM RECURRENCE, LOCAL/ *SYNOVIOMA/ SYNOVIOMA, pathology/ SYNOVIOMA, radiotherapy/ SYNOVIOMA, surgery/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

Kruse HP, Kuhlencordt F, Wieners H: Vergleichende Untersuchung histologischer, mikroradiographischer und röntgenologischer Skeletbefunde beim Hyperparathyreoidismus.
Radiologe 13:155-9, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ *BONE AND BONES, radiography/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, SECONDARY, pathology/ *HYPERPARATHYROIDISM, SECONDARY, radiography/ MALE/ MICRORADIOGRAPHY/ MIDDLE AGE/ PELVIC BONES, pathology

Kryczka S: Gospodarka wapniem, fosforem i magnezem u krów w różnych warunkach żywieniowych z uwzględnieniem efektów klinicznych niedoboru tych pierwiastków.
Pol Arch Weter 15:767-82, 1972 (Pol)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ *CATTLE, metabolism/ DEFICIENCY DISEASES, metabolism/ DEFICIENCY DISEASES, veterinary/ ENGLISH ABSTRACT/ FEMALE/ *MAGNESIUM, metabolism/ *PHOSPHATES, metabolism

Kubacki J, Konecki J, Grzybek H: Wpływ tyroksyny i hydrokortyzonu na ultrastrukturę wątroby szczurów.
Endokrynol Pol 24:161-9, 1973 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, cytology/ LIVER, drug effects/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, drug effects/ RATS/ *THYROXINE, pharmacodynamics

Kubányi E: Heilwirkung des Karpfenhypophysenhormons beim Alopeziesyndrom.
Dermatol Monatsschr 159:56-8, Jan 73 (Ger)
*ALOPECIA, drug therapy/ CYPRINIDAE/ HUMAN/ HYPOPHYSECTOMY/ MSH, therapeutic use/ *PITUITARY HORMONES, therapeutic use/ TREPHINING

Kubli F: Der septische Abort.
Med Klin 68:500-4, 20 Apr 73 (Ger)
*ABORTION, SEPTIC/ ABORTION, SEPTIC, diagnosis/ ABORTION, SEPTIC, physiopathology/ ABORTION, SEPTIC, surgery/ ABORTION, SEPTIC, therapy/ ADRENAL CORTEX HORMONES, therapeutic use/ BLOOD COAGULATION, drug effects/ BLOOD VESSELS, drug effects/ CHLORAMPHENICOL, therapeutic use/ CLOSTRIDIUM/ ENDOTOXINS, pharmacodynamics/ FEMALE/ HUMAN/ HYSTERECTOMY/ INFUSIONS, PARENTERAL/ ISOPROTERENOL, therapeutic use/ MICROCIRCULATION, drug effects/ PENICILLIN, therapeutic use/ PLASMA SUBSTITUTES, therapeutic use/ PREGNANCY/ TOXINS, pharmacodynamics

Kuboki Y, Sasaki S, Saito J, et al: Segment-long-spacing aggregate from pepsin-solubilized bone collagen.
Bull Tokyo Med Dent Univ 20:121-9, Mar 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ CATTLE/ *COLLAGEN, analysis/ ELECTROPHORESIS, DISK/ MICROSCOPY, ELECTRON/ PEPSIN

2090. **Kubota H, Homma J, Ozawa T, et al:** [Experimental study on perfusion-ventilation of the lung--combined use of adrenal cortiocosteroids and pluronic-F 68 for the prevention of postperfusion lung syndrome]
Respir Circ (Tokyo) 20:159-63, Feb 72 (Jap)
*ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ ETHYLENE OXIDE, therapeutic use/ *EXTRACORPOREAL CIRCULATION, adverse effects/ *GLYCOLS, therapeutic use/ *LUNG DISEASES, prevention & control/ PERFUSION/ POLYMERS, therapeutic use/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PROPIONATES, therapeutic use/ *SURFACE-ACTIVE AGENTS, therapeutic use

2091. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins. X. Relationship between serum citrate-lowering and leukocytes-increasing actions of saliva-parotin-A]
J Pharm Soc Jap 92:808-10, Jul 72 (Jap)
*CITRATES, blood/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ *LEUKOCYTES/ PAROTIN, pharmacodynamics/ *SALIVA/ STIMULATION, CHEMICAL

2092. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities]
J Pharm Soc Jap 92:871-3, Jul 72 (Jap)
*ACID PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ MALE/ PAROTIN, pharmacodynamics/ RABBITS/ THYROCALCITONIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2093. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins XI. Effect of saliva-parotin-A on phosphatase activities]
J Pharm Soc Jap 92:844-9, Jul 72 (Jap)
ACID PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ MALE/ PAROTIN, pharmacodynamics/ *PHOSPHATASES, metabolism/ PROSTATE, enzymology/ RABBITS/ *SALIVA, analysis

2094. **Kubota Y, Ueki H, Shoji H, et al:** [Biochemical studies on human salivary proteins. 8. Separation of a parotin-like substance from human saliva under mild conditions]
J Pharm Soc Jap 92:796-800, Jul 72 (Jap)
ADULT/ CALCIUM, blood/ CHROMATOGRAPHY/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FEMALE/ *HORMONES, isolation & purification/ HUMAN/ LEUKOCYTES/ MALE/ PAROTIN, isolation & purification/ *SALIVA, analysis

2095. **Kudinskii IuG:** Diagnosticheskoe znachenie opredeleniia iodidperoksidaznoi aktivnosti follikuliarnykh kletok shchitovidnoi zhelezy pri razlichnykh formakh zoba, zlokachestvennykh opukholiakh i autoimmunnykh tireoiditakh.
Probl Endokrinol (Mosk) 19:26-30, Mar-Apr 73 (Rus)
*AUTOIMMUNE DISEASES, enzymology/ AUTOIMMUNE DISEASES, metabolism/ BIOPSY, NEEDLE/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ ENZYME TESTS/ *GOITER, enzymology/ GOITER, metabolism/ HUMAN/ IODINE, metabolism/ METHODS/ *PEROXIDASES, analysis/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ *THYROID NEOPLASMS, enzymology/ THYROID NEOPLASMS, metabolism/ *THYROIDITIS, enzymology/ THYROIDITIS, metabolism

LIBRARY U. OF I., URBANA-CHAMPAIGN

2096. **Kühn RA, Hansen C, Müller W:** Zur Klinik der Virusgrippe. Verlauf und Komplikationen bei einem 2jährigen Krankengut.
Z Gesamte Inn Med 28:136-40, 1 Mar 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AMINOPYRINE, therapeutic use/ ANTIBIOTICS, therapeutic use/ CHILD/ ELECTROCARDIOGRAPHY/ ENCEPHALITIS, complications/ ENGLISH ABSTRACT/ FEMALE/ GAMMA GLOBULIN, therapeutic use/ GASTROINTESTINAL DISEASES, complications/ HEART DISEASES, complications/ HUMAN/ INFLUENZA, complications/ *INFLUENZA, diagnosis/ INFLUENZA, drug therapy/ MALE/ MIDDLE AGE/ MYOCARDITIS, complications/ PNEUMONIA, complications/ PREDNISONE, therapeutic use

2097. **Kulshreshtha A, Dominic CJ:** ACTH inhibition of dehydration-induced changes in the hypothalamic neurosecretory system of the musk shrew, suncus murinus L. Indian J Med Res 60:1032-7, Jul 72
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, therapeutic use/ DEHYDRATION, metabolism/ DEHYDRATION, pathology/ *DEHYDRATION, prevention & control/ DEPRESSION, CHEMICAL/ FEMALE/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMUS, pathology/ HYPOTHALAMUS, secretion/ MALE/ *SHREWS/ SODIUM CHLORIDE/ VASOPRESSIN, secretion

2098. **Kumar AS, Grewal DS, Chakravarti RN, et al:** Effect of nitrogen mustard and corticoids on experimentally produced villonodular synovitis.
Indian J Med Res 60:724-30, May 72
ANIMAL EXPERIMENTS/ ANKLE JOINT/ *HYDROCORTISONE, therapeutic use/ KNEE JOINT/ MACACA/ MONKEYS/ NITROGEN MUSTARD COMPOUNDS, adverse effects/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ *SYNOVITIS, drug therapy

2099. **Kumar MS, Deodhar SD:** Radioimmunoassay for plasma renin activity. Cleve Clin Q 40:63-71, Summer 73
ANGIOTENSIN, biosynthesis/ BLOOD PROTEINS/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, blood/ MALE/ RADIOIMMUNOASSAY/ RENAL ARTERY OBSTRUCTION, blood/ *RENIN, blood

2100. **Kumar PJ, Silk DB, Marks R, et al:** Treatment of dermatitis herpetiformis with corticosteroids and a gluten-free diet: a study of jejunal morphology and function. Gut 14:280-3, Apr 73
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BIOPSY/ CELL COUNT/ DERMATITIS HERPETIFORMIS, complications/ *DERMATITIS HERPETIFORMIS, drug therapy/ *DIET THERAPY/ GLUCOSE, metabolism/ *GLUTEN/ HUMAN/ INTESTINAL ABSORPTION/ JEJUNUM, metabolism/ JEJUNUM, pathology/ *JEJUNUM, physiopathology/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ SPRUE, etiology/ WATER-ELECTROLYTE BALANCE

2101. **Kung HF, Fox JE, Spears C, et al:** Studies on the role of ribosomal proteins L 7 and L 12 in the in vitro synthesis of -galactosidase.
J Biol Chem 248:5012-5, 25 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALCOHOL, ETHYL/ AMMONIUM CHLORIDE/ BACTERIAL PROTEINS, isolation & purification/ *BACTERIAL PROTEINS, pharmacodynamics/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COLIPHAGES/ DNA, VIRAL, pharmacodynamics/ ESCHERICHIA COLI, cytology/ *ESCHERICHIA COLI, metabolism/ *GALACTOSIDASE, biosynthesis/ GLYCOLS, pharmacodynamics/ GLYCOSIDES, pharmacodynamics/ GUANINE NUCLEOTIDES, pharmacodynamics/ HEAT/ RIBOSOMES, drug effects/ *RIBOSOMES, metabolism/ SOLUBILITY

2102. **Kunze K:** Myasthenia gravis pseudoparalytica. Klinik, Pathogenese, Therapie.
Med Klin 68:723-30, 1 Jun 73 (G
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AMBENONIUM CHLORIDE, therapeutic use/ CHOLINESTERASE INHIBITORS, therapeuti use/ EDROPHONIUM CHLORIDE, diagnostic use/ EDROPHONIUM CHLORIDE, therapeut use/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, therapy/ NEOSTIGMINE, therapeutic use/ PYRIDOSTIGMINE BROMIDE, therapeutic u RESPIRATORY FUNCTION TESTS/ THYMECTOMY/ TIME FACTORS

2103. **Kuo JF, Greengard P:** An assay method for cyclic A and cyclic GMP based upon their abilities to acti cyclic AMP-dependent and cyclic GMP-depen protein kinases.
Adv Cyclic Nucleotide Res 2:41-50, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metaboli ALUMINUM/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHA metabolism/ KINETICS/ LOBSTERS/ METHODS/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ SPECIES SPECIFICITY

2104. **Kuramoto A:** [Metabolism of blood platelet biochemical aspects of its release reaction
Jap J Clin Pathol 21:11-23, Jan 73 (73 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHA pharmacodynamics/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSI TRIPHOSPHATE, metabolism/ BLOOD PLATELET DISORDERS/ *BLOOD PLATELETS, metabolism/ BLOOD PLATELETS, physiology/ BLOOD SUGAR, metabolism/ CARBON DIOXIDE, metaboli CARBON ISOTOPES/ ENERGY TRANSFE HUMAN/ LACTATES, metabolism/ LIPIDS metabolism/ PHAGOCYTOSIS/ PLATELET ADHESIVENESS/ RABBITS/ REVIEW

2105. **Kurihara H, Gregory A, Dewailly P, et al:** Effe changes in sodium balance and of experimental hypertension on plasma angiotensin I conv enzyme activity of rabbits.
Tohoku J Exp Med 109:19-27, Jan 73
ANIMAL EXPERIMENTS/ BLOOD PRESS FUROSEMIDE, pharmacodynamics/ HEMATOCRIT/ *HYPERTENSION, RENAL enzymology/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, metabolism/ KININASE II, blood/ LIGAT MALE/ NEPHRECTOMY/ *PEPTIDE PEPTIDOHYDROLASES, blood/ RABBITS/ RENAL ARTERY/ RENIN, blood/ *SODIU metabolism

2106. **Kurihara K:** Inhibition of cyclic 3',5'-nucle phosphodiesterase in bovine taste papillae by taste stimuli. FEBS Lett 27:279-81, 1 No
ADENOSINE CYCLIC 3',5' MONOPHOSPH ANIMAL EXPERIMENTS/ BACITRACIN, pharmacodynamics/ BINDING, COMPETIT CAFFEINE, pharmacodynamics/ CATTLE/ EPITHELIUM/ IN VITRO/ KINETICS/ PAPAVERINE, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ QUININE, pharmacodynamics/ STRYCHNINE, pharmacodynamics/ *TAST TASTE BUDS, drug effects/ *TASTE BU enzymology/ THEOBROMINE,

pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

Kurt TL, Genton E, Chidsey C 3d, et al: Carbohydrate metabolism and acute myocardial infarction: circulating glucose, insulin, cortisol and growth hormone responses and excretion of catecholamines.
Chest 64:21-5, Jul 73
ADULT/ AGE FACTORS/ AGED/ *BLOOD SUGAR, analysis/ BODY WEIGHT/ CARBOHYDRATES, metabolism/ *CATECHOLAMINES, urine/ EPINEPHRINE, urine/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYDROCORTISONE, analysis/ *INSULIN, blood/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, metabolism/ NOREPINEPHRINE, urine/ *SOMATOTROPIN, blood

Kurth R, Bauer H: Influence of dibutyryl cyclicAMP and theophylline on cell surface antigens on oncornavirus transformed cells.
Nature [New Biol] 243:243-5, 20 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGGLUTINATION, drug effects/ *ANTIGENS, NEOPLASM/ BUTYRATES/ *CELL MEMBRANE, immunology/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CONCANAVALIN A, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DRUG SYNERGISM/ MICE/ MICE, immunology/ ONCOGENIC VIRUSES/ RABBITS, immunology/ RNA VIRUSES/ *THEOPHYLLINE, pharmacodynamics

Kurtzman NA, Pillay VK: Renal reabsorption of glucose in health and disease.
Arch Intern Med 131:901-4, Jun 73
BIOLOGICAL TRANSPORT/ FANCONI SYNDROME, metabolism/ FANCONI SYNDROME, physiopathology/ FEMALE/ GLOMERULAR FILTRATION RATE/ *GLUCOSE, metabolism/ *GLYCOSURIA, RENAL, physiopathology/ HUMAN/ HYPERGLYCEMIA, metabolism/ HYPERGLYCEMIA, physiopathology/ KIDNEY, metabolism/ *KIDNEY, metabolism/ KIDNEY, physiopathology/ NATRIURESIS/ PREGNANCY/ SODIUM, antagonists & inhibitors/ *SODIUM, metabolism/ URIC ACID, metabolism

Kusnír J, Meloun B: Sequence of 36 amino acid residues between the 1st and 2nd methionine of human plasma albumin.
Biochim Biophys Acta 310:124-9, 17 May 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ HUMAN/ METHIONINE/ PEPTIDES, analysis/ *SERUM ALBUMIN, analysis/ THIOCYANATES/ TRYPSIN

Kuster J, Zapf J, Jakob A: Effects of hormones on cyclic AMP release in perfused rat livers.
FEBS Lett 32:73-7, 15 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, secretion/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ IN VITRO/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ *LIVER, secretion/ MALE/ PERFUSION/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM

Kusumi Y, Prange AJ Jr: Triple mosaicism of X-chromosomes with bipolar affective psychosis.
Dis Nerv Syst 34:94-7, Feb 73
*AFFECTIVE DISTURBANCES, familial & genetic/ FEMALE/ HUMAN/ KARYOTYPING/ MIDDLE AGE/ *MOSAICISM/ RECURRENCE/ *SEX CHROMOSOME ABNORMALITIES

Kusunoki T, Sugimoto T, Sawada J, et al: [Case of hepatoblastoma in an infant with ectopic gonadotropin production]
Clin Endocrinol (Tokyo) 20:977-83, Nov 72 (Jap)
*GONADOTROPINS, biosynthesis/ HEPATOMA, complications/ *HEPATOMA, metabolism/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ INFANT/ LIVER NEOPLASMS, complications/ *LIVER NEOPLASMS, metabolism/ MALE/ PUBERTY, PRECOCIOUS, complications

2114. **Kuwahara M, Chaykin S:** Biosynthesis of pyridine nucleotides in early embryos of the mouse (Mus musculus).
J Biol Chem 248:5095-9, 25 Jul 73
ANIMAL EXPERIMENTS/ AZASERINE, pharmacodynamics/ CARBON ISOTOPES/ EMBRYO, drug effects/ EMBRYO, growth & development/ *EMBRYO, metabolism/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ MALE/ MICE/ MITOSIS/ *NAD, biosynthesis/ *NADP, biosynthesis/ NICOTINAMIDE, metabolism/ NICOTINAMIDE, pharmacodynamics/ NICOTINAMIDE MONONUCLEOTIDE, biosynthesis/ NICOTINIC ACID, metabolism/ NICOTINIC ACID, pharmacodynamics/ NIDATION/ OVUM, metabolism/ PREGNANCY/ PYRIDINES, metabolism

2115. **Kuzin MI, Volkov BP, Sladkovich VS:** Rentgenodiagnostika opukholei vilochkovoi zhelezy u bol'nykh miasteniei.
Grudn Khir 14:97-101, Jul-Aug 72 (Rus)
ADULT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MYASTHENIA GRAVIS, complications/ PNEUMOMEDIASTINUM, DIAGNOSTIC/ THYMOMA, complications/ *THYMOMA, radiography/ THYMUS NEOPLASMS, complications/ *THYMUS NEOPLASMS, radiography

2116. **Kuzmicheva NA, Rodionov IM, Volkova OV, et al:** A study of the mechanism of lowering the sensitivity of smooth muscle to noradrenalin with sympathetic hyperinnervation.
Experientia 29:304-5, 15 Mar 73
ANIMAL EXPERIMENTS/ COCAINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GANGLIA, AUTONOMIC, drug effects/ *GANGLIA, AUTONOMIC, physiology/ IN VITRO/ INTESTINES, innervation/ MICE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NERVE GROWTH FACTOR, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics

2117. **Kuznetsov LKN, Shestopalova VM:** Ispol'zovanie riboflavina i ego nukelotidov subkletochymi fraktsiiami pecheni kryus pri vozdeistvii gidrokortizona.
Vopr Pitan 31:17-20, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ CELLS, CULTURED/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FLUORESCENCE SPECTROMETRY/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ *LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ PROTEINS, analysis/ RATS/ RIBOFLAVIN, analysis/ *RIBOFLAVIN, metabolism/ RIBONUCLEOTIDES, analysis/ *RIBONUCLEOTIDES, metabolism/ *SUBCELLULAR FRACTIONS, metabolism

L

2118. **Labadie P:** L'exploration fonctionnelle de l'ovaire. Aspects physiologiques, biologiques, cliniques.
Rev Prat 22:4533-64, 11 Dec 72 (Fre)
GONADOTROPINS, PITUITARY, urine/ OVARIAN DISEASES/ OVARY/ OVARY, physiology/ OVARY, secretion/ SPECIAL LIST FOREIGN/ STEROIDS, urine

2119. **LaBella F, Dular R, Vivian S, et al:** Pituitary hormone releasing or inhibiting activity of metal ions present in hypothalamic extracts.
Biochem Biophys Res Commun 52:786-91, 8 Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ *COPPER,

LIBRARY U. OF I., URBANA-CHAMPAIGN

pharmacodynamics/ CORTICOTROPIN, secretion/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPOTHALAMUS, metabolism/ IN VITRO/ LH, secretion/ *NICKEL, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS/ *PITUITARY HORMONES, ANTERIOR, secretion/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion/ TIME FACTORS/ *ZINC, pharmacodynamics

2120. **Labhsetwar AP:** Evidence for the involvement of a catecholaminergic pathway in gonadotrophin secretion for implantation in rats.
J Reprod Fertil 33:545-8, Jun 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES/ ESTRONE, pharmacodynamics/ FEMALE/ *GONADOTROPINS, secretion/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ HYPOTHALAMUS, physiology/ *NIDATION, drug effects/ PREGNANCY/ RATS

2121. **Laborit G:** Méchanismes et thérapeutiques de la douleur. Rev Belge Med Dent 27:157-70, Mar 72 (Fre)
AMYGDALOID BODY, physiopathology/ ANALGESIA/ ANESTHESIA, LOCAL/ BRAIN, drug effects/ HIPPOCAMPUS, physiopathology/ HISTAMINE LIBERATION/ HYPOTHERMIA, INDUCED/ KININS, metabolism/ *PAIN/ PAIN, metabolism/ PAIN, physiopathology/ PHENOTHIAZINES, pharmacodynamics/ PROCAINE, pharmacodynamics/ PROSTAGLANDINS, metabolism/ RETICULAR FORMATION, physiopathology/ SALICYLATES, pharmacodynamics/ SEROTONIN, metabolism/ TRANQUILIZING AGENTS, pharmacodynamics

2122. **Laburthe MC, Dolais JR, Rosselin GE:** Evidence for circulating alpha subunits of pituitary gonadotropins in plasma. J Clin Endocrinol Metab 37:156-9, Jul 73
ANTIGENS/ CLIMACTERIC/ FEMALE/ *FSH, blood/ GEL FILTRATION/ HUMAN/ *LH, blood/ *PEPTIDES, blood

2123. **La Celle PL, Kirkpatrick FH, Udkow MP, et al:** Membrane fragmentation and Ca ++ -membrane interaction: potential mechanisms of shape change in the senescent red cell.
Nouv Rev Fr Hematol 12:789-98, Nov-Dec 72
ADENOSINE TRIPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, physiology/ AGING/ BINDING SITES/ CALCIUM, metabolism/ *CALCIUM, physiology/ CELL FRACTIONATION/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, physiology/ CELL MEMBRANE PERMEABILITY/ CELL SURVIVAL/ *ERYTHROCYTES, physiology/ ERYTHROCYTES, ABNORMAL, physiology/ HEMOGLOBIN, metabolism/ HUMAN/ IN VITRO

2124. **Lacerda L de, Kowarski A, Migeon CJ:** Diurnal variation of the metabolic clearance rate of cortisol. Effect on measurement of cortisol production rate.
J Clin Endocrinol Metab 36:1043-9, Jun 73
ADULT/ CARBON ISOTOPES/ *CIRCADIAN RHYTHM/ GLUCURONATES, urine/ HUMAN/ HYDROCORTISONE, biosynthesis/ *HYDROCORTISONE, blood/ MALE/ METABOLIC CLEARANCE RATE/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine/ TRITIUM

2125. **Laczi F, Selmeczi P:** A kryptothyreoidismusról.
Orv Hetil 114:1628-30, 8 Jul 73 (Hun)
ADOLESCENCE/ HUMAN/ HYPOTHYROIDISM, etiology/ *HYPOTHYROIDISM, therapy/ MALE/ *THYROID GLAND, abnormalities/ THYROID GLAND, embryology/ THYROID GLAND, pathology/ THYROIDECTOMY

2126. **Ladenson JH, Bowers GN Jr:** Free calcium in serum. II. Rigor of homeostatic control, correlations with total serum calcium, and review of data on patients with disturbed calcium metabolism.
Clin Chem 19:575-82, Jun 73
ADENOMA, blood/ ADULT/ BLOOD/ BLOOD PROTEINS, metabolism/ *CALCIUM, blood/ CALCIUM, metabolism/ *CALCIUM METABOLISM DISORDERS, blood/ ELECTRODES/ EVALUATION STUDIES/ HEMODIALYSIS/ HOMEOSTASIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ IONS, blood/ KIDNEY FAILURE, ACUTE, blood/ KIDNEY FAILURE, ACUTE, diagnosis/ MULTIPLE MYELOMA, blood/ PARATHYROID HORMONE, blood/ PARATHYROID NEOPLASMS, blood/ PHOSPHATES, blood/ RADIOIMMUNOASSA SERUM ALBUMIN, metabolism

2127. **Ladnaia IS:** Gangrena perekruchennogo iaichnik devochek. Khirurgiia (Mosk) 48:119-20, Sep 72 (R
CHILD/ CHILD, PRESCHOOL/ FEMALE/ GANGRENE, diagnosis/ HUMAN/ OVARIAN DISEASES, diagnosis/ *OVARIAN DISEASES diagnosis

2128. **Laederer R, Lugon G, Montigel C, et al:** Précautio prendre en vue des analyses.
Rev Med Suisse Romande 92:885-906, Nov 72 (
BLOOD CHEMICAL ANALYSIS/ BLOOD SUGAR, analysis/ *CHEMISTRY, ANALYTICAL/ *CHEMISTRY, CLINICAL, standards/ DRUGS, administration & dosag ELECTROLYTES, analysis/ HUMAN/ THYROID GLAND FUNCTION TESTS/ URINE, analysis

2129. **Laffargue P, Adechy-Benkoël L:** Ultrastructure corps jaune humain. I. Son évolution au cours du c menstruel.
Ann Anat Pathol (Paris) 17:425-48, Oct-Dec 72 (
CELL NUCLEUS/ CELL WALL/ CELLULA INCLUSIONS/ *CORPUS LUTEUM, cytolog CORPUS LUTEUM, metabolism/ CYTOPLA ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ GOLGI APPARATU HUMAN/ LYSOSOMES/ *MENSTRUATION/ MICROSCOPY, ELECTRON/ MICROTUBUL MITOCHONDRIA/ OVULATION

2130. **Lagache G, Kemmel M van, May JP, et al:** Cancer thyroïde avec propagation veineuse cervico-médiastinale. Ann Chir 27:249-53, Mar 73
*ADENOMA, surgery/ ADULT/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ THYROID NEOPLASMS, surgery

2131. **Lahav M, Dietz T, Edelman IS:** The actio aldosterone on sodium transport: further studies inhibitors of RNA and protein synthesis.
Endocrinology 92:1685-99, Jun 73
ALDOSTERONE, antagonists & inhibitors/ *ALDOSTERONE, pharmacodynamics/ ANI EXPERIMENTS/ BIOLOGICAL TRANSPOR drug effects/ BLADDER, drug effects/ BLADDER, metabolism/ *CYCLOHEXIMID pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ IN VITRO/ LEUCINE, metabolism/ PROTEINS, biosynthesis/ RN biosynthesis/ *SODIUM, metabolism/ TIM FACTORS/ TOADS/ TRITIUM/ URIDINE, metabolism

2132. **Lai a Fat RF, Suurmond D, Rádl J, et** Scleromyxoedema (lichen myxoedematosus) associated with a paraprotein, IgG 1 of type
Br J Dermatol 88:107-16, Feb 73
ADULT/ *BLOOD PROTEIN DISORDERS, etiology/ BLOOD PROTEIN ELECTROPHORESIS/ BONE MARROW C metabolism/ BRAIN EDEMA, pathology/ BRONCHOPNEUMONIA, etiology/ CHONDROITIN, analysis/ FLUORESCENT ANTIBODY TECHNIC/ GLYCOPROTEINS, analysis/ HUMAN/ HYALURONIC ACID, analysis/ *IGG, biosynthesis/ IMMUNOELECTROPHORESIS/ MALE/ MELPHALAN, therapeutic use/ *MYXED complications/ MYXEDEMA, drug therap SKIN, analysis/ SKIN, metabolism/ *SKI

DISEASES, complications/ SKIN DISEASES, drug therapy/ SULFURIC ACIDS, analysis/ TISSUE CULTURE

akomy M, Gadamski R: The area preoptica in the cow.
Anat Anz 133:138-43, 1973
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CATTLE, anatomy & histology/ FEMALE/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, cytology/ *SUPERIOR COLLICULUS, anatomy & histology/ SUPERIOR COLLICULUS, cytology/ TELENCEPHALON, anatomy & histology/ TELENCEPHALON, cytology

akshmanan CD: The evaluation of a corticosteroid antibiotic agent in pulp capping.
J Br Endod Soc 6:24-34, Summer 72
ADRENAL CORTEX HORMONES, therapeutic use/ DENTAL PULP CAPPING/ DENTAL PULP EXPOSURE/ SPECIAL LIST DENTAL/ TETRACYCLINE, therapeutic use/ TRIAMCINOLONE ACETONIDE, therapeutic use

illemant Y, Gehanno P, Happich JL: Zona cervico-céphalique à localisations multiples compliqué d'une paralysie faciale opérée avec succès.
Ann Otolaryngol Chir Cervicofac 90:214-9, Mar 73 (Fre)
ACOUSTIC NERVE/ DEAFNESS, etiology/ FACIAL NERVE/ *FACIAL PARALYSIS, etiology/ FACIAL PARALYSIS, surgery/ GLOSSOPHARYNGEAL NERVE/ *HERPES ZOSTER, complications/ HERPES ZOSTER, drug therapy/ HUMAN/ *LARYNGEAL DISEASES, complications/ MALE/ MIDDLE AGE/ *MOUTH DISEASES, complications/ OXYTETRACYCLINE, therapeutic use/ *PHARYNGEAL DISEASES, complications/ PREDNISONE, therapeutic use/ VAGUS NERVE/ VASODILATOR AGENTS, therapeutic use

mberg BA: Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones.
Lancet 1:854-7, 21 Apr 73
ADULT/ ANTIBODIES, analysis/ CASE REPORT/ CHOLESTEROL, blood/ FEMALE/ *GOITER, congenital/ GOITER, drug therapy/ GOITER, immunology/ HUMAN/ HYDROXYPROLINE, urine/ IODINE, metabolism/ IODINE, therapeutic use/ IODINE, urine/ PERCHLORIC ACIDS, diagnostic use/ PITUITARY GLAND, metabolism/ PROTEIN-BOUND IODINE TEST/ STIMULATION, CHEMICAL/ SYNDROME/ THYROGLOBULIN/ THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, metabolism/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ THYROXINE, metabolism/ THYROXINE, therapeutic use/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, metabolism

mberti G, Austermann R, Closs HP, et al: Statistische Untersuchungen über das fetale Risiko bei Plazentainsuffizienz und Nabelschnurkomplikation. I. Definition der Krankheitsbilder und deren Häufigkeit.
Geburtshilfe Frauenheilkd 33:254-64, Apr 73 (Ger)
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ CESAREAN SECTION/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, occurrence/ GERMANY, WEST/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ PARITY/ *PLACENTA DISORDERS, occurrence/ PREGNANCY/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, complications/ STATISTICS/ *UMBILICAL CORD

mola AA: Photochemistry and structure in nucleic acids. Pure Appl Chem 34:281-303, 1973 (70 ref.)
CYTOSINE/ *DNA/ DNA, SINGLE STRANDED/ FLUORESCENCE SPECTROMETRY/ NUCLEIC ACID CONFORMATION/ *PHOTOCHEMISTRY/ POLYNUCLEOTIDES/ PROTEIN DENATURATION/ PYRIMIDINES/ REVIEW/ *RNA/ SOLUTIONS/ TEMPERATURE/ THIOURACIL/ THYMINE/ URIDINE

2139. Lamprecht SA, Zor U, Tsafriri A, et al: Action of prostaglandin E 2 and of luteinizing hormone on ovarian adenylate cyclase, protein kinase and ornithine decarboxylase activity during postnatal development and maturity in the rat.
J Endocrinol 57:217-33, May 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ INDOMETHACIN, pharmacodynamics/ *LH, pharmacodynamics/ ORNITHINE, analysis/ OVARY, drug effects/ *OVARY, enzymology/ *PHOSPHOTRANSFERASES, analysis/ *PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ RATS/ TRITIUM

2140. Landolt AM: Regeneration of the human pituitary.
J Neurosurg 39:35-41, Jul 73
ADULT/ AGED/ AUTOPSY/ BASOPHILS/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, surgery/ CELL NUCLEOLUS/ CYTOPLASM/ ELECTROCOAGULATION/ EOSINOPHILS/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ MIDDLE AGE/ NECROSIS/ NEOPLASM METASTASIS/ *PITUITARY GLAND, pathology/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, surgery/ *REGENERATION

2141. Landolt AM, Oswald UW: Histology and ultrastructure of an oncocytic adenoma of the human pituitary.
Cancer 31:1099-105, May 73
*ADENOMA, pathology/ ADULT/ BIOPSY/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NEOPLASM RECURRENCE, LOCAL/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, pathology/ VISION DISORDERS, etiology

2142. Lang H, Gläser V: Diagnostik einer Frühform der Subsepsis allergica Wissler im Erwachsenenalter.
Z Aerztl Fortbild (Jena) 66:1106-8, 1 Nov 72 (Ger)
ADULT/ AMINOPYRINE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ TIME FACTORS/ *WISSLER'S SYNDROME, diagnosis/ WISSLER'S SYNDROME, drug therapy/ WISSLER'S SYNDROME, physiopathology

2143. Langer GA: Heart: excitation-contraction coupling.
Annu Rev Physiol 35:55-86, 1973 (117 ref.)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ BINDING SITES/ CAFFEINE, pharmacodynamics/ CALCIUM, analysis/ *CALCIUM, metabolism/ CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE/ DIGITALIS GLYCOSIDES, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHYSIOLOGY/ EXTRACELLULAR SPACE/ FROGS/ GUINEA PIGS/ HEART, drug effects/ *HEART, physiology/ HUMAN/ LANTHANUM, pharmacodynamics/ MEMBRANE POTENTIALS/ MITOCHONDRIA, physiology/ MODELS, BIOLOGICAL/ MYOCARDIUM, analysis/ MYOCARDIUM, cytology/ POTASSIUM, pharmacodynamics/ RATS/ REVIEW/ SODIUM, pharmacodynamics

2144. Langner RO, Fuller GC: Collagen synthesis in thoracic aortas of rabbits with epinephrine-thyroxine induced arteriosclerosis. Atherosclerosis 17:463-9, May-Jun 73
ANIMAL EXPERIMENTS/ AORTA, THORACIC, analysis/ AORTA, THORACIC, enzymology/ *AORTA, THORACIC, metabolism/ *ARTERIOSCLEROSIS,

LIBRARY U. OF I., URBANA-CHAMPAIGN

metabolism/ COLLAGEN, analysis/ *COLLAGEN, biosynthesis/ COLLAGEN, metabolism/ DISEASE MODELS, ANIMAL/ EPINEPHRINE/ HYDROXYPROLINE, analysis/ MALE/ PROLINE HYDROXYLASE, metabolism/ RABBITS/ THYROXINE/ *WOUNDS AND INJURIES, therapy

2145. **Lapetina EG, Michell RH:** Phosphatidylinositol metabolism in cells receiving extracellular stimulation. FEBS Lett 31:1-10, 1 Apr 73 (94 ref.)
ADRENAL GLANDS, metabolism/ ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CEREBRAL CORTEX, metabolism/ CYTOSOL, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ LEUKOCYTES, metabolism/ LIGANDS, pharmacodynamics/ LIPIDS, metabolism/ LYMPHOCYTES, metabolism/ MODELS, BIOLOGICAL/ PANCREAS, metabolism/ PAROTID GLAND, metabolism/ PHENTOLAMINE, pharmacodynamics/ PHOSPHOINOSITIDES, biosynthesis/ *PHOSPHOINOSITIDES, metabolism/ PHOSPHORUS ISOTOPES/ PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, DRUG/ REVIEW/ STIMULATION, CHEMICAL

2146. **Laplane R, Bureau P, Lasfargues G, et al:** Hypophosphatasie congénitale et organogenèse dentaire.
Rev Stomatol Chir Maxillofac 73:543-60, Nov 72 (Fre)
ALKALINE PHOSPHATASE, blood/ BIOPSY/ BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ CHILD, PRESCHOOL/ *CRANIOSYNOSTOSES/ DENTIN DYSPLASIA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ ETHANOLAMINES, urine/ FEMALE/ HUMAN/ HYPOPHOSPHATASIA, congenital/ *HYPOPHOSPHATASIA, diagnosis/ HYPOPHOSPHATASIA, pathology/ HYPOPHOSPHATASIA, therapy/ MOLAR, radiography/ *ODONTOGENESIS/ *ORAL MANIFESTATIONS/ PHOSPHORIC ACIDS, urine/ RICKETS, diagnosis/ TOOTH, DECIDUOUS/ TOOTH RESORPTION

2147. **Largis EE, Allen DO, Clark J, et al:** Isoproterenol and glucagon effects in perfused hearts from spontaneously hypertensive and normotensive rats.
Biochem Pharmacol 22:1735-44, 15 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *GLUCAGON, pharmacodynamics/ GLYCERIN, metabolism/ GLYCOGEN, metabolism/ *HEART, drug effects/ *HYPERTENSION, metabolism/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MALE/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ PHOSPHODIESTERASES, metabolism/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

2148. **Larkins RG, Martin FI:** Hypopituitarism after extracranial irradiation: evidence for hypothalamic origin. Br Med J 1:152-3, 20 Jan 73
ADULT/ HUMAN/ *HYPOPITUITARISM, etiology/ *HYPOTHALAMUS, radiation effects/ MALE/ MAXILLARY SINUS/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, radiotherapy/ PARANASAL SINUS NEOPLASMS, radiotherapy/ *RADIATION INJURIES/ *RADIOTHERAPY, adverse effects

2149. **Laron Z, Axer A, Drexner Z:** Growth and development of children with Legg-Calvé-Perthes syndrome in Israel. Isr J Med Sci 9:612-6, May 73
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ CLIMATE/ DWARFISM, etiology/ ETHNIC GROUPS/ FEMALE/ *FEMUR HEAD NECROSIS/ *GROWTH DISORDERS, etiology/ HUMAN/ HYPOPITUITARISM, etiology/ HYPOTHYROIDISM, etiology/ ISRAEL/ MALE/ *OSTEOCHONDRITIS, complicati

2150. **Laron Z, Hochman IH, Keret R:** The ef methandrostenolone on pituitary growth h secretion in prepubertal children.
Clin Endocrinol (Oxf) 1:91-7, Jan 72
ADOLESCENCE/ ARGININE, diagnostic BODY HEIGHT/ BODY WEIGHT/ CHIL DWARFISM, drug therapy/ FEMALE/ HUMAN/ INSULIN, diagnostic use/ MA *METHANDROSTENOLONE, pharmacody METHANDROSTENOLONE, therapeutic *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *SOMATOTROPIN, secretion

2151. **Larson JD, Schulz AR:** Bovine thyroid glutamate dehydrogenase.
Life Sci [II] 12:73-8, 22 Jan 73
CATTLE/ *CYTOSOL, enzymology/ *GLUTAMATE DEHYDROGENASE, anal ISOCITRATE DEHYDROGENASE, analy MICROSOMES, enzymology/ MITOCHON enzymology/ MODELS, BIOLOGICAL/ NAD, pharmacodynamics/ NADP, pharmacodynamics/ SPECTROPHOTOM ULTRAVIOLET/ THYROID GLAND, cy *THYROID GLAND, enzymology

2152. **Larsson A, Bloom GD:** Studies on dentinogene rat. Fine structure of developing odontob predentin in relation to the mineralization
Z Anat Entwicklungsgesch 139:227-46, 16
ANIMAL EXPERIMENTS/ CALCIFICA PHYSIOLOGIC/ CYTOPLASMIC GRAN *DENTINOGENESIS/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ MOLAR/ *ODONTOBLASTS, cytology/ RATS

2153. **Larsson C, Anggård E:** Regional differenc formation and metabolism of prostaglandi rabbit kidney. Eur J Pharmacol 21:30-6
ANIMAL EXPERIMENTS/ ARACHIDO ACID, metabolism/ HISTOCYTOCHEMI IN VITRO/ KIDNEY, cytology/ *KIDN metabolism/ KIDNEY CORTEX, metab KIDNEY MEDULLA, metabolism/ MA MUSCLE, SMOOTH, drug effects/ OXIDOREDUCTASES, analysis/ PROSTAGLANDINS/ PROSTAGLANDI analysis/ PROSTAGLANDINS, biosynth *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamic RABBITS/ SUBCELLULAR FRACTION metabolism/ TIME FACTORS/ TRITIU

2154. **Larsson K, Södersten P, Beyer C:** Inductio sexual behaviour by oestradiol benzoa combination with dihydrotestosterone.
J Endocrinol 57:563-4, Jun 73
ANIMAL EXPERIMENTS/ CASTRATI EJACULATION, drug effects/ *ESTR pharmacodynamics/ MALE/ RATS/ *S BEHAVIOR, ANIMAL, drug effects/ *STANOLONE, pharmacodynamics

2155. **Laster DB:** Ovulation, fertility and prenatal m heifers treated with PMSG or porcin
J Reprod Fertil 33:275-82, May 73
ABORTION, prevention & control/ A EXPERIMENTS/ *CATTLE, physiolog CORPUS LUTEUM, drug effects/ ES drug effects/ FEMALE/ *FERTILITY effects/ FERTILIZATION, drug effec *FETAL DEATH/ *FSH, pharmacodyn *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MICROSCOPY, P CONTRAST/ *OVULATION, drug eff PREGNANCY/ PROGESTERONE, pharmacodynamics/ SWINE/ UTERUS effects

2156. **László FA, Mónus Z:** The effects of oestro and cortisone administration and hypophy histological changes induced by unilat pedicle clamping. Br J Exp Pathol 54:30
ANIMAL EXPERIMENTS/ ANOXIA/

*CORTICOTROPIN, pharmacodynamics/ *CORTISONE, pharmacodynamics/ EPITHELIUM/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ *HYPOPHYSECTOMY/ KIDNEY, drug effects/ *KIDNEY, pathology/ KIDNEY CORTEX NECROSIS, chemically induced/ KIDNEY FAILURE, ACUTE, pathology/ KIDNEY TUBULES/ LIGATION/ MALE/ PITUITARY GLAND, physiology/ RATS/ TIME FACTORS

László H, Vilmos F, László J: Hypophysis elváltozás akasztáskor.
Morphol Igazsagugyi Orv Sz 13:137-41, Apr 73 **(Hun)**
ADOLESCENCE/ ADULT/ AGED/ *ASPHYXIA, pathology/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ *FORENSIC MEDICINE/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY GLAND, blood supply/ *PITUITARY GLAND, pathology

Latash LP, Kovalzon VM: LHA self-stimulation effects on EEG and brain temperature in white rats.
Physiol Behav 10:651-5, Apr 73
ALPHA RHYTHM/ ANIMAL EXPERIMENTS/ AROUSAL/ *BODY TEMPERATURE/ *BRAIN, physiology/ CEREBRAL CORTEX, physiology/ CONDITIONING, OPERANT/ CORTICAL DESYNCHRONIZATION/ CORTICAL SYNCHRONIZATION/ ELECTRIC STIMULATION/ *ELECTROENCEPHALOGRAPHY/ HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ RATS/ REINFORCEMENT SCHEDULE/ RETICULAR FORMATION, physiology/ REWARD/ *SELF STIMULATION

Latour JG, McKay DG, Parrish MH: Activation of Hageman factor by cardiac arrest.
Thromb Diath Haemorrh 27:543-53, 31 Jul 72
ANIMAL EXPERIMENTS/ *ANOXEMIA, physiopathology/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD PRESSURE DETERMINATION/ DEXAMETHASONE, therapeutic use/ DISSEMINATED INTRAVASCULAR COAGULATION, prevention & control/ ERYTHROCYTES/ *FACTOR XII, analysis/ *HEART ARREST, INDUCED/ HEMATOCRIT/ HEMOGLOBIN/ OSMOTIC FRAGILITY/ PULMONARY EMBOLISM, physiopathology/ RABBITS

Lattimer JK, Vakili BF, Smith AM, et al: A natural-feeling testicular prosthesis.
J Urol 110:81-3, Jul 73
GELS/ HUMAN/ MALE/ METHODS/ *PROSTHESIS/ PROSTHESIS, adverse effects/ PROSTHESIS DESIGN/ *TESTIS/ TESTIS, surgery

Laudat MH, Combret Y, Laudat P: Activité adénylcyclasique membranaire du tissu adipeux de la souris obèse hyperglycémique de Bar-Harbor.
C R Acad Sci [D] (Paris) 276:407-9, 15 Jan 73 **(Fre)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CELL MEMBRANE, enzymology/ CORTICOSTERONE, blood/ CORTICOTROPIN, physiology/ DIET, REDUCING/ EPIDIDYMIS, cytology/ EPIDIDYMIS, enzymology/ FLUOROMETRY/ *HYPERGLYCEMIA, enzymology/ MALE/ MICE/ *OBESITY, enzymology

Laursen NH, Wilson KH: Continuous prostaglandin-F 2 infusion for middle-trimester abortion.
Lancet 1:1195, 26 May 73
*ABORTION, THERAPEUTIC/ AMNION/ FEMALE/ HUMAN/ INJECTIONS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ TIME FACTORS

Laugier C, Brard E, Monget D: Action des oestro-progestatifs chez la caille (Coturnix-Coturnix.
J Physiol (Paris) 65:Suppl 3:437A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *CHOLESTEROL, blood/ ESTRADIOL, antagonists & inhibitors/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LIPIDS, blood/ OVARY, drug effects/ *PROGESTERONE, pharmacodynamics/ QUAIL

2164. **Laugier P, Reiffers J, Ferrier PE, et al:** Syndrome LEOPARD (lentiginose profuse.
Bull Soc Fr Dermatol Syphiligr 79:540-1, 1972 **(Fre)**
*ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ CARDIOVASCULAR DISEASES/ CRANIOFACIAL DYSOSTOSIS/ DEAFNESS/ GONADS, abnormalities/ GROWTH DISORDERS/ HUMAN/ *LENTIGO/ MALE/ PULMONARY VALVE STENOSIS

2165. **Lauria P, Sharma VN, Vanjani S:** Effect of prolonged stress of repeated electric shock on rat myocardium.
Indian J Physiol Pharmacol 16:315-8, Oct-Dec 72
*ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, metabolism/ *CHOLINESTERASE, metabolism/ CHRONIC DISEASE/ ELECTROSHOCK/ FEMALE/ *GLYCOGEN, metabolism/ *HISTAMINE, metabolism/ MALE/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ RATS/ *SEROTONIN, metabolism/ *STRESS, metabolism/ STRESS, pathology

2166. **Laury MC, Bertin R, Portet R, et al:** Actions calorigéniques de la théophylline et du dibutyryl-AMP cyclique, chez le rat adapté à diverses températures.
J Physiol (Paris) 65:Suppl 3:438A, 1972 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ DRUG SYNERGISM/ NOREPINEPHRINE, pharmacodynamics/ *OXYGEN CONSUMPTION, drug effects/ RATS/ *THEOPHYLLINE, pharmacodynamics

2167. **Lavedan J, Théret CG:** Aspects fonctionnels des cellules thyroïdiennes examinées en microscopie électronique á balauage: détection intracellulaire de l'iode par microdiffraction simultanée en rayons.
C R Acad Sci [D] (Paris) 276:1003-4, 5 Feb 73 **(Fre)**
ANIMAL EXPERIMENTS/ GUINEA PIGS/ *IODINE, analysis/ MICROSCOPY, ELECTRON, SCANNING/ STRESS/ STRESS, MECHANICAL/ THYROID GLAND, analysis/ *THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROTROPIN, pharmacodynamics/ X-RAY DIFFRACTION

2168. **Laverdant C, Villaros J, Antoine H, et al:** Corticosurrênalome du diaphragme.
Ann Endocrinol (Paris) 33:471-5, Jul-Aug 72 **(Fre)**
*ABDOMINAL NEOPLASMS, diagnosis/ ABDOMINAL NEOPLASMS, surgery/ *ADRENAL CORTICAL REST TUMOR, diagnosis/ ADRENAL CORTICAL REST TUMOR, surgery/ ADULT/ CASE REPORT/ DIABETES MELLITUS, etiology/ DIAGNOSIS, DIFFERENTIAL/ *DIAPHRAGM/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ LIVER NEOPLASMS/ MALE/ NEOPLASM METASTASIS/ PARAGANGLIOMA, NONCHROMAFFIN, diagnosis/ RADIOISOTOPE SCANNING/ *RETROPERITONEAL NEOPLASMS, diagnosis/ RETROPERITONEAL NEOPLASMS, surgery

2169. **Lavergne G, Winand R:** L'exophtalmie endocrinienne.
Bull Soc Belge Ophtalmol 163:1-170, 1973 **(Fre)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ CORTICOTROPIN, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, therapeutic use/ EXOPHTHALMOS, chemically induced/ EXOPHTHALMOS, complications/ EXOPHTHALMOS, drug therapy/ *EXOPHTHALMOS, etiology/ EXOPHTHALMOS, immunology/ FEMALE/ *GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/

JOURNAL U. OF L. URBANA-CHAMPAIGN

INTRAOCULAR PRESSURE/ LONG-ACTING THYROID STIMULATOR/ MALE/ MIDDLE AGE/ OPHTHALMODYNAMOMETRY/ PITUITARY GLAND/ PREDNISOLONE, therapeutic use/ *THYROID DISEASES, complications/ THYROID HORMONES, therapeutic use/ THYROIDECTOMY/ THYROTROPIN/ TISSUE EXTRACTS

2170. **Law YM, Eales JG:** Deiodination of radiothyroxine by tissue homogenates of brook trout, Salvelinus fontinalis (Mitchill).
Comp Biochem Physiol [B] 44:1175-83, 15 Apr 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DUODENUM, metabolism/ GILLS, metabolism/ INTESTINES, metabolism/ IODINE ISOTOPES/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ MATHEMATICS/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ ORGAN SPECIFICITY/ PRECIPITATION/ *SALMONIDAE, metabolism/ STOMACH, metabolism/ *THYROXINE, metabolism/ TRICHLOROACETIC ACID

2171. **Lawrence AM:** Hormone producing tumors of the lung.
Ann Clin Lab Sci 3:259-64, Jul-Aug 73
*ADENOMA, metabolism/ *CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, OAT CELL, metabolism/ CUSHING'S SYNDROME, etiology/ *HORMONES, ECTOPIC/ HUMAN/ *LUNG NEOPLASMS, metabolism/ MALE/ MALIGNANT CARCINOID SYNDROME, etiology/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ PARATHYROID HORMONE, secretion/ VASOPRESSIN, secretion

2172. **Lawrence T, Franki WS:** Beta-adrenergic receptor blocking drugs.
Med Clin North Am 57:985-99, Jul 73 (65 ref.)
ADRENERGIC BETA RECEPTOR BLOCKADERS, diagnostic use/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ALPRENOLOL, therapeutic use/ ANGINA PECTORIS, drug therapy/ AORTIC ANEURYSM, drug therapy/ AORTIC VALVE/ ARRHYTHMIA, drug therapy/ COMPARATIVE STUDY/ CORONARY CIRCULATION, drug effects/ GLYCERYL TRINITRATE, therapeutic use/ *HEART DISEASES, drug therapy/ HUMAN/ HYPERTENSION, drug therapy/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, drug therapy/ MIGRAINE, drug therapy/ NEURASTHENIA, drug therapy/ OXPRENOLOL, therapeutic use/ PHEOCHROMOCYTOMA, diagnosis/ PROPRANOLOL, adverse effects/ PROPRANOLOL, therapeutic use/ RECEPTORS, ADRENERGIC/ REVIEW/ SOTALOL, therapeutic use/ TETRALOGY OF FALLOT, drug therapy

2173. **Lazar G:** The reticuloendothelial-blocking effect of rare earth metals in rats.
J Reticuloendothel Soc 13:231-7, Mar 73
ANIMAL EXPERIMENTS/ BCG VACCINATION/ CERIUM, pharmacodynamics/ CHLORIDES/ DEPRESSION, CHEMICAL/ DRUG ANTAGONISM/ FEMALE/ GADOLINIUM, pharmacodynamics/ HOLMIUM, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ LANTHANUM, pharmacodynamics/ *METALS, pharmacodynamics/ NEODYMIUM, pharmacodynamics/ PHAGOCYTOSIS, drug effects/ RATS/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ RETICULOENDOTHELIAL SYSTEM, physiology/ TRIAMCINOLONE, pharmacodynamics/ TRIOLEIN, pharmacodynamics/ YTTERBIUM, pharmacodynamics/ ZYMOSAN, pharmacodynamics

2174. **Lazard L:** Evolution des gonades transpantées dans le membre d'axolotl, en fonction du sexe de l'hôte. Ovaire.
C R Acad Sci [D] (Paris) 276:611-3, 22 Jan 73 (Fre)

AMBYSTOMA, metabolism/ *AMBYSTO physiology/ ANIMAL EXPERIMENTS/ DIFFERENTIATION/ *EXTREMITIES/ FEMALE/ MALE/ OVARY, cytology/ growth & development/ OVARY, meta *OVARY, transplantation/ REGENERA *SEX FACTORS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

2175. **Lazarus J, Crook JH:** The effects of h hormone, oestrogen and ovariectomy on the behaviour of female Quelea quelea.
Anim Behav 21:49-60, Feb 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BENZOATES/ *BIRDS CASTRATION/ CIRCADIAN RHYTHM ESTRADIOL, administration & dosage *ESTRADIOL, pharmacodynamics/ EST FEMALE/ LH, administration & dosag pharmacodynamics/ *OVARY, physiolo PROBABILITY/ SEASONS

2176. **Lazarus JH, Marchant B, Alexander WD,** metabolism of 35S-labelled antithyroid thyrotoxic, adenomatous, neoplastic an human thyroid. Clin Sci 44:24P, Jun
*ADENOMA, metabolism/ CARBIMAZ metabolism/ HUMAN/ *HYPERTHYRO metabolism/ IODIDES, metabolism/ METHIMAZOLE, metabolism/ PROPYLTHIOURACIL, metabolism/ S ISOTOPES/ *THYROID ANTAGONIST metabolism/ *THYROID GLAND, met *THYROID NEOPLASMS, metabolism

2177. **Leach BE, Armstrong FB Jr, Germain** Vasodepressor action of prostaglandins A the spontaneously hypertensive rat (S evidence for an action mediated by
J Pharmacol Exp Ther 185:479-85, Ju
ACETYLCHOLINE, pharmacodynamics ANESTHESIA/ ANIMAL EXPERIMEN BLOOD PRESSURE/ DOSE-RESPONS RELATIONSHIP, DRUG/ FEMALE/ H ATRIUM, physiopathology/ HEART R *HYPERTENSION, physiopathology/ PENTOBARBITAL, pharmacodynamics PROSTAGLANDINS, administration & *PROSTAGLANDINS, pharmacodynam RATS/ RATS, INBRED STRAINS/ T FACTORS/ VAGOTOMY/ *VAGUS N physiopathology/ VEHICLES

2178. **Leach CS, Alexander WC, Fischer CL, et al:** studies during a 14-day continuous exposu cent O 2 in N 2 at pressure equivalent to ATA). Aerosp Med 44:855-9, Jul 73
ADAPTATION, PHYSIOLOGICAL/ ALDOSTERONE, urine/ ANGIOTENS ATMOSPHERE EXPOSURE CHAMBE *ATMOSPHERIC PRESSURE/ DIVIN ENVIRONMENTAL EXPOSURE/ EPINEPHRINE, urine/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INSULIN MALE/ *NITROGEN/ NOREPINEPH urine/ *OXYGEN/ SEAWATER/ TH blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, metabolism/ VASOPRESSIN, urine

2179. **Leander JD:** Effects of food deprivat free-operant avoidance behavior.
J Exp Anal Behav 19:17-24, Jan 73
ANIMAL EXPERIMENTS/ *AVOIDA LEARNING/ BODY WEIGHT/ *CONDITIONING, OPERANT/ ELECTROSHOCK/ FEEDING BEHAV *FOOD DEPRIVATION/ HOUSING, HYPOTHALAMUS, physiology/ MAL

2180. **Leatherdale BA:** An unusual thyroid
Br J Surg 60:410-3, May 73
ADOLESCENCE/ FEMALE/ HUMAN LARYNGEAL CARTILAGES/ NECK *THYROID GLAND, abnormalities/ GLAND, embryology/ THYROID GL pathology/ THYROID GLAND FUNC TESTS

Le Beau J, Foncin JF: Contribution á l'étude ultrastructurale des adénomes á prolactine.
Ann Endocrinol (Paris) 33:353-6, Jul-Aug 72 (Fre)
ADENOMA, complications/ *ADENOMA, pathology/ ADENOMA, radiotherapy/ ADENOMA, surgery/ ADULT/ AMENORRHEA, etiology/ ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ FEMALE/ HUMAN/ LACTATION DISORDERS, etiology/ MALE/ *PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery/ PROLACTIN, secretion/ SEX DISORDERS, etiology

Lebeau M, Vokaer R: Traitement de l'hirsutisme et de l'acné. Leur thérapeutique séquentielle inversée anti-androgène-oestrogène.
J Gynecol Obstet Biol Reprod (Paris) 1:715-21, Oct-Nov 72 (Fre)
*ACNE, drug therapy/ ADOLESCENCE/ ADULT/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, administration & dosage/ CYPROTERONE, adverse effects/ CYPROTERONE, therapeutic use/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, adverse effects/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ *HIRSUTISM, drug therapy/ HUMAN/ 17-KETOSTEROIDS, urine/ *PREGNADIENES, administration & dosage/ TESTOSTERONE, blood

Le Brigand H, Leuasseur P, Merlier M, et al: Cent thymectomies chez des myasthéniques. Résultats lointains.
Rev Neurol (Paris) 126:267-74, Apr 72 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, surgery/ POSTOPERATIVE COMPLICATIONS/ SEX FACTORS/ *THYMECTOMY/ THYMECTOMY, mortality/ *THYMOMA, surgery/ *THYMUS NEOPLASMS, surgery

Lecocq RE, Dumont JE: In vivo and in vitro effects of thyrotropin on ribosomal pattern of dog thyroid.
Biochim Biophys Acta 299:304-11, 19 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ DOGS/ PEPTIDE CHAIN INITIATION, drug effects/ POLYRIBOSOMES, metabolism/ RIBOSOMES, drug effects/ *RIBOSOMES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

Lédr J: Několik poznámek k naší hormonální antikoncepci. Cesk Gynekol 38:372, Jun 73 (Cze)
*CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, classification/ FEMALE/ HUMAN/ METHODS

Lee CY, Everse J: Studies on the properties of 1,N 6 -ethenoadenine derivatives of various coenzymes.
Arch Biochem Biophys 157:83-90, Jul 73
*ADENINE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE MONOPHOSPHATE/ ALCOHOL OXIDOREDUCTASES, metabolism/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DEUTERIUM/ *FAD/ FLUORESCENCE SPECTROMETRY/ IMIDAZOLES/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ MOLECULAR CONFORMATION/ MUSCLES, enzymology/ *NAD/ NAD, metabolism/ NEUROSPORA, enzymology/ NUCLEAR MAGNETIC RESONANCE/ NUCLEOSIDASES, metabolism/ PROTEIN KINASE, metabolism/ QUANTUM THEORY/ RABBITS/ SACCHAROMYCES CEREVISIAE, enzymology/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

2187. Lee DK, Young JC, Tamura Y, et al: In vitro effects of estrogens on the 4 -reduction of testosterone by rat prostate and liver preparations.
Can J Biochem 51:735-40, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHLOROTRIANISENE, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MESTRANOL, pharmacodynamics/ OXIDATION-REDUCTION/ PROSTATE, cytology/ PROSTATE, drug effects/ PROSTATE, enzymology/ *PROSTATE, metabolism/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, enzymology/ *TESTOSTERONE, metabolism/ TRITIUM

2188. Lee GL: The phenogenetics of a super-suppressor in Drosophila melanogaster. II. Suppression and back-mutation. Aust J Biol Sci 26:189-99, Feb 73
ALLELES/ ANIMAL EXPERIMENTS/ BASE SEQUENCE/ CHROMOSOME MAPPING/ DROSOPHILA MELANOGASTER/ FEMALE/ *GENES, SUPPRESSOR/ GENETICS, BIOCHEMICAL/ HOMOZYGOTE/ MALE/ MODELS, BIOLOGICAL/ *MUTATION/ MUTATION, radiation effects/ SEX CHROMOSOMES/ SEX FACTORS

2189. Lee KF, Lin SR, Schatz NJ: Neuroradiology of juxtasellar mass lesions.
CRC Crit Rev Radiol Sci 3:105-69, Jan 72
ADENOMA, CHROMOPHOBE, radiography/ ANGIOMA, SCLEROSING, radiography/ ARTERIOVENOUS FISTULA, radiography/ ARTERIOVENOUS MALFORMATIONS, radiography/ *BRAIN DISEASES, radiography/ *BRAIN NEOPLASMS, radiography/ CAROTID ARTERY DISEASES, radiography/ CAVERNOUS SINUS, radiography/ CEREBRAL ANEURYSM, radiography/ CHONDROMA, radiography/ CHORDOMA, radiography/ CRANIOPHARYNGIOMA, radiography/ DISGERMINOMA, radiography/ EPENDYMOMA, radiography/ GLIOMA, radiography/ HUMAN/ MENINGIOMA, radiography/ MUCOCELE, radiography/ NASOPHARYNGEAL NEOPLASMS, radiography/ NEURILEMMOMA, radiography/ OPTIC CHIASM/ OPTIC NERVE/ *SELLA TURCICA/ TERATOID TUMOR, radiography

2190. Lee KT, Lee WM, Han J, et al: Experimental model for study of "sudden death" from ventricular fibrillation or asystole. Am J Cardiol 32:62-73, Jul 73
ANGIOCARDIOGRAPHY/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, pathology/ ARRHYTHMIA, pathology/ *ARRHYTHMIA, physiopathology/ AUTOPSY/ CORONARY VESSELS, pathology/ CORONARY VESSELS, radiography/ *DEATH, SUDDEN/ DIET, ATHEROGENIC/ *DISEASE MODELS, ANIMAL/ ELECTROCARDIOGRAPHY/ HEART, drug effects/ *HEART, physiopathology/ HEART, radiation effects/ HEART CONDUCTION SYSTEM, physiopathology/ LIDOCAINE, pharmacodynamics/ LUNG, pathology/ MALE/ MYOCARDIUM, pathology/ PROPYLTHIOURACIL, pharmacodynamics/ RADIATION EFFECTS/ SWINE/ VENTRICULAR FIBRILLATION, pathology/ *VENTRICULAR FIBRILLATION, physiopathology

2191. Lee TC, Coffey RJ, Mackin J, et al: The use of propranolol in the surgical treatment of thyrotoxic patients. Ann Surg 177:643-7, Jun 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*HYPERTHYROIDISM, surgery/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ *PREMEDICATION/ PREOPERATIVE CARE/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, therapeutic use/ THYROID CRISIS, prevention & control/ *THYROIDECTOMY/ THYROXINE, blood

2192. **Lee YT, Hutcheson J:** X-ray of the month: primary seminoma of the anterior mediastinum.
J Tenn Med Assoc 66:443-4, May 73
ADOLESCENCE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *DISGERMINOMA, radiography/ DISGERMINOMA, radiotherapy/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS, radiography/ MEDIASTINAL NEOPLASMS, radiotherapy

2193. **Leece JG:** Effect of dietary regimen on cessation of uptake of macromolecules by piglet intestinal epithelium (closure) and transport to the blood.
J Nutr 103:751-6, May 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BIOLOGICAL TRANSPORT/ *COLOSTRUM, metabolism/ DIARRHEA, metabolism/ *DIET/ *EGGS/ EPITHELIAL CELLS, metabolism/ FEMALE/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, cytology/ *INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ INTESTINE, SMALL, physiology/ INTUBATION, GASTROINTESTINAL/ LACTATION/ MACROMOLECULAR SYSTEMS/ *OVALBUMIN, metabolism/ PINOCYTOSIS/ PREGNANCY/ STARVATION/ STRESS, metabolism/ SWINE

2194. **Leelaprute V, Boonpucknavig V, Bhamarapravati N, et al:** Hypervitaminosis A in rats. Varying responses due to different forms, doses, and routes of administration. Arch Pathol 96:5-9, Jul 73
ANIMAL EXPERIMENTS/ *BONE RESORPTION, chemically induced/ *CALCINOSIS, chemically induced/ FEMALE/ KIDNEY, drug effects/ LIVER, drug effects/ LUNG, drug effects/ MYOCARDIUM, drug effects/ *OSTEOPOROSIS, chemically induced/ RATS/ VITAMIN A, administration & dosage/ *VITAMIN A, toxicity

2195. **Leeper RD:** The effect of 131 I therapy on survival of patients with metastatic papillary or follicular thyroid carcinoma. J Clin Endocrinol Metab 36:1143-52, Jun 73
*ADENOCARCINOMA, radiotherapy/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BONE NEOPLASMS/ *CARCINOMA, PAPILLARY, radiotherapy/ CHILD/ FEMALE/ HUMAN/ IODINE ISOTOPES, therapeutic use/ LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ RADIOTHERAPY DOSAGE/ *THYROID NEOPLASMS, radiotherapy

2196. **Lees J, Alexander WD, Marchant B:** Accumulation of 35 S-thiouracil by the rat thyroid gland.
Endocrinology 93:162-71, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ RATS/ SULFATES, blood/ SULFUR ISOTOPES/ THIOURACIL, blood/ *THIOURACIL, metabolism/ *THYROID GLAND, metabolism

2197. **Lefebvre PJ, Luyckx AS:** Stimulation of insulin secretion after prostaglandin PGE 1 in the anesthetized dog.
Biochem Pharmacol 22:1773-9, 15 Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR/ DOGS/ FATTY ACIDS, NONESTERIFIED, blood/ HEART RATE, drug effects/ INSULIN, blood/ *INSULIN, secretion/ MALE/ PANCREAS, blood supply/ PANCREAS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

2198. **Lefkowitz RJ, Haber E:** Physiological receptors as physicochemical entities.
Circ Res 32:Suppl 1:46-52, 5 May 73
ACETYLCHOLINE, metabolism/ ADEN
CYCLIC 3',5' MONOPHOSPHATE, met
ADENOSINE TRIPHOSPHATE/ ADENY
CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETIT
BINDING SITES/ CATECHOLAMINES,
metabolism/ CATS/ CELL MEMBRAN
metabolism/ CORTICOTROPIN, metab
HUMAN/ INSULIN, metabolism/ LIVE
metabolism/ MOLECULAR WEIGHT/
MYOCARDIUM, metabolism/ RATS/
RECEPTORS, ADRENERGIC/ RECEPT
CHOLINERGIC/ *RECEPTORS, DRUG/
RECEPTORS, HORMONE/ REVIEW/
metabolism/ STIMULATION, CHEMIC

2199. **Legrand M, Weil-Fugazza J:** Influences comp
inhibiteurs de la synthèse des catécholamin
5-hydroxytryptamine sur la température
du rat exposé 4 heures à la chaleur ou
Therapie 27:1151-63, Nov-Dec 72
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ COLD/ COMPARA
STUDY/ ENGLISH ABSTRACT/ HEA
*METHYLTYROSINES, pharmacodynar
NOREPINEPHRINE, antagonists & in
RATS/ SEROTONIN, antagonists & i

2200. **Legros F, Saines M, Conard V:** Action du
cyclique et de la théophylline sur la
d'Acetabularia mediterranea.
Arch Int Physiol Biochim 81:164-6, Fe
ACETABULARIA, drug effects/
ACETABULARIA, metabolism/ *ADE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ALGAE, GREEN
metabolism/ *OXYGEN CONSUMPTI
effects/ *THEOPHYLLINE, pharmaco
TIME FACTORS

2201. **Legros JJ, Franchimont P, Palem-Vliers M,**
LH and testosterone blood level in pa
psychogenic impotence.
Endocrinol Exp (Bratisl) 7:59-64, 197
ADULT/ AGE FACTORS/ *FSH, blo
HUMAN/ *IMPOTENCE, physiopathol
blood/ MALE/ MIDDLE AGE/ *PITU
GLAND, physiopathology/
*PSYCHOPHYSIOLOGIC DISORDERS
physiopathology/ RADIOIMMUNOASS
*TESTIS, physiopathology/ *TESTOS
blood

2202. **Legros JJ, Franchimont P:** Human neuroph
levels under normal, experimental and
conditions. Clin Endocrinol (Oxf) 1:99-
ADOLESCENCE/ ADULT/ AGED/ E
diagnostic use/ EXERTION/ FEMAL
HUMAN/ INFANT, NEWBORN/ KID
DISEASES, blood/ LABOR/ LACTA
MALE/ MIDDLE AGE/ *NEUROPHY
blood/ NICOTINE, diagnostic use/
blood/ PITUITARY NEOPLASMS, b
PREGNANCY/ PUERPERIUM/
RADIOIMMUNOASSAY/ SMOKING

2203. **Legros JJ, Juchmès J:** Influence de
musculaire sur le traux plasmatique
neurophysine chez l'homme.
C R Soc Biol (Paris) 166:1391-3, 19
ADULT/ *EXERTION/ HEART RAT
HUMAN/ KINETICS/ MALE/
*NEUROPHYSINS, blood/ STATISTI
VASOPRESSIN, blood

2204. **Lehfeldt H:** Choice of ethinyl estradiol as
pill. Am J Obstet Gynecol 116:892-3,
*CONTRACEPTIVES, POSTCOITAL/
*ETHINYL ESTRADIOL, administrat
dosage/ ETHINYL ESTRADIOL, adv
effects/ FEMALE/ HUMAN

2205. **Lehninger A:** Receptor biophysics and b
Mitochondria.
Neurosci Res Program Bull 11:185-9
ADENOSINE DIPHOSPHATE, metab
ADENOSINE TRIPHOSPHATE, met

BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ ELECTRON TRANSPORT/ LIGANDS/ MEMBRANES, metabolism/ *MITOCHONDRIA, metabolism/ MODELS, BIOLOGICAL

eibson LG, Plisetskaia EM: Gormony i ikh rol'v reguliatsii metabolizma u kholodnokrovynky pozvonochnykh.
Usp Fiziol Nauk 3:26-44, Oct-Dec 72 (143 ref.) **(Rus)**
ADRENAL CORTEX HORMONES, physiology/ AMPHIBIA, physiology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ ENDOCRINE GLANDS, anatomy & histology/ EVOLUTION/ FISHES, physiology/ FROGS/ GLUCAGON, physiology/ GLYCOGEN, pharmacodynamics/ *HORMONES, physiology/ INSULIN, physiology/ PANCREAS, secretion/ PARATHYROID HORMONE, physiology/ REPTILES, physiology/ REVIEW/ SHARKS, physiology/ THYROCALCITONIN, physiology/ THYROID HORMONES, physiology/ THYROXINE, physiology/ TOADS, physiology/ ULTIMOBRANCHIAL BODY, secretion/ *VERTEBRATES, metabolism

eisweber B, Rotter S: Zur Frage der obstruktiven Cholangitis bei Babyratten, schwangeren Ratten und ihren Neugeborenen nach Gabe von 1-Naphthyl-isothiocyanat.
Acta Hepatogastroenterol (Stuttg) 19:241-50, Jul-Aug 72 **(Ger)**
ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CHOLANGITIS, chemically induced/ CHOLANGITIS, enzymology/ CHOLANGITIS, pathology/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *JAUNDICE, OBSTRUCTIVE, chemically induced/ JAUNDICE, OBSTRUCTIVE, enzymology/ JAUNDICE, OBSTRUCTIVE, pathology/ *LIVER, drug effects/ LIVER, enzymology/ LIVER, pathology/ PREGNANCY/ PREGNANCY, ANIMAL, drug effects/ RATS/ *THIOCYANATES, toxicity

eisti J, Leisti S, Perheentupa J, et al: Absence of IgA and growth hormone deficiency associated with short arm deletion of chromosome 18.
Arch Dis Child 48:320-2, Apr 73
*AUTOSOME ABNORMALITIES, complications/ AUTOSOME ABNORMALITIES, immunology/ CHILD/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 16-18/ *DWARFISM, PITUITARY, complications/ DWARFISM, PITUITARY, familial & genetic/ DWARFISM, PITUITARY, immunology/ HUMAN/ *IGA/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ INTESTINAL MUCOSA, immunology/ KARYOTYPING/ MALE/ MENTAL RETARDATION, complications/ *SOMATOTROPIN/ SOMATOTROPIN, therapeutic use

elièvre M, Brouillet J, Verdy M, et al: Néoplasie pulmonaire et insuffisance surrénalienne: observation d'un cas et hypothèse d'un facteur inhibant l'ACTH (ACTH-IF) ou d'une ACTH anormale sécrétée par la tumeur.
Union Med Can 102:1071-6, May 73 **(Fre)**
*ADENOCARCINOMA, PAPILLARY, complications/ ADENOCARCINOMA, PAPILLARY, metabolism/ *ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLANDS, physiopathology/ *CORTICOTROPIN, antagonists & inhibitors/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ *HORMONES, ECTOPIC, secretion/ HUMAN/ *LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, metabolism/ MALE/ MIDDLE AGE

e Magnen J, Devos M, Gaudillière JP, et al: Role of a lipostatic mechanism in regulation by feeding of energy balance in rats.
J Comp Physiol Psychol 84:1-23, Jul 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *APPETITE REGULATION/ BASAL METABOLISM/ BODY WEIGHT/ CARBON ISOTOPES/ *CIRCADIAN RHYTHM/ *EATING/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ GLUCOSE TOLERANCE TEST/ HUNGER/ *HYPOTHALAMUS, physiology/ LIPID MOBILIZATION/ MALE/ *METABOLISM/ OXYGEN CONSUMPTION/ RATS/ SPIROMETRY

2211. LeMahieu RA, Boris A, Carson M, et al: Preparation of 17 -acetoxy-7-oxaprogesterone.
J Med Chem 16:647-9, Jun 73
ANIMAL EXPERIMENTS/ HYDROGENATION/ IN VITRO/ INDICATORS AND REAGENTS/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, pharmacodynamics/ METHODS/ *PREGNENES, chem synthesis/ PREGNENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, chem synthesis/ PROGESTATIONAL HORMONES, pharmacodynamics/ UTERUS, drug effects

2212. Le Maire PA: Idiopathische pulmonaire hemosiderose. Beschrijving van drie patiënten en literatuuroverzicht.
Maandschr Kindergeneeskd 41:53-65, Apr 73 **(Dut)**
ADOLESCENCE/ AZATHIOPRINE, therapeutic use/ BLOOD TRANSFUSION/ CHILD/ CHILD, PRESCHOOL/ DIET/ ENGLISH ABSTRACT/ FEMALE/ *HEMOSIDEROSIS/ HEMOSIDEROSIS, radiography/ HEMOSIDEROSIS, therapy/ HUMAN/ IRON, therapeutic use/ *LUNG DISEASES/ LUNG DISEASES, radiography/ LUNG DISEASES, therapy/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS

2213. Lemarchand-Béraud T, Scazziga BR, Genazzani A, et al: Réponse hypophysaire au TRH (thyrotropin releasing hormone) chez les sujets normaux. Utilité du test au TRH dans les affections thyroïdiennes.
Schweiz Med Wochenschr 103:831-40, 9 Jun 73 **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ CONTRACEPTIVES, ORAL, blood/ ENGLISH ABSTRACT/ FEEDBACK/ FEMALE/ GOITER, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND FUNCTION TESTS/ SEX FACTORS/ *THYROID DISEASES, blood/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, blood/ THYROXINE, blood

2214. Leménager J, Tanguy A, Bénard Y, et al: Thymome avec érythroblastopénie. Dilatation des bronches. Paraprotéine monoclonale et plasmocytose médullaire.
Rev Tuberc Pneumol (Paris) 36:966-75, Sep-Oct 72 **(Fre)**
ANEMIA, APLASTIC, etiology/ ANTIBODIES, analysis/ AUTOPSY/ *BLOOD PROTEIN DISORDERS, etiology/ *BRONCHIECTASIS, etiology/ ENGLISH ABSTRACT/ ERYTHROPOIESIS/ FEMALE/ HUMAN/ IGG, isolation & purification/ IMMUNOELECTROPHORESIS/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *MEDIASTINAL NEOPLASMS, complications/ MEDIASTINAL NEOPLASMS, pathology/ MIDDLE AGE/ MUSCLES, immunology/ PLASMA CELLS/ *THYMOMA, complications/ THYMOMA, pathology/ THYROID GLAND, immunology

2215. Lemmer B, Hellenbrecht D, Grobecker H: Membrane effects of drugs interfering with adrenergic mechanisms. Acta Physiol Pol 24:285-8, Jan-Feb 73
*ALCOHOL, PROPYL, pharmacodynamics/ AMINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AXONS, metabolism/ AXOPLASMIC FLOW/ BIOGENIC AMINES, physiology/ BLOOD PLATELETS, metabolism/ *CELL MEMBRANE PERMEABILITY, drug effects/ CHROMAFFIN SYSTEM, metabolism/ CORONARY VESSELS, drug effects/ *COUMARINS/ EPINEPHRINE, metabolism/ *GLYCOLATES, pharmacodynamics/ HUMAN/

LIBRARY U. OF I., URBANA-CHAMPAIGN

IPROVERATRIL, pharmacodynamics/ NERVE ENDINGS, metabolism/ NOREPINEPHRINE, secretion/ PRENYLAMINE, pharmacodynamics/ *PROPIOPHENONES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ STIMULATION, CHEMICAL/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS/ *VASODILATOR AGENTS, pharmacodynamics

2216. **Lemoine AM:** Action de l'hypophysectomie et de la prolactine sur la teneur en acid e N-acetyl-neuraminique branchial de l'anguile, Anguilla anguilla.
C R Soc Biol (Paris) 166:268-73, 9 Nov 72 **(Fre)**
ANGUILLA/ ANIMAL EXPERIMENTS/ GILLS, analysis/ *HYPOPHYSECTOMY/ MALE/ *NEURAMINIC ACIDS, analysis/ *PROLACTIN, pharmacodynamics

2217. **Lengemann FW:** Reduction of iodine transfer to milk of cows after perchlorate ingestion.
J Dairy Sci 56:753-6, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ FEMALE/ IODIDES, administration & dosage/ IODINE, analysis/ IODINE, blood/ *IODINE, metabolism/ IODINE ISOTOPES/ LACTATION/ MILK, analysis/ *MILK, metabolism/ PERCHLORIC ACIDS, administration & dosage/ *PERCHLORIC ACIDS, pharmacodynamics/ PREGNANCY/ SODIUM, administration & dosage

2218. **Lengerová A, Hilgert I, Síma P, et al:** Analysis of the role of H-2 genotypic and phenotypic differences in the spleen colony formation and lymphatic follicle repopulation by bone marrow cells.
Folia Biol (Praha) 19:1-12, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BONE MARROW CELLS, transplantation/ CELL DIFFERENTIATION/ CELL DIVISION/ CELL LINE/ CLONE CELLS/ CORTISONE/ GENOTYPE/ GRAFT VS HOST REACTION/ HISTOCOMPATIBILITY ANTIGENS/ *LYMPHOCYTE TRANSFORMATION/ MICE/ MICE, INBRED C57BL/ PHENOTYPE/ *SPLEEN, cytology/ SPLEEN, immunology/ TRANSPLANTATION, HOMOLOGOUS

2219. **Lentze I:** Corynebacterium acnes. Ein entscheidender Faktor in der komplexen Atiologie der Akne vulgaris.
Hautarzt 24:91-5, Mar 73 (117 ref.) **(Ger)**
*ACNE, etiology/ ACNE, microbiology/ ADRENAL CORTEX HORMONES, metabolism/ ANIMAL EXPERIMENTS/ CATALASE, analysis/ CELL WALL, analysis/ CORYNEBACTERIUM ACNES, classification/ CORYNEBACTERIUM ACNES, enzymology/ CORYNEBACTERIUM ACNES, isolation & purification/ CORYNEBACTERIUM ACNES, pathogenicity/ *CORYNEBACTERIUM INFECTIONS, complications/ ESTERASES, analysis/ ESTROGENS, metabolism/ FATTY ACIDS, analysis/ FATTY ACIDS, NONESTERIFIED, metabolism/ FOLLICULITIS, microbiology/ GUINEA PIGS/ HUMAN/ MICE/ REVIEW/ SEBACEOUS GLANDS, metabolism/ SEBUM/ TESTOSTERONE, metabolism

2220. **Leonard A, Linden G:** Observations sur les propriétés mutagéniques des cyclamates chez les mammifères.
C R Soc Biol (Paris) 166:468-70, 9 Nov 72 **(Fre)**
ANIMAL EXPERIMENTS/ CHROMOSOMES, drug effects/ *CYCLAMATES, adverse effects/ CYCLAMATES, pharmacodynamics/ CYTOGENETICS/ HUMAN/ MALE/ MAMMALS/ MEIOSIS/ MICE/ *MUTATION, drug effects/ *SPERMATOGENESIS, drug effects/ TESTIS, drug effects

2221. **Leonard CM:** The connections of the dorsomedial nuclei. Brain Behav Evol 6:524-41, 1972
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ CATS/ CEREBRAL CORTEX, anatomy & histology/ FRONTAL LOBE, anatomy & histology/ MACACA, anatomy & histology/ MONKEYS/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS/ NEURONS, AFFERENT/ OLFACTORY BULB, a histology/ RATS/ TEMPORAL LOBE & histology/ *THALAMIC NUCLEI, histology

2222. **Leonard F, Nelson J, Wade CW:** Calciu through carbon tetrachloride solutions of
Calcif Tissue Res 12:113-5, 9 May 7
*CALCIUM/ CALCIUM ISOTOPES/ TETRACHLORIDE/ *CHOLECALCIF PHOSPHATES/ SOLUTIONS

2223. **Leontiuk LA:** The development of the structures of the ovaries.
Acta Physiol Pol 24:233-41, Jan-Feb
AGE FACTORS/ ANIMAL EXPERIM BIOGENIC AMINES, physiology/ CATECHOLAMINES, physiology/ CA FEMALE/ OVARY, blood supply/ * innervation/ RABBITS/ *SYMPATH NERVOUS SYSTEM, growth & deve SYMPATHETIC NERVOUS SYSTEM physiology

2224. **Lepkovsky S:** Hypothalamic-adipose ti interrelationships. Fed Proc 32:1705-
ADIPOSE TISSUE, metabolism/ AN EXPERIMENTS/ BODY WEIGHT/ *CASTRATION/ CHICKENS/ *FEED BEHAVIOR/ *HYPOTHALAMUS, ph LIVER, physiopathology/ MALE/ *O etiology/ OBESITY, physiopathology WEIGHT/ TESTOSTERONE, physiol

2225. **Lerman S, Davis P, Jackson WB:** Prolo hydrocortisone therapy.
Can J Ophthalmol 8:114-8, Jan 73
ANIMAL EXPERIMENTS/ CATTLE, immunology/ COMPARATIVE STUD CORNEA, injuries/ CORNEA, patho DELAYED-ACTION PREPARATION DISEASE MODELS, ANIMAL/ *HYDROCORTISONE, TOPICAL, ad & dosage/ HYDROCORTISONE, TO therapeutic use/ IMMUNITY, ACTI INFLAMMATION, etiology/ INJECT SUBCUTANEOUS/ *KERATITIS, dr KERATITIS, pathology/ OINTMENT OPHTHALMIC SOLUTIONS/ PLAC *PREDNISOLONE, administration & PREDNISOLONE, therapeutic use/ SERUM ALBUMIN

2226. **Lerner LJ, Carminati P, Rubin BL:** prostaglandins PGE 2 and PGF 2 on the a activity of various segments of the imm oviduct and uterus.
Proc Soc Exp Biol Med 143:536-9,
ADENOSINE CYCLIC 3',5' MONOP biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMEN *FALLOPIAN TUBES, enzymology/ ISOPROTERENOL, pharmacodynami NUCLEOTIDES, metabolism/ OXYT pharmacodynamics/ *PROSTAGLAN pharmacodynamics/ RABBITS/ THEOPHYLLINE, pharmacodynamic TRITIUM/ *UTERUS, enzymology

2227. **Lerner N, Sulimovici S, Lunenfeld B:** S -hydroxysteroid dehydrogenase in imm ovarian tissue. J Steroid Biochem 4:19
ANDROSTENEDIONE/ ANIMAL EXPERIMENTS/ CHROMATOGRAP CHROMATOGRAPHY, THIN LAYE CRYSTALLIZATION/ ESTRADIOL/ HYDROGEN-ION CONCENTRATION *HYDROXYSTEROID DEHYDROGE analysis/ KINETICS/ MASS SPECT ANALYSIS/ MICE/ NAD/ NADP/ enzymology/ TRITIUM

2228. **Le Roith D, Pimstone B:** The use of si administered 47 Ca and 45 Ca in the stu kinetics in the rat. Horm Metab Res 5:
ANIMAL EXPERIMENTS/ BIOLOG TRANSPORT/ BODY WEIGHT/ CA analysis/ *CALCIUM, blood/ CALC metabolism/ CALCIUM, urine/ CA

ISOTOPES/ FECES, analysis/ ISOTOPE LABELING/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ MODELS, BIOLOGICAL/ RATS/ TIME FACTORS

Leroux-Robert J, Lièvre JA, Roulleau P, et al: Syndrome de Gardner. A propos de deux cas familiaux. Ann Otolaryngol Chir Cervicofac 90:161-7, Mar 73 (Fre)
ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ *BONE NEOPLASMS, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ MALE/ MAXILLARY NEOPLASMS, radiography/ MAXILLARY NEOPLASMS, surgery/ *NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ OSTEOMA, familial & genetic/ OSTEOMA, radiography/ OSTEOMA, surgery/ *OSTEOMALACIA, familial & genetic/ *SKIN NEOPLASMS, familial & genetic

Leroy J, Robert M, Fillastre JP, et al: Crises hypercalcémiques aiguës d'origine parathyroidienne. Sem Hop Paris 49:487-93, 8 Feb 73 (Fre)
*ADENOMA, complications/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BONE RESORPTION, etiology/ CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, therapeutic use/ HEART ARREST, etiology/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, surgery/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, etiology/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PROGNOSIS/ PULMONARY EDEMA, etiology/ RESUSCITATION

Leshner AI, Walker WA: Dietary self-selection, activity and carcass composition of rats fed thiouracil. Physiol Behav 10:373-8, Feb 73
ADIPOSE TISSUE/ ANIMAL EXPERIMENTS/ BODY COMPOSITION, drug effects/ BODY WATER/ BODY WEIGHT, drug effects/ *DIET/ DIETARY CARBOHYDRATES/ DIETARY PROTEINS/ *EATING, drug effects/ HYPOTHYROIDISM, chemically induced/ *LOCOMOTION, drug effects/ MALE/ RATS/ *THIOURACIL, pharmacodynamics/ THYROID GLAND, physiology

Leslie CA, Levine L: Evidence for the presence of a prostaglandin E 2 -9-keto reductase in rat organs. Biochem Biophys Res Commun 52:717-24, 8 Jun 73
ADRENAL GLANDS, enzymology/ *ALCOHOL OXIDOREDUCTASES, analysis/ ALCOHOL OXIDOREDUCTASES, blood/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ ILEUM/ IMMUNE SERUMS/ KIDNEY, enzymology/ KINETICS/ LIVER, enzymology/ LUNG, metabolism/ MICROCHEMISTRY/ MUSCLE, SMOOTH, enzymology/ MUSCLES, enzymology/ *MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PROSTAGLANDINS/ PROTEIN DENATURATION/ RADIOIMMUNOASSAY/ RATS/ SPLEEN, enzymology/ SULFHYDRYL REAGENTS, pharmacodynamics/ TEMPERATURE/ UTERUS, enzymology

Lesser B, Bruchovsky N: The effects of testosterone, 5 -dihydrotestosterone and adenosine 3',5'-monophosphate on cell proliferation and differentiation in rat prostate.
Biochim Biophys Acta 308:426-37, 18 May 73
*ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL COUNT/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ ORGAN WEIGHT/ PROSTATE, anatomy & histology/ PROSTATE, cytology/ PROSTATE, drug effects/ *PROSTATE, growth & development/ PROSTATE, metabolism/ RATS/ REGENERATION, drug effects/ STANOLONE, administration & dosage/ *STANOLONE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

2234. Leuret JP: Le traitement médical des hyperthyroidies. Bord Med 5:2316-7, Nov 72 (Fre)
DIET THERAPY/ HUMAN/ *HYPERTHYROIDISM, therapy/ IODINE, therapeutic use/ REST/ TRANQUILIZING AGENTS, therapeutic use

2235. Levan G, Mitelman F, Telenius M: Chromosomes in Sipple's syndrome. Lancet 1:1510, 30 Jun 73
*ADENOMA, familial & genetic/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ *PARATHYROID NEOPLASMS, familial & genetic/ *PHEOCHROMOCYTOMA, familial & genetic/ *THYROID NEOPLASMS, familial & genetic

2236. Levene RZ: Corticosteroid effects on sulphate uptake in human iris.
Trans Am Ophthalmol Soc 70:437-66, 1972
AGED/ ANIMAL EXPERIMENTS/ CATS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ EPITHELIUM/ ERYTHROCYTES, drug effects/ FEMALE/ GUINEA PIGS/ HEMOGLOBIN, analysis/ HEMOLYSIS, drug effects/ HISTOLOGICAL TECHNICS/ HUMAN/ HYDROCORTISONE, blood/ IN VITRO/ INTRAOCULAR PRESSURE, drug effects/ IODOACETATES/ IRIS, drug effects/ *IRIS, metabolism/ MALE/ METHODS/ MIDDLE AGE/ RETINAL PIGMENTS/ *SULFATES, metabolism/ SULFUR ISOTOPES

2237. Levenson JE, Brightbill FS: Endothelial rejection in human transplants. Arch Ophthalmol 89:489-92, Jun 73
ADOLESCENCE/ ADULT/ AGED/ CORNEA, pathology/ *CORNEA, transplantation/ ENDOTHELIUM/ *EPITHELIUM/ FEMALE/ GLAUCOMA, surgery/ *GRAFT REJECTION/ GRAFT REJECTION, drug effects/ HUMAN/ INTRAOCULAR PRESSURE/ IRIS, surgery/ KERATOCONUS, surgery/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ TRIAMCINOLONE, therapeutic use/ VISUAL ACUITY

2238. Levi J, Grinblat J, Kleeman CR: Water diuresis in the volume expanded glucocorticoid-deficient dog.
Isr J Med Sci 9:429-37, Apr 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD VOLUME/ DESOXYCORTICOSTERONE, administration & dosage/ *DIURESIS/ DIURESIS, drug effects/ DOGS/ *EXTRACELLULAR SPACE/ FEMALE/ GLOMERULAR FILTRATION RATE/ *GLUCOCORTICOIDS, physiology/ GLUCOSE, administration & dosage/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ SODIUM, urine/ SODIUM CHLORIDE, administration & dosage/ VASOPRESSIN, blood/ *WATER/ WATER, administration & dosage

2239. Levin EJ, Frank DF: Bone changes following ureterolleostomy.
Am J Roentgenol Radium Ther Nucl Med 118:347-55, Jun 73
ACIDOSIS, complications/ ADOLESCENCE/ ADULT/ ANKLE, radiography/ BLADDER EXSTROPHY, surgery/ CHILD/ CHILD, PRESCHOOL/ FOREARM, radiography/ HAND, radiography/ HUMAN/ HYDRONEPHROSIS, radiography/ ILEUM, surgery/ INFANT/ LEG,

LIBRARY U. OF I., URBANA-CHAMPAIGN

radiography/ MALE/ RICKETS, etiology/ *RICKETS, radiography/ SIGMOID, surgery/ *URINARY DIVERSION, adverse effects/ UROGRAPHY

2240. **Levine S, Madden J 4th, Conner RL, et al:** Physiological and behavioral effects of prior aversive stimulation (preshock) in the rat. Physiol Behav 10:467-71, Mar 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *AROUSAL/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ CORTICOSTERONE, blood/ *ELECTROSHOCK/ *EXPLORATORY BEHAVIOR/ HANDLING (PSYCHOLOGY)/ HOUSING, ANIMAL/ INHIBITION (PSYCHOLOGY)/ LOCOMOTION/ MALE/ PITUITARY GLAND, physiology/ POSTURE

2241. **Levinson CJ:** Hysterectomy complications.
Clin Obstet Gynecol 15:802-26, Sep 72 (16 ref.)
DYSPAREUNIA, etiology/ EMOTIONS/ FEMALE/ GASTROINTESTINAL DISEASES, etiology/ GASTROINTESTINAL DISEASES, therapy/ HEMATOMA, therapy/ HUMAN/ *HYSTERECTOMY, adverse effects/ LUNG DISEASES, etiology/ LUNG DISEASES, therapy/ NERVOUS SYSTEM, injuries/ OVARIAN DISEASES, surgery/ *POSTOPERATIVE COMPLICATIONS, etiology/ POSTOPERATIVE COMPLICATIONS, prevention & control/ REVIEW/ SHOCK, etiology/ SHOCK, therapy/ SURGICAL WOUND DEHISCENCE, surgery/ SURGICAL WOUND INFECTION, drug therapy/ URINARY TRACT, injuries/ UROLOGIC DISEASES, etiology/ UROLOGIC DISEASES, therapy/ VASCULAR DISEASES, etiology/ VASCULAR DISEASES, therapy

2242. **Levison MJ, Frommer GP, Vance WB:** Palatability and caloric density as determinants of food intake in hyperphagic and normal rats.
Physiol Behav 10:455-62, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ *DIET/ DIETARY CARBOHYDRATES/ *EATING/ *FEEDING BEHAVIOR/ FEMALE/ FOOD PREFERENCES/ HYPOTHALAMUS, physiology/ KAOLIN/ OBESITY/ RATS/ SACCHARIN/ *TASTE

2243. **Levy BM, Dreizen S, Bernick S:** The marmoset periodontium in health and disease.
Monogr Oral Sci 1:1-87, 1972
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *DENTITION/ DENTITION, growth & development/ DISEASE MODELS, ANIMAL/ HORMONES, metabolism/ INTESTINAL ABSORPTION/ MALABSORPTION SYNDROMES/ METALS, analysis/ MONKEYS/ *MONKEYS, anatomy & histology/ NUTRITION DISORDERS, veterinary/ PERIODONTAL DISEASES, immunology/ PERIODONTAL DISEASES, microbiology/ *PERIODONTAL DISEASES, veterinary/ PERIODONTAL LIGAMENT, blood supply/ PERIODONTAL LIGAMENT, cytology/ PERIODONTAL LIGAMENT, innervation/ PERIODONTITIS, veterinary/ PERIODONTIUM/ PERIODONTIUM, anatomy & histology/ PERIODONTIUM, growth & development/ SALIVA, analysis/ SALIVA, microbiology/ TOOTH, DECIDUOUS

2244. **Levy DW:** Complete heart block complicating thyrotoxicosis. S Afr Med J 47:853, 26 May 73
ADULT/ CASE REPORT/ FEMALE/ *HEART BLOCK, complications/ HUMAN/ *HYPERTHYROIDISM, complications

2245. **Lewandowska-Tokarz A:** Zmiany niektórych procesów wątrobowych u świnek morskich pod wpływem dużych dawek hydrokortyzonu.
Endokrynol Pol 24:185-9, 1973 **(Pol)**
ALDOLASE, metabolism/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ DNA, metabolism/ GUINEA PIGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, drug effects/ LIVER, enzymology/ LIVER, metabol OXIDOREDUCTASES, metabolism/ R pharmacodynamics

2246. **Lewbart ML:** Reaction of -ketols and other steroids with phosgene. II. Structural requ the formation of 20-chloro-20,21-cyclic from 11-deoxycorticosterone and 11-dehydrocorticosterone.
J Org Chem 38:2328-35, 29 Jun 73
*CARBONATES, chem synthesis/ CE *CORTICOSTERONE, chem synthesis CYCLIZATION/ *DESOXYCORTICOS chem synthesis/ HYDROLYSIS/ OXIDATION-REDUCTION/ *PHOSGE STRUCTURE-ACTIVITY RELATIONS

2247. **Lewbart ML:** Reactions of -ketols and other steroids with phosgene. 3. Dehydroh products from 20-chloro-20,21-cyclic c
J Org Chem 38:2335-46, 29 Jun 73
CARBONATES/ CHEMISTRY/ *CORTICOSTERONE/ CYCLIZATION *DESOXYCORTICOSTERONE/ HYDR ISOMERISM/ *PHOSGENE/ STRUCTURE-ACTIVITY RELATIONS

2248. **Lewis AA, Deshpande N:** The effect of hypo on the cortisol secretion in 4 patients wi metastatic breast cancer. Br J Surg 60:4
AGED/ *BREAST NEOPLASMS, physiopathology/ BREAST NEOPLAS DEXAMETHASONE/ FEMALE/ HUM *HYDROCORTISONE, secretion/ HYDROCORTISONE, urine/ *HYPOPHYSECTOMY/ MIDDLE AG NEOPLASM METASTASIS/ *PITUIT GLAND, physiopathology/ SECRETO TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

2249. **Lewis MB, Nunes LB, Powell DE, et al:** spread of medulloblastoma. Cancer 31:12
AUTOPSY/ *BRAIN NEOPLASMS/ NEOPLASMS, drug therapy/ CARM therapeutic use/ CASE REPORT/ C FOSSA, POSTERIOR/ FEMORAL NEOPLASMS/ HUMAN/ LIVER NE LUNG NEOPLASMS/ LYMPHATIC METASTASIS/ MALE/ *MEDULLOB MEDULLOBLASTOMA, drug therap AGE/ NEOPLASM METASTASIS/ PANCREATIC NEOPLASMS/ PRED therapeutic use/ VINCRISTINE, the use

2250. **L'Hermite M, Robyn C:** Prolactine h humaine: détection radio-immunologiqu cours de la grossesse.
Ann Endocrinol (Paris) 33:357-60, Jul-A
ANIMAL EXPERIMENTS/ CATTLE REACTIONS/ ENGLISH ABSTRACT FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC/ H *PREGNANCY/ *PROLACTIN, bloo PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SHEEP, im SOMATOTROPIN

2251. **Li CH, Dixon JS, Chung D:** Amino acid human chorionic somatomammotropin
Arch Biochem Biophys 155:95-110, M
*AMINO ACID SEQUENCE/ AMINO analysis/ AUTOANALYSIS/ CHEMI CHROMATOGRAPHY, PAPER/ CY BROMIDE/ ELECTROPHORESIS/ F ACIDS/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, a GONADOTROPINS, CHORIONIC, is purification/ HUMAN/ PEPTIDE C TERMINATION/ PEPTIDES, analys PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, isolation purification

2252. **Liakakos D, Anoussakis C, Dalles K, et al:** of action of acetylsalicylic acid (aspirin
Helv Paediatr Acta 28:109-16, May
ADULT/ *ASPIRIN, pharmacodynar CHILD/ CHILD, PRESCHOOL/ *CO

metabolism/ *CONNECTIVE TISSUE, drug effects/ CONNECTIVE TISSUE, metabolism/ DEPRESSION, CHEMICAL/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPROLINE, urine/ MALE/ PROLINE, metabolism

Liang HC, Lien IN: Comparative study in the management of frozen shoulder.
J Formosan Med Assoc 72:243-7, Apr 73
ADULT/ AGED/ COMPARATIVE STUDY/ DEXAMETHASONE, therapeutic use/ EXERCISE THERAPY/ FEMALE/ HEAT, therapeutic use/ HUMAN/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, therapy/ MALE/ MIDDLE AGE/ *SHOULDER JOINT, drug effects/ TRIAMCINOLONE, therapeutic use

Liapunova NA, Zosimovskaia AI: Avtoradiograficheskoe issledovanie dlitel'nosti stadii spermatogenesis u sverchka.
Tsitologiia 15:276-82, Mar 73 (Rus)
AMPHIBIA, physiology/ ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ DROSOPHILA, physiology/ ENGLISH ABSTRACT/ FISHES, physiology/ HAMSTERS/ HUMAN/ *INSECTS, physiology/ MACACA, physiology/ MALE/ MICE/ MOLLUSCA, physiology/ MONKEYS/ PHYSIOLOGY, COMPARATIVE/ RABBITS/ RATS/ SHEEP, physiology/ *SPERMATOGENESIS/ TESTIS, physiology/ THYMIDINE/ TIME FACTORS/ TRITIUM

Liard JF: Sodium retention versus renin-angiotensin system in experimental renal hypertension.
Can J Physiol Pharmacol 51:238-41, Mar 73
*ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BODY WEIGHT/ DESOXYCORTICOSTERONE/ FUROSEMIDE, pharmacodynamics/ *HYPERTENSION, RENAL, metabolism/ HYPERTENSION, RENAL, physiopathology/ KIDNEY, physiopathology/ MALE/ NATRIURESIS, drug effects/ NEPHRECTOMY/ RATS/ *RENIN, metabolism/ *SODIUM, metabolism/ SODIUM, pharmacodynamics

Libertun C, McCann SM: Blockade of the release of gonadotropins and prolactin by subcutaneous or intraventricular injection of atropine in male and female rats. Endocrinology 92:1714-24, Jun 73
ANIMAL EXPERIMENTS/ *ATROPINE, administration & dosage/ ATROPINE, pharmacodynamics/ CASTRATION/ CEREBRAL VENTRICLES/ FEMALE/ *FSH, blood/ INJECTIONS/ INJECTIONS, SUBCUTANEOUS/ LH/ *LH, blood/ MALE/ OVARY, physiology/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROLACTIN, blood/ RATS/ TESTIS, physiology/ TIME FACTORS

Libertun C, Timiras PS, Kragt CL: Sexual differences in the hypothalamic cholinergic system before and after puberty: inductory effect of testosterone.
Neuroendocrinology 12:73-85, 1973
*ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, metabolism/ ACETYLTRANSFERASES, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ CHOLINE/ ESTRUS/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, metabolism/ LH, blood/ MALE/ NERVE TISSUE PROTEINS, metabolism/ NEURAL TRANSMISSION/ *PUBERTY/ RATS/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

LeBrie SJ: Endocrines and water and electrolyte balance in reptiles. Fed Proc 31:1599-608, Nov-Dec 72
ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL CORTEX HORMONES, physiology/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, metabolism/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CHLORIDES, blood/ DIURESIS/ GLOMERULAR FILTRATION RATE/ HYPOPHYSECTOMY/ KIDNEY, physiology/ KIDNEY TUBULES, DISTAL, physiology/ LIZARDS/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ *REPTILES, physiology/ SNAKES/ SODIUM, blood/ SODIUM CHLORIDE, administration & dosage/ TURTLES/ *VASOPRESSIN, physiology/ WATER, metabolism/ *WATER-ELECTROLYTE BALANCE

2259. Licht P: Environmental influences on the testis cycles of the lizards Dipsosaurus dorsalis and Xantusia vigilis. Comp Biochem Physiol [A] 45:7-20, 1 May 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ CIRCADIAN RHYTHM/ DARKNESS/ ENVIRONMENT/ LIGHT/ *LIZARDS/ MALE/ ORGAN WEIGHT/ SEASONS/ SPECIES SPECIFICITY/ SPERMATOGENESIS/ TEMPERATURE/ *TESTIS, metabolism

2260. Licht P: Induction of spermiation in anurans by mammalian pituitary gonadotropins and their subunits. Gen Comp Endocrinol 20:522-9, Jun 73
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ FROGS/ *FROGS, physiology/ *FSH, pharmacodynamics/ HYPOPHYSECTOMY/ IMMUNE SERUMS, pharmacodynamics/ *LH, pharmacodynamics/ PITUITARY GLAND/ RANA CATESBEIANA/ RANA PIPIENS/ SPECIES SPECIFICITY/ *SPERMATOZOA, drug effects/ SWINE/ *TESTIS, drug effects/ TISSUE EXTRACTS/ TRYPSIN, pharmacodynamics

2261. Licht P: Relative potencies of purified mammalian gonadotropins on the uptake of radiophosphorus by chick testes. Gen Comp Endocrinol 20:592-4, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHICKENS/ *FSH, pharmacodynamics/ *LH, pharmacodynamics/ *PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ SHEEP/ *TESTIS, drug effects/ TESTIS, metabolism

2262. Liégeois A: Un épithélioma pramtif de la trompe de Fallope. Son dépistage cytologique.
J Gynecol Obstet Biol Reprod (Paris) 1:745-53, Oct-Nov 72 (Fre)
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ ADULT/ BIOPSY/ BRENNER TUMOR, diagnosis/ CERVIX UTERI/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ *FALLOPIAN TUBE NEOPLASMS, diagnosis/ FALLOPIAN TUBE NEOPLASMS, pathology/ FEMALE/ HUMAN/ HYSTERECTOMY/ OVARIAN NEOPLASMS, diagnosis/ PROGNOSIS/ VAGINAL SMEARS

2263. Lietz H: Zur Morphokinetik und Cytochemie der Schilddrüs. Ultracytochemische und elektronenmikroskopisch-autoradiographische Untersuchungen am Goldhamster (Cricetus auratus.
Z Zellforsch Mikrosk Anat 138:569-84, 1973 (Ger)
ACID PHOSPHATASE/ ADENOSINE TRIPHOSPHATASE/ ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL MEMBRANE/ ENDOTHELIUM, cytology/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, cytology/ FEMALE/ GOLGI APPARATUS/ HAMSTERS/ HISTOCYTOCHEMISTRY/ IODINE ISOTOPES/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ PINOCYTOSIS/ THYROID GLAND, cytology/ *THYROID GLAND, physiology/ THYROTROPIN

2264. Lieveaux A: Une nouvelle thérapeutique locale des vaginites atrophiques.
Gynecol Prat 23:193-5, 1972 (Fre)
ADULT/ AGED/ ATROPHY, drug therapy/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *ESTRIOL, administration & dosage/ ESTRIOL, therapeutic use/ FEMALE/

LIBRARY U. OF I., URBANA-CHAMPAIGN

FREEZE DRYING/ HUMAN/ *LACTOBACILLUS ACIDOPHILUS/ MENOPAUSE/ MIDDLE AGE/ *PROGESTERONE, administration & dosage/ PROGESTERONE, therapeutic use/ VAGINAL SMEARS/ *VAGINITIS, drug therapy

2265. **Lillard DA, Noles RK:** Effect of force molting and induced hyperthyroidism on the depletion of DDT residues from the laying hen.
Poult Sci 52:222-37, Jan 73
ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *CHICKENS/ DDT, analysis/ *DDT, metabolism/ EGGS, analysis/ FEMALE/ HYPERTHYROIDISM, metabolism/ *HYPERTHYROIDISM, veterinary/ OVULATION/ PESTICIDE RESIDUES, analysis/ *PESTICIDE RESIDUES, analysis/ *POULTRY DISEASES, metabolism

2266. **Lim P, Jacob E:** Magnesium status in chronic uraemic patients.
Nephron 9:300-7, 1972
ADULT/ BONE AND BONES, analysis/ CALCIUM, blood/ CONVULSIONS, etiology/ CREATININE, blood/ CREATININE, urine/ ERYTHROCYTES, analysis/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, metabolism/ MAGNESIUM, analysis/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM DEFICIENCY, complications/ MALE/ MIDDLE AGE/ MUSCLES, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

2267. **Lim R, Mitsunobu K, Li WK:** Maturation-stimulating effect of brain extract and dibutyryl cyclic AMP on dissociated embryonic brain cells in culture.
Exp Eye Res 79:243-6, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *BRAIN/ BRAIN, embryology/ CELL DIFFERENTIATION, drug effects/ *CELLS, CULTURED, drug effects/ *GROWTH SUBSTANCES/ MICROSCOPY, PHASE CONTRAST/ RATS/ *TISSUE EXTRACTS, pharmacodynamics

2268. **Lincoln DW:** Milk ejection during alcohol anaesthesia in the rat.
Nature 243:227-9, 25 May 73
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ FEMALE/ *LACTATION, drug effects/ OXYTOCIN, blood/ OXYTOCIN, pharmacodynamics/ RATS

2269. **Lincoln DW, Hill A, Wakerley JB:** The milk-ejection reflex of the rat: an intermittent function not abolished by surgical levels of anaesthesia.
J Endocrinol 57:459-76, Jun 73
*ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ CARBAMATES, pharmacodynamics/ FEMALE/ *LACTATION, drug effects/ MAMMAE, physiology/ MODELS, BIOLOGICAL/ OXYTOCIN, secretion/ PENTOBARBITAL, pharmacodynamics/ PREGNANCY/ PRESSURE/ RATS/ *REFLEX, drug effects/ SUCKING BEHAVIOR/ TIME FACTORS/ TRIBROMOETHANOL, pharmacodynamics

2270. **Lincoln GA:** Appearance of antler pedicles in early foetal life in red deer.
J Embryol Exp Morphol 29:431-7, Apr 73
ADRENAL GLANDS, embryology/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *DEER/ FEMALE/ *FETUS, growth & development/ GENITALIA, FEMALE, embryology/ GENITALIA, MALE, embryology/ *HORNS, embryology/ MALE/ OVARY, embryology/ PITUITARY GLAND, embryology/ PREGNANCY/ RADIOIMMUNOASSAY/ SEX CHARACTERISTICS/ TESTIS, embryology/ TESTOSTERONE, analysis/ TESTOSTERONE, physiology

2271. **Lindau M, Spielberger U:** Der Einfluss von Samorin-Injektionen auf Gewichtsentwicklung und Milchleistung bei westafrikanischen Zebu-Azaouak-Rindern.
Berl Munch Tieraerztl Wochenschr 86:129-3

AMIDINES, pharmacodynamics/ ANIMA EXPERIMENTS/ *ANTIPROTOZOAL A pharmacodynamics/ AZO COMPOUNDS pharmacodynamics/ *BODY WEIGHT, effects/ BREEDING/ *CATTLE/ ENGL ABSTRACT/ FEMALE/ *LACTATION, effects/ *PHENANTHRIDINES, pharmacodynamics/ PREGNANCY

2272. **Lindholm J, Rasmussen P, Korsgaard O:** Intr pituitary abscess.
J Neurosurg 38:616-9,
ADOLESCENCE/ ADULT/ BLOOD SU analysis/ *BRAIN ABSCESS/ BRAIN cerebrospinal fluid/ BRAIN ABSCESS, metabolism/ BRAIN ABSCESS, microb BRAIN ABSCESS, radiography/ BRAIN ABSCESS, surgery/ CEREBROSPINAL PROTEINS, analysis/ CORYNEBACTER isolation & purification/ FEMALE/ GI cerebrospinal fluid/ GONADOTROPINS PITUITARY, urine/ HUMAN/ HYDROXYSTEROIDS, blood/ 17-KETOSTEROIDS, urine/ *PITUITAR DISEASES/ PITUITARY DISEASES, cerebrospinal fluid/ PITUITARY DISE metabolism/ PITUITARY DISEASES, microbiology/ PITUITARY DISEASES, radiography/ PITUITARY DISEASES, PNEUMOENCEPHALOGRAPHY/ *SELL TURCICA/ SELLA TURCICA, radiogra STAPHYLOCOCCUS, isolation & purif

2273. **Lindsay DR, Fletcher IC:** Ram-seeking associated with oestrous behaviour in
Anim Behav 20:452-6, Aug 72
ANIMAL EXPERIMENTS/ BENZOATE BREEDING/ CASTRATION/ DOSE-RE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIO pharmacodynamics/ *ESTRUS/ FEMAL *LOCOMOTION, drug effects/ MALE/ PROGESTERONE, administration & d PROGESTERONE, pharmacodynamics/ SEASONS/ *SEX BEHAVIOR, ANIMA effects/ *SHEEP

2274. **Ling W, LeMaire W, D'Adesky C, et al:** 3',5'-monophosphate in amniotic fluid fro pregnancy.
J Clin Endocrinol Metab 37:56
ABORTION, THERAPEUTIC/ ADENOS CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOS TRIPHOSPHATE/ AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ BINDIN COMPETITIVE/ *BIRTH WEIGHT/ C NUCLEOTIDES/ FEMALE/ GESTATIO AGE/ HUMAN/ HYDROLYSIS/ MALE *PREGNANCY/ TRITIUM/ URACIL NUCLEOTIDES

2275. **Linquette M, Chechan C, Lefebvre J, et al:** thyroxine libre: méthode de mesure
Lille Med 18:1-6, Jun 73
FEMALE/ HUMAN/ MALE/ METHOD PREGNANCY/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNC TESTS/ *THYROXINE, blood

2276. **Linsenmayer TF, Trelstad RL, Toole BP,** collagen of osteogenic cartilage in the chick.
Biochem Biophys Res Commun 52:870-6,
ANIMAL EXPERIMENTS/ AUTOANA *BONE AND BONES, embryology/ *CARTILAGE, analysis/ CHICK EMBR CHROMATOGRAPHY/ CHROMATOGR DEAE-CELLULOSE/ CHROMATOGRA EXCHANGE/ *COLLAGEN, analysis/ HYDROXYPROLINE, analysis/ MOLE WEIGHT/ PEPTIDES, analysis/ POLYSACCHARIDES/ PROLINE, anal TISSUE CULTURE/ TRITIUM

2277. **Lioxner LD:** Different methods of rege
Sov J Dev Biol 3:1-6, Jan-Feb 72 (2
ADRENAL GLANDS, physiology/ ANI EXPERIMENTS/ BONE REGENERATI

HYPERTROPHY/ KIDNEY, physiology/ LIVER REGENERATION/ LUNG, physiology/ MAMMALS/ PANCREAS, physiology/ *REGENERATION/ REVIEW/ SPLEEN, physiology/ WOUND HEALING

Lippert TH, Bärtschi R, Lüthi A: Therapeutic abortion by intrauterine infusion of prostaglandin F 2 Arch Gynaekol 213:197-201, 1973
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFUSIONS, PARENTERAL/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS

Lippman ME, Halterman RH, Leventhal BG, et al: Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells.
J Clin Invest 52:1715-25, Jul 73
ANDROSTENEDIONE, metabolism/ BINDING, COMPETITIVE/ CYTOSOL/ DEXAMETHASONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYDROCORTISONE, metabolism/ IN VITRO/ KINETICS/ *LEUKEMIA, LYMPHOBLASTIC, metabolism/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ *PROTEIN BINDING/ RECEPTORS, HORMONE/ TETRAHYDROCORTISOL, metabolism/ THYMIDINE, metabolism/ TRITIUM

Lippman ME, Thompson EB: Drug combinations in malignant disease. Lancet 1:1198, 26 May 73
ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *NEOPLASMS, drug therapy

Lipsitz PJ, Orkin LA, Tarasuk A: An unusual surgical manifestation of Schönlein-Henoch purpura.
J Pediatr Surg 8:437-8, Jun 73
ANGIONEUROTIC EDEMA, etiology/ CASE REPORT/ CHILD, PRESCHOOL/ DIAGNOSTIC ERRORS/ HUMAN/ MALE/ *PURPURA, complications/ SEX FACTORS/ SPERMATIC CORD TORSION, diagnosis/ SYNDROME/ *TESTICULAR DISEASES, etiology

Lipson AH: Epidemic rickets in Sydney.
Aust Paediatr J 9:14-7, Feb 73
AMINO ACID METABOLISM, INBORN ERRORS, familial & genetic/ AUSTRALIA/ BREAST FEEDING/ CHILD, PRESCHOOL/ ETHNIC GROUPS/ FEMALE/ HUMAN/ INFANT/ MALE/ RICKETS, diagnosis/ *RICKETS, occurrence/ RICKETS, prevention & control

Lisbona R, Lacourciere Y, Rosenthall L: Aspergillomatous abscesses of the brain and thyroid.
J Nucl Med 14:541-2, Jul 73
ADOLESCENCE/ ASPERGILLOSIS, chemically induced/ *ASPERGILLOSIS, diagnosis/ BRAIN ABSCESS, chemically induced/ *BRAIN ABSCESS, diagnosis/ CASE REPORT/ HUMAN/ MALE/ *PREDNISONE, adverse effects/ RADIOISOTOPE SCANNING/ TECHNETIUM, diagnostic use/ THYROID DISEASES, chemically induced/ *THYROID DISEASES, diagnosis

Lischke JH, Curtis CH, Lamb EJ: Discordance of vaginal agenesis in monozygotic twins.
Obstet Gynecol 41:920-4, Jun 73
ABNORMALITIES, familial & genetic/ ADOLESCENCE/ ADULT/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ SEX CHROMATIN, analysis/ *VAGINA, abnormalities/ VAGINA, embryology

Liszewska D, Lukasik E: Periphere arterielle Durchblutungsstörungen bei Kranken bis zum 40. Lebensjahr.
Z Gesamte Inn Med 27:930-3, 1 Nov 72 (Ger)
ADRENALECTOMY/ ADULT/ AGE FACTORS/ AGED/ AMPUTATION/ ARTERIAL OCCLUSIVE DISEASES, complications/ *ARTERIAL OCCLUSIVE DISEASES, diagnosis/ ARTERIAL OCCLUSIVE DISEASES, physiopathology/ ARTERIAL OCCLUSIVE DISEASES, surgery/ ARTERIOSCLEROSIS OBLITERANS, diagnosis/ CEREBROVASCULAR DISORDERS, complications/ CORONARY DISEASE, complications/ ENGLISH ABSTRACT/ EXTREMITIES/ FEMALE/ HUMAN/ LEG, blood supply/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, complications/ SYMPATHECTOMY/ VASCULAR SURGERY

2286. Litteria M: In vivo alterations in the incorporation of (3 H)lysine into the medial preoptic nucleus and specific hypothalamic nuclei during the estrous cycle of the rat. Brain Res 55:234-7, 30 May 73
ANIMAL EXPERIMENTS/ ESTROGENS, blood/ *ESTRUS/ FEMALE/ *HYPOTHALAMUS, metabolism/ *LYSINE, metabolism/ NERVE TISSUE PROTEINS, biosynthesis/ PROGESTERONE, blood/ RATS/ *SUPERIOR COLLICULUS, metabolism/ TRITIUM

2287. Little B, Billiar RB, Bougas J, et al: The splanchnic clearance rate of progesterone in patients with cardiac disease.
J Clin Endocrinol Metab 36:1222-9, Jun 73
ADOLESCENCE/ ADULT/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ CARDIAC OUTPUT/ FEMALE/ HUMAN/ IODINE ISOTOPES/ *LIVER, metabolism/ LIVER CIRCULATION/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ ROSE BENGAL/ TRITIUM

2288. Litton C, Fournier P, Capinpin A: A survey of chemical peeling of the face.
Plast Reconstr Surg 51:645-7, Jun 73
BANDAGES/ *DERMABRASION/ FACE, drug effects/ FACE, surgery/ FOLLOW-UP STUDIES/ HUMAN/ IODIDES, pharmacodynamics/ METHODS/ PHENOLS, adverse effects/ PHENOLS, pharmacodynamics/ PIGMENTATION, drug effects/ SKIN, drug effects/ SKIN, surgery/ THYMOL, pharmacodynamics/ WOUND HEALING

2289. Litvinenko AF, Markov VV: Otsenka opredeleniia serdechnogo bybrosa metodom oksigemografii (T-1824) i radiokardiografii (I-131-al'bumin.
Med Radiol (Mosk) 17:69-72, Aug 72 (Rus)
ADULT/ *CARDIAC OUTPUT/ DYE DILUTION TECHNIC/ ENGLISH ABSTRACT/ FEMALE/ *HEART FUNCTION TESTS/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, physiopathology/ METHODS/ MIDDLE AGE/ *OXIMETRY/ OXYGEN, blood/ RADIOISOTOPE DILUTION TECHNIC/ SERUM ALBUMIN, RADIO-IODINATED

2290. Liu PI, Ishimaru T, McGregor DH, et al: Autopsy study of granulocytic sarcoma (chloroma) in patients with myelogenous leukemia, Hiroshima-Nagasaki 1949-1969. Cancer 31:948-55, Apr 73
ADOLESCENCE/ ADULT/ ARM, pathology/ *ATOMIC WARFARE/ AUTOPSY/ BONE NEOPLASMS, pathology/ BRAIN NEOPLASMS, pathology/ BREAST NEOPLASMS, pathology/ EYE MANIFESTATIONS/ FEMALE/ HUMAN/ JAPAN/ KIDNEY NEOPLASMS, pathology/ LEUKEMIA, MYELOCYTIC, etiology/ *LEUKEMIA, MYELOCYTIC, pathology/ *LEUKEMIA, RADIATION-INDUCED, pathology/ LUNG NEOPLASMS, pathology/ LYMPH NODES, pathology/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ OVARIAN NEOPLASMS, pathology/ RADIATION DOSAGE

2291. Liuzzi A, Chiodini PG, Botalla L, et al: Influence de l'acetate de mêdroxyprogestêrone (MPA) sur le taux plasmatique de la STH chez douze malades atteints d'acromegalie.
Ann Endocrinol (Paris) 33:426-30, Jul-Aug 72 (Fre)
ACROMEGALY, blood/ *ACROMEGALY, drug therapy/ ADOLESCENCE/ ADULT/ ARGININE,

LIBRARY U. OF I., URBANA-CHAMPAIGN

diagnostic use/ BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, diagnostic use/ MALE/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ SECRETORY RATE, drug effects/ *SOMATOTROPIN, blood

2292. **Livingston S, Berman W, Pauli LL:** Anticonvulsant drugs and vitamin D metabolism.
JAMA 224:1634-5, 18 Jun 73
ANTICONVULSANTS, administration & dosage/ *ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ CHILD/ EPILEPSY, drug therapy/ HUMAN/ *VITAMIN D, metabolism

2293. **Lloyd RV, McShan WH:** Study of rat anterior pituitary cells separated by velocity sedimentation at unit gravity. Endocrinology 92:1639-51, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL SEPARATION/ FSH, analysis/ GLUCOSAMINE, metabolism/ LH, analysis/ MALE/ METHODS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ PRONASE/ RADIOIMMUNOASSAY/ RATS/ TRITIUM/ TRYPSIN

2294. **Loeb JN, Yeung LL:** Effects of cortisone on thymidine incorporation by various nonlymphoid tissues of the weanling rat. Proc Soc Exp Biol Med 143:502-7, Jun 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CORTISONE, pharmacodynamics/ *DNA, biosynthesis/ GASTRIC MUCOSA, metabolism/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS/ SPLEEN, metabolism/ TESTIS, metabolism/ *THYMIDINE, metabolism/ TRITIUM

2295. **Loh TT, Kaldor I:** Iron in milk and milk fractions of lactating rats, rabbits and quokkas.
Comp Biochem Physiol [B] 44:337-46, 15 Feb 73
CASEIN, analysis/ FATS, analysis/ FEMALE/ *IRON, analysis/ IRON ISOTOPES/ LACTATION/ MARSUPIALIA/ *MILK, analysis/ PREGNANCY/ RABBITS/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS

2296. **Lombardino JG, Wiseman EH, Chiaini J:** Potent anti-inflammatory N-heterocyclic 3-carboxamides of 4-hydroxy-2-methyl-2H-1,2-benzothiazine 1,1-dioxide.
J Med Chem 16:493-6, May 73
ADRENALECTOMY/ AMIDES, blood/ AMIDES, chem synthesis/ AMIDES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, blood/ *ANTI-INFLAMMATORY AGENTS, chem synthesis/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ CARRAGEENAN/ CYCLIC S-OXIDES, blood/ CYCLIC S-OXIDES, chem synthesis/ CYCLIC S-OXIDES, therapeutic use/ DOGS/ EDEMA, chemically induced/ EDEMA, drug therapy/ HALF-LIFE/ KINETICS/ MONKEYS/ RABBITS/ RATS/ THIAZINES, blood/ *THIAZINES, chem synthesis/ THIAZINES, therapeutic use

2297. **London DR, Butt WR, Marshall JC:** Intranasal L.H.-releasing hormone. Lancet 1:1450, 23 Jun 73
ADMINISTRATION, INTRANASAL/ HUMAN/ *LH/ *PITUITARY HORMONE RELEASING FACTORS, administration & dosage

2298. **Long DM, Maxwell RE, French LA:** The effects of glucosteroids upon cold-induced brain edema. 3. Prevention of gliosis following brain edema.
J Neuropathol Exp Neurol 32:245-55, Apr 73
ANIMAL EXPERIMENTS/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN EDEMA, pathology/ CATS/ *COLD/ DEXAMETHASONE, therapeutic use/ FEMALE/ GLIOSIS, prevention & control/ *GLUCOCORTICOIDS, therapeutic use/ MALE/ MICROSCOPY, ELECTRON/ *NEURO
STAINS AND STAINING/ TIME FA

2299. **Lonigro AJ, Itskovitz HD, Crowshaw**
Dependency of renal blood flow on pr
synthesis in the dog. Circ Res 32:712
ANIMAL EXPERIMENTS/ ANTHRAN
ACID, pharmacodynamics/
ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARACHIDONIC
BLOOD PRESSURE/ CARBON ISOT
CHROMATOGRAPHY/ DOGS/
INDOMETHACIN, pharmacodynamics/
KIDNEY, blood supply/ KIDNEY, drug effects/ KIDNEY, metabolism/
PERFUSION/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, bl
REGIONAL BLOOD FLOW/ TOLUEN
pharmacodynamics

2300. **Lonowski DJ, Levitt RA:** Inhibition of elicited feeding and drinking by autonom agents. Behav Biol 8:251-9, Feb 73
ANIMAL EXPERIMENTS/ *ATROPIN
pharmacodynamics/ CARBACHOL, pharmacodynamics/ *DRINKING/ *EA
drug effects/ HUNGER, drug effects
HYPOTHALAMUS, drug effects/
HYPOTHALAMUS, physiology/ INHI
NEURAL, drug effects/ LIMBIC SY
drug effects/ LIMBIC SYSTEM, phy
MALE/ NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMIN
pharmacodynamics/ RATS/ RECEPT
ADRENERGIC, drug effects/ RECEP
CHOLINERGIC, drug effects/ STERE
TECHNICS/ THIRST, drug effects

2301. **Looney M:** Membranous glomeruloneph steroids. Ann Intern Med 78:782, Ma
*GLOMERULONEPHRITIS, drug ther
*GLUCOCORTICOIDS, therapeutic us
HUMAN/ *NEPHROTIC SYNDROME, therapy/ REMISSION/ TIME FACTO

2302. **Lotti G, Azzena GB, Rolandi E, et**
testosterone after hypothalamic stimula
male rat. Arch Int Physiol Biochim 81:4
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, GAS/ ELECTR
STIMULATION/ GLUCURONATES, u
*HYPOTHALAMUS, physiology/ MAL
*TESTOSTERONE, urine/ TIME FAC

2303. **Louie AJ, Dixon GH:** Kinetics of phospho dephosphorylation of testis histones possible role in determining chromosoma
Nature [New Biol] 243:164-8, 6 Jun
ANIMAL EXPERIMENTS/ ARGININ
metabolism/ *CHROMOSOMES/
CHROMOSOMES, analysis/ DNA/ *D
metabolism/ ELECTROPHORESIS, S
GEL/ HISTONES/ HISTONES, analy
HISTONES, biosynthesis/ *HISTONE
metabolism/ KINETICS/ LYSINE, m
MALE/ NUCLEIC ACID CONFORMA
PHOSPHATASES, metabolism/ PHOS
analysis/ *PHOSPHORUS, metabolism
PHOSPHORUS ISOTOPES/
PHOSPHOTRANSFERASES, metaboli
PROTEIN BINDING/ SALMONIDAE/
enzymology/ *TESTIS, metabolism/

2304. **Love EW, Morgan DB:** The effect of vi phosphates in human red blood cells and the chick.
Comp Biochem Physiol [B] 44:557-65,
ANIMAL EXPERIMENTS/ CHICKEN
CHROMATOGRAPHY, ION EXCHAN
analysis/ *ERYTHROCYTES, metabol
HUMAN/ INTESTINAL MUCOSA, a
KIDNEY, analysis/ MUSCLES, analy
NUCLEOTIDES, analysis/ PEPTIDES
PHOSPHATES, analysis/ PHOSPHOL
analysis/ PHOSPHOPROTEINS, analy
PHOSPHORIC ACIDS, analysis/ *PH
ACIDS, blood/ PHOSPHORIC ACIDS
metabolism/ RNA, analysis/ SOLUBI
SPECTROPHOTOMETRY, ULTRAVIO

*VITAMIN D, pharmacodynamics/ VITAMIN D DEFICIENCY

óna A, Keresztl Z, Berencsi G: Sex difference and seasonal variations of the serum total lipid and cholesterol levels of normal rabbits.
Acta Physiol Acad Sci Hung 42:1-11, 1972
ANIMAL EXPERIMENTS/ *CHOLESTEROL, blood/ ESTRADIOL, pharmacodynamics/ FEMALE/ KIDNEY, drug effects/ *LIPIDS, blood/ LIVER, drug effects/ MALE/ *PERIODICITY/ *RABBITS, physiology/ SEASONS/ TESTOSTERONE, pharmacodynamics

oryo F: Nursing case study--thyroidectomy.
Zambia Nurse 5:10-2, Apr-May 73
POSTOPERATIVE CARE/ SPECIAL LIST NURSING/ SURGICAL NURSING/ THYROIDECTOMY, nursing

n KH, Meites J: Effects of serotonin precursors and melatonin on serum prolactin release in rats.
Endocrinology 93:152-5, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPOPHYSECTOMY/ *MELATONIN, pharmacodynamics/ PITUITARY GLAND, physiology/ PITUITARY GLAND, transplantation/ *PROLACTIN, blood/ RATS/ *SEROTONIN, pharmacodynamics/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *TRYPTOPHAN, pharmacodynamics

acchesi JC, Rawls JM Jr: Regulation of gene function: a comparison of enzyme activity levels in relation to gene dosage in diploids and triploids of Drosophila melanogaster.
Biochem Genet 9:41-51, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DNA, analysis/ DROSOPHILA MELANOGASTER, analysis/ *DROSOPHILA MELANOGASTER, enzymology/ FEMALE/ *GENES, STRUCTURAL/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ ISOCITRATE DEHYDROGENASE, analysis/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ *POLYPLOIDY/ *SEX CHROMOSOMES/ THORAX, analysis/ THORAX, enzymology

ücking T, Delling G: Schwere rachitische Osteopathie bei antiepileptischer Langzeitbehandlung.
Dtsch Med Wochenschr 98:1036-40, 18 May 73 (Ger)
ADMINISTRATION, ORAL/ ALKALINE PHOSPHATASE, blood/ *ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ BIOPSY/ CALCIUM, blood/ CARBAMAZEPINE, adverse effects/ CHILD/ CHOLECALCIFEROL, administration & dosage/ DIPHENYLHYDANTOIN, adverse effects/ ENGLISH ABSTRACT/ *EPILEPSY, GRAND MAL, drug therapy/ HUMAN/ ILIUM, pathology/ IRON, administration & dosage/ LONG TERM CARE/ MALE/ OSTEOMALACIA, chemically induced/ PHENOBARBITAL, adverse effects/ PHOSPHORUS, blood/ PRIMIDONE, adverse effects/ *RICKETS, chemically induced/ RICKETS, drug therapy/ RICKETS, pathology

uetscher JA, Boyers DG, Cuthbertson JG, et al: A model of the human circulation. Regulation by autonomic nervous system and renin-angiotensin system, and influence of blood volume on cardiac output and blood pressure.
Circ Res 32:Suppl 1:84-98, 5 May 73 (59 ref.)
*ANGIOTENSIN, blood/ *AUTONOMIC NERVOUS SYSTEM, physiology/ *BLOOD CIRCULATION/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ CORONARY CIRCULATION/ EXTRACELLULAR SPACE/ GLOMERULAR FILTRATION RATE/ HEART RATE/ *HEMODYNAMICS/ HUMAN/ HYPERTENSION, physiopathology/ KIDNEY, blood supply/ METABOLIC CLEARANCE RATE/ MODELS, BIOLOGICAL/ PRESSORECEPTORS, physiology/ PULMONARY CIRCULATION/ *RENIN, blood/ REVIEW/ SODIUM, blood/ SODIUM, urine/ VASCULAR RESISTANCE

2311. **Lüllmann H, Lüllmann-Rauch R, Reil GH: A comparative ultrastructural study of the effects of chlorphentermine and triparanol in rat lung and adrenal gland.**
Virchows Arch [Zellpathol] 12:91-103, 31 Jan 73
ADRENAL GLAND DISEASES, chemically induced/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, pathology/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ CELLULAR INCLUSIONS/ CHLORPHENTERMINE, adverse effects/ CHLORPHENTERMINE, pharmacodynamics/ CYTOPLASM/ LIPOIDOSIS, chemically induced/ *LUNG, drug effects/ LUNG, pathology/ LUNG DISEASES, chemically induced/ MACROPHAGES/ MALE/ MICROSCOPY, ELECTRON/ *PHENETHYLAMINES, pharmacodynamics/ RATS/ TRIPARANOL, adverse effects/ *TRIPARANOL, pharmacodynamics

2312. **Lunaas T: Urinary oestrogens in cows treated with oxytocin during met-oestrus.**
Res Vet Sci 14:124-6, Jan 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRADIOL, urine/ *ESTRONE, urine/ ESTRUS, drug effects/ FEMALE/ OVULATION/ *OXYTOCIN, pharmacodynamics/ TIME FACTORS

2313. **Lundgren D, Magnusson B, Lindhe J: Connective tissue alterations in gingivae of rats treated with estrogen and progesterone. A histologic and autoradiographic study.**
Odontol Revy 24:49-58, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ COLLAGEN/ *CONNECTIVE TISSUE, drug effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GINGIVA, drug effects/ HISTOCYTOCHEMISTRY/ INFLAMMATION/ LEUKOCYTE COUNT/ MAST CELLS/ MUCOPOLYSACCHARIDES, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS/ SULFUR ISOTOPES, metabolism

2314. **Lundskog J: Heat and bone tissue. An experimental investigation of the thermal properties of bone and threshold levels for thermal injury.**
Scand J Plast Reconstr Surg 9:1-80, 1972
ANIMAL EXPERIMENTS/ BONE AND BONES, blood supply/ *BONE AND BONES, injuries/ BONE AND BONES, physiology/ BONE MARROW CELLS/ CATTLE/ DOGS/ ELEPHANTS/ *HEAT/ HUMAN/ MICROSCOPY, FLUORESCENCE/ OSTEOCYTES/ RABBITS/ THERMAL CONDUCTIVITY/ THERMOGRAPHY/ TIBIA, physiology/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE/ *WOUND HEALING

2315. **Lundsteen C, Philip J: Y-22 translocation in a YY male.**
Cytogenet Cell Genet 12:53-9, 1973
*CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 21-22/ HUMAN/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ MICROSCOPY, FLUORESCENCE/ *SEX CHROMOSOMES

2316. **Lundy LE, Wu CH, Lee SG: Estrogen assessments in the high-risk pregnancy.**
Clin Obstet Gynecol 16:279-97, Mar 73 (17 ref.)
AMNIOTIC FLUID, analysis/ CREATININE, urine/ ESTRADIOL, analysis/ ESTRADIOL, blood/ ESTRADIOL, urine/ ESTRIOL, analysis/ ESTRIOL, blood/ ESTRIOL, urine/ *ESTROGENS, biosynthesis/ ESTRONE, analysis/ ESTRONE, blood/ ESTRONE, urine/ FEMALE/ FETUS, metabolism/ GROWTH DISORDERS, diagnosis/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ KIDNEY, metabolism/ PLACENTA, metabolism/ PLACENTA DISORDERS, metabolism/

UNIV. OF ILL. URBANA-CHAMPAIGN

PREGNANCY/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY IN DIABETES, diagnosis/ PREGNANCY TOXEMIAS, diagnosis/ REVIEW/ TIME FACTORS

2317. **Lunn PG, Whitehead RG, Hay RW, et al:** Progressive changes in serum cortisol, insulin and growth hormone concentrations and their relationship to the distorted amino acid pattern during the development of kwashiorkor. Br J Nutr 29:399-422, May 73
ALANINE, blood/ *AMINO ACIDS, blood/ BLOOD SUGAR/ BODY WEIGHT/ CHILD, PRESCHOOL/ FASTING/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPROTEINEMIA, complications/ INFANT/ INFANT NUTRITION DISORDERS, blood/ *INSULIN, blood/ KWASHIORKOR, blood/ *KWASHIORKOR, etiology/ RESPIRATORY TRACT INFECTIONS, complications/ SERUM ALBUMIN, biosynthesis/ *SOMATOTROPIN, blood/ TIME FACTORS/ VALINE, blood

2318. **Lupo Di Prisco C, Cardellini LB, Magni AP, et al:** The metabolic fate of pregnenolone-7 - 3 H and pregesterone-4- 14 C in the ovaries and fat bodies of female Triturus cristatus carnifex.
Comp Biochem Physiol [B] 44:567-75, 15 Feb 73
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, biosynthesis/ FEMALE/ HYDROXYPREGNENOLONE, biosynthesis/ *OVARY, metabolism/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ SEASONS/ TIME FACTORS/ TRITIUM/ TRITURUS

2319. **Lüscher EF, Bettex-Galland M:** Thrombos'henin, the contractile protein of blood platelets. New facts and problems.
Pathol Biol (Paris) Suppl:89-101, Dec 72 (85 ref.)
ACTOMYOSIN/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD COAGULATION/ *BLOOD PLATELETS/ *BLOOD PROTEINS/ BLOOD PROTEINS, biosynthesis/ CALCIUM, pharmacodynamics/ CATTLE/ *CELL AGGREGATION/ CELL MEMBRANE/ CELL MEMBRANE PERMEABILITY/ CLOT RETRACTION/ HEMOSTASIS/ HUMAN/ MICROTUBULES/ PROTEIN BINDING/ REVIEW/ THROMBOSIS

2320. **Lushcha AL, Volozhin SI:** Popytka sistematizatsii anomalii iaichka.
Probl Endokrinol (Mosk) 19:40-3, Mar-Apr 73 (Rus)
CRYPTORCHISM, classification/ ENGLISH ABSTRACT/ EPIDIDYMIS, abnormalities/ HUMAN/ KLINEFELTER'S SYNDROME, classification/ LEYDIG CELLS, cytology/ MALE/ SEMINAL VESICLES, abnormalities/ SERTOLI CELLS, cytology/ TESTICULAR FEMINIZATION, classification/ *TESTIS, abnormalities

2321. **Lussier G:** La maladie des inclusions cytomégaliques chez la souris. Lésions produites dans la forme généralisée.
Union Med Can 102:134-9, Jan 73 (Fre)
ADIPOSE TISSUE, pathology/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ARTERIES, pathology/ *CYTOMEGALIC INCLUSION DISEASE, pathology/ CYTOMEGALOVIRUSES, isolation & purification/ ENGLISH ABSTRACT/ FEMALE/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ MICE/ MUSCLES, pathology/ MYOCARDIUM, pathology/ PANCREAS, pathology/ PERITONEAL CAVITY, pathology/ SALIVARY GLANDS, pathology/ SPLEEN, pathology

2322. **Luton JP, Slama G, Turpin G, et al:** Tentative de stimulation prolongée des insuffisances surrénales par la béta-1-24 corticotrophine retard.
Rev Fr Endocrinol Clin 13:425-34, Sep-Oct 72 (Fre)
*ADDISON'S DISEASE, drug therapy/ ADDISON'S DISEASE, etiology/ ADRENAL CORTEX HORMONES, urine/ ADRENA GLAND DISEASES, complications/ *AI GLAND DISEASES, drug therapy/ AD GLAND HYPOFUNCTION, etiology/ A GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ ADULT/ ANTITUBERCULAR AGENTS, therape ATROPHY, drug therapy/ *CORTICOT therapeutic use/ CORTISONE, blood/ CUSHING'S SYNDROME, surgery/ DELAYED-ACTION PREPARATIONS, therapeutic use/ ENGLISH ABSTRACT FEMALE/ HUMAN/ HYDROCORTISON blood/ HYDROCORTISONE, therapeuti MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ TUBERCULOSIS, ENDOCRINE, complications/ TUBERCU ENDOCRINE, drug therapy

2323. **Luttge WG, Hall NR:** Androgen-induced behavior in castrate male Swiss-Webst comparison of four naturally occurring a
Behav Biol 8:725-32, Jun 73
*AGGRESSION, drug effects/ ANDRO administration & dosage/ *ANDROGEN pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANDROSTENEDIO pharmacodynamics/ ANIMAL EXPERIM *BEHAVIOR, ANIMAL, drug effects/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GENETICS, BEHAVIORAL/ HOUSING, ANIMAL/ INJECTIONS, SUBCUTANEOUS/ 17-KETOSTEROIDS, pharmacodynamics MICE/ ORGAN WEIGHT/ PENIS, ana histology/ PENIS, drug effects/ SEMI VESICLES, anatomy & histology/ SEM VESICLES, drug effects/ SOCIAL ISOLATION/ TESTOSTERONE, pharmacodynamics

2324. **Lutz-Ostertag Y, David D:** Action du DDT sur urogénital de l'embryon de poulet et
C R Acad Sci [D] (Paris) 276:1213-6, 12 Fe
ANIMAL EXPERIMENTS/ CHICK EM *DDT, pharmacodynamics/ DOSE-RESP RELATIONSHIP, DRUG/ FEMALE/ HERMAPHRODITISM, etiology/ MALE *MULLERIAN DUCTS, drug effects/ drug effects/ OVARY, embryology/ Q SEX DIFFERENTIATION DISORDERS etiology/ *TESTIS, drug effects/ TES embryology

2325. **Lymangrover JR, Brodish A:** Time-course o to hypothalamic extract and multiple use o rats for CRF assay.
Neuroendocrinology 12:98-109, 1973
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, CORTICOTROPIN RELEASING FACT administration & dosage/ CORTICOTR RELEASING FACTOR, pharmacodynan *CORTICOTROPIN RELEASING FACT physiology/ DOSE-RESPONSE RELATI DRUG/ *HYPOTHALAMUS/ HYPOTHA physiology/ MALE/ METHODS/ PITU GLAND, drug effects/ RATS/ TIME FACTORS/ *TISSUE EXTRACTS, pharmacodynamics

2326. **Lynch GR:** Effect of simultaneous exp differences in photoperiod and temperatu seasonal molt and reproductive system white-footed mouse, Peromyscus leuco
Comp Biochem Physiol [A] 44:1373-6,
ANIMAL EXPERIMENTS/ *CIRCADIA RHYTHM/ FEMALE/ *GONADS, meta *HAIR/ MALE/ *MICE, physiology/ SEASONS/ TEMPERATURE/ TIME F

2327. **Lynch TJ, Henney HR Jr:** Carbohydrate m during differentiation (sclerotization) myxomycete Physarum flavicomum.
Arch Mikrobiol 90:189-98, 1973
ADENOSINE CYCLIC 3',5' MONOPHO pharmacodynamics/ CARBON DIOXID metabolism/ CARBON ISOTOPES/ CE DIFFERENTIATION/ *GLUCONATES, metabolism/ *GLUCOSE, metabolism/

GLYCOLYSIS/ KREBS CYCLE/ MYXOMYCETES, growth & development/ *MYXOMYCETES, metabolism/ OXYGEN CONSUMPTION/ PENTOSEPHOSPHATES, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS

Lyszczarz J, Turlejska-Stelmasiak E: Thermoregulatory reactions to hypothalamic heating under conditions of normothermia and hyperthermia in the rabbit. Acta Physiol Pol 24:423-31, 1973
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ *FEVER, physiopathology/ *HYPOTHALAMUS, physiology/ MALE/ NASOPHARYNX, physiology/ OXYGEN CONSUMPTION/ RABBITS/ RESPIRATION/ SPIROMETRY/ TEMPERATURE/ TIME FACTORS

M

McCarry BE, Markezich RL, Johnson WS: Direct formation of the steroid nucleus by a nonenzymic biogenetic-like cyclization. Cyclization and proof of structure and configuration of products. J Am Chem Soc 95:4416-7, 27 Jun 73
CYCLIZATION/ MASS SPECTRUM ANALYSIS/ MODELS, STRUCTURAL/ OPTICAL ROTATION/ *PROGESTERONE, chem synthesis/ STEREOISOMERS/ STEROIDS, chem synthesis/ STRUCTURE-ACTIVITY RELATIONSHIP

MacCarty DJ Jr, Silcox DC: Gout and pseudogout. Geriatrics 28:110-20, Jun 73
ADULT/ AGED/ ARTHRITIS, complications/ CALCIUM, metabolism/ *CHONDROCALCINOSIS/ CHONDROCALCINOSIS, complications/ CHONDROCALCINOSIS, drug therapy/ CHONDROCALCINOSIS, familial & genetic/ CHONDROCALCINOSIS, radiography/ CRYSTALLIZATION/ DIABETES MELLITUS, complications/ DIET THERAPY/ FEMALE/ *GOUT/ HUMAN/ HYPERPARATHYROIDISM, complications/ KNEE JOINT, metabolism/ LEUKOCYTES, analysis/ MALE/ MIDDLE AGE/ PHYSICAL THERAPY/ PYROPHOSPHATES, analysis/ PYROPHOSPHATES, metabolism/ SYNOVIAL FLUID, analysis/ SYNOVITIS, chemically induced/ URIC ACID, metabolism

McClure J, Bridges JB: Mastocalcergy in the mouse. Calcif Tissue Res 12:117-24, 9 May 73
ACETATES, administration & dosage/ ANIMAL EXPERIMENTS/ *CALCINOSIS, chemically induced/ CALCIUM PHOSPHATES/ CAPILLARIES/ CAPILLARY PERMEABILITY/ CHONDROITIN/ CREATININE/ CYTOPLASMIC GRANULES/ HEPARIN/ HISTAMINE, adverse effects/ HISTOCYTOCHEMISTRY/ HYALURONIC ACID/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *LEAD, administration & dosage/ MALE/ MAST CELLS/ *MAST CELLS, drug effects/ MICE/ PERMEABILITY/ PHOSPHATES/ *POLYMYXIN, adverse effects/ SEROTONIN, adverse effects/ SULFATES/ VASODILATOR AGENTS

McComas AJ, Sica RE, Petito F: Muscle strength in boys of different ages. J Neurol Neurosurg Psychiatry 36:171-3, Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ MALE/ *MUSCLE CONTRACTION/ *MUSCLES, growth & development/ *MUSCLES, physiology/ PUBERTY/ SEX FACTORS

McComas AJ, Sica RE, McNabb AR, et al: Neuropathy in thyrotoxicosis. N Engl J Med 289:219-20, 26 Jul 73
FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ MOTOR NEURONS/ *NEUROMUSCULAR DISEASES, etiology

McCoy JL, Herberman RB, Rosenberg EB, et al: 51 Chromium-release assay for cell-mediated cytotoxicity of human leukemia and lymphoid tissue-culture cells. Natl Cancer Inst Monogr 37:59-67, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANTIGENIC DETERMINANTS/ ANTIGENS, NEOPLASM, analysis/ CATTLE, immunology/ CELLS, CULTURED/ CHROMIUM ISOTOPES/ CONCANAVALIN A, pharmacodynamics/ CULTURE MEDIA/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DACTINOMYCIN, pharmacodynamics/ FETUS/ HUMAN/ *IMMUNITY, CELLULAR/ *LEUKEMIA, immunology/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/ LYMPHOCYTES, radiation effects/ *LYMPHOID TISSUE, immunology/ MODELS, BIOLOGICAL/ PLANT AGGLUTININS, pharmacodynamics/ RADIATION EFFECTS

2335. **McCredie D, Rotenberg E:** Strontium kinetic studies in children with bone disorders. Aust Paediatr J 8:327-33, Dec 72
ADOLESCENCE/ *BONE DISEASES, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ KINETICS/ MALE/ OSTEOGENESIS IMPERFECTA, metabolism/ OSTEOPETROSIS, metabolism/ OSTEOPOROSIS, metabolism/ RICKETS, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *STRONTIUM, metabolism

2336. **McDevitt DG, Shanks RG:** Catecholamine sensitivity in thyrotoxicosis. Lancet 1:1385, 16 Jun 73
BLOOD PRESSURE, drug effects/ *CATECHOLAMINES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ TYRAMINE, pharmacodynamics

2337. **McDonald JM, Fischer GA:** pH dependence of the renin reaction: a modification of commercial renin activity radioimmunoassay kits. Am J Clin Pathol 59:858-68, Jun 73
ANGIOTENSIN, metabolism/ BLOOD SPECIMEN COLLECTION/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHODS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, instrumentation/ *RENIN, analysis/ RENIN, metabolism

2338. **McDonald JW, Stuart RK:** Regulation of cyclic AMP levels and aggregation in human platelets by prostaglandin E . J Lab Clin Med 81:838-49, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE DIPHOSPHATE, antagonists & inhibitors/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, drug effects/ COLLAGEN, antagonists & inhibitors/ COLLAGEN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ PROTEIN BINDING/ TIME FACTORS

2339. **MdDonald TO, Kasten K, Hervey R, et al:** Comparative toxicity of dexamethasone and its tertiary butyl acetate ester after topical ocular instillation in rabbits. Am J Ophthalmol 76:117-25, Jul 73
ANIMAL EXPERIMENTS/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CAPROATES, administration & dosage/ CAPROATES, toxicity/ CHEMISTRY/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, toxicity/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTE COUNT/ EYE, drug effects/ HEMATOCRIT/ HEMOGLOBIN/ KIDNEY, pathology/ LEUKOCYTE COUNT/ LIPIDS, blood/ LIVER, pathology/ LUNG,

LIBRARY U. OF I., URBANA-CHAMPAIGN

pathology/ ORGAN WEIGHT/ POTASSIUM, blood/ RABBITS/ SPLEEN, pathology

2340. **McDonough MW, Ganley JV:** Dislocation of the cuboid.
J Am Podiatry Assoc 63:317-8, Jul 73
*BONE AND BONES, injuries/ CASE REPORT/ CASTS, SURGICAL/ *DISLOCATIONS/ DISLOCATIONS, radiography/ DISLOCATIONS, therapy/ FEMALE/ *FOOT, injuries/ HUMAN/ MIDDLE AGE

2341. **McDowell GH:** Local antigenic stimulation of guinea-pig mammary gland.
Aust J Exp Biol Med Sci 51:237-45, Apr 73
AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ *ANTIGENS, BACTERIAL, administration & dosage/ BRUCELLA ABORTUS, immunology/ COOMBS' TEST/ FEMALE/ GEL DIFFUSION TESTS/ GUINEA PIGS/ IGA, analysis/ IGG, analysis/ IMMUNIZATION/ IMMUNOELECTROPHORESIS/ INJECTIONS/ INJECTIONS, SUBCUTANEOUS/ LACTATION/ *MAMMAE, immunology/ MILK, immunology/ PREGNANCY/ RABBITS, immunology/ SPECTRUM ANALYSIS

2342. **Mace JW, Hambidge KM, Gotlin RW, et al:** Magnesium supplementation in Bartter's syndrome.
Arch Dis Child 48:485-7, Jun 73
ALKALOSIS, drug therapy/ HUMAN/ *HYPERALDOSTERONISM, drug therapy/ HYPERPLASIA, drug therapy/ HYPERTROPHY, drug therapy/ HYPOKALEMIA, drug therapy/ INFANT/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY DISEASES, drug therapy/ *MAGNESIUM, therapeutic use/ MALE/ SYNDROME

2343. **MacFadyen DJ, Reeve CE, Bratty PJ, et al:** Failure of antilymphocytic globulin therapy in chronic progressive multiple sclerosis.
Neurology (Minneap) 23:592-8, Jun 73
ADULT/ ANTI-ANTIBODIES, analysis/ *ANTILYMPHOCYTE SERUM, therapeutic use/ BLOOD PLATELETS/ DIPHENHYDRAMINE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HORSES, immunology/ HUMAN/ HYDROCORTISONE, therapeutic use/ LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ MULTIPLE SCLEROSIS, blood/ MULTIPLE SCLEROSIS, diagnosis/ *MULTIPLE SCLEROSIS, drug therapy/ MULTIPLE SCLEROSIS, immunology/ NEUROLOGIC EXAMINATION/ PLANT AGGLUTININS/ TUBERCULIN TEST

2344. **McGinnis CH Jr, Wallace LD:** The effect of clomiphene citrate in chickens. 2. Gonadotropic activity.
Poult Sci 52:712-8, Mar 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *CHICKENS, physiology/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ COMB AND WATTLES, anatomy & histology/ COMB AND WATTLES, drug effects/ FEMALE/ *GONADS, drug effects/ INJECTIONS, INTRAMUSCULAR/ ISOMERISM/ MALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ OVARY, physiology/ OVIDUCTS, drug effects/ TESTIS, anatomy & histology/ TESTIS, drug effects/ THYROID GLAND, anatomy & histology/ THYROID GLAND, drug effects

2345. **McGowan L, Davis RH, Bunnag B:** The biochemical diagnosis of ovarian cancer.
Am J Obstet Gynecol 116:760-8, 15 Jul 73
ADENOCARCINOMA, blood/ ADENOCARCINOMA, diagnosis/ *ASCITIC FLUID, analysis/ ASCITIC FLUID, enzymology/ ASPARTATE AMINOTRANSFERASE, analysis/ BILIRUBIN, analysis/ CALCIUM, analysis/ CHOLESTEROL, analysis/ CYSTADENOMA, blood/ CYSTADENOMA, diagnosis/ CYSTADENOMA, MUCINOUS, blood/ CYSTADENOMA, MUCINOUS, diagnosis/ FEMALE/ FIB blood/ FIBROMA, diagnosis/ HUMAN/ LACTATE DEHYDROGENASE, analysis OVARIAN NEOPLASMS, blood/ *OVA NEOPLASMS, diagnosis/ PHOSPHORU analysis/ PROGNOSIS/ PROTEINS, an TERATOID TUMOR, blood/ TERATOI TUMOR, diagnosis/ UREA, analysis/ ACID, analysis

2346. **McGrath P:** The trans-sphenoidal vascular relation to the human pharyngeal hy
J Anat 113:383-90, Dec 72
AGED/ AIR/ CARBON/ HUMAN/ IN INK/ MALE/ MODELS, STRUCTURA PHARYNX/ *PITUITARY GLAND, bl supply/ SPHENOID BONE, anatomy histology/ *SPHENOID BONE, blood

2347. **MacGregor GA:** Localisation of parathyroi
Lancet 1:1257, 2 Jun 73
HUMAN/ PARATHYROID NEOPLASM complications/ *PARATHYROID NEO diagnosis

2348. **MacGregor GA:** Remission of hyperthy
Br Med J 3:107-8, 14 Jul 73
EXOPHTHALMOS, prevention & cont HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, immunology/ IMMUNOSUPPRESSION/ LYMPHOCY TRANSFORMATION/ REMISSION/ SARCOIDOSIS, complications

2349. **McHardy-Young S, Lessof MH, Maisey MN:** and thyroid antibody studies in Addiso
Clin Endocrinol (Oxf) 1:45-56, Jan 7
ADDISON'S DISEASE, immunology/ *ADDISON'S DISEASE, physiopatholo ADRENAL GLANDS, immunology/ *ANTIBODIES, analysis/ FEMALE/ IODINE ISOTOPES/ MALE/ MICROS immunology/ *THYROID GLAND, im THYROID GLAND, physiopathology/ GLAND FUNCTION TESTS/ *THYR blood/ TUBERCULOSIS, ENDOCRIN physiopathology

2350. **Machekhin VA:** Ul'trazvukovaia diagno zabolevaniiakh orbity.
Vestn Oftalmol 2:52-6, Mar-Apr 72
ADOLESCENCE/ ADULT/ AGED/ C CHILD, PRESCHOOL/ ENGLISH AB *EXOPHTHALMOS, diagnosis/ HUMA MALE/ MIDDLE AGE/ *ORBIT/ *O NEOPLASMS, diagnosis/ *ULTRASO diagnostic use

2351. **Macheret H:** Estimation de la perméabili par l'albumine 131 I dans les conditions no cas d'oedèmes.
Schweiz Med Wochenschr 103:934-41, 30
ADRENAL GLAND HYPERFUNCTIO physiopathology/ ADULT/ AGED/ B PROTEINS/ BODY SURFACE AREA WEIGHT/ *CAPILLARY PERMEABI *EDEMA, physiopathology/ ENGLIS ABSTRACT/ FEMALE/ HEART FA CONGESTIVE, physiopathology/ HU HYPERALDOSTERONISM, physiopat IODINE ISOTOPES/ LIVER CIRRH physiopathology/ MALE/ MIDDLE A PLASMA VOLUME/ *SERUM ALBU RADIO-IODINATED/ SODIUM CHLO blood

2352. **McKay DG:** Vessel wall and thrombogenesis--endotoxin.
Thromb Diath Haemorrh 29:11-26, 2
ACUTE DISEASE/ ANTIGEN-ANTIB COMPLEX/ BLOOD PLATELETS, drug effects/ CAPILLARIES/ CATECHOLAMINES, pharmacodynam COMPLEMENT/ *ENDOTOXINS, pharmacodynamics/ GLUCOCORTICO pharmacodynamics/ HUMAN/ INFLAMMATION/ KIDNEY, blood KIDNEY CORTEX NECROSIS, etiol

LEUKOCYTES, drug effects/ MICROCIRCULATION, drug effects/ *SHWARTZMAN PHENOMENON/ THROMBOSIS

McKenzie SG, Bär HP: On the mechanism of adenyl cyclase inhibition by adenosine.
Can J Physiol Pharmacol 51:190-6, Mar 73
ADENOSINE, administration & dosage/ *ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARBON ISOTOPES/ CARCINOMA, EHRLICH TUMOR, enzymology/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ KIDNEY CORTEX, enzymology/ KINETICS/ LIVER, enzymology/ NUCLEOSIDES/ NUCLEOTIDES/ RATS

Mac Kenzie WF, Garner FM: Comparison of neoplasms in six sources of rats.
J Natl Cancer Inst 50:1243-57, May 73
ANIMAL EXPERIMENTS/ *ANIMALS, LABORATORY/ BLADDER NEOPLASMS, veterinary/ BRAIN NEOPLASMS, veterinary/ ENVIRONMENTAL EXPOSURE/ FEMALE/ FIBROMA, veterinary/ FIBROSARCOMA, veterinary/ INTESTINAL NEOPLASMS, veterinary/ LIPOSARCOMA, veterinary/ LIVER NEOPLASMS, veterinary/ LUNG NEOPLASMS, veterinary/ MALE/ MAMMAE/ MESOTHELIOMA, veterinary/ *NEOPLASMS, veterinary/ OSTEOMA, veterinary/ PANCREATIC NEOPLASMS, veterinary/ RATS/ *RODENT DISEASES, occurrence/ SKIN NEOPLASMS, veterinary/ STATISTICS/ STOMACH NEOPLASMS, veterinary/ TESTICULAR NEOPLASMS, veterinary

McKercher TC, Van Orden LS 3d, Bhatnagar RK, et al: Estrogen-induced biogenic amine reduction in rat uterus. J Pharmacol Exp Ther 185:514-22, Jun 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ CASTRATION/ *ESTROGENS, pharmacodynamics/ FEMALE/ FLUORESCENCE/ HISTAMINE, metabolism/ HISTOCYTOCHEMISTRY/ IN VITRO/ MAST CELLS, metabolism/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ ORGAN WEIGHT/ OVARY, physiology/ RATS/ SEROTONIN, metabolism/ STAINS AND STAINING/ TIME FACTORS/ UTERUS, anatomy & histology/ UTERUS, drug effects/ *UTERUS, metabolism

Mackie B, Shafi MS, Grundy DJ, et al: Topical ampicillin and noxythiolin antisepsis in appendicectomy wounds. Br J Clin Pract 27:57-61, Feb 73
*AMPICILLIN, therapeutic use/ *ANTIBIOTICS, ANTIFUNGAL, therapeutic use/ *APPENDECTOMY/ APPENDICITIS, surgery/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ GANGRENE, surgery/ HUMAN/ *SURGICAL WOUND INFECTION, prevention & control/ *THIOUREA, therapeutic use

Mackie C, Schuister D: Phosphodiesterase activity and the potentiation by theophylline of adrenocorticotrophin stimulated steroidogenesis and adenosine 3',5'-monophosphate levels in isolated rat adrenal cells.
Biochem Biophys Res Commun 53:545-51, 17 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CLOSTRIDIOPEPTIDASE A/ *CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ IN VITRO/ *PHOSPHODIESTERASES, metabolism/ RATS/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ TRYPSIN

MacKie RM, Saikia NK, Morley WM: A case of pemphigus vulgaris in association with Addisonian pernicious anaemia. Br J Dermatol 88:139-41, Feb 73
*ANEMIA, PERNICIOUS, complications/ ANEMIA, PERNICIOUS, diagnosis/ ANEMIA, PERNICIOUS, drug therapy/ AUTOANTIBODIES, analysis/ DIPHENHYDRAMINE, therapeutic use/ FECES, analysis/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYDROXOCOBALAMIN, therapeutic use/ LIPIDS, analysis/ MALE/ MIDDLE AGE/ *PEMPHIGUS, complications/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ TRIAMCINOLONE ACETONIDE, therapeutic use/ VITAMIN B 12, blood

2359. **McKinney TD, Pasley JN:** Effects of social rank and social disruption in adult male house mice.
Gen Comp Endocrinol 20:579-83, Jun 73
*ADRENAL GLANDS, physiology/ ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ KIDNEY, anatomy & histology/ MALE/ MICE/ ORGAN WEIGHT/ *SOCIAL ADJUSTMENT/ *SOCIAL DOMINANCE

2360. **McKusick VA:** Phenotypic diversity of human diseases resulting from allelic series.
Am J Hum Genet 25:446-56, Jul 73
*ALLELES/ ALLELISM TEST/ GENETIC COMPLEMENTATION TEST/ *HEREDITARY DISEASES, familial & genetic/ HUMAN/ LINKAGE (GENETICS)/ METABOLISM, INBORN ERRORS, familial & genetic/ *PHENOTYPE/ SEX CHROMOSOMES

2361. **McLaughlin CL, Baile CA, Trueheart PA, et al:** Factors influencing the lesioning effect of gold thioglucose on the ventromedial hypothalamus of Bar Harbor obese mice. Physiol Behav 10:339-43, Feb 73
ALLOXAN DIABETES/ ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, administration & dosage/ AUROTHIOGLUCOSE, pharmacodynamics/ BLOOD SUGAR/ BODY WEIGHT/ CIRCADIAN RHYTHM/ EATING, drug effects/ EPINEPHRINE, pharmacodynamics/ EXERTION/ FEMUR/ GLUCOSE, metabolism/ *GOLD, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ INSULIN, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ MOTOR ACTIVITY/ *OBESITY/ OVARY/ SOMATOTROPIN, pharmacodynamics

2362. **McLeod DG, Reynolds DG, Demaree GE:** Some pharmacologic characteristics of the human vas deferens. Invest Urol 10:338-41, Mar 73
ACETYLCHOLINE, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADULT/ CHEMORECEPTORS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ MECAMYLAMINE, pharmacodynamics/ MIDDLE AGE/ NEOSTIGMINE, pharmacodynamics/ *NEUROHUMORS, pharmacodynamics/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *VAS DEFERENS, drug effects

2363. **McMeniman NP:** The toxic effect of some phosphate supplements fed to sheep. Aust Vet J 49:150-2, Mar 73
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BODY WEIGHT, drug effects/ BONE AND BONES/ DEPRESSION, CHEMICAL/ MALE/ *PHOSPHATES, toxicity/ *PHOSPHORIC ACIDS, toxicity/ *SHEEP/ SODIUM

2364. **Macmillan AL, Champion RH:** Generalized pustular psoriasis treated with dapsone.
Br J Dermatol 88:183-5, Feb 73
DAPSONE, administration & dosage/ *DAPSONE, therapeutic use/ ERYTHROCYTE COUNT/ HEMATOCRIT/ HUMAN/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ *PSORIASIS, drug therapy/ TRIAMCINOLONE,

LIBRARY U. OF I., URBANA-CHAMPAIGN

administration & dosage/ TRIAMCINOLONE, therapeutic use

2365. **Macmillan KL:** The effect of benzyl alcohol on the oestrous cycle of cattle. Aust Vet J 49:267-8, May 73
*ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BENZYL COMPOUNDS, pharmacodynamics/ CATTLE/ *ESTRUS, drug effects/ FEMALE

2366. **McNeill KG, Thomas BJ, Sturtridge WC, et al:** In vivo neutron activation analysis for calcium in man. J Nucl Med 14:502-6, Jul 73
*ACTIVATION ANALYSIS/ ADULT/ AGED/ *BONE AND BONES, analysis/ *CALCIUM, analysis/ CALCIUM, DIETARY, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ OSTEOMALACIA, metabolism/ OSTEOMALACIA, therapy/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, therapy/ RICKETS, VITAMIN D RESISTANT, complications

2367. **Macnicol MF, Goldberg AH, Clowes GH Jr:** Depression of isolated heart muscle by bacterial endotoxin. J Trauma 13:554-8, Jun 73
ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ENDOTOXINS, pharmacodynamics/ *HEART, drug effects/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MALE/ METHODS/ MUSCLE CONTRACTION, drug effects/ RATS/ TIME FACTORS

2368. **McNutt KW, Haussler MR:** Nutritional effectiveness of 1,25-dihydroxycholecalciferol in preventing rickets in chicks. J Nutr 103:681-9, May 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CHICKENS/ CHOLECALCIFEROL, administration & dosage/ CHOLECALCIFEROL, pharmacodynamics/ CHOLECALCIFEROL, therapeutic use/ COMPARATIVE STUDY/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYCHOLECALCIFEROL, administration & dosage/ HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ MALE/ MINERALS, metabolism/ RICKETS, pathology/ *RICKETS, prevention & control/ TIBIA, drug effects/ TIBIA, pathology

2369. **McRae CU, Ghanadian R, Fotherby K, et al:** The effect of testosterone on the human prostate in organ culture. Br J Urol 45:156-62, Apr 73
ACID PHOSPHATASE, analysis/ DNA, analysis/ GLUCOSE, metabolism/ HUMAN/ ORGAN CULTURE/ *PROSTATE, drug effects/ PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, pathology/ *TESTOSTERONE, pharmacodynamics

2370. **MacVicar J, Logan RW, Barnard WP:** Fetal maturity assessed from biochemical analysis of the liquor amini. Scott Med J 18:84-92, May 73
AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, cytology/ BLOOD UREA NITROGEN/ CREATININE, analysis/ CREATININE, blood/ ESTRIOL, analysis/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ PREGNANCY/ PROTEINS, analysis/ TIME FACTORS/ UREA, analysis/ URIC ACID, analysis

2371. **McWhinnie DJ, Thommes RC:** The influence of 'hypophysectomy' on bone growth and alkaline phosphatase activity in the chick embryo. J Embryol Exp Morphol 29:515-27, Jun 73
*ALKALINE PHOSPHATASE, metabolism ANIMAL EXPERIMENTS/ *BONE AND BONES, embryology/ BONE AND BONES enzymology/ *CHICK EMBRYO, growth development/ FEMUR, embryology/ HYPOPHYSECTOMY/ OSTEOGENESIS/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, physiology/ PITUI GLAND, transplantation/ TRANSPLANTA HOMOLOGOUS

2372. **Maddaiah VT, Sharma RK, Balachandar V, et al:** of growth hormone on mitochondrial pr synthesis. J Biol Chem 248:4263-8, 25 Ju
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHLORAMPHENICOL, pharmacodynamics/ CYANIDES, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ HYPOPHYSECTOMY LEUCINE, metabolism/ LIVER, cytology MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXYTETRACYCLINE, pharmacodynamics/ PITUITARY GLAND physiology/ PRECIPITATION/ *PROTEIN biosynthesis/ RATS/ RIBONUCLEASE, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics/ STRUCTURE-ACTIVI RELATIONSHIP/ SUCCINATES, metabol TEMPERATURE/ TIME FACTORS/ TRICHLOROACETIC ACID/ TRITIUM

2373. **Maddison J:** Hormone replacement therap menopausal symptoms. Lancet 1:1507, 30
AGED/ ESTROGENS, administration & *ESTROGENS, therapeutic use/ FEMAL HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE/ PROGESTERONE, therap use/ VAGINA, cytology/ VAGINAL SM

2374. **Madelmont JC, Meyniel G:** Identification thyroglobuline bovine d'un dipeptide iod tyrosyl-tyrosine tétra-iodé.
C R Acad Sci [D] (Paris) 276:1357-9, 19 Feb
CATTLE/ CHROMATOGRAPHY/ *DIPEP analysis/ HYDROLYSIS/ *IODOTYROSIN analysis/ SPECTROPHOTOMETRY, INFR *THYROGLOBULIN, analysis/ TRYPSIN

2375. **Maer M, Bret P:** Problèmes psychologiques et des changements de sexe. A propos d' observation. Pediatrie 27:913-22, Dec 72
CHILD/ CHILD, PRESCHOOL/ FEMALE *HERMAPHRODITISM/ HUMAN/ PSYCHOLOGY, SOCIAL/ PSYCHOSEXU DEVELOPMENT

2376. **Maestrone G, Sadek S, Mitrovic M:** Les dermatophytosis in quinea pigs treated triamcinolone acetonide: an animal mod
Am J Vet Res 34:833-6, Jun 73
ANIMAL EXPERIMENTS/ DERMATOMY pathology/ *DERMATOMYCOSIS, veteri *DISEASE MODELS, ANIMAL/ *GUINE PIGS/ HAIR, pathology/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICROSPOR *RODENT DISEASES, pathology/ SKIN, pathology/ TINEA, pathology/ TINEA, veterinary/ TRIAMCINOLONE ACETON administration & dosage/ *TRIAMCINO ACETONIDE, pharmacodynamics/ TRICHOPHYTON

2377. **Magee WE, Armour SB, Miller OV:** Absor prostaglandins by the intestine and vagina o
Biochim Biophys Acta 306:270-82, 24 M
ABSORPTION/ ANIMAL EXPERIMENT BIOLOGICAL TRANSPORT/ CATHETERIZATION/ CHROMATOGRAP THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTERS, meta FEMALE/ INTESTINAL ABSORPTION/ INTESTINE, LARGE, metabolism/ *INTESTINE, SMALL, metabolism/ INTESTINE, SMALL, physiology/ LIGA LIVER, metabolism/ ORGAN SPECIFIC PERFUSION/ PROSTAGLANDINS, administration & dosage/ PROSTAGLA blood/ *PROSTAGLANDINS, metabolism

RATS/ SALICYLATES, metabolism/ SODIUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ *VAGINA, metabolism

Magnin D: Cacifications surrénaliennes et infection à cytomégalovirus dans la première enfance. Helv Paediatr Acta 28:135-43, May 73 (Fre)
*ADRENAL GLAND DISEASES, etiology/ ADRENAL GLAND DISEASES, radiography/ BLOOD COAGULATION DISORDERS, complications/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ CHILD, PRESCHOOL/ *CYTOMEGALIC INCLUSION DISEASE, complications/ *CYTOMEGALOVIRUSES/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, therapy/ EXCHANGE TRANSFUSION/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE

Magnusson T: Effect of chronic transection on dopamine, noradrenaline and 5-hydroxytryptamine in the rat spinal cord. Naunyn Schmiedebergs Arch Pharmacol 278:13-22, 17 May 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ *DOPAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ *SPINAL CORD, metabolism/ SPINAL CORD, physiology/ TIME FACTORS/ TRYPTOPHAN, metabolism

Mahon FB Jr, Gosset F, Trinity RG, et al: Malignant interstitial cell testicular tumor. Cancer 31:1208-12, May 73
AGED/ AUTOPSY/ CASE REPORT/ CASTRATION/ HUMAN/ KIDNEY NEOPLASMS/ *LEYDIG CELL TUMOR/ LEYDIG CELL TUMOR, diagnosis/ LEYDIG CELL TUMOR, pathology/ LEYDIG CELL TUMOR, surgery/ LIVER NEOPLASMS/ MALE/ NEOPLASM METASTASIS/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TESTIS, pathology

Mahoudeau JA, Bricaire H: Dosage simultané de la testostérone et de la dihydrotestostérone plasmatiques par une méthode radioimmunologique. Rev Fr Endocrinol Clin 13:413-23, Sep-Oct 72 (Fre)
ADOLESCENCE/ ADULT/ ANTIBODIES/ ANTIGENS/ CHROMATOGRAPHY/ *ENDOCRINE DISEASES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *STANOLONE, blood/ STANOLONE, metabolism/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism

Mahoudeau JA, Bricaire H: Données récentes sur les androgènes plasmatiques. Rev Prat 23:881-91, 21 Feb 73 (Fre)
ANDROGENS, blood/ ANDROGENS, metabolism/ ANDROSTENES, blood/ HIRSUTISM, blood/ HYPOGONADISM, blood/ PROSTATE, metabolism/ RECEPTORS, HORMONE/ SEX FACTORS/ SPECIAL LIST FOREIGN/ TESTOSTERONE, blood/ VIRILISM, blood

Mahrle G: Uber die Ursache und Therapie der Pityriasis lichenoides. Hautarzt 24:131, Mar 73 (Ger)
ADRENAL CORTEX HORMONES/ ASCORBIC ACID, therapeutic use/ HUMAN/ PENICILLIN, therapeutic use/ *PITYRIASIS, drug therapy/ PITYRIASIS, etiology/ PITYRIASIS, therapy/ ULTRAVIOLET THERAPY

Mainwaring WI, Milroy EJ: Characterization of the specific androgen receptors in the human prostate gland. J Endocrinol 57:371-84, Jun 73
ALDOSTERONE, metabolism/ CARBON ISOTOPES/ CELL NUCLEUS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYTOPLASM/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, metabolism/ MALE/ *PROSTATE, metabolism/ PROSTATECTOMY/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ *STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

2385. **Maisey MN:** The Ig class and light chain type of the long acting thyroid stimulator. Clin Endocrinol (Oxf) 1:189-98, Apr 72
CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IGA, analysis/ *IGG, analysis/ IGM, analysis/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, analysis/ LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ RABBITS, immunology

2386. **Maisey MN, Stimmler L:** The role of long acting thyroid stimulator in neonatal thyrotoxicosis. Clin Endocrinol (Oxf) 1:81-90, Jan 72
ADULT/ BLOOD/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *INFANT, NEWBORN, DISEASES, blood/ *LONG-ACTING THYROID STIMULATOR, blood/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ UMBILICAL CORD

2387. **Makarchenko AF, Roitrub BA, Zlatin RS, et al:** Atsetilkholinesteraznaia aktivnost' gipotalamicheskikh i korkovykh struktur pri farmakologicheskikh vozdeistviiakh. Neirofiziologiia 5:47-53, Jan-Feb 73 (Rus)
*ACETYLCHOLINESTERASE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *CHLORAL HYDRATE, pharmacodynamics/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ *HIPPOCAMPUS, enzymology/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, enzymology/ MALE/ MATHEMATICS/ *MOTOR CORTEX, enzymology/ RATS/ *SOMATOSENSORY CORTEX, enzymology

2388. **Makiura S, Kamamoto Y, Sugihara S, et al:** Effect of 1-naphthyl isothiocyanate and 3-methylcholanthrene on hepatocarcinogenesis in rats treated with diethylnitrosoamine. Gann 64:101-4, Feb 73
ANIMAL EXPERIMENTS/ BILE DUCTS, INTRAHEPATIC, pathology/ BODY WEIGHT, drug effects/ FIBROSARCOMA, chemically induced/ HEMANGIOENDOTHELIOMA, chemically induced/ *HEPATOMA, chemically induced/ HYPERPLASIA, chemically induced/ LIVER, drug effects/ *LIVER NEOPLASMS, chemically induced/ MALE/ *METHYLCHOLANTHRENE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NITROSAMINES/ ORGAN WEIGHT/ RATS/ *THIOCYANATES

2389. **Makulu DR, Smith EF, Bertino JR:** Effects of steroids, folate deprivation and protein deprivation upon tetrahydrofolate dehydrogenase levels in mammalian tissues. Biochim Biophys Acta 304:526-32, 28 Apr 73
*ESTRADIOL, pharmacodynamics/ FEMALE/ FOLIC ACID DEFICIENCY/ *HYDROCORTISONE, pharmacodynamics/ INTESTINAL MUCOSA, enzymology/ JEJUNUM/ LIVER, enzymology/ MALE/ MICE/ *PREDNISOLONE, pharmacodynamics/ PROTEIN DEFICIENCY/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPLEEN, enzymology/ *TESTOSTERONE, pharmacodynamics/ *TETRAHYDROFOLATE DEHYDROGENASE, analysis/ TETRAHYDROFOLATE DEHYDROGENASE, metabolism

2390. **Malarewicz A:** Zachowanie się kory nadnerczy trzebionej samicy szczura białego w przebiegu starzenia się. Badania morfometryczne. Ginekol Pol 44:515-21, 1973 (Pol)
*ADRENAL GLANDS, pathology/ ADRENAL GLANDS, physiology/ *AGING/ ANIMAL

LIBRARY U. OF I., URBANA-CHAMPAIGN

EXPERIMENTS/ *CASTRATION, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ *OVARY, physiology/ RATS/ TIME FACTORS

2391. **Malathy K, Kurup PA:** Inhibition of hexosephosphate aminotransferase activity in vitro by tolbutamide.
Indian J Biochem Biophys 9:310-2, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *AMINOTRANSFERASES, antagonists & inhibitors/ BINDING SITES/ DIALYSIS/ ENZYME ACTIVATION/ FRUCTOSEPHOSPHATES/ GLUTAMINE/ KINETICS/ LIVER, enzymology/ MUCOPOLYSACCHARIDES/ RATS/ *TOLBUTAMIDE

2392. **Malcolm LA, Zimmerman L:** Dwarfism amongst the Buang of Papua New Guinea.
Hum Biol 45:181-93, May 73
AGED/ ANTHROPOMETRY/ *DWARFISM, familial & genetic/ FEMALE/ GENES, RECESSIVE/ HUMAN/ MALE/ NEW GUINEA/ PEDIGREE

2393. **Males JL, Howard WJ, Mask DR, et al:** Primary hyperparathyroidism presenting as a giant cell tumor of the maxilla.
Arch Intern Med 132:107-11, Jul 73
*ADENOMA, complications/ ADENOMA, surgery/ ALKALINE PHOSPHATASE, blood/ BONE REGENERATION/ CALCIUM, blood/ CALCIUM, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GIANT CELL TUMORS, diagnosis/ GIANT CELL TUMORS, pathology/ GIANT CELL TUMORS, radiotherapy/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ *MAXILLARY SINUS/ MIDDLE AGE/ *PARANASAL SINUS NEOPLASMS, diagnosis/ PARANASAL SINUS NEOPLASMS, etiology/ PARANASAL SINUS NEOPLASMS, pathology/ PARANASAL SINUS NEOPLASMS, radiotherapy/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood/ POLYURIA, etiology/ TETANY, drug therapy/ TETANY, etiology

2394. **Malkani K, Luxembourger MM, Rebel A:** Cytoplasmic modifications at the contact zone of osteoclasts and calcified tissue in the diaphyseal growing plate of foetal guinea-pig tibia.
Calcif Tissue Res 11:258-64, 12 Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES, cytology/ *BONE AND BONES, embryology/ BONE RESORPTION/ *CALCIFICATION, PHYSIOLOGIC/ CYTOPLASM/ GUINEA PIGS/ MICROSCOPY, ELECTRON/ *OSTEOCLASTS

2395. **Málnási Z, Lehrner J, Schwarz J:** Immune reaction manifesting with anterior uveitis and urogenital disease: prostaglandins as haptens.
Acta Chir Acad Sci Hung 13:375-83, 1972
ADULT/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HAPTENS, physiology/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IGM/ IMMUNE SERUMS/ IRIS, immunology/ MALE/ *MENSTRUATION/ *PROSTAGLANDINS, administration & dosage/ PROSTATE, immunology/ PROSTATITIS, chemically induced/ *PROSTATITIS, immunology/ RABBITS/ SHEEP, immunology/ TISSUE EXTRACTS, adverse effects/ *UVEITIS, immunology

2396. **Malvano R, Rosa U:** Current status of standardization of steroid radioimmunoassay.
J Nucl Biol Med 16:90-101, Apr-Jun 72
ALDOSTERONE, blood/ CORTICOSTERONE, blood/ CORTISONE, blood/ DESOXYCORTICOSTERONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, blood/ HUMAN/ HYDROCORTISONE, blood/ IMMUNE SERUMS/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOIMMUNOASSAY, standards/ *STEROIDS, analysis/ TESTOSTERONE, blood

2397. **Malyi DD:** Vliianie narushenii innervatsii i vv vegetotropnykh veshchestv na chuvstvitel pochek k dezoksikortikosteronu.
Probl Endokrinol (Mosk) 19:80-4, Mar-Apr 7
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *AUTONOMIC DRUG pharmacodynamics/ *DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRAC EPINEPHRINE, pharmacodynamics/ ERG ALKALOIDS, HYDROGENATED, pharmacodynamics/ FASTING/ INJECTI INTRAMUSCULAR/ KIDNEY, drug effe *KIDNEY, innervation/ PHOTOMETRY/ PILOCARPINE, pharmacodynamics/ POTASSIUM, urine/ RATS/ SODIUM, u SPLANCHNIC NERVES, physiology/ VA NERVE, physiology

2398. **Mamelle JC, Dutruge J, Gilly R:** Syndro Klinefelter. A propos de dix-huit cas.
Pediatrie 27:851-70, Dec 72
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ BODY HEIGHT/ CHIL CHILD, PRESCHOOL/ GENITALIA, MA abnormalities/ HUMAN/ INFANT/ INFA NEWBORN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, familial genetic/ KLINEFELTER'S SYNDROME, therapy/ MALE/ SEX CHROMATIN, an TESTIS, pathology/ TESTOSTERONE, b

2399. **Mamo H:** Le rire. Réflexions sur ses b physiologiques.
Encephale 62:5-19, Jun-Feb
*BRAIN DISEASES, complications/ BRA STEM/ EMOTIONS/ EPILEPSY, compli FRONTAL LOBE/ HUMAN/ HYPOTHALAMUS/ *LAUGHTER/ *MEN DISORDERS, complications/ SCHIZOPH complications

2400. **Manchester KL, Bullock G, Roetzscher VM:** I of methylxanthines and local anaesthetics metabolism of muscle and associated ch mitochondrial morphology.
Chem Biol Interact 6:273-96, May 73
ADENOSINE CYCLIC 3',5' MONOPHOS pharmacodynamics/ ADRENERGIC ALP RECEPTOR BLOCKADERS, pharmacody ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AM ACID ACTIVATION/ AMINO ACIDS, metabolism/ *ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIM CAFFEINE, pharmacodynamics/ CAPRY pharmacodynamics/ CARBON ISOTOPE DIAPHRAGM/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ LACTA biosynthesis/ MICROSCOPY/ MICROSC ELECTRON/ *MITOCHONDRIA, MUSCL anatomy & histology/ MITOCHONDRIA MUSCLE, drug effects/ MUSCLES, dru effects/ *MUSCLES, metabolism/ OXY CONSUMPTION, drug effects/ PROTE biosynthesis/ RATS/ THEOPHYLLINE, pharmacodynamics/ *XANTHINES, pharmacodynamics

2401. **Mandell GL:** Interaction of intraleukocytic bac antibiotics.
J Clin Invest 22:1673-9, Jul
CARBON ISOTOPES/ HYDROCORTISO pharmacodynamics/ LYSOSTAPHIN, pharmacodynamics/ OXYGEN CONSUM drug effects/ *PENICILLIN, metabolis PENICILLIN, pharmacodynamics/ PHAGOCYTOSIS/ RIFAMPIN, pharmacodynamics/ STAPHYLOCOCCUS effects/ *STAPHYLOCOCCUS, metaboli SULFUR ISOTOPES/ TRITIUM

2402. **Maneiro PJ, Zárate A, Alarcón D, et al:** M precoz como expresión de una enfermeda autoinmune. Estudio endócrino e inmu
Ginecol Obstet Mex 33:407-13, Apr 73
ADULT/ AGE FACTORS/ *AUTOANTI analysis/ *AUTOIMMUNE DISEASES/ *ENDOCRINE DISEASES, immunology/ ENGLISH ABSTRACT/ FEMALE/ HUM *MENOPAUSE/ *OVARY, immunology

Mann T, Karagiannidis A, Martin AW Jr: Glycosidases in the spermatophores of the giant octopus, Octopus dofleini Martini.
Comp Biochem Physiol [A] 44:1377-86, 1 Apr 73
ACETIC ACIDS/ ANIMAL EXPERIMENTS/ GALACTOSIDASE, metabolism/ *GENITALIA, MALE, enzymology/ GENITALIA, MALE, secretion/ GLUCOSAMINIDASE, metabolism/ GLUCURONIDASE, metabolism/ *GLYCOSIDE HYDROLASES, metabolism/ MALE/ MANNOSE/ MODELS, BIOLOGICAL/ *OCTOPUS/ PROSTATE, enzymology/ SEMINAL VESICLES, enzymology/ SPERMATOZOA, enzymology/ TESTIS, enzymology/ VAS DEFERENS, enzymology

Manukhin BN, Turpaev TM: Identity of the acetylcholine, adrenalin and serotonin receptors.
Neurosci Behav Physiol 5:70-8, Jan-Mar 72
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, pharmacodynamics/ FROGS/ HEART, drug effects/ HEART VENTRICLE/ KINETICS/ MOLLUSCA/ MYOCARDIUM/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, DRUG, drug effects/ *SEROTONIN, pharmacodynamics

Manusharova RA, Frenkel' GM, Kliachko VP: Electroentsefalogrammy bol'nykh insulinomami do i v otdalenny sroki posle operatsii.
Probl Endokrinol (Mosk) 19:30-7, Mar-Apr 73 (Rus)
ADMINISTRATION, ORAL/ ADULT/ BLOOD SUGAR, analysis/ CHRONIC DISEASE/ CONSCIOUSNESS/ *ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FASTING/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ *ISLET CELL TUMOR, physiopathology/ ISLET CELL TUMOR, surgery/ LEUCINE, diagnostic use/ MIDDLE AGE/ TOLBUTAMIDE, diagnostic use

Manzke E, Manzke H: Radiologische Dickenmessung der Compacta bei Kindern mit generalisierter Osteopathie.
Monatsschr Kinderheilkd 121:135-9, Apr 73 (Ger)
AGE FACTORS/ ANTHROPOMETRY/ *BONE AND BONES, radiography/ CHILD/ CHILD, PRESCHOOL/ DENSITOMETRY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALABSORPTION SYNDROMES, complications/ METHODS/ RICKETS, etiology/ *RICKETS, radiography/ *RICKETS, VITAMIN D RESISTANT, radiography

Mao W, Caruolo EV: Effect of lactose content and milking interval on mammary blood flow.
J Dairy Sci 56:729-32, Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARDIAC OUTPUT/ CHROMATOGRAPHY, GAS/ FEMALE/ *LACTATION/ *LACTOSE, analysis/ MAMMAE, analysis/ *MAMMAE, blood supply/ METHODS/ MICE/ PREGNANCY/ RADIOISOTOPE DILUTION TECHNIC/ REGIONAL BLOOD FLOW/ SODIUM CHLORIDE/ SODIUM ISOTOPES/ TIME FACTORS

Maraud R, Vergnaud O, Sylla S, et al: Sur les relations hypophyso-ovariennes chez l'embryon de poulet.
C R Soc Biol (Paris) 166:350-3, 9 Nov 72 (Fre)
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ EPITHELIUM, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ OVARY, embryology/ *OVARY, physiology/ OVIDUCTS, drug effects/ OVIDUCTS, embryology/ PITUITARY GLAND, embryology/ *PITUITARY GLAND, physiology

Marcy R, Loyau G, Dumas M: Etude des effets de l'aproteinine administrée par voie para et intra-articulaire. II. Etude clinique.
Therapie 27:1031-41, Nov-Dec 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ *JOINT DISEASES, drug therapy/ MIDDLE AGE

2410. **Marecek RL, Feldman JM:** Effect of hyperthyroidism on insulin and glucose dynamics in rabbits.
Endocrinology 92:1604-11, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HALF-LIFE/ *HYPERTHYROIDISM, blood/ IN VITRO/ *INSULIN, blood/ INSULIN, metabolism/ IODINE ISOTOPES/ MALE/ PANCREAS, metabolism/ RABBITS/ TIME FACTORS

2411. **Marek J, Srámková J, Bleha O, et al:** Akromegalie. I. Diagnostické využití radioimunologického stanovení somatotrofního hormonu.
Cas Lek Cesk 112:745-50, 1973 (Cze)
ACROMEGALY, blood/ *ACROMEGALY, diagnosis/ ACROMEGALY, enzymology/ ADULT/ ALKALINE PHOSPHATASE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

2412. **Margit K, László V, Mihály S:** Az Y chromatin kimutatása szövettani metszetekben.
Morphol Igazsagugyi Orv Sz 13:112-5, Apr 73 (Hun)
CELL NUCLEUS, analysis/ CYTOGENETICS/ ENGLISH ABSTRACT/ FEMALE/ FIBROBLASTS, analysis/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ *SEX CHROMATIN, analysis/ *SEX CHROMOSOMES, analysis/ STAINS AND STAINING/ TRYPSIN

2413. **Margules DL, Margules A:** Cholinergic receptors in the ventromedial hypothalamus govern operant response strength.
Am J Physiol 224:1475-9, Jun 73
ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ *CONDITIONING, OPERANT, drug effects/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, DRUG, drug effects/ REINFORCEMENT SCHEDULE

2414. **Marinov M:** Tuberkuloza sled lechenie s kortikosteroidi.
Vutr Boles 12:74-7, 1973 (Bul)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ ANTIBIOTICS, therapeutic use/ CHRONIC DISEASE/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HERPANGINA, drug therapy/ HUMAN/ HYDROCORTISONE, adverse effects/ MENINGITIS, drug therapy/ PREDNISOLONE, adverse effects/ PREDNISONE, adverse effects/ RHEUMATISM, drug therapy/ TONSILLITIS, drug therapy/ *TUBERCULOSIS, PULMONARY, chemically induced/ TUBERCULOSIS, PULMONARY, diagnosis

2415. **Marion DF, Terrien CM Jr:** Photosensitive livedo reticularis.
Arch Dermatol 108:100-1, Jul 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ARM/ DIGOXIN, therapeutic use/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ LEG/ *PHOTOSENSITIZATION, chemically induced/ PHOTOSENSITIZATION, complications/ PHOTOSENSITIZATION, drug therapy/ QUINIDINE, administration & dosage/ *QUINIDINE, adverse effects/ QUINIDINE, therapeutic use/ RHEUMATIC HEART DISEASE, complications/ RHEUMATIC HEART DISEASE, drug therapy/ *VASCULAR DISEASES, chemically induced

2416. **Markey WS, Ryan WG, Economou SG, et al:** Familial medullary carcinoma and parathyroid adenoma without pheochromocytoma. Report of two cases.
Ann Intern Med 78:898-901, Jun 73
ADENOMA, blood/ ADENOMA, complications/

LIBRARY U. OF I., URBANA-CHAMPAIGN

*ADENOMA, familial & genetic/ ADULT/ CALCIUM, blood/ CARCINOMA, blood/ CARCINOMA, complications/ *CARCINOMA, familial & genetic/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ KIDNEY CALCULI, complications/ MALE/ PARATHYROID HORMONE, blood/ PARATHYROID NEOPLASMS, blood/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, familial & genetic/ PHEOCHROMOCYTOMA, familial & genetic/ PHOSPHORUS, blood/ SYNDROME/ THYROCALCITONIN, blood/ THYROID NEOPLASMS, blood/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, familial & genetic

2417. **Markezich RL, Willy WE, McCarry BE, et al:** Direct formation of the steroid nucleus by a nonenzymic biogenetic-like cyclization. Preparation of the cyclization substrate.
J Am Chem Soc 95:4414-6, 27 Jun 73
CYCLIZATION/ METHODS/ MODELS, STRUCTURAL/ STEREOISOMERS/ *STEROIDS, chem synthesis/ STRUCTURE-ACTIVITY RELATIONSHIP

2418. **Marks HL, Howarth B Jr:** Influence of method of administering thiouracil on thyroid variability.
Poult Sci 52:383-5, Jan 73
ADMINISTRATION, ORAL/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT, drug effects/ ORGAN WEIGHT/ *QUAIL, physiology/ *THIOURACIL, administration & dosage/ *THYROID GLAND, drug effects/ WATER

2419. **Marks HL, Nix DF:** Growth response of stocks with different growth rates to thiouracil.
Poult Sci 52:112-5, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT, drug effects/ *CHICKENS, growth & development/ FEMALE/ FOOD ADDITIVES, pharmacodynamics/ *GROWTH, drug effects/ MALE/ *THIOURACIL, pharmacodynamics

2420. **Marley E:** Central effects of sympathomimetic amines.
Acta Physiol Pol 24:21-31, Jan-Feb 73
AGE FACTORS/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ BODY TEMPERATURE, drug effects/ *BRAIN, drug effects/ CATS/ CHICKENS/ DOPAMINE, administration & dosage/ DOPAMINE, pharmacodynamics/ GOATS/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRATHECAL/ INJECTIONS, INTRAVENOUS/ LOCOMOTION, drug effects/ MONKEYS/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ OXYGEN CONSUMPTION, drug effects/ PIGEONS/ RABBITS/ RATS/ SHIVERING, drug effects/ *SYMPATHOMIMETICS, pharmacodynamics

2421. **Marnay-Gulat C, Dam-Trung-Tuong M, Labitte A, et al:** Importance des surrénales dans la régulation phosphocalcique chez le cobaye. Effets de la réserpine.
J Physiol (Paris) 65:Suppl 3:446A+, 1972 (Fre)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ GUINEA PIGS/ NOREPINEPHRINE, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHORUS, blood/ *RESERPINE, pharmacodynamics

2422. **Marois C, Morisset J, Dunnigan J:** Presence and stimulation of adenyl cyclase in pancreas homogenate.
Rev Can Biol 31:253-7, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ FLUORINE, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ PANCREAS, drug effects/ *PANCREAS, enzymology/ PANCREOZYMIN, pharmacodynamics/ RA SECRETIN, pharmacodynamics/ TIME FACTORS

2423. **Marois M, Buvet M:** Etude de l'action de l'ion cul la gestation de la rattie et de la lapin
C R Soc Biol (Paris) 166:1237-40, 1972
ABORTION, chemically induced/ ANIMA EXPERIMENTS/ *COPPER, toxicity/ CO LUTEUM, drug effects/ FEMALE/ MAL OVULATION, drug effects/ PREGNANCY *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ SPECIES SPECIFICIT

2424. **Marot J, Ozon R:** Competitive protein binding using an amphibian sex binding protein. Measu of estradiol-17 in Pleurodeles waltlii Michah.
Comp Biochem Physiol [B] 44:1103-11, 15
*AMPHIBIA/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARRIER PROTEINS/ *ESTRADIOL, blood/ FEMA GEL FILTRATION/ MALE/ METHODS/ PROTEIN BINDING/ TRITIUM

2425. **Marple DN, Cassens RG:** Increased metabolic cl of cortisol by stress-susceptible swine.
J Anim Sci 36:1139-42, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATHETERIZATION/ CORTICOTROPIN, blood/ FEMALE/ GE FILTRATION/ HYDROCORTISONE, administration & dosage/ *HYDROCORT blood/ INJECTIONS, INTRAVENOUS/ METABOLIC CLEARANCE RATE/ MET STRESS, metabolism/ *STRESS, veterina SWINE, metabolism/ *SWINE DISEASES metabolism/ TIME FACTORS/ TRITIUM VENA CAVA, INFERIOR

2426. **Marquis RE, Porterfield N, Matsumura P:** A titration of streptococci and the physical s intracellular ions. J Bacteriol 114:491-8,
ALCOHOLS, BUTYL, pharmacodynamics/ *CALCIUM, metabolism/ CELL MEMBRA drug effects/ CELL MEMBRANE, metab CELL WALL, drug effects/ CELL WAL metabolism/ CULTURE MEDIA/ *HYDROCHLORIC ACID, pharmacodynan HYDROGEN-ION CONCENTRATION/ *MAGNESIUM, metabolism/ OSMOTIC FRAGILITY/ *POTASSIUM, metabolism/ PROTOPLASTS, drug effects/ PROTOPL metabolism/ RIBOSOMES, metabolism/ *SODIUM, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STREPTOCOCCUS FAEC cytology/ STREPTOCOCCUS FAECALIS, effects/ STREPTOCOCCUS FAECALIS, & development/ *STREPTOCOCCUS FAECALIS, metabolism

2427. **Marrama P, Dellacasa L, Carani C, et al:** Secre STH e metabolismo insulino-glicidico in sogg sindrome di Turner od ipostaturalità malfor
Recent Prog Med (Roma) 54:197-212, Mar
ACHONDROPLASIA, metabolism/ ADOLESCENCE/ ADULT/ *BONNEVIE-ULLRICH SYNDROME, metabolism/ *CARBOHYDRATES, metab *DWARFISM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INSU metabolism/ KARYOTYPING/ MIDDLE PHENOTYPE/ SOMATOTROPIN, metabo *SOMATOTROPIN, secretion/ *TURNER SYNDROME, metabolism

2428. **Marschang F:** Auswirkungen von Hitzebelast die Milchleistung der Kühe.
Dtsch Tieraerztl Wochenschr 80:187-9, 15 Apr
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ENGLISH ABSTRACT/ FEM *HEAT/ *LACTATION/ PREGNANCY/ WEATHER

2429. **Mârşeanu M, Tomescu E:** Dificultăţi de di într-un caz de neuroblastom forma Pee
Pediatria (Bucur) 21:355-62, Jul-Aug 72
*ADRENAL GLAND NEOPLASMS, diagn

ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ LIVER NEOPLASMS, diagnosis/ NEOPLASM METASTASIS/ *NEUROBLASTOMA, diagnosis

Marshall IG: The effects of three short-acting neuromuscular blocking agents on fast- and slow-contracting muscles of the cat.
Eur J Pharmacol 21:299-304, Mar 73
AMMONIUM COMPOUNDS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AZO COMPOUNDS, pharmacodynamics/ CATS/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ CURARE-LIKE AGENTS, administration & dosage/ *CURARE-LIKE AGENTS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDROPHONIUM CHLORIDE, pharmacodynamics/ GALLAMINE TRIETHIODIDE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ LIGATION/ *MUSCLES, drug effects/ NEOSTIGMINE, pharmacodynamics/ *NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ PREGNADIENES, pharmacodynamics/ PYRIDINIUM COMPOUNDS, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ SCIATIC NERVE, drug effects/ TUBOCURARINE, pharmacodynamics

Marshall IG, Paul D, Singh H: The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-d-homo-5 -androstane dimethiodide (HS-342) in the anaesthetized cat.
Eur J Pharmacol 22:129-34, May 73
ANDROSTANES, antagonists & inhibitors/ *ANDROSTANES, pharmacodynamics/ ANESTHESIA/ ANIMAL EXPERIMENTS/ AZA COMPOUNDS, antagonists & inhibitors/ AZA COMPOUNDS, pharmacodynamics/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDROPHONIUM CHLORIDE, pharmacodynamics/ FEMALE/ HEART RATE, drug effects/ HOMOSTEROIDS, antagonists & inhibitors/ HOMOSTEROIDS, pharmacodynamics/ IN VITRO/ IODIDES, antagonists & inhibitors/ IODIDES, pharmacodynamics/ MALE/ NEUROMUSCULAR DEPOLARIZING AGENTS, antagonists & inhibitors/ *NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ NEUROMUSCULAR JUNCTION, drug effects/ NICTITATING MEMBRANE, drug effects/ TIME FACTORS/ VAGUS NERVE, drug effects

Marshall JF, Teitelbaum P: A comparison of the eating in response to hypothermic and glucoprivic challenges after nigral 6-hydroxydopamine and lateral hypothalamic electrolytic lesions in rats.
Brain Res 55:229-33, 30 May 73
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, metabolism/ *COLD/ DIENCEPHALON, metabolism/ DOPAMINE, metabolism/ *FEEDING BEHAVIOR/ *HYDROXYDOPAMINE/ *HYPOGLYCEMIA, metabolism/ *HYPOTHALAMUS, physiology/ *INSULIN/ MESENCEPHALON, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ STIMULATION, CHEMICAL/ *SUBSTANTIA NIGRA, drug effects/ SUBSTANTIA NIGRA, metabolism

Marshall JM: Effects of catecholamines on the smooth muscle of the female reproductive tract.
Annu Rev Pharmacol 13:19-32, 1973 (115 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD VESSELS, drug effects/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ ENDOPLASMIC RETICULUM, metabolism/ FALLOPIAN TUBES, drug effects/ HORMONES, pharmacodynamics/ HUMAN/ IN VITRO/ MEMBRANES, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, drug effects/ OVARY, drug effects/ RATS/ RECEPTORS, ADRENERGIC/ REVIEW/ UTERUS, drug effects/ UTERUS, innervation

2434. **Marshall LF, Jennett B:** Smear biopsy in neurosurgical diagnosis. Arch Neurol 29:124-6, Aug 73
ADENOMA, diagnosis/ ASTROCYTOMA, diagnosis/ *BIOPSY/ *BRAIN NEOPLASMS, diagnosis/ CARCINOMA, diagnosis/ CRANIOTOMY/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LAMINECTOMY/ METHODS/ NEEDLES/ PITUITARY NEOPLASMS, diagnosis/ SARCOMA, OSTEOGENIC, diagnosis

2435. **Marti-Henneberg C, Gonzalez-Alvarez MT, Audi-Parera L, et al:** Hypopituitarisme par nécrose du post-partum, associé à un diabète insipide. Possibilité d'une étiologie commune aux deux processus. Commentaires a porpos d'un cas.
Rev Fr Endocrinol Clin 13:123-9, Mar-Apr 72 (Fre)
ADULT/ APPETITE DISORDERS, etiology/ *DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, complications/ HYPOPITUITARISM, etiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ ISCHEMIA, complications/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY GLAND FUNCTION TESTS/ PREGNANCY/ *PUERPERAL DISORDERS, complications/ SHEEHAN'S SYNDROME, complications/ SHEEHAN'S SYNDROME, physiopathology/ SHEEHAN'S SYNDROME, therapy/ WATER-ELECTROLYTE BALANCE

2436. **Martin FH, Baile CA:** Feeding elicited in sheep by intrahypothalamic injections of PGE 1
Experientia 29:306-7, 15 Mar 73
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *APPETITE REGULATION, drug effects/ HYPOTHALAMUS/ *HYPOTHALAMUS, drug effects/ INJECTIONS/ ISOPROTERENOL, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP

2437. **Martin JB:** Neural regulation of growth hormone secretion. N Engl J Med 288:1384-93, 28 Jun 73 (83 ref.)
ACROMEGALY, metabolism/ ADULT/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, physiology/ BRAIN, physiology/ BRAIN CHEMISTRY/ BRAIN DISEASES, metabolism/ CHILD/ DWARFISM, PITUITARY, metabolism/ FEEDBACK/ GROWTH/ HORMONES, physiology/ HUMAN/ HYPERPITUITARISM, metabolism/ HYPOPITUITARISM, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, physiology/ MATERNAL DEPRIVATION/ *NEUROSECRETION/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, physiology/ REVIEW/ SLEEP/ SOMATOTROPIN, blood/ SOMATOTROPIN, pharmacodynamics/ *SOMATOTROPIN, secretion

2438. **Martin KJ, Gray SP, Nichols G:** Effect of a short simulated dive on selected blood constituents in man.
Aerosp Med 44:516-22, May 73
*ALKALINE PHOSPHATASE, blood/ *ASPARTATE AMINOTRANSFERASE, blood/ BLOOD CHEMICAL ANALYSIS/ *CREATINE KINASE, blood/ *DIVING, adverse effects/ *FATTY ACIDS, NONESTERIFIED, blood/ *FIBRINOGEN, analysis/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ PSYCHOPHYSIOLOGIC DISORDERS/ SERUM

U. OF I., URBANA-CHAMPAIGN

GLOBULINS, analysis/ SUBMARINE MEDICINE

2439. **Martin L, Das RM, Finn CA:** The inhibition by progesterone of uterine epithelial proliferation in the mouse. J Endocrinol 57:549-54, Jun 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ DNA, biosynthesis/ EPITHELIAL CELLS, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ *PROGESTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM/ UTERUS, cytology/ *UTERUS, drug effects

2440. **Martin PM, Brown JB:** The effect of intrauterine contraceptive devices on ovarian and menstrual function in the human.
J Clin Endocrinol Metab 36:1125-31, Jun 73
ADULT/ ESTROGENS, urine/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ *MENSTRUATION/ MIDDLE AGE/ *OVARY, physiology/ OVULATION/ PREGNANEDIOL, urine/ PROGESTERONE, blood

2441. **Martín Zurro A, Sánchez Franco F, Cerdán Vallejo A:** Tratamiento de adenomas hipofisarios con clorpromazina.
Rev Clin Esp 129:269-72, 15 May 73 (Spa)
*ADENOMA, drug therapy/ ADMINISTRATION, ORAL/ CHLORPROMAZINE, administration & dosage/ *CHLORPROMAZINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, secretion/ *PITUITARY NEOPLASMS, drug therapy/ SOMATOTROPIN, secretion

2442. **Martinelli M, Merlin L, Cohen Y:** Distribution de l'acide érucique 14 C chez la souris normale ou gestante.
C R Acad Sci [D] (Paris) 676:853-6, 29 Jan 73 (Fre)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BROWN FAT, metabolism/ CARBON ISOTOPES/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LIVER, metabolism/ MICE/ MYOCARDIUM, metabolism/ OLEIC ACID, metabolism/ PLACENTA, metabolism/ PREGNANCY, ANIMAL/ SPLEEN, metabolism

2443. **Martinez-Maldonado M, Eknoyan G, Suki WN:** Diuretics in nonedematous states. Physiological basis for the clinical use.
Arch Intern Med 131:797-808, Jun 73 (111 ref.)
*ACIDOSIS, RENAL TUBULAR, drug therapy/ ACIDOSIS, RENAL TUBULAR, urine/ BARBITURATES, urine/ CALCIUM, urine/ CHLOROTHIAZIDE, therapeutic use/ *CYSTINURIA, drug therapy/ CYSTINURIA, physiopathology/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ DIABETIC NEPHROPATHIES, drug therapy/ DIURETICS, metabolism/ DIURETICS, pharmacodynamics/ *DIURETICS, therapeutic use/ FUROSEMIDE, therapeutic use/ HALOGENS, urine/ HUMAN/ *HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, urine/ KIDNEY/ *KIDNEY, physiopathology/ KIDNEY TUBULES, physiopathology/ NATRIURESIS/ REVIEW/ SALICYLIC ACID, urine/ SODIUM, urine/ URIC ACID, urine

2444. **Martirosian VV, Kachan TD:** Sutochnaia aktivnost' gliukokortikoidnoi funktsii kory nadpochechnikov pri opukholiakh golovnogo mozga.
Vopr Neirokhir 37:50-4, Mar-Apr 73 (Rus)
ACOUSTIC NERVE/ *ADRENAL GLANDS, secretion/ *BRAIN NEOPLASMS, physiopathology/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ GLIOMA, physiopathology/ *GLUCOCORTICOIDS, secretion/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MENINGIOMA, blood/ *MENINGIOMA, physiopathology/ NEURILEMMOMA, physiopathology

2445. **Márton D von:** Untersuchungen über den Exophthalmus nach Strumaoperation.
Med Monatsschr 26:561-4, Dec 72
ADOLESCENCE/ ADULT/ AGED/ CHIL *EXOPHTHALMOS, etiology/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, surg HUMAN/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS

2446. **Martyr RJ, Benisek WF:** Affinity labeling of th sites of delta 5 -ketosteroid isomerase photoexcited natural ligands.
Biochemistry 12:2172-8, 22 May 73
ACETIC ACIDS/ ANDROSTENES/ BIN COMPETITIVE/ BINDING SITES/ CAR ISOTOPES/ CARBOXYLIC ACIDS/ CO ESTRANES/ HYDROXYSTEROIDS/ *ISOMERASES, antagonists & inhibitors ISOMERASES, radiation effects/ KETOSTEROIDS/ METHYL ETHER/ M CHEMICAL/ PHOTIC STIMULATION/ PREGNENOLONE/ *PSEUDOMONAS, enzymology/ *STEROIDS/ STEROIDS, effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE/ TI FACTORS/ ULTRAVIOLET RAYS

2447. **Marusic ET, White A, Aedo AR:** Oxidative re the formation of an aldehyde group i biosynthesis of aldosterone.
Arch Biochem Biophys 157:320-1, Jul 7
ADRENAL GLANDS, cytology/ ADREN GLANDS, metabolism/ AEROBIOSIS/ *ALDOSTERONE, biosynthesis/ ANAEROBIOSIS/ ANIMAL EXPERIME CALCIUM, pharmacodynamics/ CARBO ISOTOPES/ CATTLE/ CORTICOSTERO metabolism/ DOGS/ FAD, pharmacodyn HYDROXYCORTICOSTEROIDS, metabo MICROSOMES, metabolism/ MITOCHO drug effects/ MITOCHONDRIA, metab MITOCHONDRIAL SWELLING/ NAD, pharmacodynamics/ NADP, pharmacody OXIDATION-REDUCTION/ OXIDOREDUCTASES, metabolism

2448. **Maruyama Y, Mariani T, Engels EP, et al:** between experimental and human lympho
Cancer 31:1106-13, May 73
ANIMAL EXPERIMENTS/ *DISEASE ANIMAL/ GRAFT REJECTION/ GROS VIRUS/ HUMAN/ *LYMPHOMA/ LYM pathology/ LYMPHOMA, radiotherapy/ MICE, INBRED C3H/ MIDDLE AGE/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL/ SKI pathology/ SKIN, transplantation/ *SK NEOPLASMS/ SKIN NEOPLASMS, pa SKIN NEOPLASMS, radiotherapy/ TH NEOPLASMS, etiology/ TRANSPLANT HOMOLOGOUS/ TUMOR VIRUS INFE

2449. **Marwood JF, Lockett MF:** Sound-withdr hypertension in rats--a new form of exp hypertension. J Pharm Pharmacol 25:42
ADRENAL GLANDS, pathology/ ANI EXPERIMENTS/ BLOOD PRESSURE, effects/ BODY WEIGHT/ DESOXYCORTICOSTERONE/ ELECTROPHORESIS, DISK/ FEMALE GANGLIA, AUTONOMIC, drug effect HYPERTENSION, chemically induced/ *HYPERTENSION, etiology/ HYPERT pathology/ MYOCARDIUM, pathology/ NOREPINEPHRINE, pharmacodynamic ORGAN WEIGHT/ PENTOLINIUM TA pharmacodynamics/ PITUITARY GLA analysis/ RATS/ RATS, INBRED STR *SOUND/ SPLEEN, pathology/ THYM GLAND, pathology/ TIME FACTORS/ TYRAMINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2450. **Marx GF, Eckstein KL, Halevy S:** Pla transmission and maternal and neonatal of fluroxene.
Anesth Analg (Cleve) 52:654-60, Jul-A
ANESTHESIA, INHALATION/ ANEST OBSTETRICAL/ APGAR SCORE/ CE SECTION/ CHROMATOGRAPHY, GA

DELIVERY/ FEMALE/ FLUROXENE, administration & dosage/ FLUROXENE, analysis/ *FLUROXENE, blood/ HUMAN/ INFANT, NEWBORN/ LABOR/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ RESPIRATION/ TIME FACTORS/ UMBILICAL ARTERIES/ UMBILICAL VEINS

Marx MB, Melnyk J, Persinger G, et al: Cytogenetics of the superhorse. J Hered 64:95-8, Mar-Apr 73
ANIMAL EXPERIMENTS/ BREEDING/ *CHROMOSOME ABERRATIONS/ *HORSES/ KARYOTYPING/ *SEX CHROMOSOMES

Marx SJ, Woodward C, Aurbach GD, et al: Renal receptors for calcitonin. Binding and degradation of hormone. J Biol Chem 248:4797-802, 10 Jul 73
ADENYL CYCLASE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL MEMBRANE, metabolism/ CHEMISTRY/ CHLORAMINES/ CHROMATOGRAPHY, THIN LAYER/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ HYPOCALCEMIA, chemically induced/ INTESTINAL MUCOSA, metabolism/ IODINE/ IODINE, isolation & purification/ IODINE ISOTOPES/ *KIDNEY, metabolism/ MUCOUS MEMBRANE, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ RECEPTORS, DRUG/ SALMON/ SKULL, metabolism/ THYROCALCITONIN/ THYROCALCITONIN, isolation & purification/ *THYROCALCITONIN, metabolism

Mason AM, Ratcliffe JG, Buckle RM, et al: ACTH secretion by bronchial carcinoid tumours. Clin Endocrinol (Oxf) 1:3-25, Jan 72
ADULT/ AGED/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ *CYLINDROMA, metabolism/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ *LUNG NEOPLASMS, metabolism/ MALE/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis

Mason BD, Krishnamurti CR, Kitts WD: Jugular plasma concentrations of alpha amino nitrogen, amino acids, urea nitrogen, and glucose during the bovine estrous cycle. J Dairy Sci 56:744-7, Jun 73
*AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *BLOOD UREA NITROGEN/ CATTLE, metabolism/ *CATTLE, physiology/ *ESTRUS/ FEMALE/ JUGULAR VEIN/ LACTATION/ *NITROGEN, blood/ PREGNANCY/ TIME FACTORS

Mason JW, Mougey EH, Kenion CC: Urinary epinephrine and norepinephrine responses to chair restraint in the monkey.
Physiol Behav 10:801-4, Apr 73
ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, urine/ HOUSING, ANIMAL/ *IMMOBILIZATION/ MACACA/ MALE/ MONKEYS/ *NOREPINEPHRINE, urine/ *POSTURE/ STRESS, PSYCHOLOGICAL/ TIME FACTORS

Mason NR, Schaffer RJ, Toomey RE: Stimulation of cyclic AMP accumulation in rat ovaries in vitro. Endocrinology 93:34-41, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ LH, pharmacodynamics/ *OVARY, drug effects/ OVARY, metabolism/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM

Masse SR, Wolk RW, Conklin RH: Peripituitary gland involvement in acute leukemia in adults.
Arch Pathol 96:141-2, Aug 73
ADULT/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ *LEUKEMIA, MYELOBLASTIC, pathology/ *LEUKEMIA, MYELOCYTIC, pathology/ MENINGES, pathology/ NEOPLASM METASTASIS/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, pathology/ RETROSPECTIVE STUDIES

2458. **Massey GM:** Anaesthesia in the dog and cat.
Aust Vet J 49:207-10, Apr 73
ANALGESICS AND ANTIPYRETICS/ *ANESTHESIA, veterinary/ ANESTHESIA, INHALATION, veterinary/ ANESTHESIA, INTRAVENOUS, veterinary/ ANESTHETICS/ ANIMAL EXPERIMENTS/ BARBITURATES/ *CATS/ CURARE-LIKE AGENTS/ *DOGS/ HALOTHANE/ KETAMINE/ METHOXYFLURANE/ NEUROLEPTOANALGESIA, veterinary/ POSTOPERATIVE CARE/ PREANESTHETIC MEDICATION, veterinary/ PREGNANES/ SUCCINYLCHOLINE/ TRANQUILIZING AGENTS

2459. **Massias P:** Nosologie des ostéonécroses de la tête fémorale.
Rev Chir Orthop 59:Suppl 1:17-20, 1973 (Fre)
ADRENAL CORTEX HORMONES, adverse effects/ ALCOHOLISM, complications/ FEMUR HEAD, injuries/ FEMUR HEAD NECROSIS, chemically induced/ *FEMUR HEAD NECROSIS, classification/ FEMUR HEAD NECROSIS, etiology/ GOUT, complications/ HUMAN/ LIVER CIRRHOSIS, complications

2460. **Masson GM:** Plasma oestriol in retarded intrauterine fetal growth.
J Obstet Gynaecol Br Commonw 80:423-8, May 73
APGAR SCORE/ BIRTH WEIGHT/ BODY WEIGHT/ *ESTRIOL, blood/ FEMALE/ *FETAL DISEASES, blood/ FETAL DISEASES, occurrence/ FETUS, growth & development/ GESTATIONAL AGE/ *GROWTH DISORDERS, blood/ HUMAN/ HYPERTENSION/ INFANT, NEWBORN/ ORGAN WEIGHT/ PLACENTA/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood

2461. **Massry SG, Coburn JW:** The hormonal and non-hormonal control of renal excretion of calcium and magnesium. Nephron 10:66-112, 1973 (238 ref.)
ACIDOSIS, metabolism/ ADRENAL CORTEX HORMONES/ ALKALOSIS, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, urine/ CALCIUM, DIETARY/ DIETARY CARBOHYDRATES/ DIURETICS, pharmacodynamics/ EXERTION/ EXTRACELLULAR SPACE/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, physiology/ MAGNESIUM, pharmacodynamics/ *MAGNESIUM, urine/ NATRIURESIS/ PARATHYROID HORMONE, physiology/ PHOSPHATES, pharmacodynamics/ POSTURE/ REVIEW/ SODIUM CHLORIDE, pharmacodynamics/ SOMATOTROPIN, physiology/ THYROID HORMONES, physiology/ VASOMOTOR SYSTEM, physiology/ VITAMIN D, pharmacodynamics

2462. **Massry SG, Friedler RM, Coburn JW:** Excretion of phosphate and calcium. Physiology of their renal handling and relation to clinical medicine.
Arch Intern Med 131:828-59, Jun 73
CALCIUM, metabolism/ *CALCIUM, urine/ DIET/ DIURETICS, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HYPERPARATHYROIDISM, physiopathology/ HYPOPARATHYROIDISM, metabolism/ KIDNEY, metabolism/ *KIDNEY, physiology/ KIDNEY, physiopathology/ KIDNEY CONCENTRATING ABILITY/ KIDNEY FAILURE, ACUTE, physiopathology/ MAGNESIUM, pharmacodynamics/ NATRIURESIS/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, blood/ PHOSPHATES, diagnostic use/ PHOSPHATES,

LIBRARY U. OF I., URBANA-CHAMPAIGN

metabolism/ *PHOSPHATES, urine/ SOMATOTROPIN, pharmacodynamics/ THYROCALCITONIN, pharmacodynamics/ THYROXINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics/ VITAMIN D, pharmacodynamics

2463. **Mastri AR, Silverstein PM, Gold L, et al:** Multiple profressive intracranial arterial occlusions. Stroke 4:380-6, May-Jun 73
ADULT/ AGE FACTORS/ *ARTERIAL OCCLUSIVE DISEASES/ AUTOPSY/ *CAROTID ARTERY DISEASES/ CAROTID ARTERY, INTERNAL/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIES, pathology/ *CEREBRAL ARTERY DISEASES/ CEREBRAL EMBOLISM AND THROMBOSIS, pathology/ *CEREBROVASCULAR DISORDERS/ CEREBROVASCULAR DISORDERS, etiology/ CEREBROVASCULAR DISORDERS, pathology/ CEREBROVASCULAR DISORDERS, radiography/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ SEX FACTORS

2464. **Materazzi F, Rolla M, Tronchetti F:** La sécrétion de l'hormone de la croissance et de l'ACTH dans les tumeurs hypophysaires.
Ann Endocrinol (Paris) 33:344-52, Jul-Aug 72 (Fre)
*ACROMEGALY, physiopathology/ ADENOMA, CHROMOPHOBE, diagnosis/ *ADENOMA, CHROMOPHOBE, physiopathology/ ADULT/ AGED/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, physiopathology/ DEXAMETHASONE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INSULIN, diagnostic use/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, physiopathology/ *SOMATOTROPIN, blood

2465. **Mathews GJ, Zarro V, Osterholm JL:** Cancer pain and its treatment. Semin Drug Treat 3:45-53, Summer 73
ANALGESICS AND ANTIPYRETICS, therapeutic use/ CICATRIX, complications/ ELECTRIC STIMULATION/ HEMORRHAGE, complications/ HORMONES, therapeutic use/ HUMAN/ INFECTION, complications/ NARCOTICS, therapeutic use/ NECROSIS, complications/ NEOPLASM METASTASIS/ *NEOPLASMS, complications/ NEOPLASMS, drug therapy/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ PAIN, drug therapy/ *PAIN, etiology/ PAIN, surgery/ POSTOPERATIVE COMPLICATIONS, drug therapy/ TIME FACTORS

2466. **Mathieu F:** Effets de l'ACTH porcine sur l'hypertension artérielle provoquée par la noradrénaline chez le rat.
C R Soc Biol (Paris) 166:1394-6, 1972 (Fre)
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ VASOMOTOR SYSTEM, drug effects

2467. **Mathison IW, Fowler KC, Morgan PH, et al:** Synthesis and hypotensive properties of tetrahydroisoquinolines. J Med Chem 16:332-6, Apr 73
ANIMAL EXPERIMENTS/ ANTIHYPERTENSIVE AGENTS, administration & dosage/ *ANTIHYPERTENSIVE AGENTS, chem synthesis/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ ANTIHYPERTENSIVE AGENTS, toxicity/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE/ FEMALE/ GUANETHIDINE, pharmacodynamics/ HYPERTENSION, chemically induced/ INJECTIONS, INTRAPERITONEAL/ ISOQUINOLINES, administration & dosage/ *ISOQUINOLINES, chem synthesis/ ISOQUINOLINES, pharmacodynamics/ ISOQUINOLINES, toxicity/ LETHAL D MALE/ METHYLDOPA, pharmacodynam MICE/ RATS/ RATS, INBRED STRAIN STRUCTURE-ACTIVITY RELATIONSHI

2468. **Matkovics B, Rakonczay Z, Kovács K:** Stero Catalytic iodination of phenolic steroid horseradish peroxydase.
Steroids Lipids Res 3:257-62, 1972
CATALYSIS/ CHROMATOGRAPHY, TH LAYER/ ESTRONE/ HYDROGEN-ION CONCENTRATION/ HYDROGEN PERO *IODINE/ IODINE ISOTOPES/ KINETI *PEROXIDASES/ PLANTS, enzymology SPECTROPHOTOMETRY/ *STEROIDS

2469. **Matlina ESh, Pukhova GS, Grafova VN, et al** DOFA na obmen katekholaminov pri s bolevom sindrome.
Vopr Med Khim 19:173-6, Mar-Apr 73
ADRENAL GLANDS, analysis/ ANIMA EXPERIMENTS/ BRAIN CHEMISTRY/ CATECHOLAMINES, blood/ *CATECHOLAMINES, metabolism/ DO analysis/ DOPA, metabolism/ *DOPA, pharmacodynamics/ ENGLISH ABSTRA EPINEPHRINE, analysis/ EPINEPHRIN metabolism/ FLUOROMETRY/ HYPOTHALAMUS, analysis/ INJECTIO INTRAPERITONEAL/ MALE/ MYOCA analysis/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, analysis/ PAIN chemically induced/ PAIN, metabolism SPINAL DISEASES, chemically induce *SPINAL DISEASES, metabolism/ SY TETANUS TOXIN, pharmacodynamics/ FACTORS

2470. **Matlina ESh:** Obmen katekholaminov v gorm mediatornykh zven'iakh simpato-adrenalov
Usp Fiziol Nauk 3:92-130, Oct-Dec 72 (216
ACUTE DISEASE/ *ADRENAL GLAN metabolism/ ADRENAL GLANDS, sec ANIMAL EXPERIMENTS/ BRAIN, m CATECHOLAMINES, blood/ *CATECHOLAMINES, metabolism/ DO DOPA, physiology/ EPINEPHRINE, p EXERTION/ GUINEA PIGS/ IMMOBILIZATION/ LIVER, metabolis MODELS, BIOLOGICAL/ MONKEYS/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, physiology/ RAB RATS/ REVIEW/ SHOCK, TRAUMAT metabolism/ STRESS, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, metabolism

2471. **Matsuda I, Shida N, Yamamoto K, et al:** tubular acidosis in a patient with sho
Tohoku J Exp Med 109:49-55, Jan 7
ACIDOSIS, RENAL TUBULAR, blood *ACIDOSIS, RENAL TUBULAR, com ACIDOSIS, RENAL TUBULAR, urine ADOLESCENCE/ AMMONIUM CHLO diagnostic use/ BICARBONATES, me *DWARFISM, complications/ HUMAN HYDROGEN-ION CONCENTRATION/ FUNCTION TESTS/ MALE

2472. **Matsuki A, Kothary SP, Zsigmond EK:** gallamine on plasma cortisol and catechola in man. Can Anaesth Soc J 20:539-4
ADULT/ ALLYL COMPOUNDS, pharmacodynamics/ BLOOD PRESSU effects/ *EPINEPHRINE, blood/ FE *GALLAMINE TRIETHIODIDE, pharmacodynamics/ HALOTHANE/ H *HYDROCORTISONE, blood/ MALE/ AGE/ NITROUS OXIDE/ NOREPINE blood/ *NOREPINEPHRINE, blood/ OXYGEN, blood/ PULSE, drug effe SUCCINYLCHOLINE, pharmacodynam SYMPATHETIC NERVOUS SYSTEM, effects/ TIME FACTORS/ TOXIFER pharmacodynamics

2473. **Matsukura S, Yoshimoto Y:** [Pituitary

Clin Endocrinol (Tokyo) 21:1-6, Jan 73 (36 ref.) (Jap)
ADULT/ AGED/ *AGING/ CORTICOTROPIN, blood/ CORTICOTROPIN, secretion/ FEMALE/ FSH, blood/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ LH, blood/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiology/ *PITUITARY HORMONES, secretion/ RADIOIMMUNOASSAY/ REVIEW/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

Matsumoto K, Yamada M: 5 -Reduction of testosterone in vitro by rat seminiferous tubules and whole testes at different stages of development.
Endocrinology 93:253-5, Jul 73
AGE FACTORS/ ANDROSTANES, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ IN VITRO/ MALE/ RATS/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

Matsumoto N, Oyama H, Suetsugu N, et al: [Two autopsy cases of reticulosarcoma associated with hypercalcemia]
Jap J Clin Hematol 14:164-72, Feb 73 (Jap)
ADULT/ AUTOPSY/ ENGLISH ABSTRACT/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, pathology/ MALE/ MIDDLE AGE/ *SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, pathology

Matsushima M, Kimura T: [2 cases of pulmonary sarcoidosis with radiographic findings indicative of an enlarged thymus]
Jap J Thorac Dis 10:274-82, May 72 (Jap)
ADOLESCENCE/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUNG DISEASES, drug therapy/ *LUNG DISEASES, radiography/ MALE/ SARCOIDOSIS, drug therapy/ *SARCOIDOSIS, radiography/ THYMUS HYPERPLASIA, drug therapy/ *THYMUS HYPERPLASIA, radiography

Matsuyama S, Coindet J, Mouret J: 6-Hydroxydopamine intracisternale et sommeil chez le rat.
Brain Res 57:85-95, 16 Jul 73 (Fre)
ANIMAL EXPERIMENTS/ ATTENTION/ BRAIN, metabolism/ CIRCADIAN RHYTHM/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ *HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ RATS/ SEROTONIN, metabolism/ *SLEEP, drug effects/ SLEEP, REM, drug effects/ *SLEEP STAGES/ TIME FACTORS

Matthiesen T, Messow C: Histologische Befunde an Rattenschilddrüsen nach Verabreichung von Methylthiouracil im Vergleich zu klinischen Parametern.
Arzneim Forsch 22:2121-3, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ APPETITIVE BEHAVIOR, drug effects/ BIOMETRY/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, drug effects/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ ORGAN WEIGHT/ RATS/ STAINS AND STAINING/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology

Matthysse S, Smith EL, Puck TT, et al: Prospects for research on schizophrenia. VI. Biochemical hypotheses and new techniques.
Neurosci Res Program Bull 10:446-55, Nov 72
BRAIN, metabolism/ CATECHOLAMINES, metabolism/ CELLS, CULTURED/ DOPAMINE, metabolism/ ENDOCRINE DISEASES, metabolism/ HUMAN/ METABOLIC DISEASES, metabolism/ METHYLATION/ RESEARCH/ *SCHIZOPHRENIA, metabolism/ TISSUE CULTURE

Matuchansky C, Bernier JJ: Effect of prostaglandin E 1 on glucose, water, and electrolyte absorption in the human jejunum. Gastroenterology 64:1111-8, Jun 73
ADULT/ *BICARBONATES, metabolism/ *CHLORIDES, metabolism/ *GLUCOSE, metabolism/ HUMAN/ *INTESTINAL ABSORPTION, drug effects/ *JEJUNUM, metabolism/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS, pharmacodynamics/ *SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE, drug effects

2481. **Matveikov GP:** Lechenie khronicheskoi pneumonii.
Ter Arkh 45:16-20, Mar 73 (Rus)
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, administration & dosage/ *ANTIBIOTICS, therapeutic use/ CHRONIC DISEASE/ DIATHERMY/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ OXYGEN INHALATION THERAPY/ PENICILLIN, therapeutic use/ PNEUMONIA, drug therapy/ PNEUMONIA, surgery/ *PNEUMONIA, therapy/ PROCAINE, therapeutic use/ REVIEW/ STREPTOMYCIN, therapeutic use

2482. **Matys Z, Horký K:** Rozvoj steroidní endokrinologie.
Cas Lek Cesk 112:614-6, 18 May 73 (Cze)
ADRENAL CORTEX HORMONES, history/ *ADRENAL CORTEX HORMONES, physiology/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLANDS, physiology/ BREAST NEOPLASMS, drug therapy/ CORTICOTROPIN, secretion/ CZECHOSLOVAKIA/ DESOXYCORTICOSTERONE, secretion/ ENDOCRINOLOGY, history/ ENGLISH ABSTRACT/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ MALE/ NEUROHUMORS, physiology/ NEUROSECRETION/ PROSTATIC DISEASES, drug therapy

2483. **Mauer AM:** X-linked recessive disorders: chronic granulomatous disease and Wiskott-Aldrich syndrome. J Invest Dermatol 60:522-8, Jun 73 (35 ref.)
ALDRICH SYNDROME, complications/ ALDRICH SYNDROME, drug therapy/ *ALDRICH SYNDROME, familial & genetic/ ALDRICH SYNDROME, immunology/ ALDRICH SYNDROME, pathology/ BACTERIAL INFECTIONS, immunology/ BLOOD PLATELET DISORDERS, etiology/ ECZEMA, etiology/ GENES, RECESSIVE/ HUMAN/ PEDIGREE/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, complications/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, diagnosis/ *PHAGOCYTE BACTERICIDAL DYSFUNCTION, familial & genetic/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, immunology/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, therapy/ PHAGOCYTOSIS/ RECURRENCE/ REVIEW/ *SEX CHROMOSOMES/ STAPHYLOCOCCAL INFECTIONS, etiology/ STAPHYLOCOCCAL INFECTIONS, immunology/ THROMBOPENIA, etiology

2484. **Mauvais-Jarvis P, Charransol G:** L'évaluation hormonale de l'androgénicité humaine. Intérêt du dosage de l'androstanediol et de la testostérone urinaires. Nouv Presse Med 2:1565-9, 9 Jun 73 (Fre)
*ACNE, urine/ *ANDROSTANES, urine/ CHROMATOGRAPHY, GAS/ FEMALE/ *HIRSUTISM, urine/ HUMAN/ MALE/ RECEPTORS, HORMONE/ *SEBORRHEA, urine/ STEROLS, urine/ *TESTICULAR FEMINIZATION, urine/ *TESTOSTERONE, urine

2485. **Mavligit GM, Ambus U, Gutterman JU, et al:** Antigen solubilized from human solid tumours: lymphocyte stimulation and cutaneous delayed hypersensitivity.
Nature [New Biol] 243:188-90, 6 Jun 73
*ANTIGENS, NEOPLASM, analysis/ ANTIGENS, NEOPLASM, isolation & purification/ BREAST NEOPLASMS, immunology/ CARCINOMA, immunology/ COLONIC NEOPLASMS, immunology/ FEMALE/ HODGKIN'S DISEASE, immunology/

LIBRARY U. OF L. URBANA-CHAMPAIGN

HUMAN/ *HYPERSENSITIVITY, DELAYED/ IMMUNIZATION/ LIPOSARCOMA, immunology/ LUNG NEOPLASMS, immunology/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, metabolism/ LYMPHOMA, immunology/ MELANOMA, immunology/ NEUROFIBROMA, immunology/ OVARIAN NEOPLASMS, immunology/ SARCOMA, immunology/ SARCOMA, OSTEOGENIC, immunology/ SKIN TESTS/ THYMIDINE, metabolism/ TRITIUM

2486. **Mavliutova MG, Sadykov FG:** Zlokachestvennye opukholi shchitovidnoĭ zhelezy u detef i podrostkov. Khirurgiia (Mosk) 48:24-6, Sep 72 **(Rus)**
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, surgery/ ADOLESCENCE/ *CARCINOMA, diagnosis/ CARCINOMA, surgery/ *CARCINOMA, PAPILLARY, diagnosis/ CARCINOMA, PAPILLARY, surgery/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

2487. **May JD, Kubena LF, Deaton JW, et al:** Thyroid metabolism of chickens. 1. Estimation of hormone concentration by the thyroxine binding globulin technique. Poult Sci 52:688-92, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CHICKENS, metabolism/ METHODS/ *SERUM GLOBULINS, diagnostic use/ SPECTROPHOTOMETRY/ *THYROID GLAND, metabolism/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, diagnostic use/ TRIIODOTHYRONINE, blood

2488. **Mayer P, Schütze E:** Effect of 2-Br- -ergokryptine (CB 154) on lactation in the bitch. Experientia 29:484-5, 15 Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BROMINE/ *DOGS, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ *LACTATION, drug effects/ PROLACTIN, physiology/ *PROLACTIN, secretion

2489. **Mayer SE:** Adrenergic receptors of the heart. Neurosci Res Program Bull 11:201-4, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ GLYCOGEN PHOSPHORYLASE, metabolism/ HEART, physiology/ *MYOCARDIUM, drug effects/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ PERFUSION/ PROTEIN KINASE, metabolism/ RATS/ RECEPTORS, ADRENERGIC/ TIME FACTORS

2490. **Mayne JG:** Planning a treatment program for rheumatoid arthritis. Geriatrics 28:92-7, Jun 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIMALARIALS, adverse effects/ ANTIMALARIALS, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, surgery/ *ARTHRITIS, RHEUMATOID, therapy/ AUROTHIOGLUCOSE, therapeutic use/ BRACES/ CRUTCHES/ GOLD THIOMALATE, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ JOINT PROSTHESIS/ PHYSICAL THERAPY/ REST/ SHOES

2491. **Mechev DS, Kindzel'skiĭ LP, Zarkevich NF:** Issledovanie kostnoĭ sistemy s Ga67. Med Radiol (Mosk) 18:8-12, Mar 73 **(Rus)**
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ BONE MARROW, metabolis BONE NEOPLASMS, diagnosis/ GALLIU blood/ GALLIUM, diagnostic use/ *GAL metabolism/ HUMAN/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIV metabolism/ LUNG, metabolism/ MICE/ MYOCARDIUM, metabolism/ PITUITAR GLAND, metabolism/ RADIOISOTOPE SCANNING/ RADIOISOTOPES, blood/ RADIOISOTOPES, diagnostic use/ *RADIOISOTOPES, metabolism/ RATS/ SPLEEN, metabolism/ THYROID GLAN metabolism

2492. **Medeiros Neto GA de:** Terapêutica do hipotir resultados da associação de tiroxina e triiodo Rev Assoc Med Bras 19:25-32, Jan 73
ADMINISTRATION, ORAL/ CHILD/ CH PRESCHOOL/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HU *HYPOTHYROIDISM, drug therapy/ IN MALE/ METHODS/ THYROXINE, administration & dosage/ *THYROXINE therapeutic use/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, therapeutic use

2493. **Medina D:** Serial transplantation of carcinoge mammary nodule outgrowths. 3. Dissoci carcinogen-induced cell variants by dose and structure of carcinogen.
J Natl Cancer Inst 50:1555-9, Jun 73
ANIMAL EXPERIMENTS/ DOSE-RESPO RELATIONSHIP, DRUG/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemi induced/ *METHYLCHOLANTHRENE/ METHYLCHOLANTHRENE, administrat dosage/ MICE/ MICE, INBRED BALB NEOPLASM TRANSPLANTATION/ PITUITARY GLAND, transplantation/ STRUCTURE-ACTIVITY RELATIONSHI TRANSPLANTATION, HOMOLOGOUS

2494. **Meema S, Reid DB, Meema HE:** Age trend mineral mass, muscle width, and subcutane normals and osteoporotics.
Calcif Tissue Res 12:101-12, 9 May 73
ADIPOSE TISSUE, anatomy & histolo ADIPOSE TISSUE, pathology/ *ADIPO TISSUE, radiography/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *AG ANTHROPOMETRY/ BONE AND BON anatomy & histology/ BONE AND BO pathology/ *BONE AND BONES, radio FEMALE/ HUMAN/ MALE/ MIDDLE MUSCLES, anatomy & histology/ MUS pathology/ *MUSCLES, radiography/ OSTEOPOROSIS, pathology/ OSTEOPO radiography/ RADIUS, radiography/ SI FACTORS

2495. **Meerson FZ, Krants D, Sadyraliev TS:** Dinami belka v neironakh i glii golovnogo mozga adaptatsii ikh k vysotnoĭ gipoksii. Tsitologiia 15:324-9, Mar 73
*ADAPTATION, PHYSIOLOGICAL/ ALTITUDE/ ANIMAL EXPERIMENTS *ANOXIA, metabolism/ ATMOSPHERI PRESSURE/ AUTORADIOGRAPHY/ * CHEMISTRY/ CEREBRAL CORTEX, metabolism/ ENGLISH ABSTRACT/ ENVIRONMENT, CONTROLLED/ HYPOTHALAMUS, metabolism/ MALE *NEUROGLIA, metabolism/ *NEURON metabolism/ *PROTEINS, biosynthesis PYRAMIDAL TRACTS, metabolism/ R TIME FACTORS/ TRITIUM/ TYROSI

2496. **Meienhofer MC, Carayon P, Gacon G:** Les is la phosphofructokinase humaine. Biochimie 54:1399-403, 1972
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERI CITRATES, pharmacodynamics/ ENGL ABSTRACT/ ERYTHROCYTES, enzym FIBROBLASTS, enzymology/ HEPATO enzymology/ HUMAN/ IMMUNE SERU pharmacodynamics/ *ISOENZYMES/ LEUKEMIA, MYELOCYTIC, enzymolo

LEUKOCYTES, enzymology/ LIVER, enzymology/ MUSCLES, enzymology/ *PHOSPHOFRUCTOKINASE/ PHOSPHOFRUCTOKINASE, antagonists & inhibitors/ PLACENTA, enzymology/ PROTEIN CONFORMATION/ RABBITS/ RABBITS, immunology/ SPECTROPHOTOMETRY

Meier AH, Dusseau JW: Daily entrainment of the photoinducible phases for photostimulation of the reproductive system in the sparrows, Zonotrichia albicollis and Passer domesticus.
Biol Reprod 8:400-10, May 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIRDS/ CIRCADIAN RHYTHM/ CORTICOSTERONE, administration & dosage/ *CORTICOSTERONE, pharmacodynamics/ FEMALE/ FSH, pharmacodynamics/ *GONADS, growth & development/ LH, pharmacodynamics/ MALE/ MODELS, BIOLOGICAL/ ORGAN WEIGHT/ OVARY, drug effects/ OVIDUCTS, drug effects/ *PHOTIC STIMULATION/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ TIME FACTORS

Meier RE: Autoradiographic evidence for a direct retino-hypothalamic projection in the avian brain.
Brain Res 53:417-21, 27 Apr 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ AXOPLASMIC FLOW/ *BIRDS, anatomy & histology/ *HYPOTHALAMUS/ HYPOTHALAMUS, metabolism/ LEUCINE, metabolism/ NEURAL TRANSMISSION/ PIGEONS, anatomy & histology/ PROLINE, metabolism/ *RETINA, innervation/ TRITIUM

Meijer AE: Semipermeable membranes for improving the histochemical demonstration of enzyme activities in tissue sections. 3. Lactate dehydrogenase.
Histochemie 35:165-72, 22 May 73
ADRENAL GLANDS, enzymology/ AGAR/ ANIMAL EXPERIMENTS/ HISTOCYTOCHEMISTRY/ HUMAN/ KIDNEY, enzymology/ *LACTATE DEHYDROGENASE, analysis/ LIVER, enzymology/ *MEMBRANES, ARTIFICIAL/ METHODS/ MICE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ NAD/ PANCREAS, enzymology/ PHENAZINES/ RABBITS/ RATS/ TETRAZOLIUM SALTS/ VITAMIN K

Meikle AW, Klain GJ, Hannon JP: Inhibition of glucose oxidation and fatty acid synthesis in liver slices from fed, fasted and fasted-refed rats by glucagon, epinephrine and cyclic adenosine-3',5'-monophosphate.
Proc Soc Exp Biol Med 143:379-81, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *EPINEPHRINE, pharmacodynamics/ FASTING/ *FATTY ACIDS, biosynthesis/ *GLUCAGON, pharmacodynamics/ *GLUCOSE, metabolism/ *LIVER, metabolism/ MALE/ RATS

Meinertz T, Nawrath H, Scholz H: Influence of cyclization and acyl substitution on the inotropic effects of adenine nucleotides.
Naunyn Schmiedebergs Arch Pharmacol 278:165-78, 1973
ACYLATION/ *ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES/ CYCLIZATION/ FEMALE/ *HEART, drug effects/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

Meinertz T, Nawrath H, Scholz H: Dibutyryl cyclic AMP and adrenaline increase contractile force and 45 Ca uptake in mammalian cardiac muscle.
Naunyn Schmiedebergs Arch Pharmacol 227:107-12, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARDIAC OUTPUT, drug effects/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *HEART, drug effects/ IN VITRO/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ RATS

2503. **Meiniel R:** Activité acétylcholinestérasique surrénalienne chez l'embryon de poulet âgé, dans les conditions normales et après intoxication par le parathion (E.605.
C R Soc Biol (Paris) 166:1293-6, 1972 **(Fre)**
*ACETYLCHOLINESTERASE, metabolism/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ HISTOCYTOCHEMISTRY/ *PARATHION, poisoning/ STAINS AND STAINING

2504. **Meissner G, Fleischer S:** Ca 2+ uptake in reconstituted sarcoplasmic reticulum vesicles.
Biochem Biophys Res Commun 52:913-20, 8 Jun 73
BINDING SITES/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CENTRIFUGATION, ZONAL/ DEOXYCHOLIC ACID/ DIALYSIS/ ELECTROPHORESIS, DISK/ MACROMOLECULAR SYSTEMS/ MEMBRANES, metabolism/ MICROSCOPY, ELECTRON/ MUSCLES, cytology/ MUSCLES, metabolism/ PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ *SARCOPLASMIC RETICULUM, metabolism/ SOLUBILITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ ULTRAFILTRATION

2505. **Meissner LF, Chuprevich TW, Inhorn SL:** Nucleotide specificity of Giemsa banding.
Lancet 2:94-5, 14 Jul 73
CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 16-18/ HUMAN/ *KARYOTYPING/ METHODS/ *NUCLEOTIDES/ SEX CHROMOSOMES/ *STAINS AND STAINING

2506. **Meistrich ML, Bruce WR, Clermont Y:** Cellular composition of fractions of mouse testis cells following velocity sedimentation separation.
Exp Eye Res 79:213-27, Apr 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CELL NUCLEUS/ *CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM/ DEOXYRIBONUCLEASE/ ERYTHROCYTES/ HISTOLOGICAL TECHNICS/ LEYDIG CELLS, cytology/ MACROPHAGES, cytology/ MALE/ MICE/ MICE, INBRED STRAINS/ MICROSCOPY, PHASE CONTRAST/ SERTOLI CELLS, cytology/ SERUM ALBUMIN, BOVINE/ SPERMATOZOA, cytology/ *TESTIS, cytology/ TRYPSIN

2507. **Mejer LE, Blanchard RC:** Fluorometric determination of plasma 11-hydroxycorticosteroids. II. Studies on the specificity of the method.
Clin Chem 19:718-24, Jul 73
CHOLESTEROL, blood/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ ESTRADIOL, blood/ ESTRONE, blood/ EVALUATION STUDIES/ FATTY ACIDS, NONESTERIFIED, blood/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ PHOSPHOLIPIDS, blood/ PLASMA, analysis/ TRIGLYCERIDES, blood

2508. **Mejer LE, Blanchard RC:** Fluorometric determination of plasma 11-hydroxycorticosteroids. I. Rapid procedure for clinical screening.
Clin Chem 19:710-7, Jul 73
BLOOD DONORS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *11-HYDROXYCORTICOSTEROIDS, blood/

U. OF I., URBANA-CHAMPAIGN

MASS SCREENING/ METHODS/ OSMOLAR CONCENTRATION/ SODIUM HYDROXIDE/ TIME FACTORS/ TRITIUM

2509. **Melander A:** Bioassay of calcitonin by determinations of blood calcium-45 levels in rats and mice. Acta Endocrinol (Kbh) 73:69-79, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, DIETARY/ CALCIUM ISOTOPES/ CARCINOMA/ CATS/ CHICKENS/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INSULIN, pharmacodynamics/ MALE/ MICE/ RATS/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, analysis/ THYROCALCITONIN, pharmacodynamics/ THYROID GLAND/ THYROID NEOPLASMS/ THYROTROPIN, pharmacodynamics/ THYROXINE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics/ ULTIMOBRANCHIAL BODY

2510. **Melander A, Sundler F, Westgren U:** Intrathyroidal amines and the synthesis of thyroid hormone. Endocrinology 93:193-200, Jul 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ IN VITRO/ IODINE, metabolism/ IODINE ISOTOPES/ ISOPROTERENOL, pharmacodynamics/ MICROSCOPY, FLUORESCENCE/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, pharmacodynamics/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROXINE, biosynthesis

2511. **Melich O, Simko J, Cisiák I:** Vylučovanie estriolu močom u gravidných s metrorágiou v druhej polovici gravidity. Cesk Gynekol 38:332-4, Jun 73 (Slo)
*ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *METRORRHAGIA, urine/ PREGNANCY/ *PREGNANCY COMPLICATIONS, urine/ TIME FACTORS

2512. **Melicow MM, Uson AC, Veenema RJ:** Malignant non-functioning pheochromocytoma of the organ of Zuckerkandl masquerading as a primary carcinoma of the prostate with metastases. J Urol 110:97-103, Jul 73
ACID PHOSPHATASE, blood/ AUTOPSY/ BLADDER NEOPLASMS, pathology/ *CARCINOMA, diagnosis/ *CHROMAFFIN SYSTEM/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ LIVER NEOPLASMS, pathology/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, pathology/ *PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, pathology/ SPINAL NEOPLASMS, pathology

2513. **Melik-Alaverdian NI, Kagramanian RG, Khachatrian ML, et al:** [Comparative evaluation of the treatment of dysfunctional uterine hemorrhages based on data from the Armenian Institute of Obstetrics and Gynecology] Zh Eksp Klin Med 12:86-93, 1972 (Arm)
ADOLESCENCE/ ADULT/ ANDROGENS, therapeutic use/ ARMENIA/ CHILD/ DRUG COMBINATIONS/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ PROGESTERONE, therapeutic use/ *SEX HORMONES, therapeutic use/ *UTERINE HEMORRHAGE, drug therapy/ UTERINE HEMORRHAGE, etiology

2514. **Ménagé JJ:** Endocrinopathies para-néoplasiques. Rev Prat 23:941-52, 21 Feb 73 (Fre)
CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, metabolism/ GYNECOMASTIA, metabolism/ HORMONES, ECTOPIC/ HYPERCALCEMIA, metabolism/ MSH, secretion/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ SPECIAL LIST FOREIGN VASOPRESSIN, secretion

2515. **Ménard S, Colnaghi MI, Cornalba G:** Immuno and immunosensitivity of urethane-induced lung adenomata, in relation to the immun impairment of the primary tumour hos Br J Cancer 27:345-50, May 73
ADENOMA, chemically induced/ *ADEN immunology/ ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS/ COR pharmacodynamics/ CROSS REACTIONS CYTOTOXICITY TESTS, IMMUNOLOGI FEMALE/ HEMOLYTIC PLAQUE TECH *IMMUNITY, drug effects/ IMMUNITY, CELLULAR, drug effects/ LUNG NEOPLASMS, chemically induced/ *LU NEOPLASMS, immunology/ MALE/ MI MICE, INBRED BALB C/ NEOPLASMS EXPERIMENTAL/ SPLEEN, immunolog *URETHANE

2516. **Menchaca Montano JM, García Revalder** Centelleograma y nódulo del tiroides (análi casos.
Rev Clin Esp 129:169-72, 30 Apr 73
ENGLISH ABSTRACT/ FEMALE/ *GO diagnosis/ HUMAN/ MALE/ METHODS *RADIOISOTOPE SCANNING/ *THYRO NEOPLASMS, diagnosis

2517. **Mendel C, Kedinger M, Haffen K, et al:** Hyper hydrostatiques et survie d'organes embryon poulet. Effet de la vitesse de compre C R Acad Sci [D] (Paris) 676:817-20, 29 Jan
ANIMAL EXPERIMENTS/ *ATMOSPHI PRESSURE/ CELL DIFFERENTIATION CHICK EMBRYO/ FEMALE/ *GONADS embryology/ GONADS, enzymology/ G transplantation/ HYDROSTATIC PRES HYDROXYSTEROID DEHYDROGENAS analysis/ *INTESTINES, embryology/ INTESTINES, transplantation/ *LIVER embryology/ LIVER, transplantation/ MEIOSIS/ *PRESSURE/ TIME FACTO TISSUE CULTURE/ TRANSPLANTAT HOMOLOGOUS

2518. **Mendelson IS, Anderson KM:** Rat mamm nuclear RNA polymerases in late pregn lactation. Biochim Biophys Acta 299:576-87,
ADENOSINE CYCLIC 3',5' MONOPHO ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPER CASTRATION/ CELL NUCLEOLUS, enzymology/ CELL NUCLEUS, enzym CHROMATOGRAPHY, ION EXCHANG CORTISONE, pharmacodynamics/ DEP CHEMICAL/ ENZYME ACTIVATION/ ESTRADIOL, pharmacodynamics/ FEM *LACTATION/ MAMMAE, cytology/ drug effects/ *MAMMAE, enzymology MYCOTOXINS/ OVARY, physiology/ *PREGNANCY/ RATS/ *RNA POLYM RNA POLYMERASE, antagonists & RNA POLYMERASE, isolation & pur TRITIUM

2519. **Mendelson J, Freed WJ:** Do rats term hypothalamic stimulation only in order to again? Behav Biol 8:619-28, May 73
ANIMAL EXPERIMENTS/ DISCRIMI LEARNING/ ELECTRIC STIMULATI ELECTRODES, IMPLANTED/ HOUSI ANIMAL/ *HYPOTHALAMUS, physio LOCOMOTION/ MALE/ *PUNISHMEN RATS/ REINFORCEMENT SCHEDUL *REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS/ TIME F

2520. **Mengeling WL:** Porcine coronaviruses: co- cell cultures with transmissible gastroent and hemagglutinating encephalomyeliti Am J Vet Res 34:779-83, Jun 73
CELLS, CULTURED/ CYTOPATHOG EFFECT, VIRAL/ EMBRYO/ ENCEPHALOMYELITIS, microbiology *ENCEPHALOMYELITIS, veterinary/ FLUORESCENT ANTIBODY TECHN *GASTROENTERITIS, TRANSMIS-

SWINE, microbiology/ HEMADSORPTION/ IMMUNE SERUMS/ KIDNEY/ *PARAMYXOVIRUSES, growth & development/ PARAMYXOVIRUSES, immunology/ PARAMYXOVIRUSES, isolation & purification/ SWINE/ THYROID GLAND/ *VERTEBRATE VIRUSES, UNCLASSIFIED, growth & development/ VERTEBRATE VIRUSES, UNCLASSIFIED, immunology/ VERTEBRATE VIRUSES, UNCLASSIFIED, isolation & purification/ VIRAL INTERFERENCE/ VIRUS REPLICATION

Menisov AK: Vplyv adrenalinu i adrenoksylu na vmist katekholaminiv, neesteryfikovanykh zhyrnykh kyslot i aktyvnist' lipazy v tkanynakh shchuriv.
Ukr Biokhim Zh 44:391-4, 1972 **(Ukr)**
ADRENAL GLANDS, analysis/ *ADRENOCHROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FLUORESCENCE SPECTROMETRY/ INJECTIONS, SUBCUTANEOUS/ *LIPASE, blood/ LIPID MOBILIZATION/ LIVER, analysis/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ RATS/ SEMICARBAZONES, pharmacodynamics

Menisov AK: Vliianie ingibitora monoaminoksidazy iproniazida na zhirovoi obmen i dinamkiu katekholaminov v tkaniakh.
Vopr Med Khim 19:134-5, Mar-Apr 73 **(Rus)**
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CALORIMETRY/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, physiology/ FLUORESCENCE SPECTROMETRY/ INJECTIONS, SUBCUTANEOUS/ *IPRONIAZID, pharmacodynamics/ LIPASE, blood/ *LIPID MOBILIZATION, drug effects/ LIVER, analysis/ MALE/ *MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ MUSCLES, analysis/ MYOCARDIUM, analysis/ RATS

Menon KM, Jaffe RB: Chorionic gonadotropin sensitive adenylate cyclase in human term placenta.
J Clin Endocrinol Metab 36:1104-9, Jun 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ CARBON ISOTOPES/ FEMALE/ FLUORIDES/ GONADOTROPINS, CHORIONIC/ HUMAN/ IN VITRO/ MAGNESIUM/ *PLACENTA, enzymology

Menyé PA, Ouiminga RM, Sakho A: Etude comparée de la sensibilité thérapeutique des cancers ulcérés et non ulcérés du sein chez la femme noire au Sénégal.
Bull Soc Med Afr Noire Lang Fr 17:476-80, 1972 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ ETHNIC GROUPS/ FEMALE/ HUMAN/ MIDDLE AGE/ SEX HORMONES, therapeutic use/ THIO-TEPA, therapeutic use/ ULCER, etiology/ *ULCER, therapy

Mepham TB, Beck NF: Variation in the yield and composition of milk throughout lactation in the guinea pig (Cavia porcellus).
Comp Biochem Physiol [A] 45:273-81, 1 Jun 73
ANIMAL EXPERIMENTS/ FEMALE/ *GUINEA PIGS/ *LACTATION/ LACTOSE, metabolism/ *MILK, metabolism/ MILK PROTEINS, metabolism/ NITROGEN, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ TIME FACTORS

Merimee TJ, Fineberg SE: Defective growth-hormone secretion after maize diets.
Lancet 2:120-2, 21 Jul 73
ADULT/ AMINO ACIDS, administration & dosage/ *CORN, adverse effects/ DEVELOPING COUNTRIES/ *DIET/ DIETARY CARBOHYDRATES, administration & dosage/ DIETARY CARBOHYDRATES, adverse effects/ HUMAN/ MALE/ MUTATION/ NUTRITION DISORDERS, etiology/ NUTRITION DISORDERS, physiopathology/ NUTRITIONAL REQUIREMENTS/ PITUITARY GLAND, physiopathology/ PITUITARY HORMONE RELEASING FACTORS/ *SOMATOTROPIN, secretion

2527. **Merkley JW, Fry JL, Harms RH, et al:** Characterization of follicles from hens of a normal and a blood-spot strain.
Poult Sci 52:116-21, Jan 73
ANIMAL EXPERIMENTS/ *CHICKENS/ FEMALE/ *GRAAFIAN FOLLICLE, blood supply/ HEMORRHAGE/ *OVUM/ PHENOTYPE/ SPECIES SPECIFICITY

2528. **Mermet-Bouvier R, Abillon E:** Ergosterol photoisomerization reaction scheme.
J Pharm Sci 62:891-4, Jun 73
CHROMATOGRAPHY, GAS/ ERGOSTEROL, radiation effects/ ISOMERISM/ KINETICS/ MATHEMATICS/ PHOTOCHEMISTRY/ SOLUTIONS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROLS/ TEMPERATURE/ ULTRAVIOLET RAYS/ *VITAMIN D, radiation effects

2529. **Merz WE, Hilgenfeldt U, Brockerhoff P, et al:** The time course of recombination of human chorionic gonadotropin subunits studied with immunological methods, circular-dichroic measurements and bioassay.
Eur J Biochem 35:297-306, Jun 73
ANTIGENIC DETERMINANTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, THIN LAYER/ CIRCULAR DICHROISM/ FEMALE/ GEL DIFFUSION TESTS/ GOATS, immunology/ *GONADOTROPINS, CHORIONIC/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ MACROMOLECULAR SYSTEMS/ MALE/ PROSTATE/ RABBITS, immunology/ STRUCTURE-ACTIVITY RELATIONSHIP

2530. **Mestechkina AIa, Iatsyk MI, Mishunina TM:** Vplyv hidrokortyzonu na aktyvnist' heksokinazy i adenozyntryfosfatay u tkanyni holovnoho mozku kroliv.
Ukr Biokhim Zh 44:633-7, 1972 **(Ukr)**
ADENOSINE TRIPHOSPHATASE, analysis/ *ADENOSINE TRIPHOSPHATASE, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ BRAIN CHEMISTRY/ CELL NUCLEOLUS, analysis/ ENGLISH ABSTRACT/ ENZYME TESTS/ HEXOKINASE, analysis/ *HEXOKINASE, physiology/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MALE/ MITOCHONDRIA, analysis/ NADP, analysis/ RABBITS/ TIME FACTORS

2531. **Metzler F Jr, Consigli RA:** Effect of cortisol on neuraminic acid concentration of normal and polyoma-transformed mouse cells in culture.
Trans Kans Acad Sci 75:103-6, 1972
CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ EMBRYO/ *HYDROCORTISONE, pharmacodynamics/ MICE/ *NEURAMINIC ACIDS, analysis/ *POLYOMA VIRUS

2532. **Meyenberg H:** Die Ultraschallechographie in der Abortdiagnostik.
Geburtshilfe Frauenheilkd 33:272-6, Apr 73 **(Ger)**
*ABORTION, diagnosis/ ABORTION, MISSED, diagnosis/ ABORTION, THREATENED, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PREGNANCY/ *ULTRASONICS, diagnostic use

2533. **Meyer CC:** Testosterone concentration in the male chick brain: an autoradiographic survey.
Science 180:1381-3, 29 Jun 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ BRAIN MAPPING/ CEREBELLUM, metabolism/ *CHICKENS/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/

U. OF L. URBANA-CHAMPAIGN

OLFACTORY BULB, metabolism/ SILVER/ STAINS AND STAINING/ SUPERIOR COLLICULUS, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

2534. **Meyer P:** Rôle de l'A.M.P. cyclique dans l'activité mécanique du muscle lisse.
Nouv Presse Med 2:1651-4, 16 Jun 73 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ CALCIUM, metabolism/ CATECHOLAMINES, physiology/ CELL MEMBRANE, enzymology/ MEMBRANE POTENTIALS/ MODELS, BIOLOGICAL/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, physiology/ MYOFIBRILS, metabolism/ MYOFIBRILS, physiology/ PAPAVERINE, pharmacodynamics/ RECEPTORS, HORMONE/ THEOPHYLLINE, pharmacodynamics

2535. **Meyer WE, Coppola JA, Goldman L:** Alkaloid studies. 8. Isolation and characterization of alkaloids of Tabernaemontana heyneana Wall and antifertility properties of coronaridine.
J Pharm Sci 62:1199-201, Jul 73
ALCOHOL, ETHYL/ ALCOHOL, METHYL/ *ALKALOIDS, isolation & purification/ ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CONTRACEPTIVES, ORAL/ ESTROGENS, secretion/ FEMALE/ *FERTILITY, drug effects/ INDOLES, isolation & purification/ OXIDATION-REDUCTION/ PLANTS, MEDICINAL/ PRECIPITATION/ RATS/ UTERUS, drug effects/ UTERUS, secretion

2536. **Mialhe C, Koch B, Bucher B, et al:** Etude de la sécrétion corticotrope au cours de l'hypertrophie compensatrice de la surrénale.
C R Acad Sci [D] (Paris) 276:589-92, 22 Jan 73 **(Fre)**
*ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ FLUOROMETRY/ RATS/ STRESS

2537. **Michael CM:** Prostaglandins in swine testes.
Lipids 8:92-3, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ MALE/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SWINE/ *TESTIS, analysis/ TRITIUM

2538. **Michael WR, Wakim JM:** Effect of trisodium nitrilotriacetate (Na 3 NTA) on the metabolism of selected metal ions.
Toxicol Appl Pharmacol 24:519-29, Apr 73
*ACETIC ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, metabolism/ CARBONIC ANHYDRASE, metabolism/ ERYTHROCYTE COUNT/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INTESTINAL ABSORPTION, drug effects/ IRON, metabolism/ KIDNEY, enzymology/ LEUKOCYTE COUNT/ MALE/ *METALS, metabolism/ NITRILOTRIACETIC ACID, pharmacodynamics/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SODIUM, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ URINATION, drug effects/ ZINC, metabolism

2539. **Michalska L, Wróbel J, Niemiro R:** Phosphate and vitamin D sensitive movement of calcium in rat distal ileum. Acta Biochim Pol 19:333-9, 1972
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DACTINOMYCIN, pharmacodynamics/ DUODENUM, metabolism/ FEMALE/ *ILEUM, metabolism/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ MALE/ *PHOSPHATES, pharmacodynamics/ RATS/ TEMPERATURE/ VITAMIN D, antago inhibitors/ *VITAMIN D, pharmacodyn

2540. **Michejda JW, Launay AN, Vignais PV:** Anion in beef adrenal cortex mitochondria.
FEBS Lett 32:161-5, 15 May 73
ACETIC ACIDS/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, metab ANIMAL EXPERIMENTS/ BIOLOGICA TRANSPORT/ CARBON ISOTOPES/ C ENERGY TRANSFER/ GLYCOLS/ HYDROGEN-ION CONCENTRATION/ *KETOGLUTARIC ACID, metabolism/ KINETICS/ LIGHT/ *MALATES, meta MEMBRANES, metabolism/ *MITOCH metabolism/ MITOCHONDRIAL SWEL NAD, metabolism/ NADP, metabolism OXIDATION-REDUCTION/ PHOSPHAT metabolism/ PHOSPHORUS ISOTOPE SCATTERING/ SERUM ALBUMIN, B SPECTROPHOTOMETRY, ULTRAVIOL *SUCCINATES, metabolism

2541. **Michell AR:** Changes in voluntary sodium int the oestrous cycle of sheep.
J Physiol (Lond) 231:42P-44P, May 7
ANIMAL EXPERIMENTS/ BICARBON *ESTRUS/ FEMALE/ FOOD PREFER PERIODICITY/ PROGESTERONE, blo *SHEEP, metabolism/ *SODIUM, met SODIUM CHLORIDE/ WATER

2542. **Michener GR:** Maternal behaviour in R ground squirrel (Spermophilus richard richardsonii): retrieval of young by n females. Anim Behav 21:157-9, Feb 7
AGGRESSION/ ANIMAL EXPERIME ANIMALS, NEWBORN/ FEMALE/ G HOUSING, ANIMAL/ *LACTATION/ *MATERNAL BEHAVIOR/ NESTING BEHAVIOR/ *PARITY/ PREGNANCY *SQUIRRELS

2543. **Michlmayr G, Huber C, Judmaier G,** behandlung von aplastischen Anämien mit Oxymetholon.
Dtsch Med Wochenschr 98:1026-8 passim

ADULT/ AGED/ ALANINE AMINOTRANSFERASE, blood/ ALK PHOSPHATASE, blood/ *ANEMIA, drug therapy/ ASPARTATE AMINOTRANSFERASE, blood/ BLO PLATELETS, drug effects/ BONE CELLS, drug effects/ EDEMA, che induced/ ENGLISH ABSTRACT/ EV STUDIES/ FEMALE/ FOLLOW-UP HEMOGLOBIN/ HUMAN/ JAUNDIC chemically induced/ LEUKOCYTES, effects/ MALE/ MIDDLE AGE/ OXYMETHOLONE, adverse effects/ OXYMETHOLONE, pharmacodynamic *OXYMETHOLONE, therapeutic use REMISSION/ RETICULOCYTES, dru TIME FACTORS/ VIRILISM, chemi induced

2544. **Mićić R, Krstić S, Jelačić O, et al:** Pseudohiperparatireodizam.
Srp Arh Celok Lek 100:1017-31, Sep
ADENOCARCINOMA, complications/ BRONCHIAL NEOPLASMS, complic ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, etiology NEOPLASMS, complications/ MALE AGE

2545. **Middleditch BS, Desiderio DM:** Mass prostaglandins. 3. Trimethylsilyl and oxime-trimethylsilyl derivatives of pros the E series. J Org Chem 38:2204-9
ALKYLATION/ MASS SPECTRUM METHODS/ METHYLATION/ *OXI analysis/ *PROSTAGLANDINS, anal

2546. **Middleton E Jr:** Autonomic imbalance in special reference to beta adrenergi
Adv Intern Med 18:177-97, 1972 (9

ACETYLCHOLINE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, physiology/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASTHMA, classification/ *ASTHMA, etiology/ ASTHMA, physiopathology/ BLOOD SUGAR/ BRADYKININ/ *BRONCHI, innervation/ BRONCHI, physiopathology/ CATECHOLAMINES, physiology/ *CHEMORECEPTORS/ DISEASE MODELS, ANIMAL/ EPINEPHRINE, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ HISTAMINE/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MODELS, BIOLOGICAL/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, physiology/ PROSTAGLANDINS/ *RECEPTORS, ADRENERGIC/ REVIEW/ SEROTONIN/ SRS-A/ THEOPHYLLINE, pharmacodynamics

dgett RJ, Spielvogel AM, Coburn JW, et al: Studies on alciferol metabolism. VII. The renal production of he biologically active form of vitamin D, ,25-dihydroxycholecalciferol; species, tissue and ubcellular distribution.
Clin Endocrinol Metab 36:1153-61, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ *CHOLECALCIFEROL, biosynthesis/ DOGS/ HUMAN/ INTESTINES, metabolism/ *KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism/ MALE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ RATS/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

hara T, Shimoyama S, Morita S, et al: [Activity of rythrocyte glucose-6-phosphate dehydrogenase in yperthyroidism--effects of treatment]
olia Endocrinol Jap 49:691-7, 20 Apr 73 (Jap)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ *ERYTHROCYTES, enzymology/ FEMALE/ FOLLOW-UP STUDIES/ *GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, enzymology/ HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, therapeutic use/ MALE/ METHIMAZOLE, therapeutic use/ MIDDLE AGE/ PROPYLTHIOURACIL, therapeutic use/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND FUNCTION TESTS

kami S, Farner DS, Lewis RA: The prolactin cell of he white-crowned sparrow, Zonotrichia leucophrys getensis. Z Zellforsch Mikrosk Anat 138:455-74, 1973
ANIMAL EXPERIMENTS/ *BIRDS, anatomy & histology/ CORTICOTROPIN/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ GONADOTROPINS, PITUITARY/ HISTOCYTOCHEMISTRY/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PITUITARY GLAND, cytology/ *PROLACTIN, metabolism/ REPRODUCTION/ THYROTROPIN/ TIME FACTORS

kami S, Hashikawa T, Farner DS:
ytodifferentiation of the adenohypophysis of the omestic fowl.
Zellforsch Mikrosk Anat 138:299-314, 17 Apr 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ GOLGI APPARATUS/ HYPOTHALAMUS, embryology/ MICROSCOPY, ELECTRON/ *MORPHOGENESIS/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ TIME FACTORS

thall GR, Sweet LC, Mellinger RC: Parenteral ng-acting corticosteroids: effect on rpothalamic-pituitary-adrenal function.
nn Allergy 31:337-43, Jul 73
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADULT/ ALOPECIA AREATA, drug therapy/ ASTHMA, drug therapy/ BLOOD SUGAR, analysis/ CHILD/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DERMATITIS, ATOPIC, drug therapy/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAMUSCULAR/ INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, drug effects/ PSORIASIS, drug therapy/ TIME FACTORS/ *TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use

2552. **Mikhailov IG: Gistokhimicheskie svoistva "C" kletok iz olidnykh rakov shchitovidnoi zhelezy s amiloidozom stromy.** Vopr Onkol 18:13-8, 1972 (Rus)
ACID PHOSPHATASE, analysis/ ADULT/ ALKALINE PHOSPHATASE, analysis/ AMYLOIDOSIS, enzymology/ *AMYLOIDOSIS, pathology/ BIOGENIC AMINES, analysis/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUTAMATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, analysis/ MALATE DEHYDROGENASE, analysis/ MALE/ MIDDLE AGE/ NADH, NADPH OXIDOREDUCTASES, analysis/ PHOSPHATASES, analysis/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ SUCCINATE DEHYDROGENASE, analysis/ THYROID GLAND, cytology/ THYROID NEOPLASMS, enzymology/ *THYROID NEOPLASMS, pathology

2553. **Miklaszewska M, Zukowski W, Dankiewicz J, et al: Clinical and immunologic aspects of the relation of acquired leukoderma (vitiligo) to thyroid diseases.**
Arch Immunol Ther Exp (Warsz) 20:885-92, 1972
ADENOMA, immunology/ ADOLESCENCE/ ADULT/ AGED/ ANTIBODIES, analysis/ CHILD/ COMPLEMENT FIXATION TESTS/ FEMALE/ GOITER, EXOPHTHALMIC, immunology/ HEMAGGLUTINATION TESTS/ HUMAN/ LATEX FIXATION TESTS/ MALE/ MICROSOMES, immunology/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ THYROID DISEASES, complications/ *THYROID DISEASES, immunology/ THYROID GLAND, immunology/ THYROID NEOPLASMS, immunology/ THYROIDITIS, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology/ VITILIGO, complications/ *VITILIGO, immunology

2554. **Milanov St, Mendizov Iv: Tireotropniiat khormon v patogenezata na retsidivnite strumi.**
Vutr Boles 12:49-53, 1973 (Bul)
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, etiology/ GOITER, surgery/ HUMAN/ MALE/ MICE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RECURRENCE/ THYROIDECTOMY/ *THYROTROPIN, blood/ TIME FACTORS

2555. **Miles RM, Flowers BF, Parsons HL, et al: Some surgical implication of the anatomy of the cava-iliofemoral system.**
Ann Surg 177:740-7, Jun 73
ADOLESCENCE/ ADULT/ AGED/ EMBOLISM, etiology/ FEMALE/ *FEMORAL VEIN, anatomy & histology/ GONADS, blood supply/ HUMAN/ *ILIAC VEIN, anatomy & histology/ LUMBOSACRAL REGION, blood supply/ MALE/ MIDDLE AGE/ RENAL VEINS, abnormalities/ RENAL VEINS, anatomy & histology/ SAPHENOUS VEIN, anatomy & histology/ THROMBOPHLEBITIS, diagnosis/ VEINS, abnormalities/ VENA CAVA, INFERIOR, abnormalities/ *VENA CAVA, INFERIOR, anatomy & histology/ VENA CAVA, INFERIOR, surgery

2556. **Miliaressis E, Cardo B: Self-stimulation versus food reinforcement: comparative study of two different nervous structures, the lateral hypothalamus and the ventral tegmental area of the mesencephalon.**
Brain Res 57:75-83, 16 Jul 73
ANIMAL EXPERIMENTS/ APPETITIVE

U. OF L. URBANA-CHAMPAIGN

BEHAVIOR/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR/ FOOD DEPRIVATION/ *HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *REINFORCEMENT (PSYCHOLOGY)/ REWARD/ SATIATION/ *SELF STIMULATION/ TEGMENTUM MESENCEPHALI, physiology

2557. **Milković K, Paunović J, Kniewald Z, et al:** Maintenance of the plasma corticosterone concentration of adrenalectomized rat by the fetal adrenal glands. Endocrinology 93:115-8, Jul 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ *CORTICOSTERONE, blood/ FEMALE/ FETUS/ MATERNAL-FETAL EXCHANGE/ OVARY, physiology/ PLACENTA, physiology/ PREGNANCY/ RATS/ UTERUS, physiology

2558. **Miller BG:** Effects of progesterone of the synthesis of ribonucleic acids in the uterus. Biochim Biophys Acta 299:568-75, 11 Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CYTIDINE, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ KINETICS/ METHIONINE, metabolism/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ RNA, TRANSFER, biosynthesis/ STIMULATION, CHEMICAL/ TRITIUM/ URIDINE, metabolism/ UTERUS, drug effects/ *UTERUS, metabolism

2559. **Miller EJ:** A review of biochemical studies on the genetically distinct collagens of the skeletal system. Clin Orthop 92:260-80, May 73 (83 ref.)
ALANINE, analysis/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ARGININE, analysis/ ASPARTIC ACID, analysis/ *BONE AND BONES, analysis/ CARTILAGE, ARTICULAR, analysis/ *COLLAGEN, analysis/ GLUTAMATES, analysis/ HOMOSERINE, analysis/ HYDROXYPROLINE, analysis/ LEUCINE, analysis/ PEPTIDES, analysis/ PHENYLALANINE, analysis/ PROLINE, analysis/ RATS/ REVIEW/ SERINE, analysis/ THREONINE, analysis/ VALINE, analysis

2560. **Miller HC, Alexander JW:** Protective effect of methylprednisolone against ischemic injury to the kidney. Transplantation 16:57-60, Jul 73
ANIMAL EXPERIMENTS/ CADAVER/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ISCHEMIA, prevention & control/ *KIDNEY, blood supply/ KIDNEY, transplantation/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, pharmacodynamics/ TIME FACTORS/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS

2561. **Miller HC, Alexander JW, Smith EJ:** Evaluation of kidney-preservation methods. Lancet 1:880-1, 21 Apr 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS/ CADAVER/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *KIDNEY, transplantation/ METHODS/ METHYLPREDNISOLONE/ *TISSUE PRESERVATION/ TISSUE SURVIVAL/ TRANSPLANTATION, HOMOLOGOUS

2562. **Miller JR:** Dermatoglyphics. J Invest Dermatol 60:435-42, Jun 73 (40 ref.)
ANIMAL EXPERIMENTS/ BABOONS/ CAUCASIAN RACE/ *DERMATOGLYPHICS/ FINGERS/ FOOT/ HAND/ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ KLINEFELTER'S SYNDROME, pathology/ MONGOLISM, familial & genetic/ MONGOLISM, pathology/ MONGOLOID RACE/ MONKEYS/ NAILS, abnormalities/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ SKIN, abnormalities/ SKIN, anatomy & histology/ SKIN, embryology/ SKIN, growth & development/ SKIN, pathology/ SYNDACTYLIA, familial & genetic/ SYNDACTYLIA, pathology/ TURNER'S SYNDROME, familial & genetic/ TUR SYNDROME, pathology

2563. **Miller ME, Norman ME, Koblenzer PJ, et** familial defect of neutrophil movemen J Lab Clin Med 82:1-8, Jul 73
ANTIGEN-ANTIBODY COMPLEX/ CE MOVEMENT/ CHEMOTAXIS/ CHILD/ EPINEPHRINE, pharmacodynamics/ F HUMAN/ HYDROCORTISONE, pharmacodynamics/ ICHTHYOSIS, complications/ INFLAMMATION/ LEU COUNT/ LEUKOCYTES, physiology/ *NEUTROPHILS/ NEUTROPHILS, drug effects/ NEUTROPHILS, immun PHAGOCYTE BACTERICIDAL DYSFU complications/ *PHAGOCYTE BACTE DYSFUNCTION, familial & genetic/ PHAGOCYTE BACTERICIDAL DYSFU immunology/ PHAGOCYTOSIS/ PNEU etiology/ RECURRENCE/ STAPHYLO TINEA, etiology

2564. **Miller OJ, Miller DA, Warburton D:** Applicat staining techniques to the study of chromosomes. Prog Med Genet 9:1-47, 197
AUTOSOME ABNORMALITIES, diagn BASE SEQUENCE/ BURKITT'S LYM CELL LINE/ CHROMOSOME ABERR CHROMOSOME MAPPING/ *CHROMO DNA/ DNA REPLICATION/ EVALUA STUDIES/ FLUORESCENT ANTIBOD TECHNIC/ FLUORESCENT DYES/ H CELLS/ HUMAN/ HYBRIDIZATION/ KARYOTYPING/ MEIOSIS/ PEPTIDE HYDROLASES, pharmacodynamics/ P BINDING/ PROTEINS, pharmacodyna QUINACRINE, diagnostic use/ QUIN pharmacodynamics/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, di *STAINS AND STAINING/ TRISOMY

2565. **Miller RD, Stevens WC, Way WL:** The effe failure and hyperkalemia on the dur pancuronium neuromuscular blockade Anesth Analg (Cleve) 52:661-6, Jul-A
ADULT/ AGED/ *ANDROSTANES, pharmacodynamics/ BODY SURFACE CARBON DIOXIDE, blood/ CREATIN blood/ *CURARE-LIKE AGENTS, pharmacodynamics/ HUMAN/ *HYPERKALEMIA, physiopathology/ FAILURE, CHRONIC, physiopatholog MIDDLE AGE/ *MUSCLE CONTRAC drug effects/ NEURAL TRANSMISS effects/ NEUROMUSCULAR DEPOL AGENTS/ NEUROMUSCULAR JUNC drug effects/ PANCURONIUM, admi & dosage/ PANCURONIUM, pharmacodynamics/ POTASSIUM, blo TEMPERATURE/ TIME FACTORS

2566. **Miller RW, Pickens LG, Morgan NO, et a** stable flies on feed intake and milk pr dairy cows. J Econ Entomol 66:711-3
ANIMAL EXPERIMENTS/ ANIMAL *CATTLE, physiology/ *DIPTERA/ *LACTATION

2567. **Miller TB Jr, Hazen R, Larner J:** A requirement for insulin in the control glycogenesis by glucose. Biochem Biophys Res Commun 53:466-7
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALLOXAN DIA enzymology/ ANIMAL EXPERIMENT AUTOANALYSIS/ CARBON ISOTOP FASTING/ GLUCOSE, pharmacodyna *GLUCOSYLTRANSFERASES, metab GLYCOGEN PHOSPHORYLASE, met GLYCOGEN SYNTHETASE, metabol *INSULIN, metabolism/ LIVER, dru *LIVER, enzymology/ MALE/ PERF RATS/ TIME FACTORS

2568. **Miller WR, McDonald D, Forrest AP, et al:** of androgens by human breast tissu Lancet 1:912-3, 28 Apr 73

ADENOFIBROMA, metabolism/ ADULT/ *ANDROGENS, metabolism/ *BREAST, metabolism/ BREAST NEOPLASMS, enzymology/ BREAST NEOPLASMS, metabolism/ CARCINOMA, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ DNA, metabolism/ FEMALE/ HUMAN/ MIDDLE AGE/ TESTOSTERONE, metabolism

illhouse OE: The organization of the ventromedial hypothalamic nucleus. Brain Res 55:71-87, 30 May 73
ANIMAL EXPERIMENTS/ APPETITE/ AXONS/ DENDRITES/ FEEDING BEHAVIOR/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, physiology/ MICE/ NEURAL INTERCONNECTIONS/ NEURONS, AFFERENT/ RATS/ SYNAPSES

illhouse OE: Certain ventromedial hypothalamic afferents. Brain Res 55:89-105, 30 May 73
ANIMAL EXPERIMENTS/ AXONS/ DENDRITES/ FEEDING BEHAVIOR/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ MAMMILLARY BODIES, anatomy & histology/ MICE/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ RATS/ SYNAPTIC VESICLES/ THALAMUS, anatomy & histology

illigan WL, Powell DA: Sexual variables and hock-elicited aggression.
Comp Physiol Psychol 83:441-50, Jun 73
*AGGRESSION/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ *ELECTROSHOCK/ EXPLORATORY BEHAVIOR/ FEMALE/ HOUSING, ANIMAL/ LOCOMOTION/ MALE/ RATS/ SEX FACTORS/ SPECIES SPECIFICITY/ TESTOSTERONE, pharmacodynamics

ills DC: Changes in the adenylate energy charge in human blood platelets induced by adenosine diphosphate. Nature [New Biol] 243:220-2, 13 Jun 73
ADENINE, metabolism/ ADENINE NUCLEOTIDES, analysis/ *ADENINE NUCLEOTIDES, metabolism/ ADENOSINE DIPHOSPHATE, analysis/ *ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ BLOOD PLATELET DISORDERS, metabolism/ BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CARBON ISOTOPES/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ PLATELET ADHESIVENESS, drug effects/ SEROTONIN, pharmacodynamics

ms RB, Stein RB, Bethune JE: The effect of a single ose of L-dopa on pituitary hormones in acromegaly, besity, and in normal subjects.
Clin Endocrinol Metab 37:34-9, Jul 73
*ACROMEGALY, blood/ ADULT/ BLOOD SUGAR, metabolism/ *DOPA, pharmacodynamics/ FEMALE/ *FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, diagnostic use/ IODINE ISOTOPES/ *LH, blood/ MALE/ MIDDLE AGE/ OBESITY, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TIME FACTORS

ncey EK, Archibald EL, Lyster DM, et al: Development of a single, simple in vitro thyroid unction test. J Nucl Biol Med 16:58-61, Apr-Jun 72
HUMAN/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, analysis/ THYROXINE-BINDING PROTEIN, analysis

ainberg DT, Dattwyler B: Ectopic adrenal tumor resenting as torsion of the spermatic cord in a ewborn infant. J Urol 109:1037-8, Jun 73
*ADRENAL GLANDS/ *CHORISTOMA, diagnosis/ CHORISTOMA, pathology/ CHORISTOMA, surgery/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE/ *SPERMATIC CORD TORSION, diagnosis/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

2576. **Minkin W, Seliger G, Auerbach R:** Esophageal stenosis in benign mucous membrane pemphigoid.
Ann Otol Rhinol Laryngol 82:384-5, May-Jun 73
AGED/ BLISTER, complications/ DILATATION/ *ESOPHAGEAL STENOSIS, etiology/ ESOPHAGEAL STENOSIS, radiography/ ESOPHAGEAL STENOSIS, therapy/ HUMAN/ MALE/ MUCOUS MEMBRANE/ *PEMPHIGUS, complications/ PEMPHIGUS, drug therapy/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SPINAL DISEASES, chemically induced/ THORACIC VERTEBRAE

2577. **Minkina NA, Chekunova MP, Levina EN:** Sostoianie nadpochechnikov i biogennykh aminov pri vozdeistvii sur'my svintsa.
Gig Tr Prof Zabol 17:21-4, Mar 73 (Rus)
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *ANTIMONY, poisoning/ BIOGENIC AMINES, analysis/ *BIOGENIC AMINES, metabolism/ BRAIN CHEMISTRY/ ENGLISH ABSTRACT/ INJECTIONS, SUBCUTANEOUS/ *LEAD POISONING, metabolism/ MALE/ RATS

2578. **Minkoff L, Damadian R:** Caloric catastrophe.
Biopolymers 13:167-78, Feb 73
*ADENOSINE TRIPHOSPHATE, metabolism/ *BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CALORIMETRY/ CARBON ISOTOPES/ CELL MEMBRANE, metabolism/ DIFFUSION/ ESCHERICHIA COLI, cytology/ ESCHERICHIA COLI, metabolism/ GLYCINE, metabolism/ GLYCOSIDES, metabolism/ KINETICS/ LEUCINE, metabolism/ MAGNESIUM/ MAGNESIUM, metabolism/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ PHOSPHORUS ISOTOPES/ POTASSIUM, metabolism/ RADIOISOTOPES/ TIME FACTORS

2579. **Minkoff L, Damadian R:** Energy requirements of bacterial ion exchange.
Ann NY Acad Sci 204:249-60, 30 Mar 73
ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CALORIMETRY/ CELL COUNT/ CELL MEMBRANE, metabolism/ ENERGY TRANSFER/ *ESCHERICHIA COLI, metabolism/ GLUCOSE, analysis/ GLUCOSE, metabolism/ *ION EXCHANGE/ LEUCINE, metabolism/ MAGNESIUM, metabolism/ MATHEMATICS/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ PHOSPHORUS ISOTOPES/ POTASSIUM, metabolism/ SPECTROPHOTOMETRY/ TIME FACTORS

2580. **Mirkhodzhaev AKh:** Vozmozhnosti kolichestvennoi otsenki obmena iода v organizme.
Med Radiol (Mosk) 18:17-21, Mar 73 (Rus)
ENGLISH ABSTRACT/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MATHEMATICS/ MODELS, BIOLOGICAL/ THYROID GLAND FUNCTION TESTS

2581. **Miscalencu D, Zaharia F, Comisel V:** Action of Hr-18 ascites and of thiamin-treated ascites on the supraoptical and paraventricular nuclei of white rats.
Anat Anz 133:90-6, 1973
ANIMAL EXPERIMENTS/ *CARCINOMA, EHRLICH TUMOR, physiopathology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiopathology/ MALE/ NEURONS/ NEUROSECRETION/ RATS/ THIAMINE, pharmacodynamics

2582. **Misgeld V, Höfer W:** Zur renalen Beteiligung beim System-Erythematodes: Korrelation struktureller und funktioneller Läsionen--prognostische und

U. of I., URBANA-CHAMPAIGN

therapeutische Konsequenzen.
Z Haut Geschlechtskr 48:445-54, Jun 73 (36 ref.) (Ger)
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ GLOMERULAR FILTRATION RATE/ GLOMERULONEPHRITIS, chemically induced/ GLOMERULONEPHRITIS, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ *KIDNEY DISEASES, etiology/ KIDNEY GLOMERULUS, pathology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ PROTEINURIA, chemically induced/ REVIEW

2583. **Mishina KI:** O gormonal'noi podgotovke k tonzillektomii bol'nykh revmatizmom i khronicheskim tonzillitom, lechennykh kortikosteroidami.
Zh Ushn Nos Gorl Bolezn 32:39-41, Mar-Apr 72 (Rus)
*ADRENAL CORTEX HORMONES, therapeutic use/ COMPARATIVE STUDY/ *CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ PREOPERATIVE CARE/ *RHEUMATIC FEVER, complications/ *TONSILLECTOMY/ TONSILLITIS, complications/ TONSILLITIS, surgery/ *TONSILLITIS, therapy

2584. **Mishra RK, Feltham LA:** Effect of adrenalectomy and of adrenocortical hormones on RNA turnover in a variety of subcellular fractions of rat liver.
Can J Biochem 51:920-30, Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ *CORTICOSTERONE, pharmacodynamics/ CYTOCHROME C/ FEMALE/ GLUTAMATE DEHYDROGENASE, pharmacodynamics/ HALF-LIFE/ *HYDROCORTISONE, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OROTIC ACID, metabolism/ RATS/ *RNA, metabolism/ RNA, RIBOSOMAL, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, enzymology/ SUBCELLULAR FRACTIONS, metabolism/ SUCCINATE DEHYDROGENASE, metabolism/ TIME FACTORS/ TRITIUM

2585. **Misic D, Bosse K:** Klinischer Beitrag zur Behandlung von Hämorrhoidalleiden.
Z Allgemeinmed 49:429-30, 31 Mar 73 (Ger)
CLINICAL RESEARCH/ DRUG COMBINATIONS/ FEMALE/ *HEMORRHOIDS, drug therapy/ *HEXACHLOROPHENE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ OINTMENTS/ *PIMARICIN, therapeutic use/ *TROPANES, therapeutic use

2586. **Mitev IP, Kryshkova AM, Angelov AM, et al:** Vliianie metilmerkaptoimidazola na fermentativnuiu aktivnost' v miokarde normal'nykh i tireoidektomirovannykh morskikh svinok.
Ukr Biokhim Zh 45:170-3, Mar-Apr 73 (Rus)
ALANINE AMINOTRANSFERASE, analysis/ ALDOLASE, analysis/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, analysis/ BIUREAS, analysis/ CARBOHYDRATES, metabolism/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATASE, analysis/ GUINEA PIGS/ HYDROXYBUTYRATE DEHYDROGENASE, analysis/ *IMIDAZOLES, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, analysis/ MALATE DEHYDROGENASE, analysis/ *MYOCARDIUM, enzymology/ PROTEINS, analysis/ SPECTROPHOTOMETRY/ *THYROID GLAND, physiology/ THYROIDECTOMY

2587. **Mitnick MA, Valverde C, Reichlin S:** E
synthesis of prolactin-releasing factor (PR
hypothalamic incubates and by extract
hypothalamic tissue: evidence for "PRF syn
Proc Soc Exp Biol Med 143:418-21, Ju
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERI
BIOLOGICAL ASSAY/ CELL FRACTIONATION/ HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, meta
MALE/ *PITUITARY HORMONE REL
FACTORS, biosynthesis/ *PROLACTIN secretion/ PUROMYCIN, pharmacodyn
RATS/ TISSUE EXTRACTS

2588. **Mitouze J, Jaffiol C, Baldet L, et al:** Asso
faibles doses d'iode 131 et d'antithyro
synthése en cure trés prolongée pour le trai
la maladie de Basedow. A propos de 165 ob
Rev Fr Endocrinol Clin 13:339-61, Jul-Au
ADULT/ AGED/ ENGLISH ABSTRAC
FEMALE/ FOLLOW-UP STUDIES/ G
EXOPHTHALMIC, drug therapy/ *GO
EXOPHTHALMIC, drug therapy/ GOI
EXOPHTHALMIC, radiotherapy/ HUM
HYPERTHYROIDISM, etiology/
HYPOTHYROIDISM, etiology/ IODIN
therapeutic use/ *IODINE ISOTOPES
therapeutic use/ MALE/ MIDDLE AG
RADIOTHERAPY, adverse effects/
RADIOTHERAPY DOSAGE/ THYROI
ANTAGONISTS, chem synthesis/ *TH
ANTAGONISTS, therapeutic use/ TH
therapeutic use

2589. **Mitsuma T, Shenkman L, Suphavai A,**
Hypothalamic hypothyroidism: diminishe
response to thyrotropin-releasing hor
Am J Med Sci 265:315-9, Apr 73
ADULT/ ENDOCRINE DISEASES, complications/ FEMALE/ FSH, blood
HUMAN/ HYDROCORTISONE, blood
*HYPOTHALAMUS, physiopathology/
HYPOTHYROIDISM, complications/
*HYPOTHYROIDISM, etiology/
HYPOTHYROIDISM, metabolism/ IO
ISOTOPES/ MALE/ MIDDLE AGE/
PITUITARY GLAND FUNCTION TE
RADIOIMMUNOASSAY/ SOMATOTR
blood/ *THYROID GLAND, drug eff
THYROID GLAND, metabolism/ TH
GLAND FUNCTION TESTS/ THYRO
blood/ *THYROTROPIN RELEASING
pharmacodynamics/ THYROXINE, bl
TRIIODOTHYRONINE, blood

2590. **Mittelman A, Albert DJ, Murphy GP:**
treatment of metastatic renal cell c
JAMA 225:32-5, 2 Jul 73
*ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, surgery/
ADMINISTRATION, ORAL/ ANTINE
AGENTS, administration & dosage/
ANTINEOPLASTIC AGENTS, adver
*ANTINEOPLASTIC AGENTS, thera
CYCLOHEXANE, administration &
CYCLOHEXANE, therapeutic use/
HYPERCALCEMIA, prevention & c
*KIDNEY NEOPLASMS, drug thera
KIDNEY NEOPLASMS, surgery/
LEUKOPENIA, chemically induced/
MIDDLE AGE/ NEOPLASM METAS
NEPHRECTOMY/ NITROSOUREA COMPOUNDS, administration & dos
NITROSOUREA COMPOUNDS, adve
*NITROSOUREA COMPOUNDS, the
use/ REMISSION/ THROMBOPENIA chemically induced

2591. **Mitts TF, Jolley WB, Smith LL:** Gluca
following phosphodiesterase inhibitio
experimental study of the hemodyna
Arch Surg 107:12-5, Jul 73
ADENOSINE CYCLIC 3',5' MONOP metabolism/ ANIMAL EXPERIMEN
PRESSURE, drug effects/ CARDIA
drug effects/ CARDIAC VOLUME, effects/ CENTRAL VENOUS PRES
effects/ DOGS/ DRUG SYNERGISM

GLUCAGON, administration & dosage/ *GLUCAGON, pharmacodynamics/ HEART RATE, drug effects/ HEMATOCRIT/ *HEMODYNAMICS, drug effects/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PYRAZOLES, administration & dosage/ PYRAZOLES, pharmacodynamics/ PYRIMIDINES, administration & dosage/ *PYRIMIDINES, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

Iyachi Y, Chrambach A, Mecklenburg R, et al: Preparation and properties of 125-I-LHRH. Endocrinology 92:1725-30, Jun 73
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FSH, metabolism/ GLUCOSE/ GLUCOSE OXIDASE/ IN VITRO/ *IODINE/ *ISOTOPE LABELING/ *LH/ LH, metabolism/ MALE/ METHODS/ PEROXIDASES/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS

Iyachi Y, Mecklenburg RS, Hansen JW, et al: Metabolism of 125 I-luteinizing hormone-releasing hormone. J Clin Endocrinol Metab 37:63-7, Jul 73
ANIMAL EXPERIMENTS/ BLOOD VOLUME/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ KIDNEY, metabolism/ *LH/ LIVER, metabolism/ MALE/ PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, blood/ *PITUITARY HORMONE RELEASING FACTORS, metabolism/ RATS

Iyamoto R, Helmus C: Hypernephroma metastatic to the head and neck. Laryngoscope 83:898-905, Jun 73
*ADENOCARCINOMA/ ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiography/ ADENOCARCINOMA, surgery/ ADULT/ AGED/ ANDROGENS, therapeutic use/ BRAIN NEOPLASMS/ EAR NEOPLASMS/ FACIAL NEOPLASMS/ FEMALE/ *HEAD/ HUMAN/ LARYNGEAL NEOPLASMS/ MALE/ MIDDLE AGE/ *NECK NEOPLASMS/ NECK NEOPLASMS, diagnosis/ NECK NEOPLASMS, drug therapy/ NECK NEOPLASMS, radiography/ NECK NEOPLASMS, surgery/ NEOPLASM METASTASIS/ PROGESTERONE, therapeutic use/ SKULL NEOPLASMS/ TONSILLAR NEOPLASMS

Iyasaki K, Miyachi Y, Arimitsu K, et al: Post-traumatic hypothalamic obesity--an autopsy case. Acta Pathol Jap 22:779-802, Nov 72
ACCIDENTS, TRAFFIC/ AUTOPSY/ BLOOD SUGAR, analysis/ BODY TEMPERATURE/ *BRAIN INJURIES, ACUTE, complications/ BRAIN INJURIES, ACUTE, pathology/ BRAIN INJURIES, ACUTE, physiopathology/ CORTICOTROPIN, blood/ CORTICOTROPIN, urine/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FRONTAL LOBE, pathology/ GLUCOSE TOLERANCE TEST/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ HYPOGONADISM, pathology/ *HYPOTHALAMUS, physiopathology/ INSULIN, blood/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ OBESITY, etiology/ *OBESITY, pathology/ SOMATOTROPIN, secretion/ TEMPORAL LOBE, pathology/ THALAMUS, pathology

Iyasaki K, Otso Y: [Hypothalamic lesions and its functions in 2 autopsy cases] Folia Endocrinol Jap 49:681-90, 20 Apr 73 (Jap)
ADULT/ AMENORRHEA, etiology/ APPETITE REGULATION/ AUTOPSY/ BODY TEMPERATURE REGULATION/ BRAIN INJURIES, ACUTE, complications/ BRAIN INJURIES, ACUTE, complications/ BRAIN INJURIES, ACUTE, pathology/ BRAIN INJURIES, ACUTE, physiopathology/ BRAIN INJURIES, ACUTE, physiopathology/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, physiopathology/ DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMUS, pathology/ HYPOTHALAMUS, physiopathology/ LARYNGEAL NEOPLASMS, complications/ LARYNGEAL NEOPLASMS, pathology/ LIPIDS, metabolism/ LIVER, metabolism/ MIDDLE AGE/ NEOPLASM METASTASIS/ OBESITY, etiology/ PITUITARY NEOPLASMS

2597. **Miyoshi M, Suzuki N, Takehisa Y:** [New method in thyroid gland function tests--Res-O-Mat ETR] Clin Endocrinol (Tokyo) 20:985-8, Nov 72 (Jap)
HUMAN/ METHODS/ PREGNANCY/ RESINS/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

2598. **Mizejewski GJ:** Immunospecificity and localization of radiolabeled human growth hormone in the mouse. Experientia 29:716-8, 15 Jun 73
ANIMAL EXPERIMENTS/ GOATS, immunology/ GONADOTROPINS, CHORIONIC, metabolism/ IMMUNE SERUMS, pharmacodynamics/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MICE/ SEMINAL VESICLES, metabolism/ *SOMATOTROPIN, metabolism/ TESTIS, metabolism

2599. **Mizutani S, Sonoda T, Matsumoto K:** Virilizing adrenal adenoma. Am J Surg 126:114-6, Jul 73
ABDOMEN, radiography/ ADENOMA, VIRILIZING, pathology/ *ADENOMA, VIRILIZING, surgery/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ AMENORRHEA, drug therapy/ AORTOGRAPHY/ CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, therapeutic use/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ FEMALE/ HIRSUTISM, chemically induced/ HIRSUTISM, therapy/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ PREGNANETRIOL, urine/ STIMULATION, CHEMICAL/ TESTOSTERONE, blood

2600. **Mladenović D, Jovanović R:** Prikaz slučaja karcinoma sigme u ginekološkoj praksi. Srp Arh Celok Lek 100:1105-8, Sep 72 (Ser)
FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, surgery/ *SIGMOID NEOPLASMS, complications/ SIGMOID NEOPLASMS, surgery

2601. **Miechin BM:** Obshchaia i mestnaia gormonoterapiia v otorinolaringologii. Vestn Otorinolaringol 34:109-14, Jul-May 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANIMAL EXPERIMENTS/ BRONCHITIS, drug therapy/ BURNS, CHEMICAL, drug therapy/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeutic use/ CORTISONE, therapeutic use/ ESOPHAGUS, injuries/ FACIAL PARALYSIS, drug therapy/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HAY FEVER, drug therapy/ HEARING DISORDERS, drug therapy/ *HORMONES, therapeutic use/ HUMAN/ INFANT/ INFLUENZA, drug therapy/ LARYNGEAL EDEMA, drug therapy/ LARYNGITIS, drug therapy/ MENIERE'S DISEASE, drug therapy/ MENINGITIS, drug therapy/ OTITIS, drug therapy/ *OTORHINOLARYNGOLOGIC DISEASES, drug therapy/ OTORHINOLARYNGOLOGIC DISEASES, surgery/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ PREOPERATIVE CARE/ RHINOSCLEROMA, drug therapy/ SINUSITIS, drug therapy/ TONSILLITIS, drug therapy/ TRACHEITIS, drug therapy

2602. **Mocek J, Safránek I, Sadílková M, et al:** Vztah mezi rtg. kostními změnami, hladinou alkalických fosfatáz kalciofosfátovým součinem v průběhu vleklého selhání ledvin za hemodialysy. Vnitr Lek 19:426-32, May 73 (Cze)

ADOLESCENCE/ ADULT/ *ALKALINE PHOSPHATASE, metabolism/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ KIDNEY, metabolism/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ *OSTEOMALACIA, radiography/ *OSTEOPOROSIS, radiography/ *PHOSPHATES, metabolism

2603. **Mochizuki K:** Carbonic anhydrase quantity of red blood cells in morbus basedowii.
Tohoku J Exp Med 108:401-9, Dec 72
ADULT/ *CARBONIC ANHYDRASE, blood/ ELECTROPHORESIS, STARCH GEL/ *ERYTHROCYTES, enzymology/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, enzymology/ GOITER, EXOPHTHALMIC, metabolism/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ IODINE ISOTOPES/ THYROID GLAND, metabolism

2604. **Modianos DT, Flexman JE, Hitt JC:** Rostral medial forebrain bundle lesions produce decrements in masculine, but not feminine, sexual behavior in spayed female rats. Behav Biol 8:629-36, May 73
ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, physiology/ PROGESTERONE, pharmacodynamics/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ STEREOTAXIC TECHNICS/ TESTOSTERONE, pharmacodynamics

2605. **Modigh K:** Effects of L-tryptophan on motor activity in mice. Psychopharmacologia 30:123-34, 21 May 73
ALLOPURINOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, metabolism/ CARBOXY-LYASES, antagonists & inhibitors/ CHLORINE/ DRUG SYNERGISM/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ *MOTOR ACTIVITY, drug effects/ PHENYLALANINE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ SEROTONIN, metabolism/ TRYPTOPHAN, antagonists & inhibitors/ TRYPTOPHAN, metabolism/ *TRYPTOPHAN, pharmacodynamics/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ TRYPTOPHAN OXYGENASE, antagonists & inhibitors

2606. **Mohamed AH, Nawar NN, Mohamed FA:** Effects of hydrocortisone and polyvalent antivenin on the histological changes in the lung after Naja nigricollis envenomation. Toxicon 11:181-3, Feb 73
ANIMAL EXPERIMENTS/ *ANTIVENINS, pharmacodynamics/ BRONCHI, pathology/ EDEMA, chemically induced/ EMPHYSEMA, chemically induced/ EXUDATES AND TRANSUDATES/ HEMORRHAGE, chemically induced/ *HYDROCORTISONE, pharmacodynamics/ LUNG, blood supply/ LUNG, pathology/ *LUNG DISEASES, chemically induced/ LYMPHOCYTES/ MICE/ PLASMA CELLS/ PULMONARY EDEMA, chemically induced/ PULMONARY EMPHYSEMA, pathology/ TRACHEA, pathology/ *VENOMS, antagonists & inhibitors

2607. **Mohn G:** Das zyklische 3',5'-Adenosinmonophosphat (c-AMP.
Australas Radiol 22:176l-6, Oct 72 (45 ref.) (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADIPOSE TISSUE, enzymology/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ CHEMISTRY/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ ESCHERICHIA COLI, enzymology/ GLYCOGEN SYNTHETASE, metabolism/ *HORMONES, metabolism/ HUMAN/ MAMMALS/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS, biosynthesis/ RATS/ REV TRANSCRIPTION, GENETIC/ TRANSI GENETIC

2608. **Mohsen A, Omar ME, Osman SA:** Characte the C=S frequencies in the infrared N.N'-disubstituted thiourea derivatives. Pharmazie 28:30-1, Jan 73
CHLOROFORM/ METHODS/ SOLUTIO SPECTROPHOTOMETRY, INFRARED/ *THIOUREA, analysis

2609. **Moins N, Rigaudière N, Robert A, et al:** Varia sécrétion des androgènes entre le 9 e et le 1 la vie chez le cobaye.
J Physiol (Paris) 65:Suppl 3:451A+,
*ANDROGENS, analysis/ ANDROGENS ANDROSTENEDIONE, analysis/ ANDROSTENEDIONE, blood/ ANIMA EXPERIMENTS/ BODY WEIGHT/ CHROMATOGRAPHY, GAS/ GUINEA *17-KETOSTEROIDS, analysis/ 17-KETOSTEROIDS, blood/ MALE/ O WEIGHT/ *TESTIS, analysis/ TESTOS analysis/ TESTOSTERONE, blood/ TI FACTORS

2610. **Moiseev VS, Tareeva IE, Danil'chenko**
Sindrom arterial'noi gipertonii pri sistem volchanke.
Kardiologiia 13:106-11, Mar 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADRE CORTEX HORMONES, therapeutic u ADULT/ ENGLISH ABSTRACT/ FE HEART ENLARGEMENT, etiology/ FAILURE, CONGESTIVE, etiology/ HYPERTENSION, complications/ *HYPERTENSION, etiology/ HYPERT RENAL, etiology/ *LUPUS ERYTHE SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug MALE/ MIDDLE AGE/ NEPHRITIS, NEPHROTIC SYNDROME, complicati PAIN, complications

2611. **Molen HR van der, Baute J:** Résultats d'une les oestro-progestatifs de synthèse e retentissements veineux.
Phlebologie 25:237-42, Jul-Sep 72
ADULT/ *CONTRACEPTIVES, ORAL effects/ ENGLISH ABSTRACT/ EPIDEMIOLOGIC METHODS/ ESTRO adverse effects/ FEMALE/ HUMAN/ AGE/ PROGESTATIONAL HORMONE adverse effects/ *THROMBOPHLEBI chemically induced/ THROMBOPHLE etiology/ THROMBOPHLEBITIS, occ *VARICOSE VEINS, chemically indu VARICOSE VEINS, occurrence

2612. **Moller OM:** The fine structure of the lutein mink (Mustela vison) with special refer secretory activity during pregnancy.
Z Zellforsch Mikrosk Anat 138:523-44
ANIMAL EXPERIMENTS/ CELL NU CELL NUCLEUS/ CELLULAR INCL *CORPUS LUTEUM, cytology/ CORP LUTEUM, secretion/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI AP LIPIDS/ MICROSCOPY/ MICROSCOP ELECTRON/ *MINK/ MITOCHONDR PREGNANCY/ *PREGNANCY, ANIM PROGESTERONE, blood/ *PROGEST secretion/ TIME FACTORS

2613. **Molokwu EC, Wagner WX:** Endocrine phys puerperal sow. J Anim Sci 36:1158-6
ADRENAL CORTEX HORMONES, b ANIMAL EXPERIMENTS/ ESTRADI ESTRONE, blood/ FEMALE/ *HORM blood/ METHODS/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN *PUERPERIUM/ *SWINE, physiology THYROXINE, blood

2614. **Monder C, Wang PT:** Oxidation of 21-dehydrocorticosteroids to steroidal acids by ketoaldehyde dehydrogenase of
J Steroid Biochem 4:153-62, Mar 73

UNIVERSITY OF ILLINOIS LIBRARY, URBANA-CHAMPAIGN

*ALDEHYDE OXIDOREDUCTASES/ ALDEHYDE OXIDOREDUCTASES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE/ ENZYME ACTIVATION/ GLUTATHIONE/ HYDROGEN-ION CONCENTRATION/ 17-HYDROXYCORTICOSTEROIDS/ HYDROXYMERCURIBENZOATES/ KETOSTEROIDS/ KINETICS/ *LIVER, enzymology/ NAD/ NADP/ NUCLEAR MAGNETIC RESONANCE/ PREGNENES/ SHEEP/ SPECTROPHOTOMETRY, ULTRAVIOLET

ontero JM 2d, Pascual VG, Guillermo EO, et al: An extrathyroid parathyroid adenoma presenting as a "cold" nodule on I 131 thyroid scan.
Va Med Mon 100:643-6, Jul 73
*ADENOMA, diagnosis/ CASE REPORT/ FEMALE/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ THYROID DISEASES, diagnosis

ontorsi W, Ghiringhelli C, Cossu G, et al: Considerazioni sulle varie localizzazioni di fistole arterovenose secondarie ad intervento chirurgico.
Minerva Cardioangiol 21:335-44, May 73 (Ita)
ADULT/ ANGIOGRAPHY/ *ARTERIOVENOUS FISTULA, etiology/ ARTERIOVENOUS FISTULA, radiography/ ENGLISH ABSTRACT/ HUMAN/ HYSTERECTOMY, adverse effects/ INTERVERTEBRAL DISK DISPLACEMENT, surgery/ KIDNEY, surgery/ PNEUMONECTOMY, adverse effects/ POSTOPERATIVE COMPLICATIONS/ *SURGERY, OPERATIVE, adverse effects/ THROMBOSIS, surgery/ THYROIDECTOMY, adverse effects

oor P de, Mieghme W van: The apparent affinity of plasma transcortin (CBA) in inbred Tamilian Hindus belonging either to a diabetes-prone community or to a group without family history of diabetes.
Clin Endocrinol Metab 36:1100-3, Jun 73
ADULT/ BLOOD SUGAR, analysis/ DIABETES MELLITUS, familial & genetic/ *DIABETES MELLITUS, metabolism/ FEMALE/ HUMAN/ INSULIN, blood/ MALE/ *PROTEIN BINDING/ *RACIAL STOCKS/ SOUTH AFRICA/ *TRANSCORTIN, metabolism

oore GL, Mallin WS, Roberts SC, et al: In vitro analysis of platelet function during storage of platelets from plasmapheresed donors.
Transfusion 13:130-4, May-Jun 73
ADENOSINE DIPHOSPHATE, blood/ BLOOD COAGULATION FACTORS/ BLOOD DONORS/ *BLOOD PLATELETS, physiology/ *BLOOD PRESERVATION/ CARBON ISOTOPES/ CELL AGGREGATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ *PLASMAPHERESIS/ SEROTONIN, blood/ SEROTONIN, metabolism/ TEMPERATURE/ TIME FACTORS

ore JW: Semiautomated method for analysis of 11-deoxy-17-oxo steroids in urine. A preliminary report. Clin Chem 19:706-9, Jul 73
ALCOHOL, METHYL/ ALKANES/ AMMONIUM COMPOUNDS/ *ANDROSTANES, urine/ ANDROSTERONE, urine/ AUTOANALYSIS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ COLORIMETRY/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ NITROBENZENES/ TRITIUM

ore JW, Marchant HG 3d, Norman JB, et al: Electrical brain stimulation as a Pavlovian conditioned inhibitor. Physiol Behav 10:581-7, Mar 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ AUDITORY PERCEPTION/ *BRAIN, physiology/ *CONDITIONING, CLASSICAL/ *ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROSHOCK/ GENERALIZATION, STIMULUS/ GENICULATE BODIES, physiology/ HOUSING, ANIMAL/ HYPOTHALAMUS, physiology/ *INHIBITION (PSYCHOLOGY)/ NICTITATING MEMBRANE, physiology/ RABBITS/ SELF STIMULATION/ STEREOTAXIC TECHNICS/ THALAMIC NUCLEI, physiology

2621. **Moore MR, Jones SE, Bull JM, et al:** MOPP chemotherapy for advanced Hodgkin's disease. Prognostic factors in 81 patients.
Cancer 32:52-60, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ PROGNOSIS/ REMISSION/ SEX FACTORS/ TIME FACTORS/ *VINCRISTINE, therapeutic use

2622. **Moormann JG:** Histochemische Untersuchungen bei der Lageanomalie des Hodens nach Behandlung mit humanem Chorion-Gonadotropin (HCG) im Tierexperiment und am klinischen Krankengut.
Ann Univ Sarav [Med] 19:85-144, 1972 (Ger)
ADOLESCENCE/ ANIMAL EXPERIMENTS/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, drug therapy/ *CRYPTORCHISM, enzymology/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GONADOTROPINS, CHORIONIC, therapeutic use/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT/ INFANT, NEWBORN/ LACTATE DEHYDROGENASE, metabolism/ LIPOAMIDE DEHYDROGENASE, metabolism/ LIPOIC ACID, metabolism/ MALE/ NAD/ OXIDOREDUCTASES, metabolism/ RATS/ TESTOSTERONE

2623. **Morakinyo VO, Aitken RC, Zealley AK, et al:** Comparison of anxiety in thyrotoxic and neurotic patients using skin conductance measurements.
Clin Endocrinol (Oxf) 1:355-62, Oct 72
ADULT/ *ANXIETY, diagnosis/ ANXIETY, etiology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GALVANIC SKIN RESPONSE/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, diagnosis/ MALE/ *NEUROSES, ANXIETY, diagnosis/ PSYCHOLOGICAL TESTS/ THYROID GLAND FUNCTION TESTS

2624. **Moretti A, Ciceri C:** Antagonismus des Chloretestosteron-acetat bei der Lebersteatose der Ratte nach Aethionin.
Arzneim Forsch 23:612-4, Apr 73 (Ger)
ACETATES/ ADMINISTRATION, ORAL/ ANDROSTANES, administration & dosage/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHOLESTEROL, metabolism/ ENGLISH ABSTRACT/ *ETHIONINE, antagonists & inhibitors/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, pharmacodynamics/ *LIVER, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS/ TRIGLYCERIDES, blood/ *TRIGLYCERIDES, metabolism

2625. **Moretti G, Broustet A, Beylot J, et al:** Menstruation paradoxale et ascite intarissable par tumeur de la granulosa dans la postménopause.
Sem Hop Paris 49:645-8, 20 Feb 73 (Fre)
AGE FACTORS/ AGED/ *ASCITES, etiology/ CASE REPORT/ CYTOGENETICS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GRANULOSA CELL TUMOR, complications/ GRANULOSA CELL TUMOR, diagnosis/ GRANULOSA CELL TUMOR, surgery/ HUMAN/ *MENOPAUSE/ *MENSTRUATION DISORDERS, etiology/ *OVARIAN

NEOPLASMS/ OVARIAN NEOPLASMS, surgery/ PREOPERATIVE CARE/ PROGNOSIS

2626. **Morewood GA:** Therapeutic abortion employing the synergistic action of extra-amniotic prostaglandin E 2 and an intravenous infusion of oxytocin.
J Obstet Gynaecol Br Commonw 80:473-5, May 73
*ABORTION, THERAPEUTIC/ AMNION/ DRUG SYNERGISM/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *OXYTOCIN, administration & dosage/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ TIME FACTORS

2627. **Morgan FJ, Birken S, Canfield RE:** Comparison of chorionic gonadotropin and luteinizing hormone: a note on a proposed significant structural difference in the beta subunit. FEBS Lett 31:101-3, 1 Apr 73
AMINO ACID SEQUENCE/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ GLYCOPROTEINS, metabolism/ *GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROLYSIS/ *LH/ PEPTIDES, analysis/ PROTEIN CONFORMATION/ TRYPSIN

2628. **Morgan M, Whitwam JG, Page P:** Influence of subnarcotic doses of Althesin (CT1341) on pain induced by two types of pain stimulus.
Br J Anaesth 45:481-5, May 73
*ANESTHETICS, pharmacodynamics/ DRUG COMBINATIONS/ HEAT/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ HYPNOTICS AND SEDATIVES, administration & dosage/ *HYPNOTICS AND SEDATIVES, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ *PAIN, drug effects/ *PREGNANES, pharmacodynamics/ PRESSURE/ THIOPENTAL, administration & dosage/ THIOPENTAL, pharmacodynamics

2629. **Morgan SS, Heidenry R, Bowen SF Jr:** Malignant melanoma of the iris and ciliary body occurring as a third primary malignancy.
Am J Ophthalmol 76:26-9, Jul 73
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, PAPILLARY, pathology/ BREAST NEOPLASMS, pathology/ CELL NUCLEOLUS/ CELL NUCLEUS/ *CILIARY BODY/ *EYE NEOPLASMS/ EYE NEOPLASMS, pathology/ FEMALE/ HUMAN/ *IRIS/ *MELANOMA/ MELANOMA, pathology/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ OVARIAN NEOPLASMS, pathology/ UVEA

2630. **Morgenstern D, Fleischer J:** Leberveränderungen bei Leukosen und malignen Lymphomen unter Berücksichtigung der zytostatischen Therapie.
Folia Haematol (Leipz) 98:215-20, 1972 (Ger)
ANTINEOPLASTIC AGENTS, adverse effects/ ENGLISH ABSTRACT/ FATTY LIVER, etiology/ HEPATOMEGALY, etiology/ HUMAN/ *LEUKEMIA, complications/ LIVER CIRRHOSIS, etiology/ *LIVER DISEASES, etiology/ *LYMPHOMA, complications/ NECROSIS/ PREDNISOLONE, adverse effects

2631. **Morhenn V, Rabinowitz Z, Tomkins GM:** Effects of adrenal glucocorticoids on polyoma virus replication.
Proc Natl Acad Sci USA 70:1088-9, Apr 73
CELL LINE/ DEXAMETHASONE, pharmacodynamics/ EMBRYO/ ESTRADIOL, pharmacodynamics/ FIBROBLASTS/ *GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MICE/ PLAQUE ASSAY/ *POLYOMA VIRUS, drug effects/ PROGESTERONE, pharmacodynamics/ *VIRUS REPLICATION, drug effects

2632. **Mori T, Hamamoto K, Torizuka K:** [Experimental studies and clinical evaluation of diagnosis of tumors using 99mTc labelled bleomycin]
Jap J Clin Radiol 18:201-5, Mar 73 (Jap)
ADENOCARCINOMA, diagnosis/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, ANTINEOPLASTIC/ BLEOMYCIN/ BREAST NEOPLASMS, diagnosis/ CARCINOMA, EPIDERMOID, diagnosis/ COMPARATIVE STUDY/ DISGERMINOMA, diagnosis/ FIBROSARCOMA, diagnosis/ GALLIUM/ HUMAN/ LUNG NEOPLASMS, diagn
MAXILLARY NEOPLASMS, diagnosis
*NEOPLASMS, diagnosis/ *RADIOISO
SCANNING/ *RADIOISOTOPES/
*TECHNETIUM

2633. **Moriarty CM:** Serum-dependent transcell
calcium transport. Exp Eye Res 79:79-
ANIMAL EXPERIMENTS/ BIOLOGIC
TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CARBON ISOTOPES/ C
immunology/ CHICK EMBRYO/ CHI
metabolism/ CULTURE MEDIA/ *FE
MEMBRANES, metabolism/ FETAL
MEMBRANES, physiology/ *IMMUNE
pharmacodynamics/ MEMBRANE PO
MODELS, BIOLOGICAL/ SODIUM, m
SPECTROPHOTOMETRY/ TIME FAC

2634. **Morin AM, Liss M:** Evidence for a methyla
intermediate in pituitary methanol f
Biochem Biophys Res Commun 52:373-8,
S-ADENOSYLMETHIONINE/ *ALCOH
METHYL, biosynthesis/ ANIMAL EXPERIMENTS/ BORATES/ CARBO
ISOTOPES/ HYDROGEN-ION CONCENTRATION/ METHYLATION
METHYLTRANSFERASES, analysis/
PITUITARY GLAND, enzymology/
*PITUITARY GLAND, metabolism/
*PROTEINS, metabolism

2635. **Morin M, Nenot JC, Lafuma J:** Comparaison
biologique de californium et de cel
transuraniens.
C R Acad Sci [D] (Paris) 276:1209-11, 12
ANIMAL EXPERIMENTS/ AUTOMA
PROCESSING/ *BONE AND BONES, metabolism/ *CALIFORNIUM, metab
CALIFORNIUM, urine/ COMPARATI
STUDY/ FECES, analysis/ MALE/
RADIATION MONITORING/ RADIO
RATS

2636. **Morishige WK, Leathem JH:** Effect of ad
on corticosterone maintenance of pr
dietary protein deprivation: influence on
and serum prolactin. Fertil Steril 24:53
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASS
CASEIN, therapeutic use/ CORPUS
physiology/ *CORTICOSTERONE, th
use/ DIETARY PROTEINS/ FEMAL
WEIGHT/ OVARY, physiology/ PIG
PITUITARY GLAND, analysis/ PITU
GLAND, anatomy & histology/ *PIT
GLAND, secretion/ PREGNANCY/
*PREGNANCY COMPLICATIONS, p
& control/ PROLACTIN, analysis/
*PROLACTIN, blood/ PROLACTIN, metabolism/ *PROTEIN DEFICIENC
physiopathology/ RADIOIMMUNOAS
RATS/ TIME FACTORS

2637. **Moriwaki M, Watase H, Fukumoto**
Exophthalmos due to rete mirabile absce
infection with Corynebacterium pyogen
Natl Inst Anim Health Q (Tokyo) 13:14-
ABSCESS, complications/ ABSCESS, microbiology/ ANIMAL EXPERIMEN
*ARTERIES/ BRAIN, pathology/ BR
ABSCESS, pathology/ *BRAIN ABSC
veterinary/ CATTLE/ *CATTLE DI
CORYNEBACTERIUM INFECTIONS, complications/ CORYNEBACTERIUM
INFECTIONS, microbiology/
*CORYNEBACTERIUM INFECTIONS
veterinary/ CORYNEBACTERIUM P
isolation & purification/ EXOPHTH
etiology/ EXOPHTHALMOS, microbi
EXOPHTHALMOS, pathology/
*EXOPHTHALMOS, veterinary/ LUN
pathology/ MALE/ NOSE, pathology
pathology

2638. **Mornex R, Durand H, Berthezene F, et**
TSH secretion in rats resulting from
administration. Metabolism 22:859-65,
*ADIPHENINE, pharmacodynamics/
EXPERIMENTS/ BIOLOGICAL ASS

CORTICOSTERONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HALF-LIFE/ MALE/ MICE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RATS/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROTROPIN, blood/ *THYROTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR/ THYROXINE, pharmacodynamics

Mornex R, Jordan D, Cretin A: Libération de TSH par l'antéhypophyse de rat sous l'influence du diphénylacétate de diéthylamino 2 éthyle. C R Acad Sci [D] (Paris) 276:2289-92, 9 Apr 73 **(Fre)**
*ADIPHENINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ THEOPHYLLINE, pharmacodynamics/ THYROTROPIN, blood/ *THYROTROPIN, secretion

Mornex R, Kressman J, Jordan D: Régulation hypothalamique de la sécrétion antéhypophysaire. Rev Prat 23:865-76, 21 Feb 73 **(Fre)**
CORTICOTROPIN RELEASING FACTOR/ FEEDBACK/ GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, secretion/ MSH, secretion/ PITUITARY GLAND, secretion/ PROLACTIN, secretion/ SOMATOTROPIN, secretion/ SPECIAL LIST FOREIGN/ THYROTROPIN RELEASING FACTOR

Mornex R, Tommasi M, Cure M, et al: Hyperthyroïdie associée á un hypopituitarisme au cours de l'évolution d'une tumeur hypophysaire sécrétant T.S. Ann Endocrinol (Paris) 33:390-6, Jul-Aug 72 **(Fre)**
*ADENOMA, complications/ ADENOMA, metabolism/ ADENOMA, radiography/ ADENOMA, radiotherapy/ ADENOMA, surgery/ ADULT/ CARBIMAZOLE, therapeutic use/ ENGLISH ABSTRACT/ FEEDBACK/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPOPITUITARISM, complications/ PITUITARY GLAND FUNCTION TESTS/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, therapeutic use/ TRIIODOTHYRONINE, therapeutic use

Morrelli HF: Propranolol.
Ann Intern Med 78:913-7, Jun 73 (102 ref.)
ADMINISTRATION, ORAL/ ANGINA PECTORIS, drug therapy/ ARRHYTHMIA, drug therapy/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTHYROIDISM, drug therapy/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, drug therapy/ LEGISLATION, DRUG/ PHEOCHROMOCYTOMA, drug therapy/ *PROPRANOLOL/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, adverse effects/ PROPRANOLOL, blood/ PROPRANOLOL, therapeutic use/ REVIEW/ UNITED STATES/ UNITED STATES FOOD AND DRUG ADMINISTRATION

Morris DJ, Berek JS, Davis RP: Sex dependence of aldosterone response in rats.
Metabolism 22:923-6, Jul 73
ALDOSTERONE, administration & dosage/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ NATRIURESIS/ POTASSIUM, urine/ RATS/ SEX FACTORS

Morris JF, Cannata MA: Ultrastructural preservation of the dense core of posterior pituitary neurosecretory granules and its implications for hormone release. J Endocrinol 57:517-29, Jun 73
ANIMAL EXPERIMENTS/ CYTOLOGICAL TECHNICS/ *CYTOPLASMIC GRANULES/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ *NEUROSECRETORY SYSTEMS, cytology/ OSMIUM/ OXYTOCIN, secretion/ *PITUITARY GLAND, POSTERIOR, cytology/ *PITUITARY HORMONES, POSTERIOR, secretion/ RATS/ SODIUM CHLORIDE/ VASOPRESSIN, secretion

2645. **Morris L, Wylie I:** Tomography of the cavernous sinuses. Br J Radiol 46:424-6, Jun 73
ADENOMA, EOSINOPHILIC, radiography/ *CAVERNOUS SINUS, radiography/ CONTRAST MEDIA/ HUMAN/ METHODS/ PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *TOMOGRAPHY, RADIOGRAPHIC

2646. **Morris RS:** The depression of quarter milk yield caused by bovine mastitis, and the response of yield to successful therapy. Aust Vet J 49:153-6, Mar 73
ACUTE DISEASE/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, therapeutic use/ CATTLE/ CHRONIC DISEASE/ CLOXACILLIN, therapeutic use/ DIHYDROSTREPTOMYCIN, therapeutic use/ FEMALE/ LACTATION/ *MASTITIS, BOVINE, drug therapy/ *MILK, secretion/ PENICILLIN G, therapeutic use/ PREGNANCY/ SECRETORY RATE

2647. **Morris TR:** The effects of ahemeral light and dark cycles on egg production in the fowl.
Poult Sci 52:423-45, Mar 73 (38 ref.)
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ *CIRCADIAN RHYTHM/ DARKNESS/ *EGGS/ FEMALE/ LH, blood/ *LIGHT/ MODELS, BIOLOGICAL/ ORGAN WEIGHT/ OVARY, physiology/ OVULATION/ REVIEW/ TIME FACTORS

2648. **Morsier G de, Gronek B:** Sur 92 cas de troubles sexuels post-traumatiques.
Ann Med Psychol (Paris) 2:653-70, Dec 72 **(Fre)**
ADOLESCENCE/ ADULT/ DYSMENORRHEA, etiology/ EPILEPSY, etiology/ FEMALE/ FRIGIDITY, etiology/ FROEHLICH'S SYNDROME, etiology/ HALLUCINATIONS, etiology/ *HEAD INJURIES, complications/ HUMAN/ HYPERTRICHOSIS, etiology/ IMPOTENCE, etiology/ MALE/ *MENSTRUATION DISORDERS, etiology/ *SEX DISORDERS, etiology/ TIC, etiology

2649. **Morton DR, Gravestock MB, Parry RJ, et al:** Acetylenic bond participation in biogenetic-like olefinic cyclizations in nitroalkane solvents. Synthesis of the 17-hydroxy-5 beta-pregnan-20-one system.
J Am Chem Soc 95:4417-8, 27 Jun 73
ACETATES/ *ALKANES/ CYCLIZATION/ ETHERS, CYCLIC, chem synthesis/ HYDROXYSTEROIDS, chem synthesis/ METHODS/ NITRO COMPOUNDS/ OXIMES, chem synthesis/ *PREGNANES, chem synthesis/ SOLVENTS

2650. **Morton DR, Johnson WS:** Acetylenic bond participation in biogenetic-like olefinic cyclizations in nitroalkane solvents. A facile total synthesis of dl-testosterone benzoate. J Am Chem Soc 95:4419-20, 27 Jun 73
ACETATES/ *ALKANES/ BENZOATES, chem synthesis/ CYCLIZATION/ METHODS/ NITRO COMPOUNDS/ SOLVENTS/ *TESTOSTERONE, chem synthesis

2651. **Mosekilde L, Andersen P:** The calcium infusion test in primary hyperparathyroidism.
Acta Med Scand 193:331-6, Apr 73
CALCIUM, blood/ *CALCIUM, diagnostic use/ CALCIUM, urine/ CREATININE, blood/ HUMAN/ HYPERCALCEMIA, metabolism/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, metabolism/ PHOSPHATES, metabolism/ *PHOSPHATES, metabolism

2652. **Moser RJ, Hollingsworth DR:** Radioimmunoassay of human chorionic somatomammotropin in serum, amniotic fluid, and urine. Clin Chem 19:602-7, Jun 73
AMNIOTIC FLUID, analysis/ BLOOD/ CROSS REACTIONS/ EVALUATION STUDIES/ FEMALE/ GOATS, immunology/

...U. OF L. URBANA-CHAMPAIGN

*GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ METHODS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, blood/ PLACENTAL LACTOGEN, urine/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TIME FACTORS/ UMBILICAL CORD

2653. **Moskowitz RW**: Osteoarthritis: a new look at an old disease. Geriatrics 28:121-8, Jun 73 (39 ref.)
ANALGESICS AND ANTIPYRETICS, administration & dosage/ ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRODESIS/ BONE MARROW/ CARTILAGE/ DEBRIDEMENT/ DIET, REDUCING/ HUMAN/ JOINT PROSTHESIS/ LYSOSOMES, enzymology/ MUCOPOLYSACCHARIDES, therapeutic use/ MUSCLE RELAXANTS, CENTRAL, therapeutic use/ *OSTEOARTHRITIS/ OSTEOARTHRITIS, drug therapy/ OSTEOARTHRITIS, etiology/ OSTEOARTHRITIS, pathology/ OSTEOARTHRITIS, surgery/ OSTEOARTHRITIS, therapy/ OSTEOMALACIA, prevention & control/ OSTEOTOMY/ PEPTIDE HYDROLASES, antagonists & inhibitors/ PHYSICAL THERAPY/ REST/ REVIEW/ SALICYLIC ACID, pharmacodynamics/ SILICONES, therapeutic use/ TISSUE EXTRACTS

2654. **Moskowitz RW, Garcia F**: Chondrocalcinosis articularis (pseudogout syndrome).
Arch Intern Med 132:87-91, Jul 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANTINUCLEAR FACTORS, analysis/ ARTHRITIS, RHEUMATOID, complications/ ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ CALCINOSIS, radiography/ CALCIUM PHOSPHATES, metabolism/ CARTILAGE, ARTICULAR, radiography/ *CHONDROCALCINOSIS/ CHONDROCALCINOSIS, complications/ CHONDROCALCINOSIS, diagnosis/ CHONDROCALCINOSIS, drug therapy/ CHONDROCALCINOSIS, radiography/ COLCHICINE, therapeutic use/ CRYSTALLIZATION/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GOUT, diagnosis/ HUMAN/ INDOMETHACIN, therapeutic use/ JOINT DISEASES, complications/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, therapeutic use/ SYNOVIAL FLUID, analysis/ URIC ACID, blood

2655. **Mosonyi L**: Grundlagen der chronischen Hormonsubstitution.
Z Gesamte Inn Med 28:105-11, 1 Apr 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ DIHYDROTACHYSTEROL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ HYPOGONADISM, drug therapy/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, drug therapy/ PARATHYROID HORMONE, therapeutic use/ SOMATOTROPIN, therapeutic use/ THYROID HORMONES, therapeutic use/ TIME FACTORS

2656. **Mosonyi L, Irsy G, Szilályi G, et al**: Calcium-sensitive site in the carotid trunk at the thyroid artery issue, influencing the respiratory centre.
Acta Physiol Acad Sci Hung 42:25-30, 1972
ANIMAL EXPERIMENTS/ APNEA/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ CAROTID ARTERIES, innervation/ CAROTID ARTERIES, physiology/ CITRATES, pharmacodynamics/ DENERVATION/ DOGS/ EDTA/ FEMALE/ LIGATION/ MALE/ MODELS, BIOLOGICAL/ PARATHYROID GLANDS, physiology/ RESPIRATORY CENTER, blood supply/ *RESPIRATORY CENTER, drug effects/ RESPIRATORY CENTER, physiology/

*THYROID GLAND, blood supply/ TH GLAND, physiology/ THYROIDECTOM

2657. **Moss J**: Catecholamines and hypertensi
N Engl J Med 288:1355-6, 21 Jun 73
ADRENAL GLANDS, drug effects/ A GLANDS, physiology/ ADRENAL GLA secretion/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CATECHOLAMINES, blood/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *HYPERTENSION, PENTOBARBITAL, pharmacodynamics SCORPIONS/ URETHANE, pharmacod VENOMS, pharmacodynamics

2658. **Moss RL, Cooper KJ**: Temporal relatio spontaneous and coitus-induced release of hormone in the normal cyclic rat.
Endocrinology 92:1748-53, Jun 73
ANIMAL EXPERIMENTS/ *COITUS/ *LH, blood/ *PERIODICITY/ POSTUR RATS/ SEX BEHAVIOR, ANIMAL/ T FACTORS

2659. **Moss RL, McCann SM**: Induction of mating b rats by luteinizing hormone-releasing
Science 181:177-9, 13 Jul 73
ANIMAL EXPERIMENTS/ ESTROGEN administration & dosage/ ESTROGENS pharmacodynamics/ ESTRUS/ FEMAL pharmacodynamics/ *LH/ MALE/ OVA physiology/ OVULATION/ *PITUITAR HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, administration & dosage/ PROGESTE pharmacodynamics/ RATS/ *SEX BEH ANIMAL, drug effects/ THYROTROP RELEASING FACTOR, pharmacodyna

2660. **Moszkowska A, Scemama A, Lombard**
Experimental modulation of hypothalamic the gonadotropic releasing factors by pinea the rat. J Neural Transm 34:11-22, 1
ANIMAL EXPERIMENTS/ CEREBRA VENTRICLES, drug effects/ FEMALE secretion/ GEL FILTRATION/ HYPOTHALAMO-HYPOPHYSEAL SYS drug effects/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, met IN VITRO/ *LH, secretion/ MALE/ MELATONIN, pharmacodynamics/ *NEUROHUMORS, pharmacodynamics/ NIALAMIDE, pharmacodynamics/ ORC WEIGHT/ OVARY, metabolism/ *PIN BODY/ *PITUITARY HORMONE REL FACTORS, metabolism/ RATS/ SERO pharmacodynamics/ UTERUS, metabol

2661. **Motoi Y, Iizuka M, Nakagawa M, et al**: Arthri induced by sensitization with adaptive
Natl Inst Anim Health Q (Tokyo) 12:222-9,
ANIMAL EXPERIMENTS/ ARTHRITI ARTHRITIS, chemically induced/ AR etiology/ ARTHRITIS, microbiology/ ARTHRITIS, pathology/ *ARTHRITIS, veterinary/ BLOOD PROTEINS, analy *CORTICOSTERONE/ CORYNEBACTE CORYNEBACTERIUM, isolation & pu *EPINEPHRINE/ *GOATS/ HEMATOC LEUKOCYTE COUNT/ STREPTOCOC STREPTOCOCCUS, isolation & purifi

2662. **Motsay GJ, Alho AV, Romero LH, et al**: The microcirculation in endotoxin-shocked dog phenoxybenzamine and methylprednisolo precapillary and postcapillary resistan
J Surg Res 14:406-11, May 73
ANIMAL EXPERIMENTS/ BLOOD PI drug effects/ CAPILLARY RESISTA effects/ DOGS/ ENDOTOXINS/ HYDROGEN-ION CONCENTRATION/ METHODS/ *METHYLPREDNISOLON pharmacodynamics/ *MICROCIRCULA PERFUSION/ *PHENOXYBENZAMIN pharmacodynamics/ *PULMONARY CIRCULATION/ RESPIRATION, ART *SHOCK, ENDOTOXIC, physiopatholo TRANSDUCERS/ *VASCULAR RESIS

drug effects/ VENOUS PRESSURE, drug effects

Gottas JH, Zelickson AS, Thorne EG, et al: Blood vessel changes in psoriatic skin.
Acta Derm Venereol (Stockh) 53:195-8, 1973
BASEMENT MEMBRANE/ BIOPSY/ *CAPILLARIES, pathology/ DILATATION/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ INTERCELLULAR JUNCTIONS/ MALE/ MAST CELLS/ MICROSCOPY, ELECTRON/ PSORIASIS, drug therapy/ *PSORIASIS, pathology/ *SKIN, blood supply/ SKIN, pathology/ STEROIDS, therapeutic use

Goudgil VK, Kanungo MS: Induction of acetylcholinesterase by 17- estradiol in the brain of rats of various ages.
Biochem Biophys Res Commun 52:725-30, 8 Jun 73
*ACETYLCHOLINESTERASE, biosynthesis/ AGING/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ BRAIN, growth & development/ CASTRATION/ CEREBELLUM, enzymology/ CEREBELLUM, growth & development/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ OVARY, physiology/ RATS

Goussier P, Vincent JM, Berthelay S, et al: Elimination urinaire des gonadotrophines chez l'enfant pendant la période pré-pubertaire.
J Physiol (Paris) 65:Suppl 3:457A+, 1972 (Fre)
*FSH, urine/ HUMAN/ *LH, urine/ MALE/ PUBERTY

Goutier R, Toyama K, Charrier MF: Hypodactyly, a new recessive mutation in the Norway rat.
J Hered 64:99-100, Mar-Apr 73
ANIMAL EXPERIMENTS/ AUTOSOME ABNORMALITIES, veterinary/ FEMALE/ *FORELIMB, abnormalities/ *GENES, RECESSIVE/ *HINDLIMB, abnormalities/ MALE/ MUTATION/ RATS/ *RATS, INBRED STRAINS/ STERILITY, MALE, veterinary/ TESTIS, abnormalities

Goyano MB, Hauger-Klevene J, Soto RJ, et al: Effect of hypopituitarism and ACTH on the urinary excretion of norepinephrine in man.
J Clin Endocrinol Metab 37:1-5, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ *CORTICOTROPIN, pharmacodynamics/ *EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ *HYPOPITUITARISM, urine/ MALE/ METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, urine

Goyle DD, Klawitter JJ, Hulbert SF: Mechanical properties of the bone-porous biomaterial interface: elastic behavior. J Biomed Mater Res 7:363-82, 1973
ALUMINUM/ BIOMECHANICS/ BIOPHYSICS/ *BONE AND BONES, physiology/ CERAMICS/ CHROMIUM-COBALT ALLOYS/ *ELASTICITY/ HUMAN/ MOLYBDENUM/ POLYMERS/ *PROSTHESIS/ STAINLESS STEEL/ STRESS, MECHANICAL/ TITANIUM

Goyle WR, Ramachandran J: Effect of LH on steroidogenesis and cyclic AMP accumulation in rat Leydig cell preparations and mouse tumor Leydig cells. Endocrinology 93:127-34, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CLOSTRIDIOPEPTIDASE A/ FSH, pharmacodynamics/ LEYDIG CELL TUMOR, metabolism/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, metabolism/ *LH, pharmacodynamics/ MALE/ RATS/ SHEEP/ *TESTOSTERONE, biosynthesis/ TIME FACTORS

Graz FR, Woody MC: The effect of dose rate upon reproductive performance of White Leghorn hens and their progeny. Radiat Res 54:549-55, Jun 73
ANIMAL EXPERIMENTS/ *CHICK EMBRYO, radiation effects/ *CHICKENS, physiology/ COBALT ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ *OVULATION, radiation effects/ OVUM, radiation effects/ *RADIATION EFFECTS

2671. Muhlbauer MA, Ruedi B, Lemarchand-Béraud T, et al: Explorations dynamiques de la fonction hypophysaire chez des patients souffrant d'adénome chromophobe de l'hypophyse ou d'acromégalie.
Ann Endocrinol (Paris) 33:440-6, Jul-Aug 72 (Fre)
*ACROMEGALY, physiopathology/ *ADENOMA, CHROMOPHOBE, physiopathology/ ADENOMA, CHROMOPHOBE, radiotherapy/ ADENOMA, CHROMOPHOBE, surgery/ BLOOD SUGAR, analysis/ CORTICOTROPIN, blood/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOPHYSECTOMY/ INSULIN, diagnostic use/ LH, blood/ MALE/ METYRAPONE, diagnostic use/ *PITUITARY GLAND, physiopathology/ *PITUITARY NEOPLASMS, physiopathology/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood

2672. Muir G, Pollitt N, Rooney J: Oral vitamins in alcohol intoxication. Q J Stud Alcohol 34:373-80, Jun 73
ADMINISTRATION, ORAL/ ADULT/ AFFECT, drug effects/ ALCOHOL, ETHYL, blood/ *ALCOHOLIC INTOXICATION, drug therapy/ BLOOD SUGAR/ CREATININE, urine/ EVALUATION STUDIES/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ PLACEBOS/ SELF CONCEPT, drug effects/ VANILMANDELIC ACID, urine/ VITAMIN B COMPLEX, administration & dosage/ VITAMIN B COMPLEX, pharmacodynamics/ *VITAMIN B COMPLEX, therapeutic use

2673. Muir JR: Couple excitation-contraction dans le coeur normal et dans le coeur en défaillance.
Ann Cardiol Angeiol (Paris) 21:535-43, Nov-Dec 72 (Fre)
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ *HEART FAILURE, CONGESTIVE, metabolism/ HUMAN/ *MYOCARDIUM, metabolism/ *SARCOPLASMIC RETICULUM, metabolism

2674. Mukherji B, Hirshaut Y: Evidence for fetal antigen in human sarcoma. Science 181:440-2, 3 Aug 73
ANTIBODIES, NEOPLASM, analysis/ *ANTIGENS, NEOPLASM, analysis/ AUTOIMMUNE DISEASES, immunology/ BONE NEOPLASMS, immunology/ BREAST NEOPLASMS, immunology/ CARCINOMA, immunology/ CELLS, CULTURED/ EMBRYO, immunology/ FEMALE/ *FETUS, immunology/ FIBROSARCOMA, immunology/ FLUORESCENT ANTIBODY TECHNIC/ GASTROINTESTINAL NEOPLASMS, immunology/ GIANT CELL TUMORS, immunology/ HODGKIN'S DISEASE, immunology/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, MYELOBLASTIC, immunology/ LIPOSARCOMA, immunology/ LUNG NEOPLASMS, immunology/ LYMPHOMA, immunology/ MELANOMA, immunology/ OVARIAN NEOPLASMS, immunology/ *SARCOMA, immunology/ SARCOMA, OSTEOGENIC, immunology/ SKIN, immunology

2675. Mulcahy MT, Jenkyn J: Prenatal diagnosis. Results of cytogenetic analysis of amniotic fluid cell cultures.
Med J Aust 1:979-82, 19 May 73
ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ AMNIOCENTESIS/ *AMNIOTIC FLUID, cytology/ CELLS, CULTURED/ *CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES, HUMAN, 6-12/ FEMALE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, diagnosis/ LEUKOCYTES/ MATERNAL AGE/ MIDDLE AGE/ MONGOLISM, diagnosis/ POLYMORPHISM (GENETICS)/ PREGNANCY/ *PRENATAL DIAGNOSIS

U. OF I., URBANA-CHAMPAIGN

2676. **Mulder E, Brinkman AO, Lamers-Stahlhofen GJ, et al:** Binding of oestradiol by the nuclear fraction of rat testis interstitial tissue. FEBS Lett 31:131-6, 1 Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ *CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOLOGICAL TECHNICS/ CYTOPLASM, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ IN VITRO/ MALE/ RATS/ SUBCELLULAR FRACTIONS/ SUCROSE/ *TESTIS, cytology/ TESTIS, metabolism/ TRITIUM

2677. **Müller EE:** Nervous control of growth hormone secretion.
Neuroendocrinology 11:338-69, 1973 (186 ref.)
AMINES, metabolism/ ANIMAL EXPERIMENTS/ BABOONS/ BRAIN, metabolism/ *BRAIN DISEASES, physiopathology/ *CENTRAL NERVOUS SYSTEM, physiology/ DOPAMINE, metabolism/ ELECTRIC STIMULATION/ FEEDBACK/ HUMAN/ HYPOGLYCEMIA, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MONKEYS/ NEUROHUMORS, physiology/ NOREPINEPHRINE, metabolism/ PHENTOLAMINE, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PITUITARY HORMONE RELEASING FACTORS, physiology/ REVIEW/ SEROTONIN, metabolism/ SLEEP/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

2678. **Müller G:** Erfahrungen über die Therapie mit anabolen Hormonen bei der Osteoporose.
Z Aerztl Fortbild (Jena) 67:277-9, 15 Mar 73 (Ger)
AGED/ ANABOLIC STEROIDS, administration & dosage/ *ANABOLIC STEROIDS, therapeutic use/ CALCIUM, administration & dosage/ CALCIUM, therapeutic use/ FEMALE/ HUMAN/ IONS/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, drug therapy/ TIME FACTORS

2679. **Müller G:** Die Behandlung des Weichteilrheumatismus mit Indometacin-Dexamethason (Deca-Amuno.
Munch Med Wochenschr 115:950-1, 18 May 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS, INFECTIOUS, drug therapy/ ARTHRITIS, RHEUMATOID, drug therapy/ CERVICO-BRACHIAL NEURALGIA, drug therapy/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ GOUT, drug therapy/ HIP JOINT/ HUMAN/ *INDOMETHACIN, therapeutic use/ INTERVERTEBRAL DISK DISPLACEMENT, drug therapy/ KNEE JOINT/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, drug therapy/ PERIARTHRITIS, drug therapy/ *RHEUMATISM, drug therapy/ SPONDYLITIS, ANKYLOSING, drug therapy/ TENDINITIS, drug therapy

2680. **Müller J, Baumann K:** Effect of potassium intake on the final steps of aldosterone biosynthesis in the rat. 3. Combined sodium and potassium restriction.
Acta Endocrinol (Kbh) 73:80-90, May 73
*ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, metabolism/ DESOXYCORTICOSTERONE, metabolism/ DIET/ HYDROCORTISONE, biosynthesis/ HYDROXYCORTICOSTEROIDS, biosynthesis/ HYDROXYCORTICOSTEROIDS, metabolism/ HYPOKALEMIA/ MALE/ POTASSIUM, blood/ POTASSIUM, metabolism/ *POTASSIUM, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SEROTONIN, pharmacodynamics/ SODIUM, blood/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ SPECTROPHOTOMETRY/ TRITIUM

2681. **Müller M, Zotter S:** Mammary tumor virus (MTV) infection of CBA/Bln mice involving production of antibodies to MTV. J Natl Cancer Inst 50:713-7, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES,

NEOPLASM, analysis/ *ANTIBODIES, analysis/ *ANTIBODY FORMATION/ FLUORESCENT ANTIBODY TECHNIC DIFFUSION TESTS/ IMMUNE TOLER INCLUSION BODIES, VIRAL/ LACTA MALE/ *MAMMARY CANCER VIRUS immunology/ *MAMMARY NEOPLASM EXPERIMENTAL, immunology/ MICE analysis/ NEOPLASM TRANSPLANTA PREGNANCY

2682. **Muller P:** Oestro-progestatifs de synthèse d et phlébologie. Introduction.
Phlebologie 25:223-6, Jul-Sep 72
*CONTRACEPTIVES, ORAL, adverse ESTROGENS, adverse effects/ FEMA FRANCE/ HUMAN/ PROGESTATION HORMONES, adverse effects/ *VASC DISEASES, chemically induced/ VEIN

2683. **Muller P, Dellenbach P:** Les complications consécutives aux thérapeutiques oestro-progestatives à la maternité du Strasbourg.
Phlebologie 25:256-7, Jul-Sep 72
BREAST DISEASES, chemically induc *CONTRACEPTIVES, ORAL, adverse EDEMA, chemically induced/ ENGLIS ABSTRACT/ ESTROGENS, adverse e FEMALE/ HUMAN/ MATERNAL HE SERVICES/ PROGESTATIONAL HOR adverse effects/ THROMBOEMBOLISI prevention & control/ VARICOSE VI chemically induced/ *VASCULAR DI chemically induced/ VEINS

2684. **Müller W, Wurm K, Stojan B, et al:** Die Besti Kollagenpeptidase-Aktivität als Parame Therapieeffektes bei der Sarkoidose.
Dtsch Med Wochenschr 98:1253-5, 22 Ju
ACID PHOSPHATASE, blood/ ACID PHOSPHATASE, metabolism/ COLLA ENGLISH ABSTRACT/ ENZYME TE EVALUATION STUDIES/ FOLLOW-U STUDIES/ HUMAN/ LACTATE DEHYDROGENASE, blood/ LACTATI DEHYDROGENASE, metabolism/ PE HYDROLASES, blood/ *PEPTIDE HYDROLASES, metabolism/ SARCOI blood/ *SARCOIDOSIS, drug therapy SARCOIDOSIS, enzymology/ TRIAMC ACETONIDE, administration & dosag TRIAMCINOLONE ACETONIDE, ther use

2685. **Müller-Plettenberg D:** Notizen vom Jahr 1972 der Deutschen Gesellschaft für G
Ther Ggw 112:849 passim, May 73
AGED/ AGING/ ARTERIOSCLEROSI metabolism/ *CONGRESSES/ CONNE TISSUE, physiology/ DEPRESSION/ adverse effects/ DOPA, therapeutic *GERIATRICS/ GERMANY, WEST/ OSTEOPOROSIS/ PARKINSONISM, d therapy/ ZINC, metabolism

2686. **Mulvihill JJ, Miller RW, Taussig HB:** observations of the Blalock-Taussig op Neoplasms in Tetralogy of Fallot.
Johns Hopkins Med J 133:16-8, Jul
ADENOMA, CHROMOPHOBE, compli ADOLESCENCE/ ADULT/ CHILD/ CHONDROMA, complications/ ENDO FEMALE/ FOLLOW-UP STUDIES/ HAMARTOMA, complications/ HODG DISEASE, complications/ HUMAN/ LEUKEMIA, MYELOBLASTIC, comp LIPOMA, complications/ MALE/ MA *NEOPLASMS, complications/ NEOP occurrence/ PANCREATIC NEOPLA complications/ PITUITARY NEOPLA complications/ SHOULDER/ STERNU TETRALOGY OF FALLOT, complic *TETRALOGY OF FALLOT, surgery THYROID NEOPLASMS, complicatio UTERINE NEOPLASMS, complicatio

2687. **Muñoz N:** Effect of herpesvirus type 2 an imbalance on the uterine cervix of
Cancer Res 33:1504-8, Jun 73

ANIMAL EXPERIMENTS/ CARCINOMA, EPIDERMOID, chemically induced/ CARCINOMA, EPIDERMOID, etiology/ CARCINOMA, EPIDERMOID, pathology/ CERVIX NEOPLASMS, chemically induced/ *CERVIX NEOPLASMS, etiology/ CERVIX NEOPLASMS, pathology/ ESTRADIOL, administration & dosage/ *ESTROGENS/ FEMALE/ *HERPESVIRUS HOMINIS/ INJECTIONS, SUBCUTANEOUS/ MESTRANOL, administration & dosage/ MICE/ MICE, INBRED BALB C/ NORETHYNODREL, administration & dosage/ PRECANCEROUS CONDITIONS, chemically induced/ PRECANCEROUS CONDITIONS, etiology/ PRECANCEROUS CONDITIONS, pathology/ PROGESTERONE, administration & dosage/ VAGINAL NEOPLASMS, chemically induced/ VAGINAL NEOPLASMS, etiology/ VAGINAL NEOPLASMS, pathology

Munro DD, Clift DC: Pituitary-adrenal function after prolonged use of topical corticosteroids.
Br J Dermatol 88:381-5, Apr 73
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADULT/ AGED/ BETAMETHASONE, therapeutic use/ BLOOD SUGAR, analysis/ CHILD/ ECZEMA, drug therapy/ FEMALE/ FLUOCINOLONE ACETONIDE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, adverse effects/ GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ INSULIN/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, drug effects/ PSORIASIS, drug therapy/ *SKIN DISEASES, drug therapy/ TIME FACTORS

Munshi SR, Ljungkvist I: Antifertility activity of an indigenous plant preparation (ROC-101). 3. Effect on ultrastructure of the rat uterine luminal epithelium.
Indian J Med Res 60:1791-3, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ *CONTRACEPTIVES, ORAL/ EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICROSCOPY, ELECTRON/ *PLANTS, MEDICINAL/ PROGESTERONE, pharmacodynamics/ RATS/ *UTERUS, cytology/ UTERUS, drug effects

Munshi SR, Rao SS: Antifertility activity of an indigenous plant preparation (ROC-101). I. Effect on reproduction. Indian J Med Res 60:1054-60, Jul 72
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ ESTRUS/ FEMALE/ FERTILITY/ FERTILITY, drug effects/ GUINEA PIGS/ *HERBS/ MALE/ MICE/ NIDATION/ ORGAN WEIGHT/ OVARY, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ RABBITS/ RATS/ *REPRODUCTION/ STERILITY, MALE, etiology/ THYMUS GLAND, anatomy & histology/ UTERUS, anatomy & histology/ VAGINA, growth & development

Murad TM, Leibach J, Von Haam E: Latent effect of DMBA on adrenal glands of Sprague-Dawley rats: an ultrastructural study. Exp Mol Pathol 18:305-15, Jun 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, pathology/ ADRENAL MEDULLA, anatomy & histology/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, pathology/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES, pharmacodynamics/ *CALCINOSIS, chemically induced/ FEMALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ RATS/ TRITIUM

Murad TM, Mancini R, Geroge J: Ultrastructure of a virilizing ovarian sertoli-leydig cell. Tumor with familial incidence. Cancer 31:1440-50, Jun 73
ADOLESCENCE/ FEMALE/ HUMAN/ INCLUSION BODIES, VIRAL/ LEYDIG CELL TUMOR, familial & genetic/ *LEYDIG CELL TUMOR, pathology/ MICROSCOPY, ELECTRON/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, familial & genetic/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, microbiology/ *OVARIAN NEOPLASMS, pathology/ *OVARY, pathology/ SERTOLI CELL TUMOR, familial & genetic/ *SERTOLI CELL TUMOR, pathology

2693. **Murie N, Ferrand B, Etienne P:** Le cancer des parathyroïdes. Revue générale de 109 observations.
Nouv Presse Med 2:1293-6, 12 May 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, blood/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ MALE/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ *PARATHYROID NEOPLASMS/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, therapy/ PROGNOSIS

2694. **Murphy BE:** Competitive binding to multiple stereospecific binding agents as a means of verifying the identity of a ligand application to cortisol in human umbilical cord blood.
J Steroid Biochem 4:227-31, Mar 73
BINDING, COMPETITIVE/ BLOOD/ CATS/ CHICKENS/ HORSES/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ MONKEYS/ SPECIES SPECIFICITY/ TRANSCORTIN/ TRITIUM/ *UMBILICAL CORD

2695. **Murray DK:** Chromophobe adenoma of pituitary--the silent lesion. A case report.
Can J Ophthalmol 8:164-6, Jan 73
*ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, radiography/ ADENOMA, CHROMOPHOBE, surgery/ ADULT/ ARTERIAL OCCLUSIVE DISEASES, complications/ ARTERIAL OCCLUSIVE DISEASES, etiology/ COLOR BLINDNESS, etiology/ *EYE MANIFESTATIONS/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ OPHTHALMIC ARTERY/ *PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, surgery/ *VISION DISORDERS, etiology/ VISUAL ACUITY/ VISUAL FIELDS

2696. **Murray TM, Peacock M, Powell D, et al:** Non-autonomy of hormone secretion in primary hyperparathyroidism.
Clin Endocrinol (Oxf) 1:235-46, Jul 72
ADENOMA, blood/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CALCIUM, diagnostic use/ CARCINOMA, blood/ EDTA, diagnostic use/ FEMALE/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, diagnostic use/ PARATHYROID NEOPLASMS, blood/ RADIOIMMUNOASSAY

2697. **Murthy AS, Vawter GF, Bhaktaviziam A:** Neoplasms in Wistar rats after an n-methyl-n-nitrosourea injection.
Arch Pathol 96:53-7, Jul 73
ANIMAL EXPERIMENTS/ ATROPHY, chemically induced/ CATARACT, chemically induced/ CYSTS, chemically induced/ FEMALE/ HORMONES/ ISLANDS OF LANGERHANS/ KERATOSIS, chemically induced/ KIDNEY, physiology/ MALE/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ *NITROSOUREA COMPOUNDS, adverse effects/ PANCREATIC DISEASES, chemically induced/ RATS/ RATS, INBRED STRAINS/ RETINAL DISEASES, chemically induced

2698. **Muscalu I, Constantinescu I:** Vasopressin and cerebral tiredness. Rev Roum Physiol 10:160-75, 1973
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN, metabolism/ DOGS/ *FATIGUE, MENTAL, metabolism/ NEUROHUMORS, physiology/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/

U. of I. URBANA-CHAMPAIGN

*VASOPRESSIN, metabolism/ VASOPRESSIN, pharmacodynamics

2699. **Mussa A:** I carcinomi della tiroide nell'età pediatrica.
Minerva Chir 28:421-34, 31 Mar 73 (Ita)
ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiotherapy/ ADOLESCENCE/ BIOPSY/ CARCINOMA, diagnosis/ CARCINOMA, pathology/ CARCINOMA, radiotherapy/ CARCINOMA, PAPILLARY, diagnosis/ CARCINOMA, PAPILLARY, pathology/ CARCINOMA, PAPILLARY, radiotherapy/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, pathology

2700. **Mustafá A, Chávez Domínguez R, Zimbrón A, et al:** Inhibición de la captación tiroidéa de yodo radiactivo por un glicósido cardíaco.
Arch Inst Cardiol Mex 43:288-92, Mar-Apr 73 (Spa)
ANIMAL EXPERIMENTS/ CATS/ DIGITOXIN, administration & dosage/ *DIGITOXIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ RADIOISOTOPE SCANNING/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ TIME FACTORS

2701. **Mustakallio A, Kaufman HE, Johnston G, et al:** Corticosteroid efficacy in postoperative uveitis.
Ann Ophthalmol 5:719-30, Jun 73
*CATARACT EXTRACTION/ CATARACT EXTRACTION, adverse effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ EVALUATION STUDIES/ HUMAN/ HYDROCORTISONE, TOPICAL, administration & dosage/ *HYDROCORTISONE, TOPICAL, therapeutic use/ METHODS/ *POSTOPERATIVE COMPLICATIONS, drug therapy/ *UVEITIS, drug therapy

2702. **Myers DJ, Speer VC:** Effects of an antibiotic and flushing on performance of sows with short farrowing intervals.
J Anim Sci 36:1125-8, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BIRTH WEIGHT/ CHLORTETRACYCLINE, administration & dosage/ *CHLORTETRACYCLINE, pharmacodynamics/ ESTRUS/ FEMALE/ LACTATION/ *REPRODUCTION/ *SWINE, physiology/ TIME FACTORS/ WEANING

2703. **Myers RD, Martin GE:** The role of cerebral serotonin in the ethanol preference of animals.
Ann NY Acad Sci 215:135-44, 30 Apr 73
ALCOHOL DRINKING/ ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ *ALCOHOLISM, etiology/ ANIMAL EXPERIMENTS/ BRAIN/ *BRAIN, metabolism/ CEREBRAL VENTRICLES/ ELECTRIC STIMULATION/ HYPOTHALAMUS, analysis/ PERFUSION/ RATS/ *SEROTONIN, metabolism

2704. **Myers RD, Waller MB:** Differential release of acetylcholine from the hypothalamus and mesencephalon of the monkey during regulation.
J Physiol (Lond) 230:273-93, Apr 73
ACETYLCHOLINE, analysis/ *ACETYLCHOLINE, secretion/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *BODY TEMPERATURE REGULATION/ BRAIN MAPPING/ COLD/ HEAT/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, secretion/ ILEUM, drug effects/ MACACA/ MALE/ MESENCEPHALON, anatomy & histology/ *MESENCEPHALON, secretion/ MONKEYS/ MUSCLE, SMOOTH, drug effects/ SECRETORY RATE

2705. **Myerson RM:** Metabolic aspects of alcohol and their biological significance.
Med Clin North Am 57:925-40, Jul 73 (138 ref.)
ACETALDEHYDE, metabolism/ ALCOHOL, ETHYL, adverse effects/ *ALCOHOL, metabolism/ ALCOHOL OXIDOREDUCT metabolism/ *ALCOHOLISM, metabolis ANIMAL EXPERIMENTS/ BONE AND metabolism/ CATALASE, metabolism/ WITHDRAWAL SYMPTOMS/ ENDOCR DISEASES, chemically induced/ GASTROINTESTINAL DISEASES, chem induced/ HEMATOLOGIC DISEASES, chemically induced/ HEPATITIS, TOX etiology/ HUMAN/ KIDNEY, metaboli LIPIDS, metabolism/ *LIVER, metaboli MUSCULAR DISEASES, chemically ind MYOCARDIAL DISEASES, SECONDAR chemically induced/ PERIPHERAL NE DISEASES, chemically induced/ PSYC ALCOHOLIC, etiology/ REVIEW

N

2706. **Nadakal AM, John KO, Mohandas A, et al:** R potential of certain breeds of domestic fow to Raillietina tetragona infections. 7. cortisone on R. tetragona. Poult Sci 52:682
ANIMAL EXPERIMENTS/ CESTODA/ CESTODA, analysis/ *CHICKENS/ CO administration & dosage/ *CORTISON pharmacodynamics/ ECOLOGY/ GLYC analysis/ INJECTIONS, SUBCUTANEO INTESTINES, pathology/ LEUKOCYTE COUNT/ *POULTRY DISEASES/ POU DISEASES, pathology/ RAILLIETINIA pathology/ *RAILLIETINIASIS, veteri

2707. **Nadler RD:** Further evidence on the intrahyp locus for androgenization of female r
Neuroendocrinology 12:110-9, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATIO *ESTRUS, drug effects/ FEMALE/ *HYPOTHALAMUS, drug effects/ OV growth & development/ OVULATION, effects/ RATS/ *TESTOSTERONE, administration & dosage/ TESTOSTER pharmacodynamics

2708. **Naftolin F, Khudr G, Benirschke K, et al:** The of chronic abruptio placentae, hydrorr circumvallate placenta.
Am J Obstet Gynecol 116:347-50, 1 J
ABNORMALITIES, diagnosis/ ABRUP PLACENTAE, complications/ *ABRUP PLACENTAE, diagnosis/ ADULT/ AM FLUID, analysis/ FEMALE/ HUMAN/ LAPAROTOMY/ *PLACENTA DISOR PREGNANCY/ *PREGNANCY COMPLICATIONS/ SYNDROME/ UTE HEMORRHAGE, etiology

2709. **Naftolin F, Yen SS, Perlman D, et al:** patterns of serum gonadotropins duri menstrual cycle.
J Clin Endocrinol Metab 37:6-10, Jul
ADULT/ FEMALE/ *FSH, blood/ FS secretion/ HUMAN/ *LH, blood/ LH, secretion/ *MENSTRUATION/ OVULA SLEEP, REM/ SLEEP STAGES

2710. **Nagai S, Kunii H:** Gonadotrophic fluctuation during pregnancy, labor and early stage of
Tohoku J Exp Med 108:199-206, Nov
ANIMAL EXPERIMENTS/ ASCORBIC metabolism/ FEMALE/ *FSH, metabol GESTATIONAL AGE/ *LABOR/ *LAC *LH, metabolism/ ORGAN WEIGHT/ anatomy & histology/ OVARY, metab PITUITARY GLAND, metabolism/ *PREGNANCY, ANIMAL/ RATS/ SH

2711. **Nagle CA, Neuspiller NR, Cardinali DP, et** and effect of 17 -estradiol on pineal hydroxy-indole-O-methyl transferase (H activity. Life Sci [II] 11:1109-16, 22
S-ADENOSYLMETHIONINE/ ANIMAL EXPERIMENTS/ CASTRATION/ CER CORTEX, metabolism/ CHROMATOGR THIN LAYER/ DRUG INTERACTION ENZYME ACTIVATION, drug effects/ ESTRADIOL, administration & dosage ESTRADIOL, metabolism/ *ESTRADIO

pharmacodynamics/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ *METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ PINEAL BODY, drug effects/ *PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ RATS/ RECEPTORS, HORMONE, drug effects/ SEROTONIN/ TIME FACTORS/ TRITIUM/ UTERUS, metabolism

agler J, Conforti N, Feldman S: Alterations produced by cortisol in the spontaneous activity and responsiveness to sensory stimuli of single cells in the tuberal hypothalamus of the rat. Neuroendocrinology 12:52-66, 1973
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, secretion/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ *HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MALE/ NEURAL TRANSMISSION/ *NEURONS, physiology/ PHOTIC STIMULATION/ RATS/ SCIATIC NERVE, physiology

agrani P, Abdi SH, Das AC: Effect of oestrogen administration on the corpora lutea of albino rats. Indian J Med Res 60:1779-84, Dec 72
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ *DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ RATS

agy F, Edmonds RH: Morphology of the reproductive system of the armadillo. The spermatogonia. Morphol 140:307-19, Jul 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CHROMATIN/ EPIDIDYMIS, cytology/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ INTERCELLULAR JUNCTIONS/ MALE/ *MARSUPIALIA, anatomy & histology/ METHODS/ MICROSCOPY, ELECTRON/ RIBOSOMES/ SPERMATOZOA, cytology/ TESTIS, cytology

has N, Gutman A: In vitro activation of leukocyte glycogen synthetase. Biochem Biophys Res Commun 52:21-6, 1 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ FREEZING/ GEL FILTRATION/ GLUCOSEPHOSPHATES, pharmacodynamics/ *GLUCOSYLTRANSFERASES, blood/ GLYCOGEN SYNTHETASE, blood/ GLYCOGEN SYNTHETASE, metabolism/ HUMAN/ KINETICS/ *LEUKOCYTES, enzymology/ MAGNESIUM, pharmacodynamics/ TEMPERATURE/ TIME FACTORS

horski SR, Rogers KJ: The adenosine ',5'-monophosphate content of brain tissue obtained by an ultra-rapid freezing technique. Brain Res 51:332-6, 15 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ FREEZING/ METHODS/ MICE/ MOTOR ACTIVITY/ RATS

ik SR, Kelkar MR, Sheth UK: Effect of stress on carrageenin inflammation in rats. Indian J Med Res 60:1316-22, Sep 72
ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ANIMAL EXPERIMENTS/ CARRAGEENAN/ EDEMA, chemically induced/ *EDEMA, prevention & control/ HYDROCORTISONE, therapeutic use/ MALE/ PROPRANOLOL, therapeutic use/ RATS/ *STRESS, physiopathology

dra ME, Watson AR: Leg weakness of poultry--a clinical and pathological characterisation. Aust Vet J 48:645-56, Dec 72 (55 ref.)
ANIMAL EXPERIMENTS/ AUSTRALIA/ BONE DISEASES, veterinary/ BOTULISM, veterinary/ CHICKENS/ DEFICIENCY DISEASES, veterinary/ DERMATITIS, veterinary/ ENCEPHALOMYELITIS, veterinary/ FOOT DISEASES, veterinary/ *HINDLIMB, pathology/ MUSCULAR DISEASES, veterinary/ OSTEOMYELITIS, veterinary/ OSTEOPOROSIS, veterinary/ PARALYSIS, veterinary/ *POULTRY DISEASES, pathology/ REVIEW/ RICKETS, veterinary/ SPINAL CORD COMPRESSION, veterinary/ SPONDYLOLISTHESIS, veterinary/ SYNOVITIS, veterinary/ THORACIC VERTEBRAE, pathology/ TIBIA, pathology/ TOES, pathology/ TURKEYS

2719. Najenson T, Rosenfeld JB, Aloof S, et al: Plasma renin studies in patients with traumatic spinal cord injuries. Isr J Med Sci 9:587-91, May 73
ADULT/ ANGIOTENSIN, physiology/ CREATININE, blood/ DIET, SALT-FREE/ HUMAN/ HYPERTENSION, blood/ MALE/ MIDDLE AGE/ PARAPLEGIA, blood/ POSTURE/ PROTEINURIA/ PYELONEPHRITIS/ QUADRIPLEGIA, blood/ *RENIN, blood/ RENIN, physiology/ SODIUM, urine/ SODIUM CHLORIDE, pharmacodynamics/ *SPINAL CORD INJURIES, blood/ TIME FACTORS

2720. Nakagawa K, Mashimo K: Suppression of exercise-induced growth hormone release with dexamethasone. Horm Metab Res 5:225-6, May 73
ADULT/ AUTOANALYSIS/ BLOOD SUGAR, analysis/ *DEXAMETHASONE, pharmacodynamics/ *EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOCORTICOIDS, blood/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TIME FACTORS

2721. Nakagawa S, Inoue J: [A new in vitro thyroid function test with "Res-O-Mat ETR" diagnostic kit] Jap J Nucl Med 9:551-60, Dec 72 (Jap)
ADULT/ BLOOD PROTEIN DISORDERS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ RESINS/ TEMPERATURE/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS, instrumentation/ THYROXINE, blood/ TRIIODOTHYRONINE, diagnostic use

2722. Nakano J, Koss MC: Pathophysiologic roles of prostaglandins and the action of aspirin-like drugs. South Med J 66:709-23, Jun 73 (154 ref.)
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ CARDIOVASCULAR SYSTEM, drug effects/ CARDIOVASCULAR SYSTEM, physiopathology/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, physiopathology/ DIARRHEA, drug therapy/ DOGS/ ENDOCRINE GLANDS, drug effects/ GASTROINTESTINAL DISEASES, chemically induced/ GASTROINTESTINAL SYSTEM, drug effects/ GASTROINTESTINAL SYSTEM, physiopathology/ GUINEA PIGS/ HUMAN/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ PULMONARY EMBOLISM, drug therapy/ RABBITS/ RATS/ RESPIRATORY SYSTEM, drug effects/ RESPIRATORY SYSTEM, physiopathology/ RESPIRATORY TRACT DISEASES, chemically induced/ REVIEW/ SKIN, drug effects/ UROGENITAL SYSTEM, drug effects/ UROGENITAL SYSTEM, physiopathology/ UROLOGIC DISEASES, chemically induced

2723. Nakayama I, Nickerson PA: Ultrastructural study of two gonadotrophs in rats bearing an adrenocortical carcinoma (Snell 494). Am J Pathol 71:279-94, May 73
ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ *CARCINOMA, pathology/

U. of I., URBANA-CHAMPAIGN

CELLULAR INCLUSIONS/ FEMALE/ *FSH, secretion/ GOLGI APPARATUS/ *LH, secretion/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ *OVARY/ *PITUITARY GLAND, pathology/ RATS

2724. **Nakayama T:** [Female gonadal gland] Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
ADULT/ AGED/ *AGING/ ANDROGENS, biosynthesis/ ESTRADIOL, biosynthesis/ ESTROGENS, blood/ ESTROGENS, urine/ ESTRONE, biosynthesis/ FEMALE/ FSH, urine/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYDROXYPROGESTERONE, blood/ LH, urine/ MENOPAUSE/ MIDDLE AGE/ *OVARY, physiology/ PITUITARY GLAND, physiology/ PREGNANEDIOL, urine/ REVIEW

2725. **Nakayama T:** [Female gonadal gland] Clin Endocrinol (Tokyo) 21:35-40, Jan 73 (15 ref.) (Jap)
ADULT/ AGED/ *AGING/ ANDROGENS, biosynthesis/ ESTRADIOL, biosynthesis/ ESTROGENS, blood/ ESTROGENS, urine/ ESTRONE, biosynthesis/ FEMALE/ FSH, urine/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYDROXYPROGESTERONE, blood/ LH, urine/ MENOPAUSE/ MIDDLE AGE/ *OVARY, physiology/ PITUITARY GLAND, physiology/ REVIEW

2726. **Nalda Felipe MA:** Anestesia disociativa. Rev Esp Anestesiol Reanim 20:141-9, Apr 73 (Spa)
*ANESTHESIA, GENERAL/ *ANESTHETICS/ COMPARATIVE STUDY/ DIAZEPAM/ HUMAN/ KETAMINE/ PHENCYCLIDINE/ SEROTONIN

2727. **Napoli LD, Hansen HH, Muggia FM, et al:** The incidence of osseous involvement in lung cancer, with special reference to the development of osteoblastic changes. Radiology 108:17-21, Jul 73
*ADENOCARCINOMA/ ADENOCARCINOMA, pathology/ ADULT/ AGED/ BIOPSY/ BONE AND BONES, pathology/ BONE MARROW EXAMINATION/ BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, pathology/ *BONE NEOPLASMS, radiography/ BONE RESORPTION, radiography/ *CARCINOMA/ CARCINOMA, pathology/ *CARCINOMA, BRONCHOGENIC/ CARCINOMA, BRONCHOGENIC, pathology/ *CARCINOMA, EPIDERMOID/ CARCINOMA, EPIDERMOID, pathology/ CARCINOMA, OAT CELL, pathology/ FEMALE/ HUMAN/ *LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RADIOISOTOPE SCANNING/ STRONTIUM ISOTOPES

2728. **Nappi AJ:** Hemocytic changes associated with the encapsulation and melanization of some insect parasites. Exp Parasitol 33:285-302, Apr 73 (109 ref.)
ANIMAL EXPERIMENTS/ BLOOD CELLS, cytology/ BLOOD CELLS, immunology/ BLOOD CELLS, physiology/ CELL AGGREGATION/ CHEMOTAXIS/ DROSOPHILA MELANOGASTER, cytology/ DROSOPHILA MELANOGASTER, immunology/ DROSOPHILA MELANOGASTER, physiology/ ECDYSONE, physiology/ HORMONES, physiology/ HOUSEFLIES, cytology/ HOUSEFLIES, immunology/ HOUSEFLIES, physiology/ IMMUNITY, CELLULAR/ INSECT CONTROL/ INSECTS, cytology/ *INSECTS, immunology/ INSECTS, physiology/ JUVENILE HORMONES, physiology/ LARVA, immunology/ MELANIN/ *NEMATODA, immunology/ PEST CONTROL, BIOLOGICAL/ REVIEW

2729. **Narasimhachari N, Avalos J, Fujimori M, et al:** Studies of drug-free schizophrenics and controls. Biol Psychiatry 5:311-8, Dec 73
ADULT/ AGED/ CHROMATOGRAPHY, THIN LAYER/ CHRONIC DISEASE/ DIET/ DIMETHYLTRYPTAMINE, urine/ *HALLUCINOGENS, urine/ HUMAN/ MALE/ MIDDLE AGE/ SCHIZOPHRENIA, diagnosis/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, urine/ SCHIZOPH PSYCHOLOGY/ SEROTONIN/ TRANQUILIZING AGENTS, therapeut *TRYPTAMINES, urine

2730. **Narbaitz R:** Cytological and cytochemical st chick chorionic epithelium. Rev Can Biol 31:259-67, Dec 72
ABSORPTION/ ANIMAL EXPERIMEN BIOLOGICAL TRANSPORT/ *CALCIU metabolism/ CHICK EMBRYO/ ELEC PROBE MICROANALYSIS/ EPITHELI CELLS, metabolism/ *FETAL MEMBR cytology/ FETAL MEMBRANES, meta HISTOCYTOCHEMISTRY

2731. **Narbaitz R, Bélanger LF, Hunt BJ:** Calcium by the chick embryo. An experimental Calcif Tissue Res 11:238-41, 12 Mar
ANIMAL EXPERIMENTS/ BONE AN analysis/ BONE AND BONES, anatom histology/ BONE AND BONES, radio CALCIUM, analysis/ CALCIUM, blood *CALCIUM, metabolism/ CHICK EMB MICRORADIOGRAPHY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STATISTICS

2732. **Narębski J:** Wewnątrzmózgowy wzorzec te set point zwierząt stałocieplnych. Acta Physiol Pol [Suppl] 24:77-89, 19
ANIMAL EXPERIMENTS/ BIRDS/ B physiology/ BODY SURFACE AREA/ TEMPERATURE/ *BODY TEMPERAT REGULATION/ BRAIN, blood supply physiology/ ENVIRONMENT/ EXERT HYPOTHALAMUS, physiology/ MAM SHIVERING/ SKIN TEMPERATURE/ SWEATING/ TIME FACTORS

2733. **Narumi S, Kanno M:** Effects of gastric acid and inhibitors on the activities of HCO 3 - - Mg 2+ -dependent ATPase and carbonic a rat gastric mucosa. Biochim Biophys Acta 311:80-9, 7 Ju
ACETAZOLAMIDE, pharmacodynamic *ADENOSINE TRIPHOSPHATASE, m ANIMAL EXPERIMENTS/ *ANTIMETABOLITES, pharmacodyna ATROPINE, pharmacodynamics/ BICARBONATES/ CARBACHOL, pharmacodynamics/ *CARBONIC AN metabolism/ GASTRIC JUICE, secre GASTRIC MUCOSA, drug effects/ * MUCOSA, enzymology/ GASTROINT HORMONES, pharmacodynamics/ HI pharmacodynamics/ IN VITRO/ MA MALE/ OLIGOPEPTIDES, pharmaco OUABAIN, pharmacodynamics/ RAT SUCCINATE DEHYDROGENASE, m THIOCYANATES, pharmacodynamics

2734. **Narumi S, Maki Y:** Possible role of cyc gastric acid secretion in rat. Activation anhydrase. Biochim Biophys Acta 311:9
ADENOSINE CYCLIC 3',5' MONOPH analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *A CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPE CARBACHOL, pharmacodynamics/ * ANHYDRASE, metabolism/ ENZYM ACTIVATION/ FASTING/ GASTRIC drug effects/ *GASTRIC JUICE, en GASTRIC JUICE, secretion/ GASTROINTESTINAL HORMONES, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MALE/ OLIGOP pharmacodynamics/ PERFUSION/ P KINASE, metabolism/ RATS/ THEOPHYLLINE, pharmacodynamics FACTORS

2735. **Nasello AG, Marichich ES:** Effects of some adrenergic and serotoninergic compoun acid and GABA on hippocampal se Pharmacology 9:233-9, 1973
ACETYLCHOLINE, pharmacodynami *AMINOBUTYRIC ACID, pharmacod

ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ P-CHLOROPHENYLALANINE, pharmacodynamics/ *CONVULSIONS, chemically induced/ DIBENAMINE, pharmacodynamics/ FEMALE/ *GLUTAMATES, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ MALE/ METHYLTYROSINES, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PERFUSION/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ *SYMPATHOMIMETICS, pharmacodynamics

Nasemann T, Schröpl F, Wollenweber J, et al: Atypisches, isoliertes Trichoepitheliom am Kinn. Hautarzt 24:105-10, Mar 73 (Ger)
AGED/ *CHIN/ DIAGNOSIS, DIFFERENTIAL/ HEMANGIOENDOTHELIOMA, diagnosis/ HEMANGIOPERICYTOMA, diagnosis/ HUMAN/ INJECTIONS, INTRADERMAL/ MALE/ MICROSCOPY, ELECTRON/ SKIN NEOPLASMS, diagnosis/ SKIN NEOPLASMS, drug therapy/ *SKIN NEOPLASMS, pathology/ SKIN NEOPLASMS, radiotherapy/ TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, therapeutic use

Nashold BS Jr, Flanigin H Jr, Wilson WP, et al: Stereotactic evaluation of bitemporal epilepsy with electrodes and lesions. Confin Neurol 35:94-100, 1973
AMYGDALOID BODY, physiopathology/ ELECTRODES, IMPLANTED/ EPILEPSY, diagnosis/ *EPILEPSY, surgery/ HIPPOCAMPUS, physiopathology/ HUMAN/ *STEREOTAXIC TECHNICS

Natelson BH, Smith GP, Stokes PE, et al: Changes of plasma glucose and insulin during defense reactions in monkeys. Am J Physiol 224:1454-62, Jun 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ BEHAVIOR, ANIMAL/ DILATATION/ ELECTRIC STIMULATION/ ELECTROSHOCK/ *EMOTIONS/ HYPERGLYCEMIA, etiology/ *HYPOTHALAMUS, physiology/ IMMOBILIZATION/ *INSULIN, blood/ MACACA/ MONKEYS/ MOTOR ACTIVITY/ PUPIL, physiology

Naud A, Naud R, Plante R: Amyloïdose thyroïdienne et vésicale.
Union Med Can 102:353-6, Feb 73 (Fre)
*AMYLOIDOSIS, complications/ AMYLOIDOSIS, diagnosis/ BIOPSY/ BLADDER, pathology/ *BLADDER DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ HUMAN/ MIDDLE AGE/ *THYROID DISEASES, complications/ THYROID GLAND, pathology

Nauman J, Nauman A: Wpływ prednisonu w dawhach immunosupresyjnych na kliniczny przebieg naciekowych zmian ocznych i dynamikę zachowania się LATS w surowicy prwi.
Pol Arch Med Wewn 50:449-58, May 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ EXOPHTHALMOS, drug therapy/ EXOPHTHALMOS, immunology/ EYE MOVEMENTS, drug effects/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *IMMUNOSUPPRESSION/ *LONG-ACTING THYROID STIMULATOR, blood/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use

Nava S, Lauria F, Cortesi GP: Sul trattamento di aritmie cosiddette intrattabili. Contributo casistico.
Minerva Cardioangiol 21:381-5, May 73 (Ita)
*ARRHYTHMIA, drug therapy/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, administration & dosage/ MIDDLE AGE

2742. **Navakatikian AO, Kundiev IuI, Lysina GG, et al:** Vliianie umstvennogo truda s raziichnoi stepen'iu nervno-emotsional'nogo napriazheniia na serdechno-sosudistuiu sistemu.
Kardiologiia 13:50-6, Mar 73 (Rus)
ADULT/ BLOOD PRESSURE/ *CARDIOVASCULAR SYSTEM, physiology/ CATECHOLAMINES, urine/ ELECTROCARDIOGRAPHY/ ENGINEERING/ ENGLISH ABSTRACT/ *FATIGUE, MENTAL/ FEMALE/ HEART, physiology/ HEART RATE/ HEMODYNAMICS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ NEUROSURGERY/ *OCCUPATIONS/ PRINTING/ *STRESS, PSYCHOLOGICAL/ VASCULAR RESISTANCE

2743. **Nayar M:** Kyasanur Forest disease virus encephalitis in mice. Effect of cortisone on the encephalitic lesions.
Indian J Med Res 60:1427-31, Oct 72
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, biosynthesis/ BLOOD, microbiology/ BRAIN, microbiology/ BRAIN, pathology/ CORTISONE, administration & dosage/ *CORTISONE, therapeutic use/ *ENCEPHALITIS, TICK-BORNE, drug therapy/ ENCEPHALITIS, TICK-BORNE, immunology/ ENCEPHALITIS, TICK-BORNE, microbiology/ ENCEPHALITIS, TICK-BORNE, pathology/ ENCEPHALITIS VIRUSES, TICK-BORNE, immunology/ HEMAGGLUTINATION INHIBITION TESTS/ MICE

2744. **Nayler WG:** Positive inotropic action of ouabain.
Br Heart J 35:561, May 73
BINDING SITES, drug effects/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ *HEART, drug effects/ HUMAN/ LANTHANUM, pharmacodynamics/ MYOCARDIUM, metabolism/ *OUABAIN, pharmacodynamics

2745. **Nazipov AA:** Analiz iaremnoĭ flebogrammy bol'nykh tireotoksicheskim zobom do i posle stuméktomii.
Kardiologiia 12:114-5, Dec 72 (Rus)
GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ *JUGULAR VEIN, radiography/ PHLEBOGRAPHY

2746. **Neal P, Baker TG:** Response of mouse ovaries in vivo and in organ culture to pregnant mare's serum gonadotrophin and human chorionic gonadotrophin.
J Reprod Fertil 33:399-401, Jun 73
ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ MEIOSIS, drug effects/ MICE/ ORGAN CULTURE/ OVARY, anatomy & histology/ *OVARY, drug effects/ OVULATION, drug effects/ OVUM, drug effects/ TIME FACTORS

2747. **Neaves WB:** Changes in testicular leydig cells and in plasma testosterone levels among seasonally breeding rock hyrax. Biol Reprod 8:451-66, May 73
ANIMAL EXPERIMENTS/ *BREEDING/ *ENDOPLASMIC RETICULUM, anatomy & histology/ *LEYDIG CELLS, cytology/ MALE/ *MAMMALS/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ SEMINAL VESICLES, anatomy & histology/ SEX BEHAVIOR, ANIMAL/ *TESTIS, anatomy & histology/ TESTIS, cytology/ TESTIS, surgery/ TESTOSTERONE, blood

2748. **Needleman P, Kauffman AH, Douglas JR Jr, et al:** Specific stimulation and inhibition of renal prostaglandin release by angiotensin analogs.
Am J Physiol 224:1415-9, Jun 73
ANGIOTENSIN, antagonists & inhibitors/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ CHICKENS/ COLON, drug effects/ DOSE-RESPONSE RELATIONSHIP,

U. OF I., URBANA-CHAMPAIGN

DRUG/ EPINEPHRINE, pharmacodynamics/ FEMALE/ INDOMETHACIN, pharmacodynamics/ *KIDNEY, drug effects/ MODELS, BIOLOGICAL/ MUSCLE, SMOOTH, drug effects/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ RECTUM, drug effects/ SHOCK, HEMORRHAGIC, drug therapy/ STOMACH, drug effects

2749. **Neeman M, Osawa Y, Mukai T:** Regiospecific syntheses of modified steroid hormones. II. 4-Fluoro-17 -oestradiol and -oestrone.
J Chem Soc [Perkin I] 18:2297-300, 1972
*ESTRADIOL, chem synthesis/ *ESTRONE, chem synthesis/ FLUORINE/ METHODS/ NORSTEROIDS, chem synthesis/ SPECTRUM ANALYSIS

2750. **Neer EJ:** The vasopressin-sensitive adenylate cyclase of the rat renal medulla.
J Biol Chem 248:4775-81, 10 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ FEMALE/ FLUORIDES, pharmacodynamics/ *KIDNEY, enzymology/ KIDNEY MEDULLA, analysis/ KIDNEY MEDULLA, cytology/ KIDNEY MEDULLA, enzymology/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALE/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, analysis/ RATS/ SWINE/ TEMPERATURE/ VASOPRESSIN, isolation & purification/ *VASOPRESSIN, pharmacodynamics

2751. **Negro-Vilar A, Orias R, McCann SM:** Evidence for a pituitary site of action for the acute inhibition of LH release by estrogen in the rat.
Endocrinology 92:1680-4, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LH/ *LH, blood/ OVARY, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ TIME FACTORS

2752. **Nelson J, Smith SM:** Egg shell calcification in phaeochromocytoma.
J R Coll Surg Edinb 18:183-7, May 73
ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, pathology/ *CALCINOSIS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, pathology

2753. **Nelson DA, Yates TS Jr, Thomas RB Jr:** Complications from intrathecal steroid therapy in patients wsith multiple sclerosis. Acta Neurol Scand 49:176-88, 1973
ADULT/ ARACHNOIDITIS, chemically induced/ CEREBROSPINAL FLUID, analysis/ DISABILITY EVALUATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INJECTIONS, INTRATHECAL/ MALE/ MENINGITIS, chemically induced/ METHODS/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ MIDDLE AGE/ *MULTIPLE SCLEROSIS, drug therapy/ NEUROLOGIC EXAMINATION

2754. **Nelson DH, Ruhmann-Wennhold A:** The assay of ACTH in plasma. Mt Sinai J Med NY 40:315-22, May-Jun 73
ADRENAL GLAND HYPOFUNCTION, blood/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ CORTICOTROPIN, standards/ CUSHING'S SYNDROME, complications/ HYPERPLASIA/ METYRAPONE, diagnostic use/ PITUITARY-ADRENAL FUNCTION TESTS/ RADIOIMMUNOASSAY, standards/ RATS/ STRESS, physiopathology

2755. **Nelson-Rees WA, Kiement V, Peterson WD Jr, et al:** Comparative study of two RD 114 virus-indicator cell lines, KC and KB. J Natl Cancer Inst 50:1129-35, May 73
C-TYPE VIRUSES/ CARCINOMA/ *CEL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, enzymology/ CHROMOSOMES/ COMPARATIVE STUD FLUORESCENCE/ GLUCOSEPHOSPHAT DEHYDROGENASE/ HELA CELLS/ HU ISOENZYMES/ MOUTH NEOPLASMS/ *ONCOGENIC VIRUSES/ *RNA VIRUSE ROUS SARCOMA VIRUS/ SEX CHROMOSOMES/ TIME FACTORS

2756. **Németh M, Tényi I, Pár A, et al:** Renalis t acidosis. Orv Hetil 114:1810-4, 29 Jul 73
*ACIDOSIS, RENAL TUBULAR, etiolog ACIDOSIS, RENAL TUBULAR, therapy/ ADULT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications KIDNEY CALCULI, complications

2757. **Németh S, Straková A, Vigaš M:** The role pi adrenal hormones in the increase of liver aminotransferase activity of rats subjected to
Horm Metab Res 5:204-7, May 73
ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIM BLOOD SUGAR, analysis/ CORTICOSTE blood/ *EPINEPHRINE, pharmacodynam FEMALE/ GLYCOGEN, metabolism/ HYPOPHYSECTOMY/ *LIVER, enzymol MALE/ PITUITARY GLAND, physiolog RATS/ RESERPINE, pharmacodynamics *STRESS, enzymology/ TIME FACTORS *TYROSINE AMINOTRANSFERASE, metabolism

2758. **Nemoy NJ, Fichman MP, Sellers A:** Unilateral obstruction. A caue of reversible high renin hypertension. JAMA 225:512-3, 30 Jul 7
ADULT/ ANGIOTENSIN, blood/ AORT ABDOMINAL, radiography/ AORTOGRA HUMAN/ *HYPERTENSION, etiology/ PELVIS, radiography/ MALE/ *RENIN, TIME FACTORS/ *URETERAL OBSTR complications/ URETERAL OBSTRUCTI surgery/ UROGRAPHY/ VENA CAVA, INFERIOR, radiography

2759. **Nershman JM, Nershman FK:** Developmen thyroid control system.
Adv Exp Med Biol 30:417-28, 1972
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYS embryology/ HYPOTHALAMUS, physiol IODINE, metabolism/ MATERNAL-FET EXCHANGE/ PITUITARY GLAND, sec PREGNANCY/ RATS/ *THYROID GLA embryology/ THYROID GLAND, metab THYROID GLAND, secretion/ THYROT metabolism/ THYROTROPIN, secretion

2760. **Netter Lambert A, Yaneva H, Coudouel S, et al** ovarienne et syndrome de Peutz Jeghers. Un cas féminin de tumeur malformative des sexuels.
Ann Med Interne (Paris) 124:187, Mar
ADOLESCENCE/ BIOPSY/ FEMALE/ KARYOTYPING/ MENORRHAGIA, etio METRORRHAGIA, etiology/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, diagnosis/ *PEUTZ-JEGH SYNDROME, complications

2761. **Neumann E, Nachmansohn D, Katchalsk** attempt at an integral interpretation excitability. Proc Natl Acad Sci USA 70:727-
ACETYLCHOLINE, physiology/ ACTIO POTENTIALS/ CALCIUM, metabolism/ MEMBRANE POTENTIALS/ MODELS, NEUROLOGIC/ NEURONS, metabolism *NEURONS, physiology/ RECEPTORS, CHOLINERGIC

2762. **Neuschatz J, Necheles TF:** Hemophilia phenotypically normal girl with XX (r mosaicism. Acta Haematol (Basel) 49:10
BLOOD COAGULATION TESTS/ CHIL PRESCHOOL/ *CHRISTMAS DISEASE, & genetic/ CHROMOSOME ABERRATI

CHROMOSOMES, HUMAN, 6-12/ FACTOR IX, analysis/ FEMALE/ GENES, RECESSIVE/ HUMAN/ KARYOTYPING/ *MOSAICISM/ PHENOTYPE/ *SEX CHROMOSOMES/ TURNER'S SYNDROME, blood

New MI, Siegal EJ, Peterson RE: Dexamethasone-suppressible hyperaldosteronism. J Clin Endocrinol Metab 37:93-100, Jul 73
ADOLESCENCE/ ALDOSTERONE, secretion/ ALDOSTERONE, urine/ CORTICOSTERONE, secretion/ CORTICOTROPIN, diagnostic use/ DESOXYCORTICOSTERONE, diagnostic use/ DESOXYCORTICOSTERONE, secretion/ DEXAMETHASONE, therapeutic use/ DIET/ DIET, SALT-FREE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCORTISONE, secretion/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPERALDOSTERONISM, drug therapy/ *HYPERALDOSTERONISM, metabolism/ 17-KETOSTEROIDS, urine/ MALE/ METYRAPONE, diagnostic use/ PREGNANETRIOL, urine/ RENIN, blood/ SECRETORY RATE

Newman AJ, Melhorn DK: Vertebral compression in childhood leukemia. Am J Dis Child 125:863-5, Jun 73
AGE FACTORS/ CHILD/ FEMALE/ *FRACTURES, SPONTANEOUS, etiology/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiography/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ PREDNISONE, therapeutic use/ REMISSION/ *SPINAL DISEASES, etiology/ SPINAL DISEASES, radiography/ THORACIC VERTEBRAE, radiography

Newsome HH Jr: Pituitary-adrenal responsiveness in surgical patients on acute and chronic corticosteroid therapy: plasma corticosterone assay. Surgery 74:204-13, Aug 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ *CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ GEL FILTRATION/ HYDROCORTISONE, blood/ KIDNEY, transplantation/ *PITUITARY-ADRENAL FUNCTION TESTS/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ STRESS/ SURGERY, MINOR/ *SURGERY, OPERATIVE/ TRANSPLANTATION, HOMOLOGOUS

Nevídalová E, Elis J, Rašková H: Sodium salicylate toxicity and pregnancy in mice. J Pharm Pharmacol 25:80-1, Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ESTRADIOL, pharmacodynamics/ FEMALE/ LETHAL DOSE 50/ MICE/ *PREGNANCY/ PROGESTERONE, pharmacodynamics/ *SALICYLATES, toxicity/ TIME FACTORS

Nguyen-Cong-Thien M, Thieulant ML, Samperez S, et al: Augmentation de l'activité de la 5 alpha stéroïde réductase et de la 3 alpha hydroxystéroïde déshydrogénase dans le cytoplasme de l'hypophyseantérieure du rat castré. C R Acad Sci [D] (Paris) 275:1927-30, 23 Oct 72 (Fre)
ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ *CASTRATION/ CHROMATOGRAPHY/ CYTOPLASM, enzymology/ GEL FILTRATION/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ HYPOTHALAMUS, metabolism/ MALE/ *OXIDOREDUCTASES, analysis/ *PITUITARY GLAND, enzymology/ PUBERTY/ RATS/ RECEPTORS, HORMONE/ STEROIDS, metabolism

Nicholls TJ, Follett BK: Daily rhythms of LH release in quail when gonadal development is initiated by long daylengths. J Reprod Fertil 33:363-4, May 73
ANIMAL EXPERIMENTS/ *BIRDS, physiology/ *CIRCADIAN RHYTHM/ FEMALE/ *GONADS, growth & development/ *LH, blood/ MALE/ RADIOIMMUNOASSAY/ TIME FACTORS

2769. **Nickerson M:** Adrenergic receptors. Circ Res 32:Suppl 1:53-60, 5 May 73 (48 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BLOOD VESSELS, physiology/ CALCIUM, metabolism/ CARDIAC OUTPUT/ CATECHOLAMINES, metabolism/ CATS/ CONSTRICTION/ ENZYME ACTIVATION/ FROGS/ HEART, physiology/ MEMBRANE POTENTIALS/ MODELS, STRUCTURAL/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ MYOCARDIUM, metabolism/ RATS/ *RECEPTORS, ADRENERGIC/ REVIEW/ STIMULATION, CHEMICAL/ VASCULAR RESISTANCE

2770. **Nicol M, Savouré N, Leray G:** Sur le métabolisme expérimental de la déhydroépiandrostérone chez le rat, in vivo. C R Soc Biol (Paris) 166:1356-60, 1972 (Fre)
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CHROMATOGRAPHY/ *DEHYDROEPIANDROSTERONE, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MYOCARDIUM, metabolism/ RATS/ SKIN, metabolism/ TESTIS, metabolism

2771. **Nicolaescu V, Leahu S, Teculescu D, et al:** Desquamative interstitial pneumonia. Report of a case. Rev Roum Med Intern 9:491-7, 1972
AGED/ AUTOPSY/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ *PULMONARY FIBROSIS/ PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, diagnosis/ PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography/ RECURRENCE/ RESPIRATORY INSUFFICIENCY, etiology

2772. **Nicolescu E, Ciplea A:** Comparative modifications of the hypothalamus and adrenal catecholamine level in young and adult male rats after standardized physical effort. Rev Roum Physiol 10:245-50, 1973
*ADRENAL GLANDS, analysis/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, analysis/ EPINEPHRINE, analysis/ *EXERTION/ *HYPOTHALAMUS, analysis/ MALE/ NOREPINEPHRINE, analysis/ RATS/ TIME FACTORS

2773. **Nicolescu E, Ciplea A:** Modifications in the hypothalamus, mesencephalon and adrenal catecholamine level in rats of different ages. Rev Roum Physiol 10:237-44, 1973
*ADRENAL MEDULLA, analysis/ AGE FACTORS/ ANIMALS, NEWBORN/ *CATECHOLAMINES, analysis/ EPINEPHRINE, analysis/ *HYPOTHALAMUS, analysis/ *MESENCEPHALON, analysis/ NOREPINEPHRINE, analysis

2774. **Niculescu I, Rosenbaum S, Gheorghiu A, et al:** Care este valoarea probelor biochimice în diagnosticul cancerului de prostată. Chirurgia (Bucur) 21:697-701, Aug 72 (Rum)
ACID PHOSPHATASE, blood/ BLOOD PROTEINS, analysis/ BLOOD SEDIMENTATION/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MUCOPROTEINS, blood/ PROSTATIC HYPERTROPHY, diagnosis/ *PROSTATIC NEOPLASMS, diagnosis

2775. **Nielsen J, Christensen AL, Schultz-Larsen J, et al:** A psychiatric-psychological study of patients with the XYY syndrome found outside of institutions. Acta Psychiatr Scand 49:159-68, 1973
ADULT/ ANXIETY/ BODY HEIGHT/ HUMAN/ IMPULSIVE BEHAVIOR/ *INTELLIGENCE/ INTELLIGENCE TESTS/ INTERPERSONAL RELATIONS/ LEARNING DISORDERS,

U. of I., URBANA-CHAMPAIGN

complications/ MALE/ MIDDLE AGE/ *PERSONALITY/ PSYCHOLOGICAL TESTS/ *SEX CHROMOSOME ABNORMALITIES/ SEX DISORDERS, complications/ SOCIAL ADJUSTMENT/ SYNDROME

2776. **Nielsen LK, Fris T:** Tyroksinomsaetningens aldersfhaengighed hos eutyreoide patienter. Ugeskr Laeger 135:640-4, 19 Mar 73 **(Dan)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ SEX FACTORS/ *THYROXINE, blood

2777. **Nielubowicz J, Hartwig W, Tolloczko T, et al:** Chirurgiczne leczenie choroby Cushinga. Pol Przegl Chir 45:607-11, May 73 **(Pol)**
ADRENALECTOMY/ *CUSHING'S SYNDROME, surgery/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ METHODS/ POSTOPERATIVE COMPLICATIONS, mortality

2778. **Nieschlag E, Herrmann J, Usadel KH, et al:** Thyroid hypertrophy and hyperfunction caused by active immunization with thyroid hormones. J Endocrinol 57:555-6, Jun 73
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS/ *HYPERTHYROIDISM, immunology/ HYPERTROPHY/ *IMMUNIZATION/ MALE/ ORGAN WEIGHT/ RABBITS/ RADIOIMMUNOASSAY/ *THYROID HORMONES/ THYROXINE/ TRIIODOTHYRONINE

2779. **Nieschlag E, Kley HK, Wiegelmann W, et al:** Lebensalter und endokrine Funktion der Testes des erwachsenen Mannes. Dtsch Med Wochenschr 98:1281-4, 29 Jun 73 **(Ger)**
ADULT/ AGE FACTORS/ AGED/ AGING/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, physiology/ LH, blood/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ *TESTIS, physiology/ TESTIS, secretion/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion

2780. **Niewiarowski S, Senyi AF, Gillies P:** Plasmin-induced platelet aggregation and platelet release reaction. Effects on hemostasis. J Clin Invest 22:1647-59, Jul 73
ADENINE NUCLEOTIDES, metabolism/ AMINOCAPROIC ACID, pharmacodynamics/ ANTIFIBRINOLYTIC AGENTS, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ COLLAGEN, pharmacodynamics/ DIPYRIDAMOLE, pharmacodynamics/ FIBRINOGEN, metabolism/ *FIBRINOLYSIN, pharmacodynamics/ HEMOSTASIS/ HUMAN/ PHENYLBUTAZONE, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEROTONIN, metabolism/ STREPTOKINASE, pharmacodynamics/ SWINE/ THROMBIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics

2781. **Nikolaev OV, Bukhman AI, Kurliandskiĭ AM:** Rentgenodiagnostika retsidivnogo zoba. Khirurgiia (Mock) 48:3-6, Sep 72 **(Rus)**
AGED/ CALCINOSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ *GOITER, radiography/ HUMAN/ RECURRENCE

2782. **Nikolowski W:** Therapie der Akne. Z Allgemeinmed 49:1-5, 10 Jan 73 **(Ger)**
*ACNE, drug therapy/ ADOLESCENCE/ ADULT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE/ TETRACYCLINE, therapeutic use/ VITAMIN A, therapeutic use/ VITAMIN E, therapeutic use

2783. **Nikulcheva NG, Ryzhenkov VE:** Effect of reserpine on FFA mobilization caused by extreme stimulation of animals. Pharmacology 9:217-25, 1973
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ADIPOSE TISSUE, physiology/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, physiology/ ELEC STIMULATION/ EPIDIDYMIS, metaboli FATTY ACIDS, NONESTERIFIED, bloo *FATTY ACIDS, NONESTERIFIED, metabolism/ GUINEA PIGS/ 17-HYDROXYCORTICOSTEROIDS, blood IMMOBILIZATION/ *LIPID MOBILIZAT drug effects/ MALE/ RATS/ *RESERP pharmacodynamics/ STARVATION/ STE metabolism

2784. **Nilles JL, Lapitsky M:** Biomechanical investig bone-porous carbon and porous metal in J Biomed Mater Res 7:63-84, 1973
ANIMAL EXPERIMENTS/ BIOMECHAN BIOPHYSICS/ BONE AND BONES, cyt BONE AND BONES, metabolism/ BON BONES, surgery/ BONE CEMENTS/ *B REGENERATION/ *CARBON/ ELASTI FEMUR, surgery/ HUMERUS, surgery/ *METALS/ MICROSCOPY, ELECTRON/ MINERALS, metabolism/ *PROSTHESIS STAINLESS STEEL/ STAINS AND ST STRESS, MECHANICAL/ TETRACYCL TISSUE ADHESIVES/ TITANIUM/ UR

2785. **Nilsson T, Müntzing J:** Some biochemic histochemical aspects in hyperplasia and car the human prostate. J Surg Oncol 5:205
*ACID PHOSPHATASE, metabolism/ *ALKYLATING AGENTS, therapeutic *AMINOPEPTIDASES, metabolism/ COMPARATIVE STUDY/ *ESTERASES metabolism/ *ESTRADIOL, therapeutic *GLUCURONIDASE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPERPLASIA, enzymology/ MALE/ PIGMENTS/ PROSTATIC NEOPLASMS therapy/ *PROSTATIC NEOPLASMS, enzymology

2786. **Nimmo J, Dixon MF, Prescott LF:** Eff mepyramine, promethazine, and hydrocor paracetamol-induced hepatic necrosis in Clin Toxicol 6:75-81, 1973
ACETAMINOPHEN, administration & *ACETAMINOPHEN, poisoning/ ANIM EXPERIMENTS/ ANTIHISTAMINICS, administration & dosage/ *ANTIHISTA therapeutic use/ BENZYL COMPOUNI BENZYL COMPOUNDS, therapeutic us ETHYLENEDIAMINES/ ETHYLENEDIA therapeutic use/ HYDROCORTISONE, administration & dosage/ *HYDROCOR therapeutic use/ LIVER, pathology/ * DISEASES, chemically induced/ LIVER DISEASES, drug therapy/ LIVER DIS pathology/ MALE/ NECROSIS/ NECRO drug therapy/ NECROSIS, pathology/ PROMETHAZINE, administration & do *PROMETHAZINE, therapeutic use/ PYRIDINES/ PYRIDINES, therapeutic RATS

2787. **Nishizawa C, Miyamori I, Hasaya K, e** [Radioimmunoassay of plasma renin activity--comparison with biological me (improved Skinner's method)] Clin Endocrinol (Tokyo) 20:971-5, Nov
ANGIOTENSIN, blood/ *BIOLOGICAL CHROMATOGRAPHY, PAPER/ COMPA STUDY/ HUMAN/ IODINE ISOTOPES METHODS/ *RADIOIMMUNOASSAY/ blood

2788. **Niven PA, Chard T:** Placental lactogen threatened abortion. Proc R Soc Med 66:1
*ABORTION, THREATENED, blood/ ABORTION, THREATENED, complicat FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PROGNOSIS/ UTERINE HEMORRHAG complications

2789. **Noaillac-Depeyre J, Gas N:** Mise en évidence adaptée au transport des ions dans l'inte carpe commune (Cyprinus carpio L. C R Acad Sci [D] (Paris) 276:773-6, 29 Ja
ANIMAL EXPERIMENTS/ *BIOLOGIC TRANSPORT/ CALCIUM, analysis/ *C

metabolism/ *CYPRINIDAE/ INTESTINES, analysis/ *INTESTINES, metabolism/ MICROSCOPY, ELECTRON/ RECTUM, metabolism/ SODIUM, analysis/ *SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE

Nobin A, Baumgarten HG, Björklund A, et al: Axonal degeneration and regeneration of bulbo-spinal indolamine neurons after 5,6-dihydroxytryptamine treatment. Brain Res 56:1-24, 29 Jun 73
ANIMAL EXPERIMENTS/ AXONS, drug effects/ FEMALE/ HISTOCYTOCHEMISTRY/ *INDOLES/ MEDULLA OBLONGATA, cytology/ *MEDULLA OBLONGATA, drug effects/ MICROSCOPY, FLUORESCENCE/ *NERVE DEGENERATION, drug effects/ NERVE REGENERATION/ *NEURONS, drug effects/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ SPINAL CORD, cytology/ *SPINAL CORD, drug effects/ SPINAL CORD, pathology/ SPINAL CORD COMPRESSION, pathology/ *TRYPTAMINES, pharmacodynamics

Noble RG: Sexual arousal of the female hamster. Physiol Behav 10:973-5, May 73
ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ COITUS/ CUES/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ *HAMSTERS/ HOUSING, ANIMAL/ MALE/ PHYSICAL STIMULATION/ PROGESTERONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ SOCIAL BEHAVIOR/ TOUCH/ VISUAL PERCEPTION

Noble RG: Facilitation of the lordosis response of the female hamster (Mesocricetus auratus). Physiol Behav 10:663-6, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ COITUS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HAMSTERS/ HOUSING, ANIMAL/ MALE/ MOTOR ACTIVITY/ POSTURE/ PROGESTERONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ *SOCIAL BEHAVIOR/ SOCIAL ISOLATION/ TOUCH/ VISUAL PERCEPTION

Noekels CF: The influence of feeding ascorbic acid and sulfate on egg production and on cholesterol content of certain tissues of the hen. Poult Sci 52:373-8, Jan 73
ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ *ASCORBIC ACID, pharmacodynamics/ *CHICKENS, physiology/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ EGGS, analysis/ FEMALE/ LIPIDS, analysis/ LIVER, analysis/ MUSCLES, analysis/ *OVULATION, drug effects/ *SULFATES, pharmacodynamics

Noel GL, Suh HK, Frantz AG: L-dopa suppression of TRH-stimulated prolactin release in man. J Clin Endocrinol Metab 36:1255-8, Jun 73
ADULT/ *DOPA, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ PITUITARY GLAND, drug effects/ *PROLACTIN, blood/ *THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ TIME FACTORS

Noël H: Cryptococcose à formes filamenteuses. Etude des variétés observées dans une lésion cutanée humaine.
Ann Anat Pathol (Paris) 17:509-16, Oct-Dec 72 (Fre)
ADULT/ AMPHOTERICIN B, therapeutic use/ AZATHIOPRINE, therapeutic use/ *CRYPTOCOCCOSIS, microbiology/ CRYPTOCOCCOSIS, pathology/ *CRYPTOCOCCUS/ CRYPTOCOCCUS NEOFORMANS/ ENGLISH ABSTRACT/ FEMALE/ GRAFT REJECTION, drug therapy/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, surgery/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ *SKIN DISEASES, microbiology/ SKIN DISEASES, pathology/ TRANSPLANTATION, HOMOLOGOUS

2796. **Noël P, Hubert JP, Ectors M, et al:** Agenesis of the corpus callosum associated with relapsing hypothermia. A clinico-pathological report. Brain 96:359-68, Jun 73
ADULT/ AUTOPSY/ BODY TEMPERATURE REGULATION/ CEREBRAL ANGIOGRAPHY/ *CORPUS CALLOSUM, abnormalities/ CORPUS CALLOSUM, pathology/ DIAGNOSIS, DIFFERENTIAL/ ELECTROENCEPHALOGRAPHY/ GLIOSIS/ HUMAN/ HYPOTHALAMUS, pathology/ *HYPOTHERMIA, etiology/ HYPOTHERMIA, pathology/ MALE/ PNEUMOENCEPHALOGRAPHY

2797. **Noguchi I, Keil A, Seifner J:** Experimentelle Untersuchungen zur Mineralisation während des Zahnwachstums unter Alizarin- und Tetracyclin-gaben. IV. Analysen mit Mikroröntgentechnik und Raster-Elektronenmikroskopie.
Dtsch Zahnaerztl Z 28:460-4, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ *ANTHRAQUINONES, pharmacodynamics/ BONE DEVELOPMENT, drug effects/ CALCIUM, metabolism/ DENTIN, metabolism/ DENTIN, radiography/ *DENTINOGENESIS, drug effects/ ENGLISH ABSTRACT/ INCISOR, growth & development/ INCISOR, metabolism/ INCISOR, radiography/ MICRORADIOGRAPHY/ MICROSCOPY, ELECTRON, SCANNING/ *ODONTOGENESIS, drug effects/ RATS/ *TETRACYCLINE, pharmacodynamics/ *TOOTH CALCIFICATION, drug effects

2798. **Nollen PM, Restaino AL, Alberico RA:** Gorgoderina attenuata: uptake and incorporation of tyrosine, thymidine, and adenosine.
Exp Parasitol 33:468-76, Jun 73
ABSORPTION/ *ADENOSINE, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ FEMALE/ GONADS, metabolism/ INTESTINES, metabolism/ MALE/ OVUM, metabolism/ RADIOISOTOPE SCANNING/ STEREOISOMERS/ *THYMIDINE, metabolism/ *TREMATODA, metabolism/ TRITIUM/ *TYROSINE, metabolism

2799. **Nolly HL, Fasciolo JC:** The specificity of the renin-angiotensinogen reaction through the phylogenetic scale.
Comp Biochem Physiol [A] 44:639-45, 1 Feb 73
AMPHIBIA, metabolism/ ANGIOTENSIN, biosynthesis/ *ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIRDS, metabolism/ *EVOLUTION/ FISHES, metabolism/ MACROMOLECULAR SYSTEMS/ MAMMALS, metabolism/ MODELS, BIOLOGICAL/ PROTEIN BINDING/ *PROTEIN PRECURSORS, blood/ *RENIN, pharmacodynamics/ REPTILES, metabolism/ SPECIES SPECIFICITY

2800. **Nomura T, Takebe H, Okamoto E:** Long retention of urethan transferred into newborn mice transplacentally, as a possible cause of high carcinogenesis. Gann 64:29-40, Feb 73
AMNIOTIC FLUID, analysis/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ *CARCINOGENS/ FEMALE/ GESTATIONAL AGE/ INJECTIONS, SUBCUTANEOUS/ LIVER, analysis/ LUNG, analysis/ *MATERNAL-FETAL EXCHANGE/ MICE/ MILK, analysis/ OVARY, analysis/ PERMEABILITY/ PLACENTA/ PLACENTA, analysis/ PREGNANCY/ TIME FACTORS/ URETHANE, administration & dosage/ URETHANE, analysis/ URETHANE, blood/ *URETHANE, metabolism/ UTERUS, analysis

2801. **Nora JJ, Nora AH:** Birth defects and oral contraceptives. Lancet 1:941-2, 28 Apr 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEART DEFECTS, CONGENITAL, chemically induced/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/

U. OF I., URBANA-CHAMPAIGN

PREGNANCY/ PROGESTATIONAL HORMONES, adverse effects/ RETROSPECTIVE STUDIES/ SYNDROME

2802. **Nordio S: Substrati metabolici della fisiopatologia dell'utilizzazione degli alimenti. I malassorbimenti.**
Quad Sclavo Diagn 8:387-403, Mar 72 (Ita)
ACID-BASE EQUILIBRIUM/ AMINO ACIDS, metabolism/ CALCIUM, metabolism/ DIGESTION/ ENGLISH ABSTRACT/ HUMAN/ INTESTINAL DISEASES, complications/ LACTOSE INTOLERANCE, complications/ MAGNESIUM, metabolism/ MALABSORPTION SYNDROMES, classification/ *MALABSORPTION SYNDROMES, etiology/ NUTRITION DISORDERS, complications/ OSMOLAR CONCENTRATION/ PANCREATIC DISEASES, complications/ PEPTIDES, metabolism/ WATER-ELECTROLYTE BALANCE

2803. **Nordmann JJ, Buchs M, Grau JD, et al: Réduction de la sécrétion neurohypophysaire par le cobalt, le manganèse et le D600.**
J Physiol (Paris) 65:Suppl 3:426A, 1972 (Fre)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ *COBALT, pharmacodynamics/ IN VITRO/ *IPROVERATRIL, pharmacodynamics/ *MANGANESE, pharmacodynamics/ OXYTOCIN, secretion/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS

2804. **Noriega-Gurra L, Arévalo N, Guerrero C, et al: Efecto de las prostaglandinas E 2 y F 2 sobre la contractilidad uterina.**
Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Spa)
ADULT/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ METHODS/ *MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects

2805. **Norpoth K, Nehrkorn A, Kirchner M, et al: Untersuchungen zur Frage der Löslichkeit und Stabilität ovulationshemmender Steroide in Wasser, Abwässern und Belebtschlamm.**
Zentralbl Bakteriol [Orig B] 156:500-11, Feb 73 (Ger)
CHLORMADINONE, analysis/ *CONTRACEPTIVES, ORAL, standards/ *DRUG STABILITY/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, analysis/ ETHYNODIOL DIACETATE, analysis/ LYNESTRENOL, analysis/ MEDROXYPROGESTERONE, analysis/ MEGESTROL, analysis/ MESTRANOL, analysis/ NORETHINDRONE, analysis/ NORGESTREL, analysis/ *SOLUBILITY/ WATER, analysis

2806. **Norris DO, Jones RE, Criley BB: Pituitary prolactin levels in larval, neotenic and metamorphosed salamanders (Ambystomia tigrinum).**
Gen Comp Endocrinol 20:427-42, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ LARVA/ METAMORPHOSIS, BIOLOGICAL/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ *SALAMANDERS, metabolism

2807. **Norris DO, Jones RE, Cohen DC: Effects of mammalian gonadotropins (LH, FSH, HCG) and gonadal steroids on TSH-induced metamorphosis of Ambystoma tigrinum (Amphibia: Caudata).**
Gen Comp Endocrinol 20:467-73, Jun 73
*AMBYSTOMA, embryology/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *ESTRADIOL, pharmacodynamics/ *FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ LARVA/ *LH, pharmacodynamics/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ *TESTOSTERONE, pharmacodynamics/ THYROTROPIN, pharmacodynamics

2808. **North SA, Hauser ER, First NL: Inductio parturition in swine and rabbits with th corticosteroid dexamethasone.**
J Anim Sci 36:1170-4, Jun 73
ADRENAL GLANDS, anatomy & histolog ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BODY WEIGHT/ DEXAMETHASONE, administra & dosage/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ FETUS, a & histology/ FETUS, drug effects/ GESTATIONAL AGE/ HALOTHANE/ *L INDUCED/ ORGAN WEIGHT/ PREGNAN *RABBITS, physiology/ *SWINE, physiolo

2809. **Northern RE, Lach JL, Fincher JH: Dissolution- method of assessing in vitro drug availabi prednisolone tablets.**
Am J Hosp Pharm 30:622-7, Jul 73
BIOPHARMACEUTICS/ CELLOPHANE/ DIALYSIS/ DIALYSIS, instrumentation/ DIFFUSION/ HYDROCHLORIC ACID/ KINETICS/ MEMBRANES/ POWDERS/ *PREDNISOLONE/ PREDNISOLONE, sta SOLUBILITY/ SPECTROPHOTOMETRY/ SURFACE PROPERTIES/ TABLETS/ WA

2810. **Nöschel H, Gerl D, Seewald HJ: Zur Problema Urogenitalfisteln beim Genitalkarzinom.**
Dtsch Gesundheitsw 28:462-4, 2 Mar 73
AGED/ CERVIX NEOPLASMS, complicat ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC NEOPLASMS, complicat HUMAN/ OVARIAN NEOPLASMS, complications/ PROGNOSIS/ *RECTOVA FISTULA, etiology/ *URETERAL DISEA etiology/ *URINARY FISTULA, etiology UTERINE NEOPLASMS, complications/ *VAGINAL FISTULA, etiology/ VAGINA NEOPLASMS, complications/ *VESICOVAGINAL FISTULA, etiology

2811. **Noseda G, Schlumpf E, Laeng H, et al: Hypocholesterinämie bei idiopathischem Hirsutismus.**
Schweiz Med Wochenschr 103:931-4, 30 Jun 7
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, etiology/ CHOLESTER biosynthesis/ *CHOLESTEROL, blood/ ENGLISH ABSTRACT/ FEMALE/ HIRSU complications/ *HIRSUTISM, familial & genetic/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTE physiopathology/ 17-KETOSTEROIDS, uri LIPOPROTEINS, blood/ TESTOSTERON blood

2812. **Notides AC, Hamilton DE, Rudolph JH: The act human uterine protease on the estrogen r**
Endocrinology 93:210-6, Jul 73
ANILIDES, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIEN CYTOSOL, enzymology/ *ESTRADIOL/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOFLUROPHATE, pharmacodynamics/ KETONES, pharmacodynamics/ MOLECULAR WEIG *PEPTIDE HYDROLASES, analysis/ PEP HYDROLASES, antagonists & inhibitors/ PEPTIDE HYDROLASES, pharmacodynam *RECEPTORS, HORMONE/ TRITIUM/ *UTERUS, enzymology

2813. **Nouët JC, Kujas M: Nombre et répartiti topographique des mitoses dans l'adénohypop rat fixée par perfusion.**
C R Soc Biol (Paris) 166:1245-9, 1972
ANIMAL EXPERIMENTS/ HISTOLOGIC TECHNICS/ KINETICS/ MALE/ *MITOS *PITUITARY GLAND, cytology/ RATS/ STAINS AND STAINING

2814. **Numasawa T, Abe I, Satake T: [Case of pos hemorrhage due to placental adhesion]**
Jap J Nurs Art 19:49-53, Jun 73
HEMORRHAGE, POSTPARTUM, etiology PLACENTA DISORDERS, complications/ SPECIAL LIST NURSING

2815. **Nussdorfer GG, Mazzocchi G: Further studies**

trophic effect of cyclic GMP on rat adrenal cortex.
J Endocrinol 57:559-60, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ RATS

Nutik SL: Convergence of cutaneous and preoptic region thermal afferents on posterior hypothalamic neurons. J Neurophysiol 36:250-7, Mar 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CATS/ *HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS/ *NEURAL TRANSMISSION/ NEURONS, AFFERENT, physiology/ *SKIN, innervation/ SKIN TEMPERATURE/ STEREOTAXIC TECHNICS

Nutik SL: Posterior hypothalamic neurons responsive to preoptic region thermal stimulation.
J Neurophysiol 36:238-49, Mar 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CATS/ COMPUTERS, ANALOG/ FEMALE/ *HEAT/ *HYPOTHALAMUS, physiology/ MALE/ MICROELECTRODES/ NEURAL INTERCONNECTIONS/ STEREOTAXIC TECHNICS

Nyberg-Hansen R: Relapsing herpes zoster myelitis.
Acta Neurol Scand [Suppl] 51:397-400, 1972
ADULT/ CASE REPORT/ FEMALE/ *HERPES ZOSTER, complications/ HUMAN/ MYELITIS, drug therapy/ *MYELITIS, etiology/ MYELITIS, immunology/ NEUROLOGIC MANIFESTATIONS/ PREDNISONE, therapeutic use/ RECURRENCE/ TIME FACTORS

Nyberg-Hansen R, Refsum S: Spastic paraparesis associated with optic atrophy in monozygotic twins.
Acta Neurol Scand [Suppl] 51:261-3, 1972
ADOLESCENCE/ ADULT/ CHILD/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ MALE/ MENTAL RETARDATION/ NEUROLOGIC MANIFESTATIONS/ *OPTIC ATROPHY, familial & genetic/ *PARAPLEGIA, familial & genetic/ SEX CHROMOSOME ABNORMALITIES/ SYNDROME/ TWINS

Nydegger UE, Miescher A, Anner RM, et al: Serum and cellular factor involvement in nitroblue tetrazolium (NBT) reduction by human neutrophils.
Klin Wochenschr 51:377-82, 15 Apr 73
*AZOLES/ *BACTERIAL INFECTIONS, blood/ CYTOCHALASIN B, pharmacodynamics/ EDTA/ ENDOTOXINS, pharmacodynamics/ ESCHERICHIA COLI/ HEPARIN, pharmacodynamics/ HUMAN/ METHODS/ *NEUTROPHILS/ NEUTROPHILS, drug effects/ *PHAGOCYTOSIS/ PREDNISOLONE, pharmacodynamics/ STAINS AND STAINING/ TETRAZOLES, pharmacodynamics

Nygren KG, Johansson ED, Wide L: Evaluation of the prognosis of threatened abortion from the peripheral plasma levels of progesterone, estradiol, and human chorionic gonadotropin.
Am J Obstet Gynecol 116:916-22, 1 Aug 73
*ABORTION, THREATENED, blood/ ADOLESCENCE/ ADULT/ *ESTRADIOL, blood/ EVALUATION STUDIES/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INFANT, PREMATURE/ PARITY/ PREGNANCY/ *PROGESTERONE, blood/ PROGNOSIS/ TIME FACTORS

O

Oakley NW, Monier D, Wynn V: Diurnal variation on oral glucose tolerance: insulin and growth hormone changes with special reference to women taking oral contraceptives. Diabetologia 9:235-8, Jun 73
BLOOD SUGAR, analysis/ CIRCADIAN RHYTHM/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ *GLUCOSE TOLERANCE TEST/ HUMAN/ IMMUNOASSAY/ *INSULIN, blood/ MALE/ *SOMATOTROPIN, blood

2823. **Oates RK:** Infant-feeding practices.
Br Med J 2:762-4, 30 Jun 73
ASCORBIC ACID/ CEREALS/ HUMAN/ HYPERNATREMIA, etiology/ INFANT/ *INFANT FOOD/ INFANT, NEWBORN/ *INFANT NUTRITION/ MILK/ MOTHER-CHILD RELATIONS/ OBESITY, etiology/ POWDERS/ VITAMIN A/ VITAMIN D

2824. **Ochi Y, Shiomi K, Yatani T, et al:** [Isolation of long acting thyroid stimulator (LATS) and thyroid stimulating hormone (TSH) in the serum]
Clin Endocrinol (Tokyo) 21:49-52, Jan 73 **(Jap)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHARCOAL/ DEXTRAN/ IGG, analysis/ *LONG-ACTING THYROID STIMULATOR, blood/ MICE/ *THYROTROPIN, blood

2825. **Ochiai K, Oshima H:** [Male gonadal gland]
Clin Endocrinol (Tokyo) 21:27-33, Jan 73 (10 ref.) **(Jap)**
ADOLESCENCE/ ADULT/ AGED/ *AGING/ ANDROGENS, secretion/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ IMPOTENCE/ LEYDIG CELLS, physiology/ MALE/ MIDDLE AGE/ REVIEW/ SPERMATIC CORD, anatomy & histology/ TESTIS, anatomy & histology/ TESTIS, growth & development/ *TESTIS, physiology/ TESTOSTERONE, biosynthesis

2826. **Ochs HG, Lamberts B, Saleh M, et al:** Reninsekretion in vitro. Vergleich von Nierenschnitten und isolierten Glomeruli.
Res Exp Med (Berl) 160:206-12, 21 May 73 **(Ger)**
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CULTURE MEDIA/ ENGLISH ABSTRACT/ FEMALE/ IN VITRO/ *KIDNEY, metabolism/ KIDNEY, secretion/ *KIDNEY GLOMERULUS, metabolism/ KIDNEY GLOMERULUS, secretion/ LACTATES, biosynthesis/ OXYGEN CONSUMPTION/ PYRUVATES, metabolism/ RATS/ *RENIN, secretion/ SODIUM CHLORIDE, secretion/ TISSUE CULTURE

2827. **Odeku EL, Adeloye A, Osuntokun BO, et al:** Intracranial tumour pattern in Ibadan, Nigeria.
Afr J Med Sci 4:137-41, Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ASTROCYTOMA, occurrence/ *BRAIN NEOPLASMS, occurrence/ CHILD/ CHORIOCARCINOMA, occurrence/ FEMALE/ HUMAN/ MALE/ MENINGIOMA, occurrence/ MIDDLE AGE/ NEOPLASM METASTASIS/ NIGERIA/ PINEALOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SEX FACTORS

2828. **Odeku EL, Osunkoya BO, Adeloye A, et al:** Neoplasms of the sella turcica region in Ibadan, Nigeria.
Afr J Med Sci 4:127-36, Apr 73
*ADENOMA/ ADENOMA, CHROMOPHOBE/ ADENOMA, EOSINOPHILIC/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA/ FEMALE/ HEADACHE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ NIGERIA/ *PITUITARY NEOPLASMS/ *SELLA TURCICA/ VISION DISORDERS, etiology

2829. **O'Dell BL, Moroni RI, Regan WO:** Interaction of dietary fluoride and magnesium in guinea pigs.
J Nutr 103:841-50, Jun 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT, drug effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ DIETARY PROTEINS/ FLUORIDE POISONING/ FLUORIDES, administration & dosage/ FLUORIDES, antagonists & inhibitors/ *FLUORIDES, pharmacodynamics/ GUINEA PIGS/ KIDNEY, metabolism/ MAGNESIUM/ MAGNESIUM, administration & dosage/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ *MAGNESIUM, pharmacodynamics/ MAGNESIUM, therapeutic use/ MAGNESIUM

U. of I., URBANA-CHAMPAIGN

DEFICIENCY, drug therapy/ MAGNESIUM DEFICIENCY, mortality/ MALE/ NUTRITIONAL REQUIREMENTS/ PHOSPHATES, blood/ PHOSPHORUS, blood

2830. **O'Donnell J, Hadden DR, Weaver JA, et al:** Thyrotoxicosis recurring after surgical removal of a thyrotrophin-secreting pituitary tumour.
Proc R Soc Med 66:441-2, May 73
ADULT/ HUMAN/ *HYPERTHYROIDISM/ *HYPOPHYSECTOMY/ MALE/ PITUITARY NEOPLASMS, physiopathology/ *PITUITARY NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ RECURRENCE/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROXINE, blood

2831. **O'Donnell JM:** Fluxes of magnesium and calcium during induced activity of frog sartorius muscle.
Experientia 29:292-3, 15 Mar 73
ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ ELECTRIC STIMULATION/ FROGS/ IN VITRO/ *MAGNESIUM, metabolism/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, metabolism/ RADIOISOTOPES/ RANA TEMPORARIA

2832. **Oehme J, Kötz F:** Polichemioterapia delle leucemie acute nei bambini e nei giovani.
Minerva Med 64:655-60, 14 Mar 73 (Ita)
ACUTE DISEASE/ ADOLESCENCE/ AMBULATORY CARE/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ASPARAGINASE, therapeutic use/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ *LEUKEMIA, drug therapy/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ VINCRISTINE, therapeutic use

2833. **Ofstad E, Baardsen A, Refsum SB Jr:** Cylinder-biopsies in thyroid disorders. Preliminary evaluation of the technique. Acta Chir Scand 139:148-54, 1973
ADULT/ AGED/ *BIOPSY, NEEDLE/ BIOPSY, NEEDLE, adverse effects/ CHILD/ DISPOSABLE EQUIPMENT/ FEMALE/ GOITER, NODULAR, diagnosis/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology/ THYROID GLAND, pathology/ THYROIDITIS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, diagnosis

2834. **Ogata M, Watanabe S, Tateishi J, et al:** Placental transmission and fetal distribution of clioquinol.
Lancet 1:938-9, 28 Apr 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *IODOCHLORHYDROXYQUIN, metabolism/ MATERNAL-FETAL EXCHANGE/ MICE/ *PLACENTA, metabolism/ PREGNANCY

2835. **Ogawa M, Yagasaki M, Yamazaki F:** The effect of prolactin on water influx in isolated gills of the goldfish, Carassius auratus L.
Comp Biochem Physiol [A] 44:1177-83, 1 Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CYPRINIDAE/ *GILLS, metabolism/ HYPOPHYSECTOMY/ PITUITARY GLAND, physiology/ *PROLACTIN, pharmacodynamics/ SOMATOTROPIN, pharmacodynamics/ TIME FACTORS/ *WATER, metabolism

2836. **Ogilvy KM, Jakubowski J:** Intracranial dissemination of pituitary adenomas.
J Neurol Neurosurg Psychiatry 36:199-205, Apr 73
*ADENOMA/ ADENOMA, diagnosis/ ADENOMA, CHROMOPHOBE, pathology/ BRAIN, pathology/ *BRAIN NEOPLASMS, pathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM CIRCULATING CELLS/ NEOPLASM METASTASIS/ *NEOPLASM METASTASIS, pathology/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, pathology/ RADIOISOTOPE SCANNING

2837. **Ogura H:** [Thyroid function and hypoth
Clin Endocrinol (Tokyo) 21:7-11, Jan 73 (35 r
AGED/ *AGING/ BASAL METABOLIS
HUMAN/ HYPOTHYROIDISM, drug th
*HYPOTHYROIDISM, physiopathology/
metabolism/ IODINE ISOTOPES/ MIDI
AGE/ PROTEIN BINDING/ REVIEW/
THYROID GLAND, pathology/ *THYR
GLAND, physiology/ THYROID GLAN
physiopathology/ THYROID GLAND
FUNCTION TESTS/ THYROID HORM
blood/ THYROTROPIN, diagnostic use
THYROXINE, metabolism

2838. **Ohanian C, Germino NI, Rama F, et al:** Hist
studies on phosphorylase activity in the tiss
albino rat under normal and experimental c
V. Effects of experimental cryptorchism
phosphorylase. Acta Anat (Basel) 85:1
ANIMAL EXPERIMENTS/ *CRYPTOR
enzymology/ CRYPTORCHISM, metabo
GLUCOCORTICOIDS, biosynthesis/
*GLUCOSYLTRANSFERASES, metabol
HISTOCYTOCHEMISTRY/ LEYDIG CE
enzymology/ LEYDIG CELLS, metabo
MALE/ RATS/ SEMINAL VESICLES,
enzymology/ SEMINAL VESICLES, m
SERTOLI CELLS, enzymology/
SPERMATOGENESIS/ TESTIS, cytolog
*TESTIS, enzymology/ TESTIS, metab

2839. **Ohman JL Jr, Schmidt-Nowara W, Lawrenc**
The diffusing capacity in asthma. Effect
obstruction. Am Rev Respir Dis 107:932
ADULT/ *AIRWAY OBSTRUCTION/
drug therapy/ *ASTHMA, physiopatho
CARBON MONOXIDE, blood/ FEMAL
HUMAN/ MALE/ MIDDLE AGE/ PA
PRESSURE/ PREDNISONE, blood/
*PULMONARY DIFFUSING CAPACIT

2840. **Ohno S, Christian L, Attardi B:** Role of testo
normal female function.
Nature [New Biol] 243:119-20, 23 Ma
ALCOHOL OXIDOREDUCTASES, met
ANDROSTANES, pharmacodynamics/
EXPERIMENTS/ ENZYME INDUCTIO
FEMALE/ GENES, REGULATOR/
GLUCURONIDASE, metabolism/
HYPOTHALAMO-HYPOPHYSEAL SY
KARYOTYPING/ KIDNEY, drug effe
KIDNEY, enzymology/ KIDNEY, phy
MICE/ MUTATION/ ORGAN WEIGH
OVARY, drug effects/ *OVARY, phy
PREGNANCY/ TESTICULAR FEMINI
familial & genetic/ TESTOSTERONE,
pharmacodynamics/ *TESTOSTERONE
physiology

2841. **Oishi T, Lauber JK:** Photoreception in the p
response of quail. I. Site of photore
Am J Physiol 225:155-8, Jul 73
ANIMAL EXPERIMENTS/ BRAIN, p
EYE, physiology/ LACRIMAL APPA
physiology/ MALE/ *PHOTORECEPT
PINEAL BODY, physiology/ *QUAIL,
physiology/ *TESTIS, physiology

2842. **Okada Y:** [Clinical description and keypoint
of patients with dwarfism]
Jap J Nurs Art 19:71-81, May 73
DWARFISM, nursing/ SPECIAL LIS
NURSING

2843. **Okawara SH, Calkins RA:** Cerebral arteri
disease with telangiectasia associated
contraceptives. Arch Neurol 29:60-2,
ADULT/ *ARTERIAL OCCLUSIVE D
chemically induced/ ARTERIAL OCC
DISEASES, radiography/ BLOOD
COAGULATION, drug effects/ BLOO
COAGULATION FACTORS, analysis/
CEREBRAL ANGIOGRAPHY/ *CERE
ARTERY DISEASES, chemically indu
CEREBRAL ARTERY DISEASES, ra

CIRCLE OF WILLIS, radiography/ COLLATERAL CIRCULATION/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROENCEPHALOGRAPHY/ ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ *TELANGIECTASIS, chemically induced/ TELANGIECTASIS, radiography

'Kelly JC: Seasonal variations in the plasma lipids of genetically different types of cattle: steers on different diets.
Comp Biochem Physiol [A] 44:303-12, 1 Feb 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BLOOD PROTEINS, analysis/ BODY WEIGHT/ CATTLE/ CHOLESTEROL, blood/ COMPUTERS, DIGITAL/ *DIET/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIDES, blood/ *LIPIDS, blood/ MALE/ PHOSPHOLIPIDS, blood/ PROTEIN-BOUND IODINE TEST/ SEASONS/ SPECIES SPECIFICITY/ TEMPERATURE

kumura H: [Current trend in the chemical study of gonadal gland stimulating hormones]
Clin Endocrinol (Tokyo) 21:41-8, Jan 73 (60 ref.) (Jap)
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBOHYDRATES, analysis/ CHEMISTRY/ CHEMISTRY, PHYSICAL/ FEMALE/ FSH, analysis/ FSH, isolation & purification/ *GONADOTROPINS/ GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, isolation & purification/ HORSES, immunology/ HUMAN/ IMMUNE SERUMS/ LH, analysis/ LH, isolation & purification/ MOLECULAR WEIGHT/ PREGNANCY/ RATS/ REVIEW/ SHEEP, immunology

Ising H: Risikogerechte Behandlung erworbener idiopathischer nephrotischer Syndrome bei Kindern.
Dtsch Med Wochenschr 98:1079-85, 25 May 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHILD/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ HUMAN/ LONG TERM CARE/ MALE/ NEPHROSCLEROSIS, drug therapy/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, mortality/ PREDNISONE, therapeutic use/ PROGNOSIS/ RECURRENCE/ STERILITY, therapy

dham RK, Polmar SH: Extramedullary plasmacytomas following successful radiotherapy of Hodgkin's disease. Clinical and immunologic aspects.
Am J Med 54:761-7, Jun 73
ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ *BENCE JONES PROTEIN, biosynthesis/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, immunology/ HODGKIN'S DISEASE, pathology/ HUMAN/ IGD, biosynthesis/ MALE/ MELPHALAN, therapeutic use/ PLASMA CELLS, metabolism/ PLASMACYTOMA, blood/ *PLASMACYTOMA, etiology/ PLASMACYTOMA, immunology/ PLASMACYTOMA, pathology/ *RADIOTHERAPY/ RADIOTHERAPY, adverse effects/ *SKIN NEOPLASMS, etiology/ *TESTICULAR NEOPLASMS, etiology

ds ME, Eibergen R: Effect of methscopolamine, physostigmine, and neostigmine on neuron activity in the midbrain, the hippocampus, and the hypothalamus in the behaving rat. Brain Res 50:315-30, 28 Feb 73
ACOUSTIC STIMULATION/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ COMPUTERS/ ELECTRODES, IMPLANTED/ EVOKED POTENTIALS, drug effects/ *HIPPOCAMPUS, drug effects/ *HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAVENOUS/ MALE/ *MESENCEPHALON, drug effects/ *NEOSTIGMINE, pharmacodynamics/ PHOTIC STIMULATION/ *PHYSOSTIGMINE, pharmacodynamics/ RATS/ *SCOPOLAMINE, pharmacodynamics

2849. Olenev SN: Tipizatsiia i istochniki razvitiia nervnykh kletok.
Arkh Anat Gistol Embriol 63:59-71, Nov 72 (Rus)
ACETYLCHOLINESTERASE, analysis/ ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ BRAIN, embryology/ CATS/ CATS, embryology/ CELL DIFFERENTIATION/ CEREBELLUM, embryology/ CEREBRAL CORTEX, embryology/ CHICK EMBRYO/ CRANIAL NERVES, embryology/ ENGLISH ABSTRACT/ FISHES, embryology/ GANGLIA, embryology/ HORMONES, pharmacodynamics/ IN VITRO/ MAMMALS, embryology/ MESENCEPHALON, embryology/ MITOSIS/ NERVOUS SYSTEM, cytology/ *NERVOUS SYSTEM, embryology/ NEURAL TRANSMISSION/ *NEURONS/ NEURONS, enzymology/ PARASYMPATHETIC NERVOUS SYSTEM, embryology/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, embryology/ THALAMUS, embryology

2850. Oliai A, Koff RS: Disappearance and prolonged absence of jaundice and hyperbilirubinemia in carcinoma of the ampulla of Vater.
Am J Gastroenterol 59:518-21, Jun 73
*ADENOCARCINOMA, PAPILLARY, complications/ ADENOCARCINOMA, PAPILLARY, pathology/ ADRENAL GLAND NEOPLASMS/ AGED/ AUTOPSY/ *BILE DUCT NEOPLASMS, complications/ BONE NEOPLASMS/ DUODENAL NEOPLASMS, pathology/ HUMAN/ *HYPERBILIRUBINEMIA, etiology/ *JAUNDICE, OBSTRUCTIVE, etiology/ LIVER NEOPLASMS/ LIVER NEOPLASMS, pathology/ MALE/ NEOPLASM METASTASIS/ *VATER'S AMPULLA

2851. Olin R, LeBien WE, Leigh JE: Acute suppurative thyroiditis. Report of two cases including one caused by Mycobacterium intracellulare (Battey bacillus).
Minn Med 56:586-8, Jul 73
ADOLESCENCE/ AGE FACTORS/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MINNESOTA/ *MYCOBACTERIUM INFECTIONS, complications/ PERIODONTITIS, complications/ SEX FACTORS/ STAPHYLOCOCCAL INFECTIONS, complications/ STREPTOCOCCAL INFECTIONS, complications/ SUPPURATION/ *THYROIDITIS, etiology

2852. Oliver J, Baylé JD: Exploration de l'hypothalamus à compétence gonadotrope par l'enregistrement des potentiels évoqués optiques chez la caille.
J Physiol (Paris) 65:Suppl 3:463A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *EVOKED POTENTIALS/ GONADOTROPINS/ *HYPOTHALAMUS, physiology/ *OPTIC CHIASM, physiology/ QUAIL

2853. Olivereau JM: Actions de l'ionisation atmosphérique artificielle sur l'excrétion urinaire du sodium et du potassium.
C R Acad Sci [D] (Paris) 676:777-80, 29 Jan 73 (Fre)
*ADRENAL CORTEX HORMONES, metabolism/ *AIR IONIZATION/ ANIMAL EXPERIMENTS/ KINETICS/ POTASSIUM, metabolism/ *POTASSIUM, urine/ SODIUM, metabolism/ *SODIUM, urine/ SPECTROPHOTOMETRY/ *VASOPRESSIN, metabolism/ WATER-ELECTROLYTE BALANCE

2854. Olivereau M, Lemoine AM: Action de la L-Dopa sur la sécrétion de prolactine chez l'anguille.
C R Acad Sci [D] (Paris) 276:1325-7, 19 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ *DOPA, pharmacodynamics/ *EELS/ ENDOPLASMIC RETICULUM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MALE/ MUCUS, analysis/ NEURAMINIC ACIDS, analysis/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PROLACTIN, secretion/ SKIN, analysis/ SODIUM, blood/ WATER-ELECTROLYTE BALANCE, drug effects

2855. Olivier C: Henri Welti, 1895-1970.
Chirurgie 99:9-15, 10 Jan 73 (Fre)

U. of I., URBANA-CHAMPAIGN

FRANCE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ THYROIDECTOMY, history

2856. **Olivier GC:** Utilisation clinique du dosage radio-immunologique de l'hormone lutéinisante (LH. Union Med Can 102:570-7, Mar 73 **(Fre)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, blood/ CHILD/ CIRCADIAN RHYTHM/ CLOMIPHENE, pharmacodynamics/ DWARFISM, PITUITARY, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, blood/ LH, analysis/ *LH, blood/ MALE/ MENOPAUSE/ MIDDLE AGE/ PITUITARY DISEASES, blood/ PUBERTY/ PUBERTY, PRECOCIOUS, blood/ *RADIOIMMUNOASSAY/ STERILITY, MALE, blood/ TURNER'S SYNDROME, blood

2857. **Olsen MW:** Longevity and organ weights of Beltsville small white parthenogens and normal turkey males. Poult Sci 52:666-70, Mar 73
ANIMAL EXPERIMENTS/ HEART, anatomy & histology/ LIVER, anatomy & histology/ *LONGEVITY/ MALE/ ORGAN WEIGHT/ *PARTHENOGENESIS/ POULTRY DISEASES, mortality/ SPLEEN, anatomy & histology/ TESTIS, anatomy & histology/ THYROID GLAND, anatomy & histology/ *TURKEYS, physiology

2858. **Olson L, Boréus LO, Seiger A:** Histochemical demonstration and mapping of 5-hydroxytryptamine- and catecholamine-containing neuron systems in the human fetal brain.
Z Anat Entwicklungsgesch 139:259-82, 16 Apr 73
*BRAIN, embryology/ BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CAUDATE NUCLEUS, embryology/ CELL DIFFERENTIATION/ CEREBRAL CORTEX, embryology/ CORPUS STRIATUM, embryology/ DOPAMINE/ FLUORESCENCE/ GANGLIA, BASAL, embryology/ GESTATIONAL AGE/ HISTOCYTOCHEMISTRY/ HUMAN/ MEDULLA OBLONGATA, embryology/ MESENCEPHALON, embryology/ NOREPINEPHRINE/ PONS, embryology/ *SEROTONIN, analysis/ SPINAL CORD, embryology/ SUBSTANTIA NIGRA, embryology

2859. **Olurin EO, Sofowora EO, Afonja AO, et al:** Cushing's syndrome and bronchial carcinoid tumor. Cancer 31:1514-9, Jun 73
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, diagnosis/ BRONCHI, pathology/ *BRONCHIAL NEOPLASMS, complications/ BRONCHIAL NEOPLASMS, pathology/ BRONCHIAL NEOPLASMS, surgery/ *CARCINOID TUMOR, complications/ CARCINOID TUMOR, pathology/ CARCINOID TUMOR, surgery/ CASE REPORT/ *CUSHING'S SYNDROME/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, radiography/ CUSHING'S SYNDROME, therapy/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

2860. **O'Meara GF, Evans DG:** Blood-feeding requirements of the mosquito: geographical variation in Aedes taeniorhynchus. Science 180:1291-3, 22 Jun 73
ANIMAL EXPERIMENTS/ *BLOOD/ ECOLOGY/ ENVIRONMENT/ *FEEDING BEHAVIOR/ FLORIDA/ HUMAN/ *MOSQUITOES/ OVARY, growth & development/ POLYMORPHISM (GENETICS)

2861. **Omori Y:** [Cytotoxic effect of antibiotics on L cells in the presence and absence of dexamethasone] Odontology (Tokyo) 60:780-811, Feb 73 **(Jap)**
ANTIBIOTICS, toxicity/ DEXAMETHASONE, pharmacodynamics/ L CELLS, drug effects/ SPECIAL LIST DENTAL

2862. **Omura GA:** Chemotherapy and hormone therapy in gynecologic cancer. South Med J 66:889-92, Jun 73
ADENOCARCINOMA, drug therapy/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CERVIX NEOPLASMS, drug therap
CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, drug therapy/ DACTINOMYCIN, therapeutic use/ FEM
FLUOROURACIL, therapeutic use/ *HORMONES, therapeutic use/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, drug therapy/ METHOTREXATE, therapeutic use/ *OV
NEOPLASMS, drug therapy/ PALLIATI
TREATMENT/ PROGESTERONE, therap
use/ PROGNOSIS/ UTERINE NEOPLAS
diagnosis/ *UTERINE NEOPLASMS, dru
therapy

2863. **Omura GA, Roberts GA:** Combination therapy tumors using 1,3-bis(2-chloroethyl)-1-nitro (NCNU), vincristine, methotrexate, and 5-fluorouracil. Cancer 31:1374-81, Jun 73
ADENOCARCINOMA, drug therapy/ AD
AGED/ CARCINOMA, EPIDERMOID, dr
therapy/ CARMUSTINE, administration
dosage/ *CARMUSTINE, therapeutic us
FEMALE/ FLUOROURACIL, administrat
dosage/ *FLUOROURACIL, therapeutic
FLUOROURACIL, toxicity/
GASTROINTESTINAL NEOPLASMS, dr
therapy/ HUMAN/ LIVER NEOPLASMS
therapy/ LUNG NEOPLASMS, drug the
MALE/ METHOTREXATE, administratio
dosage/ *METHOTREXATE, therapeutic
METHOTREXATE, toxicity/ MIDDLE A
NEOPLASM METASTASIS/ *NEOPLAS
drug therapy/ THYROID NEOPLASMS,
therapy/ UTERINE NEOPLASMS, drug
therapy/ *VINCRISTINE, therapeutic u

2864. **Ondo JG, Eskay RL, Mical RS, et al:** Release
LRF injected into the CSF: a transport rol
median eminence. Endocrinology 93:231-7
ANIMAL EXPERIMENTS/ BIOLOGICA
TRANSPORT/ CEREBRAL VENTRICLE
CEREBROSPINAL FLUID/ CISTERNA
MAGNA/ *HYPOTHALAMUS, physiolog
*LH, blood/ MALE/ *PITUITARY HOR
RELEASING FACTORS, administration
dosage/ PITUITARY HORMONE RELE
FACTORS, pharmacodynamics/ RATS/
FACTORS

2865. **Ondo JG, Eskay RL, Mical RS, et al:** Effect of
LRF infused into a hypophysial portal
gonadotropin release. Endocrinology 93:205
ANIMAL EXPERIMENTS/ DOSE-RESP
RELATIONSHIP, DRUG/ *FSH, blood/
*LH, blood/ MALE/ *PITUITARY HO
RELEASING FACTORS, pharmacodyna
RATS/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

2866. **Ong PL, Kuan E:** The reproductive sy
Indoplanorbis exustus (Deshayes) (Plan
Pulmonata) and Lymnae rubiginosa (M
(Lymnaeidae: Pulmonata) a description i
and trematode habouring snails.
Southeast Asian J Trop Med Public Healt
Mar 73
ANIMAL EXPERIMENTS/ DISEASE VECTORS/ *ECHINOSTOMA/ GONADS pathology/ HERMAPHRODITISM/ LAR
*LYMNEA, anatomy & histology/ MA
OVIDUCTS, anatomy & histology/ OV
pathology/ *REPRODUCTION/ *SNAIL anatomy & histology/ *TREMATODE
INFECTIONS/ TREMATODE INFECTI
pathology

2867. **Ono M, Inoue H, Takeda Y:** Effect of derivatives on induction of ornithine decarb rat liver. Biochim Biophys Acta 304:495-504,
ACETAMIDES, pharmacodynamics/ AD
GLANDS, physiology/ ADRENALECTO
*AMIDES, pharmacodynamics/ ANIMA
EXPERIMENTS/ *CARBOXY-LYASES, biosynthesis/ CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION/ HYPOPHYSECTOMY/ L analysis/ *LIVER, enzymology/ MALE ORNITHINE/ PITUITARY GLAND, p

PUTRESCINE, analysis/ RATS/ SOMATOTROPIN, pharmacodynamics/ SPERMIDINE, analysis/ SPERMINE, analysis/ *THIOUREA, pharmacodynamics/ TIME FACTORS

Ono S, Hirano H, Obara K: Biochemical studies on the pathogenesis of steroid cataracts, with particular reference to the pituitary-adrenal-liver axis. Exp Eye Res 16:61-8, Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALANINE AMINOTRANSFERASE, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ *CATARACT, chemically induced/ DEXAMETHASONE, pharmacodynamics/ FAD, pharmacodynamics/ HYDROCORTISONE, metabolism/ *HYDROCORTISONE, toxicity/ HYPOPHYSECTOMY/ IN VITRO/ LENS, CRYSTALLINE, metabolism/ LIVER, enzymology/ LIVER, radiation effects/ MALE/ PITUITARY GLAND, physiology/ RADIATION EFFECTS/ RATS/ RIBOFLAVIN, pharmacodynamics

Onodera T, Hashizume T, Kasahara A: Some non-hormonal properties of 17 -hydroxy-17 -methyl-5 -androstano(2,3-c)furazan (furazabol). Chem Pharm Bull (Tokyo) 21:21-4, Jan 73
ACETYLCHOLINE, antagonists & inhibitors/ *ANABOLIC STEROIDS, pharmacodynamics/ ANABOLIC STEROIDS, therapeutic use/ *ANDROSTANES, pharmacodynamics/ ANDROSTANES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTICHOLESTEREMIC AGENTS/ BLOOD PRESSURE, drug effects/ CATS/ FEMALE/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ OXADIAZINES, pharmacodynamics/ OXADIAZINES, therapeutic use/ PAPAVERINE, pharmacodynamics/ RATS/ STOMACH ULCER, drug therapy

ntjes DA, Roberts JC, Hennessy JF, et al: Biological and immunological activity of a thyrocalcitonin produced by the solid phase method of peptide synthesis. Endocrinology 92:1780-5, Jun 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS/ GUINEA PIGS, immunology/ IODINE ISOTOPES/ MALE/ METHODS/ RATS/ RESINS/ THYROCALCITONIN, chem synthesis/ *THYROCALCITONIN, pharmacodynamics

nuora CA, Lindenbaum J, Nossel HL: Massive hemorrhage associated with circulating antibodies to factor V. Am J Med Sci 265:407-17, May 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ *ANTIBODIES/ AZATHIOPRINE, therapeutic use/ BABOONS/ *BLOOD COAGULATION DISORDERS, etiology/ BLOOD COAGULATION FACTORS, analysis/ BLOOD COAGULATION TESTS/ CATS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ DOGS/ *FACTOR V/ FEMALE/ GOATS/ HEMORRHAGE, drug therapy/ *HEMORRHAGE, etiology/ HUMAN/ *IGG/ MALE/ MONKEYS/ PREDNISONE, therapeutic use/ PROTHROMBIN TIME/ SHEEP

osterhuis H, Bethlem J: Neurogenic muscle involvement in myasthenia gravis. A clinical and histopathological study. J Neurol Neurosurg Psychiatry 36:244-54, Apr 73
ADOLESCENCE/ ADULT/ AGED/ ALDOLASE, blood/ CHILD/ CREATINE, urine/ CREATINE KINASE, blood/ ELECTROMYOGRAPHY/ FACIAL MUSCLES, physiopathology/ FEMALE/ HUMAN/ LYMPHOCYTES/ MALE/ MASTICATORY MUSCLES, physiopathology/ MIDDLE AGE/ *MUSCLES, pathology/ MUSCLES, physiopathology/ *MUSCULAR ATROPHY, etiology/ MUSCULAR ATROPHY, pathology/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, enzymology/ MYASTHENIA GRAVIS, pathology/ MYASTHENIA GRAVIS, physiopathology/ NEURAL CONDUCTION/ OCULOMOTOR PARALYSIS, etiology/ THYMOMA, etiology/ THYMUS NEOPLASMS, etiology

2873. Oppenheimer JH: Possible clues in the continuing search for the subcellular basis of thyroid hormone action. Mt Sinai J Med NY 40:491-501, May-Jun 73
ANIMAL EXPERIMENTS/ BINDING SITES/ IN VITRO/ MITOCHONDRIA, metabolism/ RATS/ RECEPTORS, HORMONE/ RNA, metabolism/ *THYROID HORMONES, physiology/ *THYROXINE, biosynthesis/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, metabolism

2874. Oram RH, Mills AE, Thomas JE: Primary aplastic anaemia in pregnancy. S Afr Med J 46:1738-40, 11 Nov 72
ADULT/ ANEMIA, APLASTIC, diagnosis/ *ANEMIA, APLASTIC, therapy/ BLOOD TRANSFUSION/ CASE REPORT/ FEMALE/ HUMAN/ LABOR, INDUCED/ PREDNISOLONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, therapy

2875. Orberg J, Kihlström JE: Effects of long-term feeding of polychlorinated biphenyls (PCB, Clophen A 60) on the length of the oestrous cycle and on the frequency of implanted ova in the mouse. Environ Res 6:176-9, Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ *ESTRUS, drug effects/ FEMALE/ LIVER, analysis/ MICE/ *NIDATION, drug effects/ OVUM, drug effects/ POLYCHLOROBIPHENYL COMPOUNDS, analysis/ *POLYCHLOROBIPHENYL COMPOUNDS, pharmacodynamics/ PREGNANCY/ REPRODUCTION, drug effects/ TIME FACTORS

2876. O'Reilly PJ, Dziuk PJ: Change in the level of LH in the sera and pituitaries of ovariectomized and intact ewes at parturition. Endocrinology 92:1575-8, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ IODINE ISOTOPES/ LACTATION/ LH, blood/ *LH, metabolism/ OVARY, physiology/ *PITUITARY GLAND, metabolism/ PREGNANCY/ SHEEP/ TIME FACTORS

2877. Orfanos CE, Schmidt HW, Mahrle G, et al: Retinoic acid in psoriasis: its value for topical therapy with and without corticosteroids. Clinical, histological nd electron microscopical studies on forty-four hospitalized patients with extensive psoriasis. Br J Dermatol 88:167-82, Feb 73
ADULT/ AGED/ CAPILLARIES, drug effects/ CAPILLARIES, pathology/ CAROTENOIDS, administration & dosage/ CAROTENOIDS, adverse effects/ *CAROTENOIDS, therapeutic use/ CHILD/ *CORTICOSTERONE, therapeutic use/ DRUG INTERACTIONS/ ERYTHROCYTES/ FEMALE/ HISTIOCYTES/ HUMAN/ KERATOSIS, drug therapy/ LEUKOCYTES/ MALE/ MICROSCOPY, ELECTRON/ NEUTROPHILS/ *PSORIASIS, drug therapy

2878. O'Riordan JL, Watson L, Woodhead JS: Secretion of parathyroid hormone in primary hyperparathyroidism. Clin Endocrinol (Oxf) 1:149-55, Apr 72
CALCIUM, blood/ HUMAN/ HYPERCALCEMIA, blood/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, metabolism/ METHODS/ OSTEITIS FIBROSA CYSTICA, blood/ OSTEITIS FIBROSA CYSTICA, complications/ OSTEITIS FIBROSA CYSTICA, radiography/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, secretion/ PARATHYROID NEOPLASMS, complications/ RADIOIMMUNOASSAY

2879. Ormai S, Palkovits M: Mobilizable lymphocyte reserve

U. OF I., URBANA-CHAMPAIGN

in rats with hypoplastic lymph organs.
Acta Physiol Acad Sci Hung 42:69-74, 1972
ANIMAL EXPERIMENTS/ BODY WEIGHT/ GERM-FREE LIFE/ HYDROCORTISONE, pharmacodynamics/ LEUKOCYTE COUNT/ *LYMPH NODES, cytology/ LYMPH NODES, drug effects/ *LYMPHOCYTES/ LYMPHOCYTES, immunology/ LYMPHOCYTES, physiology/ RATS/ *SPLEEN, cytology/ SPLEEN, drug effects/ STAINS AND STAINING/ THYMECTOMY/ *THYMUS GLAND, cytology/ THYMUS GLAND, drug effects

2880. **Ormos J, Elemér G, Csapó Z:** Ultrastructure of the proximal convoluted tubules during repair following hormonally induced necrosis in rat kidney.
Virchows Arch [Zellpathol] 13:1-13, 15 May 73
ANIMAL EXPERIMENTS/ ATROPHY/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, cytology/ ESTROGENS, pharmacodynamics/ KIDNEY DISEASES, chemically induced/ *KIDNEY DISEASES, pathology/ *KIDNEY TUBULES, pathology/ KIDNEY TUBULES, PROXIMAL, pathology/ LIPIDS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NECROSIS/ ORGANOIDS/ PITUITARY GLAND, POSTERIOR/ POLYRIBOSOMES/ RATS/ *REGENERATION/ RIBOSOMES/ TIME FACTORS/ TISSUE EXTRACTS

2881. **O'Rourke JN Jr, Booth BH, Patterson R:** An anaphylactic reaction to parathyroid hormone.
J Allergy Clin Immunol 52:55-9, Jul 73
*ANAPHYLAXIS, chemically induced/ ANAPHYLAXIS, immunology/ ANTIBODY FORMATION, drug effects/ CATTLE/ HUMAN/ IGE, biosynthesis/ IGE, isolation & purification/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, administration & dosage/ *PARATHYROID HORMONE, adverse effects/ RADIOIMMUNOASSAY/ SKIN TESTS

2882. **Orsini MW, Schwartz NB:** Organ weight changes and pituitary LH content during pregnancy and the early postpartum period in the hamster.
Biol Reprod 8:515-22, Jun 73
*ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ HAMSTERS/ LACTATION/ *LH, analysis/ ORGAN WEIGHT/ *OVARY/ OVULATION/ *PITUITARY GLAND/ *PITUITARY GLAND, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL/ PSEUDOPREGNANCY/ TIME FACTORS/ *UTERUS/ UTERUS, analysis

2883. **Ortega E, Rodríguez C, Cortés-Gallegos V, et al:** Farmacolog ia cl inica de la prostaglandina E 2 en mujeres normales no embrarzadas.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Spa)
ADULT/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAVENOUS/ *MENSTRUATION, drug effects/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ PULSE, drug effects/ SOMATOTROPIN, secretion

2884. **Orth DN, Nicholson WE, Mitchell WM, et al:** Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome.
J Clin Invest 22:1756-69, Jul 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, isolation & purification/ CUSHING'S SYNDROME, blood/ GEL FILTRATION/ *HORMONES, ECTOPIC/ HUMAN/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS

2885. **Orts RJ, Benson B:** Inhibition effects on se pituitary LH by a melatonin-free extract o pineal glands. Life Sci [II] 12:513-9, 8
ANIMAL EXPERIMENTS/ ANTIBODIES CASTRATION/ CATTLE/ GEL FILTRA LH, blood/ *LH, metabolism/ MALE/ MELATONIN/ *PINEAL BODY/ *PITUI GLAND, metabolism/ RADIOIMMUNOA RATS/ TESTIS, physiology/ TIME FAC *TISSUE EXTRACTS, pharmacodynamic ULTRAFILTRATION

2886. **Osaka M, Sasagawa T, Fujita T:** Endocrine human jejunum and ileum: an electron mi study of biopsy materials.
Arch Histol Jap 35:235-48, Mar 73
ADULT/ BIOPSY/ ENDOCRINE GLAN cytology/ FEMALE/ HUMAN/ *ILEUM, cytology/ INTESTINAL MUCOSA, cyto *JEJUNUM, cytology/ L CELLS/ MAL MICROSCOPY, ELECTRON/ MIDDLE A

2887. **Osawa N:** [The adrenal cortex]
Clin Endocrinol (Tokyo) 21:19-25, Jan 73
ADOLESCENCE/ *ADRENAL GLANDS, physiology/ ADULT/ AGED/ *AGING/ BINDING, COMPETITIVE/ CHILD/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, blood/ DESOXYCORTICOSTERONE, blood/ FE HUMAN/ HYDROCORTISONE, blood/ MIDDLE AGE/ RADIOIMMUNOASSAY, REVIEW/ VITAMIN E, metabolism

2888. **Osawa N:** [The adrenal cortex]
Clin Endocrinol (Tokyo) 21:19-25, Jan 73
ADOLESCENCE/ *ADRENAL GLANDS physiology/ ADULT/ AGED/ *AGING/ ALDOSTERONE, blood/ BINDING, COMPETITIVE/ CHILD/ CHROMATOG GAS/ DEHYDROEPIANDROSTERONE, DESOXYCORTICOSTERONE, blood/ F HUMAN/ HYDROCORTISONE, blood/ MIDDLE AGE/ RADIOIMMUNOASSAY REVIEW/ VITAMIN E, metabolism

2889. **Osborn D, Hsung JC, Eisenstein EM:** The in of calcium in contractility in the ciliated Spirostomum ambiguum. Behav Biol 8:665-
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHELATING AGENTS/ *CILIATA, ph ELECTRIC STIMULATION/ INCUBAT LOCOMOTION/ PHYSICAL STIMULA PROBABILITY/ VIBRATION

2890. **O'Shea JD, Lee CS:** Effects of sections of ute vascular connections on the duration pseudopregnancy in the rat.
J Reprod Fertil 33:245-53, May 73
ANIMAL EXPERIMENTS/ ARTERIES, physiology/ FALLOPIAN TUBES, phy FEMALE/ INK/ OVARY, anatomy & histology/ *OVARY, blood *PSEUDOPREGNANCY/ RATS/ UTER anatomy & histology/ *UTERUS, bloo VAGINAL SMEARS/ VEINS

2891. **Oshima H, Ochiai K:** On testicular 17 -hydr oxidoreductase product activation of te formation from androstenedione in vi
Biochim Biophys Acta 306:227-36, 24
AGED/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ A EXPERIMENTS/ BINDING SITES/ C ISOTOPES/ CELL-FREE SYSTEM/ CRYSTALLIZATION/ ENZYME ACTI HUMAN/ HYDROGEN-ION CONCENT *HYDROXYSTEROID DEHYDROGENA metabolism/ *17-KETOSTEROIDS, me KINETICS/ MALE/ MICROSOMES, enzymology/ RATS/ SPECIES SPECI TEMPERATURE/ TESTIS, drug effec *TESTIS, enzymology/ *TESTOSTERO biosynthesis/ TESTOSTERONE, isolat

purification/ TESTOSTERONE, pharmacodynamics/ TRITIUM

Östman J, Backman L, Hallberg D: Cell size and lipolysis by human subcutaneous adipose tissue. Acta Med Scand 193:469-75, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, metabolism/ ADOLESCENCE/ ADULT/ BIOPSY/ BODY WEIGHT/ CHOLECYSTECTOMY/ FEMALE/ GLYCERIN, metabolism/ HUMAN/ ILEOSTOMY/ IN VITRO/ JEJUNUM, surgery/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, pharmacodynamics/ *OBESITY, metabolism/ OBESITY, surgery/ PHENTOLAMINE, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics

Osuntokun BO, Agbebi K: Prognosis of Guillain-Barré syndrome in the African: the Nigerian experience. J Neurol Neurosurg Psychiatry 36:478-83, Jun 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CEREBROSPINAL FLUID PROTEINS, analysis/ CHILD/ CHILD, PRESCHOOL/ CRANIAL NERVES/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ NIGERIA/ POLYRADICULITIS, cerebrospinal fluid/ *POLYRADICULITIS, drug therapy/ POLYRADICULITIS, occurrence/ *PREDNISOLONE, therapeutic use/ PROGNOSIS/ SEASONS/ SEX FACTORS/ SOCIOECONOMIC FACTORS

Otaki S, Mashimo K, Yamazaki I: Hydrogen peroxide generating system in hog thyroid microsomes. Biochim Biophys Acta 292:825-33, 5 Apr 73
ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ CYANIDES, pharmacodynamics/ CYTOCHROMES/ CYTOCHROMES, metabolism/ *HYDROGEN PEROXIDE, biosynthesis/ KINETICS/ MICROSOMES, enzymology/ NAD, metabolism/ OXYGEN CONSUMPTION/ PEROXIDASES, metabolism/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SWINE/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ TIME FACTORS

Otsuka M, Tsuchiya T, Kitagawa S: Electroencephalographic and behavioral studies on the central action of nimetazepam (S-1530) in cats. Arzneim Forsch 23:645-52, May 73
AGGRESSION/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ AROUSAL, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ *BENZAZEPINES, pharmacodynamics/ CATS/ *CEREBRAL CORTEX, drug effects/ CHEMISTRY/ DIAZEPAM, pharmacodynamics/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ HIPPOCAMPUS, drug effects/ NITRAZEPAM, pharmacodynamics/ RETICULAR FORMATION, drug effects/ SLEEP, drug effects/ *TRANQUILIZING AGENTS, pharmacodynamics

Otte W, Kröpelin K: Histologische Veränderungen an der Meerschweinchenlunge nach Formaldehyd-Inhalation und Röntgenbestrahlung und ihre Beeinflussung durch Dexamethason-21-isonicotinat. Arzneim Forsch 23:420-4, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ *DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ *FORMALDEHYDE, pharmacodynamics/ GUINEA PIGS/ LUNG, drug effects/ *LUNG, pathology/ LUNG, radiation effects/ PNEUMONIA, pathology/ PULMONARY EDEMA, drug therapy/ PULMONARY EDEMA, pathology/ PULMONARY FIBROSIS, pathology/ *RADIATION INJURIES, EXPERIMENTAL, drug therapy/ RATS/ RATS, INBRED STRAINS

Otawa H: [Effects of catecolamines--biochemical ynamics] Respir Circ (Tokyo) 20:121-6, Feb 72 (Jap)
ADRENAL MEDULLA, analysis/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, metabolism/ CHEMISTRY/ NERVE ENDINGS, analysis

2898. Ozias CB, Stern S: GLycogen levels of preimplantation mouse embryos developing in vitro. Biol Reprod 8:467-72, May 73
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ EMBRYO, enzymology/ EMBRYO, growth & development/ *EMBRYO, metabolism/ FEMALE/ FERTILIZATION/ GESTATIONAL AGE/ *GLUCOSE, metabolism/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *GLUCOSIDASE, metabolism/ *GLUCOSYLTRANSFERASES, metabolism/ GLYCOGEN, analysis/ GLYCOGEN, biosynthesis/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ MALE/ MICE/ NIDATION/ OVULATION, drug effects/ *PHOSPHOGLUCOMUTASE, metabolism/ PREGNANCY

P

2899. Packard GC, Packard MJ: Preliminary study of the influence of thyroxine, temperature, and sex on oxygen uptake by tissues from the spadefoot toad Scaphiopus bombifrons. Gen Comp Endocrinol 20:530-3, Jun 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ FEMALE/ *LIVER, metabolism/ MALE/ *MUSCLES, metabolism/ *OXYGEN CONSUMPTION/ SEX FACTORS/ *TEMPERATURE/ *THYROXINE, pharmacodynamics/ TOADS

2900. Packham MA, Guccione MA, Chang PL, et al: Platelet aggregation and release: effects of low concentrations of thrombin or collagen. Am J Physiol 225:38-47, Jul 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ CARBON ISOTOPES/ *COLLAGEN, pharmacodynamics/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HUMAN/ *PLATELET ADHESIVENESS, drug effects/ RABBITS/ SEROTONIN, pharmacodynamics/ *THROMBIN, pharmacodynamics

2901. Pacovský V: Periferní faktor při působení hormonů. Cas Lek Cesk 112:617-9, 18 May 73 (Cze)
CZECHOSLOVAKIA/ ENDOCRINE GLANDS, physiology/ ENDOCRINOLOGY, history/ ENGLISH ABSTRACT/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ *HORMONES, physiology/ HUMAN/ MALE/ NEUROHUMORS/ NEUROSECRETION/ NEUROSECRETORY SYSTEMS/ SOMATOTROPIN, metabolism/ THYROXINE, metabolism/ VASOPRESSIN, metabolism

2902. Pages A, Marty-Double C, Baldet P: Dystrophies musculaires d'origine métaboliqque et endocrinienne. Ann Anat Pathol (Paris) 18:141-68, Apr-Jun 73 (146 ref.) (Fre)
ADRENAL GLAND DISEASES, complications/ ALCOHOLIC INTOXICATION, complications/ DIABETES MELLITUS, complications/ *ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ GLYCOGENOSIS, complications/ GLYCOGENOSIS, pathology/ HUMAN/ HYPERKALEMIA, complications/ HYPERTHYROIDISM, complications/ HYPOKALEMIA, complications/ HYPOTHYROIDISM, complications/ IRON, metabolism/ *METABOLIC DISEASES, complications/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MUSCLES, pathology/ *MUSCULAR DISEASES, etiology/ NEOPLASMS, complications/ PARALYSIS, etiology/ PARATHYROID DISEASES, complications/ PITUITARY DISEASES, complications/ REVIEW/ UREMIA, complications/ VITAMIN E DEFICIENCY, complications

2903. **Pages RA, Robbins J, Edelhoch H:** Binding of thyroxine and thyroxine analogs to human serum prealbumin.
Biochemistry 12:2773-9, 3 Jul 73
DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ IODINE ISOTOPES/ IODOTYROSINE/ PROTEIN BINDING/ *SERUM ALBUMIN/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROXINE

2904. **Palicari G:** Vitamina D in actualitate.
Pediatria (Bucur) 21:299-303, Jul-Aug 72 **(Rum)**
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ HUMAN/ KIDNEY, metabolism/ LIVER, metabolism/ PHOSPHORUS, metabolism/ RESEARCH/ *VITAMIN D/ VITAMIN D, metabolism/ VITAMIN D, physiology

2905. **Palinkashi DG, Balybin ES:** Znachenie sostoianiia iodnogo obmena v razvitii obshchei luchevoi reaktsii.
Med Radiol (Mosk) 17:37-40, Sep 72 **(Rus)**
ADULT/ AGED/ BLADDER NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, radiotherapy/ ENGLISH ABSTRACT/ ESOPHAGEAL NEOPLASMS, radiotherapy/ FEMALE/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES/ LUNG NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ NEOPLASMS, radiotherapy/ *NEOPLASMS, radiotherapy/ *RADIATION INJURIES, metabolism/ *RADIOTHERAPY, adverse effects/ RECTAL NEOPLASMS, radiotherapy

2906. **Palmer HE:** Feasibility of determining total-body calcium in animals and humans by measuring 37 Ar in expired air after neutron irradiation.
J Nucl Med 14:522-7, Jul 73
*ACTIVATION ANALYSIS/ ANIMAL EXPERIMENTS/ *ARGON, analysis/ *BONE AND BONES, analysis/ *CALCIUM, analysis/ DOGS/ FAST NEUTRONS/ *RADIOISOTOPES, analysis/ RATS

2907. **Palmer KA, Green S, Legator MS:** Dominant lethal study of p,p'-DDT in rats.
Food Cosmet Toxicol 11:53-62, Feb 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ DDT, administration & dosage/ *DDT, toxicity/ FEMALE/ FERTILITY, drug effects/ GENES, DOMINANT/ GENES, LETHAL/ INJECTIONS, INTRAPERITONEAL/ INTUBATION, GASTROINTESTINAL/ MALE/ MEIOSIS/ *MUTAGENS, pharmacodynamics/ NIDATION, drug effects/ PREGNANCY/ RATS/ REPRODUCTION, drug effects/ SPERMATOGENESIS, drug effects/ TIME FACTORS/ TRIETHYLENE MELAMINE, pharmacodynamics

2908. **Palos LA:** Biologicheskaia rol' kisloroda atmosfery v mekhanizme svertyvaniia krovi.
Kosm Biol Med 6:8-13, Sep-Oct 72 **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ *AIR/ ANIMAL EXPERIMENTS/ ANOXEMIA, physiopathology/ ATMOSPHERE/ BLOOD CIRCULATION/ *BLOOD COAGULATION/ COUMARINS, pharmacodynamics/ CYSTEINE, pharmacodynamics/ DECOMPRESSION SICKNESS, physiopathology/ FACTOR X, physiology/ HEMOPHILIA, physiopathology/ HUMAN/ HYPERBARIC OXYGENATION/ HYPERTHYROIDISM, physiopathology/ IN VITRO/ MICE/ OXIDATION-REDUCTION/ *OXYGEN, pharmacodynamics/ PROTHROMBIN, antagonists & inhibitors/ RESPIRATION

2909. **Palutke WA, Chen Y, Chen H:** Presence of brightly fluorescent material in testes of XX males.
J Med Genet 10:170-4, Jun 73
ADOLESCENCE/ ADULT/ BIOPSY/ BLOOD GROUPS/ CHILD/ CHROMOSOME ABNORMALITIES/ DERMATOGLYPHICS/ FEMALE/ *FLUORESCENCE/ HUMAN/ HYPOGONADISM, familial & genetic/ LEYDIG CELLS/ MALE/ MENTAL RETARDATIO
familial & genetic/ NEGROID RACE/ OBESITY, familial & genetic/ PHENOTY
SERTOLI CELLS, analysis/ *SEX CHROMATIN, analysis/ SEX DIFFERENTIATION DISORDERS/ *TEST
analysis

2910. **Pampiglione G:** The effect of metabolic disor
brain activity J R Coll Physicians Lond 7:347-6
ADOLESCENCE/ ADULT/ AGE FACTO
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *BRAIN, physiopatholo
CHILD/ CHILD, PRESCHOOL/ ELECTROENCEPHALOGRAPHY/ HOMEOSTASIS/ HUMAN/ HYPERCALC
complications/ HYPERGLYCEMIA, complications/ HYPERNATREMIA, complications/ HYPOCALCEMIA, complications/ HYPOGLYCEMIA, complications/ HYPONATREMIA, complications/ INFANT/ INFANT, NEW
LIVER DISEASES, complications/ *METABOLIC DISEASES, physiopatholo
METABOLISM, INBORN ERRORS, complications/ *NEUROLOGIC MANIFESTATIONS/ NUTRITION DISO
complications/ TIME FACTORS

2911. **Panecka A, Karski J, Chodnikiewicz J, et al:** Po
związane z operacyjnym wycięciem wola
Pol Tyg Lek 28:737-40, 14 May 73
ADULT/ ENGLISH ABSTRACT/ FEMA
*GOITER, surgery/ HUMAN/ MALE/ POLAND/ *POSTOPERATIVE COMPLICATIONS/ POSTOPERATIVE COMPLICATIONS, occurrence

2912. **Pankesepp J, Zolovick AJ, Jalowiec JE,**
Fenfluramine: effects on aggression.
Biol Psychiatry 6:181-6, Apr 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ CATS/ CORTICAL DESYNCHRONIZATION/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ELECTROSHOCK/ EYE MOVEMENTS/ FENFLURAMINE, administration & dos
*FENFLURAMINE, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodyn
HYPOTHALAMUS, physiology/ MALE/ SLEEP, drug effects/ WAKEFULNESS, effects

2913. **Pant MC, Bisht JS:** Cyclic changes in the pituit
of Glyptothorax pectinopterus (McClella
correlation with its male reproductive
Anat Anz 133:51-8, 1973
ANIMAL EXPERIMENTS/ *FISHES, an
& histology/ MALE/ *PITUITARY GL
cytology/ PITUITARY GLAND, physiol
*REPRODUCTION/ TESTIS, cytology/
FACTORS

2914. **Pantazopoulos T, Exarchou E, Hartofilak**
Idiopathic transient osteoporosis of the
J Bone Joint Surg [Am] 55:315-21, Ma
ACETABULUM, radiography/ ADULT/ BIOPSY/ DENSITOMETRY, X-RAY/ F
FEMUR HEAD, radiography/ FEMUR
radiography/ *HIP/ HUMAN/ KNEE/
MIDDLE AGE/ *OSTEOPOROSIS/ OSTEOPOROSIS, radiography/ PAIN/ SYNOVIAL MEMBRANE, pathology

2915. **Paoletti R, Fumagalli R, Sirtori R Jr:**
ipolipemizzanti.
Minerva Med 64:1267-75, 14 Apr 73
ANDROGENS, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effec
BUTYRATES, pharmacodynamics/ CHOLESTYRAMINE, pharmacodynamics
CLOFIBRATE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FAT
ACIDS, NONESTERIFIED, blood/ HUM
HYPERCHOLESTEREMIA, drug therap
HYPERLIPEMIA, drug therapy/ INTE
ABSORPTION, drug effects/ *LIPIDS, LIPIDS, metabolism/ NEOMYCIN, pharmacodynamics/ NICOTINIC ACID,

pharmacodynamics/ THYROID HORMONES, pharmacodynamics/ TRIGLYCERIDES, blood

Papanicolaou N, Meyer P: Inactivation of prostaglandins E 2 and A 2 on their single passage through the pulmonary vascular bed in anaesthetized rats. Rev Can Biol 31:313-6, Dec 72
ABSORPTION/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ LUNG, blood supply/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PULMONARY CIRCULATION/ RATS

Paradis B: La clinique de la douleur au CHU. Union Med Can 102:624-8, Mar 73 (Fre)
ANESTHETICS, administration & dosage/ *ARTHRITIS, drug therapy/ AUTONOMIC NERVE BLOCK/ CAUSALGIA, drug therapy/ ENGLISH ABSTRACT/ HERPES ZOSTER, drug therapy/ HOSPITAL DEPARTMENTS/ *HOSPITALS, TEACHING/ HYDROCORTISONE, administration & dosage/ INJECTIONS, INTRA-ARTICULAR/ METHODS/ *NEURALGIA, drug therapy/ *PAIN, therapy/ *PERIARTHRITIS, drug therapy/ POLYVINYLPYRROLIDONE, administration & dosage/ PRILOCAINE, administration & dosage/ QUEBEC

Pare CM: Psychiatric complications of everyday drugs. Practitioner 210:120-6, Jan 73
ANALGESICS AND ANTIPYRETICS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTIDEPRESSIVE AGENTS, adverse effects/ ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTIPARKINSON DRUGS, adverse effects/ APPETITE DEPRESSANTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ CORTICOTROPIN, adverse effects/ DRUG ABUSE/ *DRUG THERAPY, adverse effects/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ *MENTAL DISORDERS, chemically induced/ TRANQUILIZING AGENTS, adverse effects

Parent A: Demonstration of a catecholaminergic pathway from the midbrain to the strio-amygdaloid complex in the turtle (Chrysemys picta). J Anat 114:379-87, Apr 73
AMYGDALOID BODY, analysis/ *AMYGDALOID BODY, cytology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, analysis/ *HYPOTHALAMUS, cytology/ MESENCEPHALON, analysis/ *MESENCEPHALON, cytology/ MICROSCOPY, FLUORESCENCE/ NERVE ENDINGS/ *TURTLES, anatomy & histology

Paris A, Kelly P, Ramaley JA: Effects on short-term stress upon fertility. II. After puberty. Fertil Steril 24:546-52, Jul 73
ANIMAL EXPERIMENTS/ ESTRUS/ ETHERS/ FEMALE/ *FERTILITY/ HEAT/ IMMOBILIZATION/ MALE/ MICE/ MICE, INBRED STRAINS/ PREGNANCY/ PUBERTY/ *STRESS/ TIME FACTORS

Paris AL, Ramaley JA: Effects of short-term stress upon fertility, I. Before puberty. Fertil Steril 24:540-5, Jul 73
AGE FACTORS/ BODY WEIGHT/ FEMALE/ *FERTILITY/ FERTILIZATION/ GROWTH/ *HEAT/ LACTATION/ MALE/ MICE/ MICE, INBRED STRAINS/ MORTALITY/ PREGNANCY/ *PUBERTY/ SEX BEHAVIOR, ANIMAL/ *STRESS/ TIME FACTORS/ VAGINA, physiology

Paris AM, Leedham PW: Histology of the divided vas. Proc R Soc Med 66:371-3, Apr 73
ANIMAL EXPERIMENTS/ GRANULOMA, etiology/ GRANULOMA, pathology/ HUMAN/ LIGATION/ MALE/ MIDDLE AGE/ RATS/ SEMEN/ SPERMATOZOA/ TESTIS, anatomy & histology/ *VAS DEFERENS, anatomy & histology/ VAS DEFERENS, pathology/ *VASECTOMY, adverse effects

2923. Paris R, Chaibi A, Clément J: Effets de la thyroïdectomie sur l'installation de la steatose hépatique provoquée par administration de CCL 4 chez le rat pubère et non pubère.
J Physiol (Paris) 65:Suppl 3:464A, 1972 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON TETRACHLORIDE POISONING/ *FATTY LIVER/ FATTY LIVER, chemically induced/ *LIPIDS, analysis/ *LIVER EXTRACTS, analysis/ MALE/ OXYGEN CONSUMPTION/ PHOSPHOLIPIDS, analysis/ PUBERTY/ RATS/ *THYROIDECTOMY

2924. Park WY, Macnamara TE: Clinical study of pancuronium as muscle relaxant in anesthesia.
Anesth Analg (Cleve) 52:502-7, Jul-Aug 73
*ANDROSTANES, pharmacodynamics/ ANESTHESIA, INHALATION/ ARTERIES/ ATROPINE, administration & dosage/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARBON DIOXIDE, blood/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, pharmacodynamics/ HALOTHANE, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHOXYFLURANE, pharmacodynamics/ NEOSTIGMINE, administration & dosage/ NEOSTIGMINE, pharmacodynamics/ NEURAL TRANSMISSION, drug effects/ NEUROLEPTOANALGESIA/ NEUROMUSCULAR JUNCTION, drug effects/ OXYGEN, blood/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ PULSE, drug effects/ SUCCINYLCHOLINE/ TIME FACTORS

2925. Parker DC, Rossman LG, Vander Laan EF: Sleep-related, nychthermeral and briefly episodic variation in human plasma prolactin concentrations.
J Clin Endocrinol Metab 36:1119-24, Jun 73
CIRCADIAN RHYTHM/ FEMALE/ HALF-LIFE/ HUMAN/ MALE/ *PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ *SLEEP

2926. Parker JC Jr, Van Nagell JR Jr, Harralson JD: The mesonephroid (hypernephroid) carcinomatous pattern--a rare variant of primary endocervical adenocarcinoma. Cancer 32:259-65, Jul 73
ADULT/ CASE REPORT/ *CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, surgery/ CERVIX UTERI, pathology/ FALLOPIAN TUBES, pathology/ FEMALE/ HUMAN/ HYSTERECTOMY/ *MESONEPHROMA, pathology/ MESONEPHROMA, surgery/ OVARY, pathology/ UTERUS, pathology

2927. Parker LN: Thyroid suppression and adrenomedullary activation by low-intensity microwave radiation.
Am J Physiol 224:1388-90, Jun 73
*ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ CORTICOSTERONE, blood/ EPINEPHRINE, biosynthesis/ LEUKOCYTE COUNT/ MALE/ *MICROWAVES, adverse effects/ PROTEIN-BOUND IODINE TEST/ RATS/ *THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROXINE, biosynthesis

2928. Parkhomovskii MA, Eidel'shtein SI: Primenenie depo-preparatov pri lechenii khronicheskogo vospaleniia verkhnechelustnoi pazukhi.
Vestn Otorinolaringol 34:48-52, Jul-May 73 (Rus)
ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ DELAYED-ACTION PREPARATIONS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *MAXILLARY SINUS/ NEOMYCIN, administration & dosage/ NEOMYCIN, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ QUINOLINES, administration & dosage/ QUINOLINES, therapeutic use/ RABBITS/ *SINUSITIS, drug therapy

U. OF I., URBANA-CHAMPAIGN

2929. **Parkinson TM, Schneider JC Jr, Phillips WA:** Effects of colestipol hydrochloride (U-26,597A) on serum and fecal lipids in dogs.
Atheroscierosis 17:167-79, Mar-Apr 73
ANIMAL EXPERIMENTS/ *ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ *BILE ACIDS AND SALTS, analysis/ BLOOD PROTEINS, analysis/ CHOLIC ACID, analysis/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ DEOXYCHOLIC ACID, analysis/ DOGS/ *ETHERS, CYCLIC, metabolism/ FECES, analysis/ LIPIDS, blood/ *LIPIDS, metabolism/ LITHOCHOLIC ACID, analysis/ MASS SPECTRUM ANALYSIS/ *POLYAMINES, metabolism/ POLYMERS, metabolism/ STEROIDS, analysis/ STEROLS, analysis/ TRIGLYCERIDES, blood

2930. **Parlow AF, Bailey CM, Foote WD:** The unusual effect of gonadectomy on pituitary gonadotrophins in the male bovine. J Reprod Fertil 33:441-50, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CASTRATION/ *CATTLE, physiology/ DIETHYLSTILBESTROL, pharmacodynamics/ FSH, analysis/ *GONADOTROPINS, PITUITARY/ LH, analysis/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ TESTIS

2931. **Parsons V:** Divalent ion metabolism and the kidney.
Nephron 10:157-73, 1973 (82 ref.)
BIOLOGICAL TRANSPORT, ACTIVE/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CALCIUM, urine/ CELL MEMBRANE PERMEABILITY/ CHOLECALCIFEROL, metabolism/ ENDOPLASMIC RETICULUM/ HOMEOSTASIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, therapy/ INTESTINAL ABSORPTION/ INTESTINES, metabolism/ KIDNEY, metabolism/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, metabolism/ LIVER, metabolism/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ MUSCLE CONTRACTION/ PHOSPHATES, metabolism/ POSTOPERATIVE COMPLICATIONS/ REVIEW/ SODIUM, metabolism

2932. **Parvinen M:** Observations on freshly isolated and accurately identified spermatogenic cells of the rat. Early effects of heat and short-time experimental cryptorchidism.
Virchows Arch [Zellpathol] 13:38-47, 15 May 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHROMOSOMES/ *CRYPTORCHISM, pathology/ *HEAT/ LIPIDS/ MALE/ MEIOSIS/ MICROSCOPY, PHASE CONTRAST/ PHAGOCYTOSIS/ RATS/ SERTOLI CELLS, cytology/ SPERMATOGENESIS/ SPERMATOZOA, cytology/ *TESTIS, pathology/ TESTIS, surgery/ TIME FACTORS/ TRANSILLUMINATION

2933. **Pascalov-Stoenescu L, Sterescu N:** Influence of a single dose of hydrocortisone on skin temperature pattern in early postnatal stages.
Rev Roum Physiol 10:229-35, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BODY TEMPERATURE REGULATION, drug effects/ HEAT/ *HYDROCORTISONE, pharmacodynamics/ RATS/ *SKIN TEMPERATURE, drug effects

2934. **Pascher F:** Systemic reactions to topically applied drugs. Howard Fox memorial lecture.
Bull NY Acad Med 49:613-27, Jul 73 (70 ref.)
ADOLESCENCE/ AGE FACTORS/ BORIC ACIDS, poisoning/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GLUCOCORTICOIDS, TOPICAL, adverse effects/ GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HEXACHLOROPHENE, poisoning/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MERCURY POISONING/ PERMEABILITY/ PHENOLS, poisoning/ PITUITARY-ADRENAL SYSTEM, drug e PODOPHYLLIN, adverse effects/ RESIN adverse effects/ RESORCINOL, adverse effects/ REVIEW/ SALICYLIC ACID, poisoning/ SKIN ABSORPTION/ SKIN ABSORPTION, radiation effects/ *TOXICOLOGY/ TRIAMCINOLONE, pharmacodynamics

2935. **Pasko Z, Padzik H:** Wstepne badania nad wi estradiolu przez tkanki prawidlowe i nowot
Nowotwory 23:15-24, Jan-Jun 73
BINDING SITES/ *BREAST NEOPLASM metabolism/ CLOMIPHENE, metabolism CYTOSOL, metabolism/ ENGLISH ABS *ESTRADIOL, metabolism/ FEMALE/ H *RECEPTORS, HORMONE/ TISSUE EXTRACTS, metabolism/ TRITIUM/ UT metabolism/ VAGINA, metabolism

2936. **Pasqualini RQ:** Souvenirs prolactiniques. P chez le mâle; déconnection hypophysaire;" s de Chiari-Frommel.
Ann Endocrinol (Paris) 33:476-80, Jul-Aug
ADULT/ AMENORRHEA, etiology/ AN EXPERIMENTS/ APPETITE DISORDER etiology/ CASTRATION/ *CHIARI-FRO SYNDROME/ CHIARI-FROMMEL SYND therapy/ DRUG SYNERGISM/ ENGLIS ABSTRACT/ FEMALE/ GONADOTROPI urine/ HEADACHE, etiology/ HEMIAN etiology/ HUMAN/ MALE/ ORGAN WI POLYURIA, etiology/ *PROLACTIN/ *PROLACTIN, pharmacodynamics/ PROLACTIN, urine/ PROSTATE, drug RATS/ SEMINAL VESICLES, drug eff SEX DISORDERS, etiology/ TESTOSTE pharmacodynamics

2937. **Pasquier Rivero DA, Coca García MC, Gómez** Estudio Cariométrico de las células fo tiroideas en animales fenilcetonúricos.
Rev Clin Esp 127:1047-50, 31 Dec 72
ANIMAL EXPERIMENTS/ *CELL NUC ENGLISH ABSTRACT/ FEMALE/ INF NEWBORN/ KARYOMETRY/ MATERNAL-FETAL EXCHANGE/ PHENYLALANINE, administration & *PHENYLKETONURIA, pathology/ PREGNANCY/ RATS/ *THYROID GLA pathology/ TIME FACTORS

2938. **Passa P, Canivet J, Masquet C, et al:** Acron fonction cardiaque. Etude hémodynamic
Nouv Presse Med 2:1455, 26 May 73
*ACROMEGALY, physiopathology/ *HE physiopathology/ HEMODYNAMICS/ H PROGNOSIS/ SOMATOTROPIN, blood

2939. **Pasykowa K, Jelonek A, Depowski M:** Adip subcutanea neonatorum.
Przegl Lek 30:392-4, 1973
*ADIPOSE TISSUE/ ADULT/ AUTOPS FEMALE/ HUMAN/ HYPERCALCEMI complications/ *NECROSIS/ NECROSI pathology

2940. **Pateman JA, Kinghorn JR, Dunn E, et al:** A regulation in Aspergillus nidulans.
J Bacteriol 114:943-50, Jun 73
*AMMONIUM COMPOUNDS, metaboli *ASPERGILLUS, metabolism/ ASPERG NIDULANS, enzymology/ ASPERGILL NIDULANS, metabolism/ CARBON IS CULTURE MEDIA/ DRUG RESISTAN MICROBIAL/ ENZYME REPRESSION/ GLUTAMATE DEHYDROGENASE, me GLUTAMATES, metabolism/ MUTATI NADH, NADPH OXIDOREDUCTASES, metabolism/ NITRATE REDUCTASES, metabolism/ THIOUREA, metabolism/ XANTHINE OXIDASE, metabolism

2941. **Paterson CA, Eck BA:** Influence of prosta cation movement in the lens.
Exp Eye Res 15:767-78, 24 May 73
ANIMAL EXPERIMENTS/ BIOLOGIC TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ LENS, CRYS analysis/ LENS, CRYSTALLINE, drug

*LENS, CRYSTALLINE, metabolism/ POTASSIUM, analysis/ *POTASSIUM, metabolism/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ R.`BBITS/ *RUBIDIUM, metabolism/ SODIUM, analysis/ *SODIUM, metabolism/ TEMPERATURE

ithak S, Hsu TC, Utakoji T: Relationships between atterns of chromosome banding and DNA synthetic equences: a study on the chromosomes of the Seba's ruit bat, Carollia perspicillata.
Cytogenet Cell Genet 12:157-64, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHIROPTERA/ CHROMOSOME MAPPING/ *CHROMOSOMES, analysis/ *DNA, biosynthesis/ KARYOTYPING/ *SEX CHROMOSOMES

tman RD, Thompson JE, Persson AV: Management of ost-traumatic pain syndromes: report of 113 cases.
nn Surg 177:780-7, Jun 73
ADOLESCENCE/ ADULT/ AGED/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARM INJURIES, complications/ AUTONOMIC NERVE BLOCK/ CAUSALGIA, drug therapy/ CAUSALGIA, etiology/ CAUSALGIA, surgery/ CHILD/ CICATRIX, surgery/ CORTISONE, therapeutic use/ FEMALE/ FRACTURES, complications/ GANGLIONIC BLOCKADERS, therapeutic use/ HUMAN/ LEG INJURIES, complications/ LIDOCAINE, therapeutic use/ MALE/ *NEURALGIA, therapy/ PHYSICAL THERAPY/ SYMPATHECTOMY/ VASODILATOR AGENTS, therapeutic use/ *WOUNDS AND INJURIES, complications/ WOUNDS, GUNSHOT, complications

trick G: The regulation of intestinal calcium ransport by vitamin D. Nature 243:89-91, 11 May 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CHOLECALCIFEROL, pharmacodynamics/ *DUODENUM, metabolism/ KINETICS/ MALE/ RATS/ *VITAMIN D DEFICIENCY, metabolism

ttison JR, Mansell PE: Fucidin-resistant taphylococci in current hospital practice.
Med Microbiol 6:235-44, May 73
CHILD, PRESCHOOL/ CLOXACILLIN, pharmacodynamics/ *DRUG RESISTANCE, MICROBIAL/ *FUSIDIC ACID, pharmacodynamics/ HUMAN/ INFANT, NEWBORN/ MICROBIAL SENSITIVITY TESTS/ PREDNISOLONE, pharmacodynamics/ *STAPHYLOCOCCUS, drug effects

ulas HE, Whitehouse MW: Nonsteroid nti-inflammatory agents.
nnu Rev Pharmacol 13:107-25, 1973 (304 ref.)
ALBUMINS, metabolism/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ BLOOD PLATELETS, drug effects/ CATTLE/ DOGS/ DRUG INTERACTIONS/ GUINEA PIGS/ HUMAN/ LIVER, cytology/ LYSOSOMES, drug effects/ MICE/ PEPTIDES, therapeutic use/ PROSTAGLANDINS, pharmacodynamics/ PROTEINS, therapeutic use/ RATS/ REVIEW/ SERUM ALBUMIN, metabolism/ STOMACH DISEASES, drug therapy/ STOMACH ULCER, drug therapy

usescu E, Chirvasie R: Biochemical changes in the latelet energy transferring system during oncomitant action of cephalin and serotonin.
r J Haematol 24:605-12, May 73
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ *CEPHALINS, pharmacodynamics/ CULTURE MEDIA/ DOGS/ GLUTATHIONE, metabolism/ GLUTATHIONE REDUCTASE, blood/ IN VITRO/ NAD, metabolism/ NADP, metabolism/ PLATELET ADHESIVENESS/ *SEROTONIN, pharmacodynamics/ SPECTROPHOTOMETRY/ STIMULATION, CHEMICAL

2948. **Pavel S, Petrescu M, Vicoleanu N:** Evidence of central gonadotropin inhibiting activity of arginine vasotocin in the female mouse.
Neuroendocrinology 11:370-4, 1973
ANIMAL EXPERIMENTS/ *ARGININE/ *CASTRATION/ CEREBRAL VENTRICLES, drug effects/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HYPERTROPHY/ INJECTIONS, INTRATHECAL/ INJECTIONS, INTRAVENOUS/ MICE/ OVARIAN DISEASES/ OVARY/ *PINEAL BODY, physiology/ POSTOPERATIVE COMPLICATIONS/ *VASOTOCIN, administration & dosage/ VASOTOCIN, cerebrospinal fluid/ VASOTOCIN, pharmacodynamics/ VASOTOCIN, physiology

2949. **Pavlenko-Mikhailov IuN:** Dinamika izmenenii laichnikov, gipofiza i nadpochechnikov v latentnom periode radiatsionnogo kantserogeneza.
Vopr Onkol 18:87, 1972 **(Rus)**
ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ FEMALE/ *NEOPLASMS, EXPERIMENTAL, pathology/ OVARY, radiation effects/ PITUITARY GLAND, radiation effects/ *RADIATION INJURIES, EXPERIMENTAL, pathology/ RATS

2950. **Pavlotskii AI, Novikova LA, Svet-Moldavskii GIa, et al:** Sposob izbiratel'noi zashchity zheludochno-kishechnogo trakta pri lechenii metotreksatom bol'nykh trofoblasticheskimi opukholiami.
Vopr Onkol 19:30-6, May 73 **(Rus)**
ADMINISTRATION, ORAL/ ADULT/ CHARCOAL/ CHORIOCARCINOMA, drug therapy/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ FOLIC ACID, administration & dosage/ FOLIC ACID, pharmacodynamics/ FOLIC ACID, therapeutic use/ *GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ LUNG NEOPLASMS, drug therapy/ METHOTREXATE, administration & dosage/ *METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS, drug therapy/ PREGNANCY/ *TROPHOBLASTIC TUMOR, drug therapy/ *UTERINE NEOPLASMS, drug therapy/ VAGINAL NEOPLASMS, drug therapy

2951. **Pavůr J:** Familiárna polypóza hrubého čreva.
Rozhl Chir 52:318-22, May 73 **(Slo)**
ADULT/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ *INTESTINE, LARGE/ MALE/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY/ OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME, familial & genetic/ SKIN NEOPLASMS

2952. **Pawlikowski M, Lewandowski J:** Cykliczny adenozyno-3',5'-monofosforan jako wewnątrzkomórkowy mediator działania hormonów.
Endokrynol Pol 24:105-32, 1973 (136 ref.) **(Pol)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE MONOPHOSPHATE/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CELLS, metabolism/ CELLS, physiology/ GLUCAGON, physiology/ GLYCOGEN, metabolism/ GUINEA PIGS/ *HORMONES, physiology/ HUMAN/ INSULIN, physiology/ PARATHYROID HORMONE, physiology/ PITUITARY HORMONES, physiology/ REVIEW/ SEX HORMONES, physiology/ THYROID HORMONES, physiology

2953. **Pawlotsky Y, Marcheteau M, Simon M, et al:** Observation anatomo-clinique d'une hemochromatose avec hypoparathyroidie et cancer du foie.
Rev Rhum Mal Osteoartic 39:259-70, Apr 72 **(Fre)**
ADULT/ AGE FACTORS/ CALCIUM, blood/ CALCIUM, urine/ CASE REPORT/ CHONDROCALCINOSIS/ ENGLISH ABSTRACT/ FEMALE/ *HEMOCHROMATOSIS/ HEMOCHROMATOSIS, metabolism/

HEMOCHROMATOSIS, pathology/ HUMAN/ *HYPOPARATHYROIDISM/ HYPOPARATHYROIDISM, etiology/ HYPOPARATHYROIDISM, metabolism/ HYPOPARATHYROIDISM, pathology/ IRON, metabolism/ *LIVER NEOPLASMS/ MALE/ MIDDLE AGE/ OSTEOLYSIS, ESSENTIAL/ PHOSPHORUS, blood/ PHOSPHORUS, urine/ SEX FACTORS/ TETANY

2954. **Pay MG**: The effect of short lactations on the productivity of sows. Vet Rec 92:255-9, 10 Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ DIARRHEA, prevention & control/ DIARRHEA, veterinary/ ENVIRONMENT, CONTROLLED/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ *FERTILITY/ HOUSING, ANIMAL/ *LACTATION/ MALE/ PREGNANCY/ *SWINE, physiology/ TIME FACTORS/ *WEANING

2955. **Payk TR**: Psychische Veränderungen als Nebenwirkungen hormoneller Kontrazeptiva. Fortschr Neurol Psychiatr 41:225-35, Apr 72 (Ger)
ADULT/ ANXIETY, chemically induced/ AUTONOMIC NERVOUS SYSTEM, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/ DRIVE, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIBIDO, drug effects/ NERVOUS SYSTEM DISEASES, chemically induced/ *PSYCHOSES, TOXIC, etiology

2956. **Payne AP**: A comparison of the aggressive behaviour of isolated intact and castrated male golden hamsters towards intruders introduced into the home cage. Physiol Behav 10:629-31, Mar 73
*AGGRESSION/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CASTRATION/ HAMSTERS/ HOME RANGE/ *HOUSING, ANIMAL/ MALE/ REACTION TIME/ *SOCIAL ISOLATION

2957. **Payne AP, Swanson HH**: The effect of sex hormones on the aggressive behaviour of the female golden hamster (Mesocricetus auratus Waterhouse). Anim Behav 20:782-7, Nov 72
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ CUES/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *HAMSTERS/ LACTATION/ MALE/ PREGNANCY/ PREGNANCY, ANIMAL/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROPIONATES/ SEX FACTORS/ SMELL/ SOCIAL DOMINANCE/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

2958. **Peachey JE, Stancer HC**: An animal model for psychopharmacological research with relevance to psychiatry. Can Psychiatr Assoc J 18:139-46, Apr 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ P-CHLOROPHENYLALANINE, administration & dosage/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ METHYLTYROSINES, administration & dosage/ METHYLTYROSINES, pharmacodynamics/ *MODELS, BIOLOGICAL/ MONKEYS/ NOREPINEPHRINE, metabolism/ *PSYCHIATRY/ *PSYCHOPHARMACOLOGY/ *RESEARCH/ SEROTONIN, metabolism/ SOCIAL BEHAVIOR/ SPECIES SPECIFICITY

2959. **Peake GT, Wilson M, Steiner AL, et al**: Effects of a purified growth hormone releasing factor on growth hormone secretion and pituitary cyclic nucleotide content. Metabolism 22:769-72, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ HYPOTHALAMUS/ HYPOTHALAMUS, metabolism/ IN VITRO/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, secretion/ *PIT HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORM RELEASING FACTORS, physiology/ R SHEEP/ *SOMATOTROPIN, secretion/ EXTRACTS, pharmacodynamics

2960. **Pearse AG, Bussolati G, Polak J**: Immunoflu studies on the G cells in normal and abnorm mucosa.
Acta Hepatogastroenterol (Stuttg) 19:291-72
ACROMEGALY, pathology/ ANEMIA, PERNICIOUS, pathology/ BIOPSY/ FLUORESCENT ANTIBODY TECHNIC GASTRIC MUCOSA, cytology/ GASTR MUCOSA, metabolism/ *GASTRIC MU pathology/ *GASTRIN, secretion/ HUM IMMUNE SERUMS/ PYLORIC ANTRU cytology/ PYLORIC ANTRUM, metabo PYLORIC ANTRUM, pathology/ RABI immunology/ ZOLLINGER-ELLISON SYNDROME, pathology

2961. **Pecker J, Javalet A, Faivre J, et al**: La hypophysaire par voie sphénoïdale. Rev Otoneuroophtalmol 44:275-9, May-Jun
ANESTHESIA, GENERAL/ HUMAN/ METHODS/ *PITUITARY NEOPLASM surgery/ POSTURE/ *SPHENOID SIN surgery

2962. **Pecker J, Simon J, Guy G, et al**: Radiological the meningoradicular metastases of tum central nervous system. Report of tw J Neurosurg 38:627-30, May 73
ADULT/ *CEREBRAL VENTRICLE NEOPLASMS/ CEREBRAL VENTRICL NEOPLASMS, radiography/ CHILD/ MALE/ *MEDULLOBLASTOMA, radio MYELOGRAPHY/ *NEOPLASM CIRC CELLS/ NEOPLASM METASTASIS/ *PINEALOMA, radiography/ *SPINAL NEOPLASMS, radiography/ SPINAL ROOTS, radiography

2963. **Peckham WD, Yamaji T, Dierschke DJ, et** function and the biological and physi properties of follicle stimulating horm Endocrinology 92:1660-6, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGIC ASSAY/ CASTRATION/ FEMALE/ F analysis/ FSH, blood/ *FSH, physiolo FILTRATION/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, ana RADIOIMMUNOASSAY

2964. **Peel J, Potts M**: The sociology of populati Soc Sci Med 7:179-90, Mar 73
ABORTION, LEGAL/ AFRICA/ BIRT CHINA/ CONTRACEPTIVE DEVICES & distribution/ CONTRACEPTIVES, supply & distribution/ CULTURE/ D OF HEALTH CARE/ DEVELOPING COUNTRIES/ ECONOMICS/ ENGLAN FAMILY PLANNING/ FEMALE/ HU INDIA/ INTRAUTERINE DEVICES/ PHILOSOPHY/ *POPULATION CONT PREGNANCY/ SOCIOLOGY/ SOUTH AMERICA/ STERILIZATION, SEXUA

2965. **Pegg AE, Corti A, Williams-Ashman HG**: enhancement of S-adenosylmethionine de in rat tissues following administration of inhibitor methyl glyoxal bis(guanylhy Biochem Biophys Res Commun 52:696-701
S-ADENOSYLMETHIONINE/ *AMIDI pharmacodynamics/ ANIMAL EXPER CARBON ISOTOPES/ *CARBOXY-LY metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ FEMALE/ GLYO pharmacodynamics/ HALF-LIFE/ HYDRAZONES, pharmacodynamics/ drug effects/ *KIDNEY, enzymology/ KINETICS/ MALE/ PROSTATE, dru *PROSTATE, enzymology/ RATS/ TE drug effects/ *TESTIS, enzymology

2966. **Pegum JS, Grice K**: Unusual skin eru eosinophilia associated with hyperthy

Br J Dermatol 88:295-301, Mar 73
ADULT/ *ARRHYTHMIA, complications/ DERMATITIS EXFOLIATIVA/ EDEMA, etiology/ *EOSINOPHILIA, etiology/ ERYTHEMA, etiology/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HEMATOCRIT/ HEPATOMEGALY/ HUMAN/ IODINE ISOTOPES/ POSTOPERATIVE COMPLICATIONS/ PRURITUS, etiology/ *SKIN MANIFESTATIONS/ SKIN TESTS/ THYROIDECTOMY/ URTICARIA, etiology

kkarinen A, Rinne UK, Salokangas R, et al: Plasma estosterone content of male patients with arkinson's disease during L-dopa treatment with or ithout dopadecarboxylase inhibitor.
cta Neurol Scand [Suppl] 51:129-30, 1972
DOPA, pharmacodynamics/ *DOPA, therapeutic use/ *DOPA DECARBOXYLASE, antagonists & inhibitors/ DRUG COMBINATIONS/ FOLLOW-UP STUDIES/ HUMAN/ HYDRAZINES, pharmacodynamics/ *HYDRAZINES, therapeutic use/ LIBIDO, drug effects/ MALE/ PARKINSONISM, blood/ *PARKINSONISM, drug therapy/ STIMULATION, CHEMICAL/ TESTOSTERONE, blood/ TIME FACTORS

lletier G: Etude ultrastructurale de la sécrétion lénohyphophysaire.
nion Med Can 102:546-50, Mar 73 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ GOLGI APPARATUS, drug effects/ HISTOCYTOCHEMISTRY/ IN VITRO/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, enzymology/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONES, ANTERIOR, secretion/ PROLACTIN, secretion/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SOMATOTROPIN, secretion

lletier J, Thimonier J: Comparison of the induced eovulatory LH discharge in lactating and dry sheep uring seasonal anoestrus.
Reprod Fertil 33:310-3, May 73
ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ *LACTATION/ LH, blood/ *LH, secretion/ OVULATION/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ SEASONS/ *SHEEP, physiology

occhino AM, Montalenti D: Considerazioni sulla iopatogenesi della sindrome da ovaio policistico.
nerva Med 84:1530-42, 30 Apr 73 (Ita)
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, complications/ ADULT/ AMENORRHEA, etiology/ ANDROGENS, biosynthesis/ ENGLISH ABSTRACT/ ESTROGENS, biosynthesis/ FEMALE/ HIRSUTISM, etiology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MOSAICISM/ OBESITY, etiology/ PITUITARY DISEASES, complications/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ SEX CHROMOSOME ABNORMALITIES/ *STEIN-LEVENTHAL SYNDROME, etiology/ STEIN-LEVENTHAL SYNDROME, familial & genetic/ STEIN-LEVENTHAL SYNDROME, urine/ STERILITY, FEMALE, etiology/ VIRILISM, etiology

ibrey ME, Weatherall DJ, Clegg JB: Maternal nthesis of haemoglobin F in pregnancy.
ncet 1:1350-4, 16 Jun 73
FEMALE/ FETAL HEMOGLOBIN, analysis/ FETAL HEMOGLOBIN, biosynthesis/ GLYCINE, analysis/ GONADOTROPINS, CHORIONIC, urine/ HEMOGLOBIN, analysis/ HUMAN/ IN VITRO/ PEPTIDES, isolation & purification/ *PREGNANCY/ RETICULOCYTES, metabolism/ TIME FACTORS

2972. **Peña C, Hecht JP, Santomé JA, et al:** Unspecificity of the tibia-test for growth hormone assay. Methyl thiocyanate: an interfering substance.
FEBS Lett 27:338-40, 1 Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *CARTILAGE/ CATTLE/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HYPOPHYSECTOMY/ MALE/ METHODS/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ *THIOCYANATES/ *TIBIA

2973. **Peneva L, Tsonev Iv:** Izmeneniia v khriashchevoi plastinke rosta pri eksperimental'nom gipotireoze.
Probl Endokrinol (Mosk) 19:105-13, Mar-Apr 73 (Rus)
ALKALINE PHOSPHATASE, analysis/ *CARTILAGE DISEASES, chemically induced/ CARTILAGE DISEASES, physiopathology/ CONNECTIVE TISSUE, analysis/ DIET/ DNA, analysis/ ENGLISH ABSTRACT/ EPIPHYSES, physiopathology/ *GROWTH DISORDERS, chemically induced/ GROWTH DISORDERS, physiopathology/ HYPOTHYROIDISM, chem synthesis/ HYPOTHYROIDISM, physiopathology/ METHIMAZOLE, pharmacodynamics/ METHYLTHIOURACIL, pharmacodynamics/ MUCOPOLYSACCHARIDES, analysis/ ORGAN WEIGHT/ RNA, analysis/ THYROID GLAND, physiopathology/ TIME FACTORS

2974. **Peng MT, Peng YM:** Changes in the uptake of tritiated estradiol in the hypothalamus and adenohypophysis of old female rats. Fertil Steril 24:534-9, Jul 73
AGING/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CEREBRAL CORTEX, metabolism/ *ESTRADIOL, metabolism/ ESTRUS/ FEMALE/ HUMAN/ *HYPOTHALAMUS, metabolism/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, physiology/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, metabolism/ PSEUDOPREGNANCY/ RATS/ TRITIUM/ UTERUS, anatomy & histology/ UTERUS, metabolism/ VAGINA, physiopathology/ VAGINAL SMEARS

2975. **Pennequin P, Gourmelen M, Raux MC, et al:** Variations circadiennes de la réponse hypophyso-surrenalienne à la métopirone.
J Physiol (Paris) 65:Suppl 3:468A, 1972 (Fre)
*CIRCADIAN RHYTHM/ CORTICOTROPIN, blood/ HUMAN/ HYDROCORTISONE, blood/ *METYRAPONE, pharmacodynamics/ *PITUITARY-ADRENAL SYSTEM, drug effects/ TIME FACTORS

2976. **Penneys NS, Eaglstein WH, Indgin S, et al:** Gold sodium thiomalate treatment of pemphigus.
Arch Dermatol 108:56-60, Jul 73
ADULT/ AGED/ AGRANULOCYTOSIS, chemically induced/ ANTIBODIES, analysis/ DERMATITIS, chemically induced/ EPITHELIUM, immunology/ ERYTHEMA NODOSUM, chemically induced/ FEMALE/ *GOLD, therapeutic use/ GOLD THIOMALATE, administration & dosage/ GOLD THIOMALATE, adverse effects/ GOLD THIOMALATE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ NEPHROTIC SYNDROME, chemically induced/ PEMPHIGUS, blood/ *PEMPHIGUS, drug therapy/ PEMPHIGUS, immunology/ PREDNISONE, therapeutic use/ PRURITUS, chemically induced

2977. **Pennington GW, Naik S:** An extended study on the use of clomiphene citrate for the induction of ovulation.
Ir J Med Sci 142:141-6, May 73
ADOLESCENCE/ ADULT/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, drug therapy/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

U.S. URBAN CHAMPAIGN

2978. **Pera F, Rainer B:** Studies of multipolar mitoses in euploid tissue cultures. I. Somatic reduction to exactly haploid and triploid chromosome sets.
Chromosoma 42:71-86, 14 May 73
EPITHELIAL CELLS/ FIBROBLASTS/ GENETICS/ GERBILS/ HAPLOIDY/ KIDNEY/ *MITOSIS/ POLYPLOIDY/ SEX CHROMOSOMES/ STAINS AND STAINING/ THYMIDINE/ TISSUE CULTURE/ TRITIUM

2979. **Perek M, Ravona H, Snapir N, et al:** Sexual behaviour of White Leghorn cocks bearing basal hypothalamic lesions in various locations.
Physiol Behav 10:479-84, Mar 73
AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ CHICKENS/ COMB AND WATTLES, anatomy & histology/ HEMATOCRIT/ *HYPOTHALAMUS, physiology/ MALE/ MAMMILLARY BODIES, physiology/ NEURAL INTERCONNECTIONS, physiology/ ORGAN WEIGHT/ PROPIONATES/ SEMEN, secretion/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ STEREOTAXIC TECHNICS/ TESTIS, anatomy & histology/ TESTOSTERONE, pharmacodynamics

2980. **Péret J, Macaire I, Chanez M:** Variations du rythme circadien du glycogène, de la glycémie, de l'insuline et de la corticostérone plasmatiques en fonction de l'heure de la consommation des protéines.
J Physiol (Paris) 65:Suppl 3:470A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ DIETARY PROTEINS/ *INSULIN, blood/ *LIVER GLYCOGEN, metabolism/ RATS/ TIME FACTORS

2981. **Peret J, Macaire I, Chanez M:** Schedule of protein ingestion, nitrogen and energy utilization and circadian rhythm of hepatic glycogen, plasma corticosterone and insulin in rats.
J Nutr 103:866-74, Jun 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY COMPOSITION/ BODY WEIGHT/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ DIET/ *DIETARY PROTEINS/ DIETARY PROTEINS, administration & dosage/ EATING/ FASTING/ *INSULIN, blood/ LIPIDS, biosynthesis/ LIPIDS, metabolism/ LIVER, metabolism/ LIVER GLYCOGEN, biosynthesis/ *LIVER GLYCOGEN, metabolism/ METABOLISM/ *NITROGEN, metabolism/ PROTEIN DEFICIENCY, metabolism/ PROTEINS, metabolism/ RATS/ TIME FACTORS

2982. **Perez-Palacios G, Perez AE, Cruz ML, et al:** COmparative uptake of (3 H) androgens by the brain and the pituitary of castrated male rats.
Biol Reprod 8:395-9, May 73
AMYGDALOID BODY, metabolism/ ANDROGENS, administration & dosage/ ANDROGENS, blood/ *ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CASTRATION/ CEREBRAL CORTEX, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAVENOUS/ MALE/ MESENCEPHALON, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

2983. **Perheentupa J, Dessypris A, Adlercreutz H:** Gonadotrophin test of the functional capacity of Leydig cells in normal and hypogonadal boys.
Clin Endocrinol (Oxf) 1:141-7, Apr 72
ABNORMALITIES, MULTIPLE, physiopathology/ ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, physiopathology/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *HYPOGONADISM, physiopathology/ INFANT/ INJECTIONS, INTRAMUSCULAR/ LEYDIG CELLS
effects/ *LEYDIG CELLS, physiolog
MENTAL RETARDATION, physiopat
PROTEIN BINDING/
PSEUDOHERMAPHRODITISM, physi
PUBERTY/ STIMULATION, CHEMIC
SYNDROME/ TESTIS, drug effects/
growth & development/ TESTOSTE
blood/ TIME FACTORS

2984. **Perlmann GE, Kerwar GA:** Conformation
pepsin induced by its substrate
N-acetyl-L-phenylalanyl-L-3,5-diiodotyro
Arch Biochem Biophys 157:145-7, Jul
BINDING SITES/ CIRCULAR DICH
DIIODOTYROSINE/ *DIPEPTIDES/
HYDROGEN-ION CONCENTRATION/
PHENYLALANINE/ PROTEIN BIND
PROTEIN CONFORMATION/ SWIN

2985. **Perreault WJ, Kaufmann BP, Gay H:** Re
sequences in the heterochromatic Y chr
adult Drosophila melanogaster.
Proc Natl Acad Sci USA 70:773-7,
ANIMAL EXPERIMENTS/ *DNA, a
DNA, isolation & purification/ *DR
MELANOGASTER/ FEMALE/ HEAT
*HETEROCHROMATIN, analysis/
KARYOTYPING/ MALE/ NUCLEIC
DENATURATION/ NUCLEIC ACID
HYBRIDIZATION/ *SEX CHROMOS
analysis/ TRITIUM

2986. **Perry TL, Hemmings S, Drummond GI, e**
cyclic AMP in periodic catatonia.
Am J Psychiatry 130:927-9, Aug 73
ADENOSINE CYCLIC 3',5' MONOPH
analysis/ *ADENOSINE CYCLIC 3',5
MONOPHOSPHATE, urine/ *CATAT
urine/ CREATININE, urine/ HUMA
MIDDLE AGE/ PERIODICITY

2987. **Persky L, Rabin R:** Experiences with
fistulas. Am J Surg 125:763-6, Jun
ADULT/ FALLOPIAN TUBES, surg
FEMALE/ HUMAN/ HYSTERECTO
METHODS/ MIDDLE AGE/ OVARY
URINATION/ UROGRAPHY/
*VESICOVAGINAL FISTULA, surge

2988. **Persson B:** Lipoprotein lipase activity
adipose tissue in health and in some d
hyperlipidemia as a common featur
Acta Med Scand 193:457-62, May 73
ACETOACETATES, blood/ *ADIPOS
enzymology/ ALCOHOLISM, enzymo
ANGINA PECTORIS, enzymology/
*ARTERIOSCLEROSIS, enzymology/
SUGAR, metabolism/ CHOLESTERO
*DIABETES MELLITUS, enzymolog
ACIDS, NONESTERIFIED, blood/ F
GLUCOSE TOLERANCE TEST/ HU
HYPERLIPEMIA, blood/ *HYPERLI
enzymology/ ISLET CELL TUMOR,
enzymology/ LIPIDS, blood/ LIPID
metabolism/ *LIPOPROTEIN LIPAS
metabolism/ MALE/ MYXEDEMA,
NEPHROSIS, enzymology/ OBESITY
enzymology/ SEX FACTORS/
TRIGLYCERIDES, blood/ *UREMIA
enzymology

2989. **Pertuiset B, Metzger J, Houtteville JP, et a**
et résultats de la ventriculographie cér
de méthylglucamine du Dimer iotal
Rev Neurol (Paris) 126:299-304, Apr
*AMINO SUGARS/ *BRAIN NEOPL
diagnosis/ *CEREBELLAR NEOPLA
diagnosis/ CEREBRAL AQUEDUCT
radiography/ CEREBRAL HEMORR
radiography/ CEREBRAL VENTRIC
NEOPLASMS, radiography/ HUMAN
*IOTHALAMIC ACID/ METHODS/
BODY/ SEPTUM PELLUCIDUM, ra
SOLUBILITY/ SUBSTANTIA NIGR
*VENTRICULOGRAPHY

2990. **Perzigian AJ:** Osteoporotic bone loss in tw
Indian populations.
Am J Phys Anthropol 39:87-95, Jul

ADULT/ AGE DETERMINATION BY SKELETON/ *AGING/ ANATOMY, COMPARATIVE/ FEMALE/ HUMAN/ INDIANS, NORTH AMERICAN/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS/ *RADIUS, analysis/ REGRESSION ANALYSIS/ SEX FACTORS/ TIME FACTORS/ UNITED STATES

stel M, Lambert C, Jeanmougin M: Ictère holestatique des contraceptifs oraux. nn Med Interne (Paris) 124:207-9, Mar 73 (Fre)
ADULT/ BILIRUBIN, blood/ BIOPSY/ *CHOLESTASIS, chemically induced/ CHOLESTASIS, complications/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ JAUNDICE, blood/ *JAUNDICE, chemically induced/ JAUNDICE, diagnosis/ LAPAROSCOPY/ TRIGLYCERIDES, blood

chelai B, Chuthanondh R, Rungruong S, et al: utoantibodies in leprosy among Thai patients. ancet 1:1481-2, 30 Jun 73
ADULT/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEMAGGLUTINATION TESTS/ HUMAN/ IMMUNE SERUMS, analysis/ *LEPROSY, immunology/ MALE/ MIDDLE AGE/ RHEUMATOID FACTOR, analysis/ THAILAND/ THYROGLOBULIN

er RE: Feedback effects of thyroxine in goldfish arassius auratus with an autotransplanted pituitary. euroendocrinology 10:273-81, 1972
ANIMAL EXPERIMENTS/ CYPRINIDAE, physiology/ *FEEDBACK/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY GLAND, transplantation/ SUPERIOR COLLICULUS, drug effects/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, secretion/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics/ TRANSPLANTATION, AUTOLOGOUS

erson AW Jr, Jacker LM: Neonatal tetany during esthesia: a case report. nesth Analg (Cleve) 52:555-7, Jul-Aug 73
*ANESTHESIA, INHALATION, adverse effects/ FISTULA, surgery/ HUMAN/ *HYPOCALCEMIA, complications/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, etiology/ INTESTINAL FISTULA, surgery/ MALE/ MECKEL'S DIVERTICULUM, surgery/ *TETANY, etiology/ UMBILICUS

erson EW, Mandy FF, Searle R, et al: Reversal of rebral vasospasm. Lancet 1:1513, 30 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ANIMAL EXPERIMENTS/ BASILAR ARTERY/ BASILAR ARTERY, drug effects/ BUTYRATES, therapeutic use/ CATS/ *CEREBRAL ISCHEMIA, TRANSIENT, drug therapy/ DISEASE MODELS, ANIMAL/ MACACA/ MONKEYS/ *VASODILATOR AGENTS, therapeutic use

erson PA, Rask L, Ostberg L, et al: Studies on the nsport and cellular distribution of vitamin A in rmal and vitamin A-deficient rats with special ference to the vitamin A-binding plasma protein. Biol Chem 248:4009-22, 10 Jun 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLOOD PROTEINS, analysis/ BLOOD PROTEINS, isolation & purification/ *BLOOD PROTEINS, metabolism/ CIRCULAR DICHROISM/ ELECTROPHORESIS/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MOLECULAR WEIGHT/ PROTEIN BINDING/ *PROTEIN PRECURSORS, metabolism/ RATS/ SERUM ALBUMIN, isolation & purification/ *SERUM ALBUMIN, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ THYROXINE/ ULTRACENTRIFUGATION/ *VITAMIN A, metabolism/ VITAMIN A DEFICIENCY, blood/ VITAMIN A DEFICIENCY, metabolism

2997. Petrianik VD: Vplyv adrenokhromu na okysniuval'ne dezaminuvannia noradrenalinu.
Ukr Biokhim Zh 44:603-6, 1972 (Ukr)
*ADRENOCHROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *CHEMISTRY, ORGANIC/ DEAMINATION/ ENGLISH ABSTRACT/ IN VITRO/ KIDNEY, cytology/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ MONOAMINE OXIDASE, metabolism/ *NOREPINEPHRINE, metabolism/ OXIDATION-REDUCTION/ RABBITS

2998. Petrishchev NN: Reaktivnost' svertyvaiushcheĭ sistemy krovi pri éksperimental'noĭ nadpochechnikovoĭ nedostatochnosti.
Vestn Khir 110:37-41, Apr 73 (Rus)
*ADRENAL GLAND HYPOFUNCTION, blood/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD COAGULATION/ BLOOD COAGULATION, drug effects/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ HEPARIN, blood/ MALE/ METHODS/ PROTAMINES, pharmacodynamics/ RATS/ SULFATES/ THROMBELASTOGRAPHY/ THROMBIN, pharmacodynamics/ TIME FACTORS

2999. Petrova-Vergieva T, Ivanova-Tchemishanska L: Assessment of the teratogenic activity of dithiocarbamate fungicides.
Food Cosmet Toxicol 11:239-44, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, DRUG-INDUCED, pathology/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ CORPUS LUTEUM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENVIRONMENTAL EXPOSURE/ FEMALE/ FETAL DISEASES, chemically induced/ FETUS/ *FUNGICIDES, INDUSTRIAL, toxicity/ HYDROCEPHALUS, chemically induced/ MANEB, administration & dosage/ MANEB, toxicity/ MATERNAL-FETAL EXCHANGE/ MICROCEPHALY, chemically induced/ NIDATION, drug effects/ PREGNANCY/ RATS/ REPRODUCTION, drug effects/ *THIOCARBAMATES, toxicity/ TIME FACTORS/ ZINEB, administration & dosage/ ZINEB, toxicity

3000. Petsas AA, Kotler MN: Electrocardiographic changes associated with penicillin anaphylaxis.
Chest 64:66-9, Jul 73
ADULT/ ANAPHYLAXIS, drug therapy/ ANAPHYLAXIS, etiology/ *ANAPHYLAXIS, physiopathology/ *DRUG HYPERSENSITIVITY, physiopathology/ *ELECTROCARDIOGRAPHY/ EPINEPHRINE, therapeutic use/ FEMALE/ GONORRHEA, drug therapy/ HEART BLOCK, chemically induced/ HEART BLOCK, physiopathology/ HUMAN/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ MALE/ PENICILLIN G, PROCAINE, administration & dosage/ *PENICILLIN G, PROCAINE, adverse effects/ PENICILLIN G, PROCAINE, therapeutic use/ TACHYCARDIA, chemically induced/ TACHYCARDIA, physiopathology

3001. Pettinati S, Temporelli A, Genovese MG, et al: L'indagine radiologica nell'esoftalmo.
Minerva Med 64:501-16, 3 Mar 73 (Ita)
BRAIN NEOPLASMS, complications/ CAVERNOUS SINUS, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBROVASCULAR DISORDERS, complications/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ *EXOPHTHALMOS, radiography/ FISTULA, radiography/ HUMAN/ INTRAOCULAR PRESSURE/ MENINGIOMA, radiography/ OPHTHALMIC ARTERY, radiography/ ORBIT,

radiography/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, radiography/ PARANASAL SINUS NEOPLASMS, complications/ PHLEBOGRAPHY/ TOMOGRAPHY, RADIOGRAPHIC

3002. **Peyresblanques J, Chaban J:** Syndrome de Turner et diabète.
Bull Soc Ophtalmol Fr 72:647-53, Jul-Aug 72 **(Fre)**
ADOLESCENCE/ ADULT/ CHILD/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, diagnosis/ *DIABETIC RETINOPATHY, complications/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ KARYOTYPING/ MIDDLE AGE/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, diagnosis

3003. **Peyron JG:** Revue des apports récents en physiopathologie du cartilage articulaire. IV. Le cartilage et l'arthrose. Les traits du cartilage arthrosique.
Rev Rhum Mal Osteoartic 39:313-25, Apr 72 (350 ref.) **(Fre)**
ANIMAL EXPERIMENTS/ *CARTILAGE, ARTICULAR, metabolism/ CHONDROITIN, metabolism/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE/ JOINT DISEASES, chemically induced/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, metabolism/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, metabolism/ PAPAIN/ RABBITS/ REVIEW/ SULFATES, metabolism/ SYNOVIAL MEMBRANE, pathology/ SYNOVITIS, metabolism/ VITAMIN A

3004. **Peyron JG:** Le cartilage articulaire. 1. Physiologie chez l'adulte.
Nouv Presse Med 2:1667-70, 16 Jun 73 **(Fre)**
CARTILAGE, ARTICULAR, anatomy & histology/ CARTILAGE, ARTICULAR, metabolism/ *CARTILAGE, ARTICULAR, physiology/ COLLAGEN, metabolism/ CORTICOTROPIN, physiology/ ENGLISH ABSTRACT/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, physiology/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, metabolism/ SOMATOTROPIN, physiology/ TESTOSTERONE, physiology

3005. **Pfaffenbach DD, Hollenhorst RW:** Microangiopathy of the retinal arterioles. JAMA 225:480-3, 30 Jul 73
ADULT/ AGE FACTORS/ DIPLOPIA, diagnosis/ ELECTROENCEPHALOGRAPHY/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/ HUMAN/ INFARCTION/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ NEUROLOGIC MANIFESTATIONS/ OPHTHALMOSCOPY/ PREDNISONE, therapeutic use/ RETINAL DISEASES, etiology/ RETINAL HEMORRHAGE, diagnosis/ *RETINAL VESSELS/ SCOTOMA, diagnosis/ VISUAL ACUITY/ VISUAL FIELDS

3006. **Pfaltzgraff RE:** Management of neuritis in leprosy.
Trop Doct 3:138-9, Jul 73
ANILINE COMPOUNDS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ HUMAN/ IMINES, therapeutic use/ *LEPROSY, complications/ LEPROSY, drug therapy/ NEURITIS, complications/ NEURITIS, drug therapy/ *PHENAZINES, therapeutic use/ PREDNISONE, therapeutic use

3007. **Pfeifer I, Schmidt P, Kusak V:** Beitrag zur Erklärung einiger Befunde au Kindern aus lufthygienisch belasteten Gebieten.
Z Gesamte Hyg 18:911-4, Dec 72 **(Ger)**
*AIR POLLUTION/ ANIMAL EXPERIMENTS/ CHILD/ COMPARATIVE STUDY/ CZECHOSLOVAKIA/ *ENVIRONMENTAL HEALTH/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, physiology/ FEMALE/ GERMANY, EAST/ GERMANY, WES
HUMAN/ HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ R
POPULATION/ STRESS/ TONSIL, microbiology/ URBAN POPULATION

3008. **Pfeifer WD, Denenberg VH, Zarrow MX:** tyrosine hydroxylase activity in the adren
adult rats that were handled in infa
Physiol Behav 10:411-3, Feb 73
*ADRENAL GLANDS, enzymology/ A
FACTORS/ ANIMAL EXPERIMENTS
*ANIMALS, NEWBORN, growth & development/ *HANDLING (PSYCHO
RATS/ *TYROSINE HYDROXYLASE, metabolism

3009. **Pfeiffer RA, Sanger R:** Origin of 48,X evidence of the Xg blood groups.
J Med Genet 10:142-3, Jun 73
ADULT/ AGE FACTORS/ *ANEUPL
BLOOD GROUPS/ CELL DIVISION/
CHROMOSOMES/ FEMALE/ HUMAN
MATERNAL AGE/ MEIOSIS/ MIDDL
PREGNANCY/ *SEX CHROMOSOME
ABNORMALITIES, etiology

3010. **Pfeiffer RA, Wilking HH, Manz F, et**
Chromosomenaberration 48, XXX.
Munch Med Wochenschr 115:594-8, 6 Ap
ADULT/ CHROMOSOME ABERRATI
DIAGNOSIS, DIFFERENTIAL/ ENGL
ABSTRACT/ EPILEPSY, diagnosis/
abnormalities/ GYNECOMASTIA, dia
HUMAN/ HYPOGONADISM, diagnosi
INTELLIGENCE TESTS/ KARYOTYP
MALE/ MENTAL RETARDATION, d
MIDDLE AGE/ PHENOTYPE/ *SEX
CHROMOSOME ABNORMALITIES, d
SYNDROME

3011. **Phalen RF, Morrow PE:** Experimental in
metallic silver. Health Phys 24:509-1
*AEROSOLS/ ANIMAL EXPERIMEN
AND BONES, metabolism/ BRAIN,
metabolism/ DOGS/ FECES, metabol
FEMALE/ GALLBLADDER, metaboli
INTESTINES, metabolism/ KIDNEY,
metabolism/ LIVER, metabolism/ LU
metabolism/ LYMPH NODES, metab
MUSCLES, metabolism/ MYOCARDI
metabolism/ RADIOISOTOPES/ SILV
*SILVER, metabolism/ SKIN, metabo
SPLEEN, metabolism/ STOMACH, m

3012. **Pharoah PO:** The clinical pattern of endem in Papua, New Guinea.
Adv Exp Med Biol 30:71-86, 1972
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CRETINISM, diagnosis
CRETINISM, drug therapy/ *CRETI
occurrence/ CRETINISM, physiopath
DEAF-MUTISM, etiology/ ELECTROCARDIOGRAPHY/ FEMAL
GROWTH DISORDERS, etiology/ HE
CONDUCTION SYSTEM, physiopatho
HUMAN/ HYPOTHYROIDISM, etiolo
IODINE, therapeutic use/ MALE/ M
RETARDATION, etiology/ NEUROM
DISEASES, etiology/ NEW GUINEA
POSTURE/ SPEECH DISORDERS, e
STRABISMUS, etiology

3013. **Pharoah PO, Buttfield IH, Hetzel BS:** T iodine prophylaxis on the incidence cretinism. Adv Exp Med Biol 30:201
CHILD, PRESCHOOL/ CLINICAL R
*CRETINISM, prevention & control/
EVALUATION STUDIES/ FEMALE/
FOLLOW-UP STUDIES/ GOITER, E
complications/ HEARING DISORDER
etiology/ HUMAN/ HYPOTHYROIDI
complications/ INFANT/ INFANT,
IODIZED OILS, administration & do
*IODIZED OILS, therapeutic use/ M
MATERNAL-FETAL EXCHANGE/
NEUROMUSCULAR DISEASES, etio
GUINEA/ PREGNANCY/ PREGNAN
COMPLICATIONS, drug therapy/ SI
FACTORS/ SPEECH DISORDERS, e

ifer RF, Spicer SS: Immunohistochemical and stologic demonstration of thyrotropic cells of the uman adenohypophysis.
Clin Endocrinol Metab 36:1210-21, Jun 73
ADRENAL GLAND HYPOFUNCTION, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPOTHYROIDISM, pathology/ IMMUNE SERUMS/ MALE/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, immunology/ PITUITARY GLAND, pathology/ STAINS AND STAINING/ *THYROTROPIN

lladelphy G: Fraktur und örtliche urchblutungsstörung.
Allgemeinmed 48:1263-6, 10 Oct 72 (Ger)
BLOOD VESSELS, injuries/ BONE AND BONES, blood supply/ EXTREMITIES, blood supply/ *FRACTURES, complications/ HUMAN/ *VASCULAR DISEASES, etiology

llip G, Smith JF: Hypothermia and Wernicke's ncephalopathy. Lancet 2:122-4, 21 Jul 73
AGED/ BODY TEMPERATURE REGULATION/ FEMALE/ HUMAN/ HYPOTHALAMUS, pathology/ HYPOTHALAMUS, physiopathology/ *HYPOTHERMIA, etiology/ MALE/ MIDDLE AGE/ THIAMINE DEFICIENCY, complications/ *WERNICKE'S ENCEPHALOPATHY, complications/ WERNICKE'S ENCEPHALOPATHY, etiology/ WERNICKE'S ENCEPHALOPATHY, pathology/ WERNICKE'S ENCEPHALOPATHY, physiopathology

llippu A, Prsuntek H, Roensberg W: Superfusion of e hypothalamus with gamma-aminobutyric acid. ffect on release of noradrenaline and blood ressure.
aunyn Schmiedebergs Arch Pharmacol 276:103-18, 23 eb 73
*AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BRAIN CHEMISTRY, drug effects/ CATS/ *CEREBRAL VENTRICLES, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ FEMALE/ GLYCOLS, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ MALE/ MANDELIC ACID, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ RESPIRATION/ SUCROSE, pharmacodynamics/ TRITIUM

llips AG, Shapiro M: Stability of intracranial lf-stimulation following hypophysectomy.
ysiol Behav 10:351-3, Feb 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, physiology/ *PITUITARY GLAND, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *SELF STIMULATION

llips RE, Youngren OM, Peek FW: Repetitive calizations evoked by local electrical stimulation of ian brains. I. Awake chickens (Gallus Gallus).
nim Behav 20:689-705, Nov 72
ANESTHESIA/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ *CHICKENS, physiology/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ INFERIOR COLLICULUS, physiology/ NEURAL INTERCONNECTIONS, physiology/ STEREOTAXIC TECHNICS/ *VOCALIZATION, ANIMAL/ *WAKEFULNESS

llis JW, Lake N, Yarbrough G: Calcium mediation of e inhibitory effects of biogenic amines on cerebral rtical neurones.
Brain Res 53:465-9, 27 Apr 73
ANIMAL EXPERIMENTS/ CALCIUM, antagonists & inhibitors/ *CALCIUM, physiology/ *CEREBRAL CORTEX, drug effects/ DEPRESSION, CHEMICAL/ *IPROVERATRIL, pharmacodynamics/ *LANTHANUM, pharmacodynamics/ *MANGANESE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics

3021. **Philpott GW, Bower RJ, Parker CW:** Selective iodination and cytotoxicity of tumor cells with an antibody-enzyme conjugate. Surgery 74:51-8, Jul 73
*ANTIBODIES, NEOPLASM/ AUTORADIOGRAPHY/ CELLS, CULTURED/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ *GLUCOSE OXIDASE, metabolism/ HAPTENS/ HELA CELLS/ HUMAN/ IMMUNOTHERAPY/ *IODINE, metabolism/ IODINE ISOTOPES/ *NEOPLASMS, immunology/ NEOPLASMS, therapy

3022. **Pickering AD, Morris R:** Localization of ion-transport in the intestine of the migrating river lamprey, Lampetra fluviatilis L. J Exp Biol 58:165-76, Feb 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ *CYCLOSTOMES, physiology/ DINITROPHENOLS, pharmacodynamics/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, metabolism/ INTESTINES, drug effects/ *INTESTINES, metabolism/ MAGNESIUM, metabolism/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ OUABAIN, pharmacodynamics/ POTASSIUM, metabolism/ SEAWATER/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

3023. **Pico I, Zárate A, Canales ES, et al:** Sindrome de amenorrea y galactorrea postparto asociado a hipotiroidismo primario. Estudio funcional de la secretión de prolactin.
Ginecol Obstet (Lima) 33:251-5, Mar 73 (Spa)
ADULT/ AMENORRHEA, complications/ *AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ CHLORPROMAZINE, diagnostic use/ DOPA, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, physiopathology/ LACTATION DISORDERS, complications/ *LACTATION DISORDERS, etiology/ LACTATION DISORDERS, physiopathology/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, secretion

3024. **Piemonte G, Luisetto G, Conte N:** A simplified method to determine ultrafiltrable plasma magnesium. Normal values and preliminary results in hyper- and hypothyroidism. Clin Chim Acta 45:261-7, 18 May 73
ADOLESCENCE/ ADULT/ AGED/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ *MAGNESIUM, blood/ METHODS/ MIDDLE AGE/ PROTEIN BINDING/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ ULTRAFILTRATION

3025. **Pieters G, Van den Spiegel A, De Meester P:** Hypercalcémies.
Tunis Med 50:139-42, Mar-Apr 72 (Fre)
ADENOMA, complications/ ADENOMA, diagnosis/ ADULT/ DIAGNOSTIC ERRORS/ HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, etiology/ KIDNEY CALCULI, radiography/ KIDNEY CALCULI, surgery/ MALE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ STOMACH ULCER, diagnosis

3026. **Pietrek J, Kokot F:** Treatment of patients with calcium-containing renal stones with cellulose phosphate. Br J Urol 45:136-43, Apr 73
ADOLESCENCE/ ADULT/ *CALCIUM/ CALCIUM, blood/ CALCIUM, urine/ *CELLULOSE, therapeutic use/ CREATININE, urine/ DIET/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *KIDNEY CALCULI, drug therapy/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ OXALATES, urine/ *PHOSPHATES, therapeutic use/ PHOSPHORUS, blood/ PHOSPHORUS, urine/ ZINC, blood

U. OF I., URBANA-CHAMPAIGN

3027. **Piette C, Piette M:** Iode hormonal sérique, éosinophiles et basophiles sanguins.
Pathol Biol (Paris) 21:405-10, Apr 73 (Fre)
*BASOPHILS/ ENGLISH ABSTRACT/ *EOSINOPHILS/ FEMALE/ HUMAN/ *IODINE, blood/ *IODOPROTEINS, blood/ LEUKOCYTE COUNT/ MALE/ MENOPAUSE/ SEX FACTORS/ *THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, blood

3028. **Piezzi RS:** Dispersed cell culture of bovine pars intermedia. Experientia 29:697-8, 15 Jun 73
CATTLE/ CELL NUCLEUS/ CELLS, CULTURED/ CYTOPLASM/ MSH, biosynthesis/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ TIME FACTORS

3029. **Pimstone B, Becker D, Kernoff L:** Growth and growth hormone in protein calorie malnutrition.
S Afr Med J 46:2102-5, 30 Dec 72 (88 ref.)
ADULT/ ALBUMINS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD SUGAR, metabolism/ CHILD/ FATTY ACIDS, NONESTERIFIED, metabolism/ *GROWTH DISORDERS, complications/ HUMAN/ IMMUNOASSAY/ INFANT/ KWASHIORKOR, blood/ *NUTRITION DISORDERS, complications/ PITUITARY GLAND, pathology/ PROTEIN-CALORIE MALNUTRITION, blood/ PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, metabolism/ PROTEIN-CALORIE MALNUTRITION, pathology/ PROTEIN DEFICIENCY, blood/ PROTEIN DEFICIENCY, pathology/ PROTEINS, metabolism/ REVIEW/ SOMATOMEDIN, biosynthesis/ *SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ SOMATOTROPIN, secretion/ STARVATION, blood

3030. **Pinelli A, Formento ML:** Urinary steroid profile in vitamin-E-deficient rats. Pharmacology 9:201-3, 1973
ANDROSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ 17-KETOSTEROIDS, urine/ MALE/ PREGNANEDIOL, urine/ RATS/ *STEROIDS, urine/ *VITAMIN E DEFICIENCY, urine

3031. **Pinzauti S, Dal Piaz V, La Porta E:** Potentiometric titration of antithyroid drugs with mercuric acetate solution. J Pharm Sci 62:997-9, Jun 73
*ACETATES/ BARBITURATES, analysis/ ELECTRODES/ GOLD/ INDICATORS AND REAGENTS/ *MERCURY/ METHIMAZOLE, analysis/ METHODS/ METHYLTHIOURACIL, analysis/ POTENTIOMETRY/ PROPYLTHIOURACIL, analysis/ SILVER/ THIOURACIL, analysis/ *THYROID ANTAGONISTS, analysis

3032. **Piotti LE, Mazzi C, Cazullo P, et al:** Aspetti di patologia autoimmunitaria nelle malattie endocrine.
Minerva Med 64:1281-97, 18 Apr 73 (Ita)
ADRENAL GLAND DISEASES, immunology/ ANTIBODIES/ ANTIGENIC DETERMINANTS/ *AUTOIMMUNE DISEASES/ COMPLEMENT/ DIABETES MELLITUS, immunology/ *ENDOCRINE DISEASES/ FEMALE/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ LYMPHOCYTE TRANSFORMATION/ MALE/ MYXEDEMA, immunology/ ORCHITIS, immunology/ PANCREATITIS, immunology/ PARATHYROID DISEASES, immunology/ PITUITARY DISEASES, immunology/ THYROIDITIS, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

3033. **Pîrvulescu P, Unteanu G, Berteanu G:** Bronşita cronică (consideraţii pe marginea unei cazuistici de spital.
Ftiziologia 21:297-309, May-Jun 72 (Rum)
ADULT/ AGE FACTORS/ AGED/ AIR POLLUTION/ ANTIBIOTICS, therapeutic use/ BRONCHITIS, complications/ BRONCHITIS, etiology/ *BRONCHITIS, occurrence/ BRONCHITIS, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CHRONIC DISEASE/ COUGH, etiology/ DYSPNE etiology/ ENGLISH ABSTRACT/ FEV etiology/ HUMAN/ HYDROCORTISON therapeutic use/ MIDDLE AGE/ OCCUPATIONS/ RUMANIA/ SMOKIN complications/ TRYPSIN, therapeutic

3034. **Pisanti N, Volterra G, Meli A:** Pharmacologic new anti-inflammatory agent: 4-phenyl--methylphenylacetate- -propylsulfonate s (6-137). Farmaco [Sci] 28:351-69, May
ADRENAL GLANDS, drug effects/ *ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERI ANTI-INFLAMMATORY AGENTS, ad effects/ *ANTI-INFLAMMATORY AG pharmacodynamics/ BLOOD PRESSUR effects/ ELECTROCARDIOGRAPHY/ HEART, drug effects/ LEUKOCYTE MALE/ PHENYLACETATES, adverse *PHENYLACETATES, pharmacodynam RABBITS/ RATS/ RESPIRATION, drug effects/ STOMACH, drug effect STOMACH ULCER, chemically induce SULFONIC ACIDS, adverse effects/ SULFONIC ACIDS, pharmacodynamics

3035. **Pitt B:** 'Maternity blues'.
Br J Psychiatry 122:431-3, Apr 73
ADULT/ ANXIETY, etiology/ BREAS FEEDING/ COGNITION DISORDERS, *DEPRESSION, occurrence/ ESTROG physiology/ FEMALE/ HUMAN/ PERSONALITY ASSESSMENT/ PREG PROGESTERONE, physiology/ *PUER DISORDERS, occurrence

3036. **Pittman JA, Beschi RJ, Block P Jr, et al:** Th activity of 3,5,3',5'-tetramethylthyronin Endocrinology 93:201-4, Jul 73
ADRENAL GLANDS, drug effects/ A EXPERIMENTS/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GROWTH, effects/ HEART, drug effects/ *HEA RATE, drug effects/ IODINE ISOTO KIDNEY, drug effects/ MALE/ ORG WEIGHT/ *OXYGEN CONSUMPTION effects/ *PITUITARY GLAND, drug RATS/ SPLEEN, drug effects/ THYROIDECTOMY/ *THYRONINE, pharmacodynamics/ THYROXINE, pharmacodynamics

3037. **Pittman JA Jr:** Hypothalamic hypothyr possible relationshp to endemic goite Adv Exp Med Biol 30:441-6, 1972
ADOLESCENCE/ ADULT/ BRAIN DI complications/ CHILD/ FEMALE/ *G ENDEMIC, complications/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL S *HYPOTHALAMUS, physiopathology/ HYPOTHALAMUS, secretion/ *HYPOTHYROIDISM, etiology/ MAL PITUITARY GLAND FUNCTION TE PITUITARY HORMONE RELEASING FACTORS, secretion/ SOMATOTROP secretion/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTO diagnostic use/ THYROTROPIN REL FACTOR, secretion/ VASOPRESSIN,

3038. **Pittman RP, Hazelwood RL:** Catecholamine chickens to exogenous insulin and t Comp Biochem Physiol [A] 45:141-7,
ADRENAL MEDULLA, secretion/ A EXPERIMENTS/ BLOOD SUGAR, an CATTLE/ CHICKENS/ *EPINEPHRIN FEMALE/ FLUORESCENCE SPECTR HYPOGLYCEMIA, chemically induce INSULIN/ *INSULIN, pharmacodynar *NOREPINEPHRINE, blood/ TIME F TOLBUTAMIDE/ *TOLBUTAMIDE, pharmacodynamics

3039. **Plattner G, Oxorn H:** Familial incidence dermoid cysts. Can Med Assoc J 108:892
ADULT/ DERMOID CYST, complicat DERMOID CYST, diagnosis/ *DERM familial & genetic/ DERMOID CYST

FEMALE/ HEMATOMA, complications/ HUMAN/ OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, surgery/ RECTAL NEOPLASMS, complications

t M, Lichtenstein LM, Gillespie E, et al: Studies on e mechanism of lymphocyte-mediated cytolysis. IV. ecificity of the histamine receptor on effector T ls. J Immunol 111:389-94, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, nalysis/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ ASCITIC FLUID, immunology/ *CELL MEMBRANE, immunology/ CHLORPHENIRAMINE, pharmacodynamics/ CYCLIZINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTAMINE LIBERATION/ IMIDAZOLES, pharmacodynamics/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ MAST CELLS, drug effects/ *MAST CELLS, immunology/ MICE/ MICE, INBRED C57BL/ RECEPTORS, DRUG/ THIOUREA, pharmacodynamics

k H Jr, Rudas B, Waechter R: Evidence of alveolar ne loss in rats fed an atherogenic diet. Periodont Res 8:106-15, 1973
ALVEOLAR PROCESS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE DEVELOPMENT/ *BONE RESORPTION/ DIET, ATHEROGENIC/ LIPIDS, blood/ OSTEOCLASTS/ OSTEOMALACIA/ RATS

s GB, Vol'fson NI: O predopukholevykh neneniiakh tsymbalovoi zhelezy krysy. pr Onkol 18:61-6, 1972 (Rus)
ANIMAL EXPERIMENTS/ BIPHENYL COMPOUNDS, pharmacodynamics/ ENDOCRINE GLANDS, drug effects/ *ENDOCRINE GLANDS, pathology/ ENGLISH ABSTRACT/ EPITHELIUM, drug effects/ FEMALE/ HYPERPLASIA, chemically induced/ INJECTIONS, SUBCUTANEOUS/ MALE/ *NEOPLASMS, EXPERIMENTAL, pathology/ PRECANCEROUS CONDITIONS, chemically induced/ *PRECANCEROUS CONDITIONS, pathology/ RATS/ TOLUIDINES, pharmacodynamics

leski WK, Podleski UG: Antibody-dependent ritoneal-cell-mediated cytotoxicity in man. ncet 1:1389, 16 Jun 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ *ASCITIC FLUID, cytology/ CHROMIUM ISOTOPES/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ LYMPHOCYTES, immunology/ *MACROPHAGES, immunology/ THYROGLOBULIN

os SM, Becker B, Kass MA: Prostaglandin nthesis, inhibition, and intraocular pressure. vest Ophthalmol 12:426-33, Jun 73
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, analysis/ ARACHIDONIC ACID, administration & dosage/ ARACHIDONIC ACID, antagonists & inhibitors/ ARACHIDONIC ACID, pharmacodynamics/ ASCORBIC ACID, analysis/ ASPIRIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INDOMETHACIN, pharmacodynamics/ *INTRAOCULAR PRESSURE, drug effects/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ PROTEINS, analysis/ RABBITS/ TIME FACTORS/ TONOMETRY

ntis G, Cedard L, Guichard A, et al: Influence des rmones ganadotropes sur la production des stostérone radioactive á partir d'acétate de Na 14C r le testicule embryonnaire de souris cultivé in tro.
R Acad Sci [D] (Paris) 275:1449-52, 25 Sep 72 (Fre)
*ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ DRUG SYNERGISM/ *FSH, pharmacodynamics/ IN VITRO/ KINETICS/ *LH, pharmacodynamics/ MALE/ MICE/ ORGAN CULTURE/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ TESTIS, embryology/ TESTIS, metabolism/ *TESTOSTERONE, biosynthesis

3046. **Poláčková M, Pěknicová J, Vojtíšková M: Effect of neonatal orchiectomy on the expression of histocompatibility antigens.**
Folia Biol (Praha) 19:13-8, 1973
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ ANTIGENS/ CASTRATION/ CELL SURVIVAL/ FEMALE/ GRAFT VS HOST REACTION/ *HISTOCOMPATIBILITY ANTIGENS/ LYMPH NODES, immunology/ MALE/ MICE/ MICE, INBRED C57BL/ SEX DIFFERENTIATION DISORDERS/ *SKIN, transplantation/ *TESTIS, surgery/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3047. **Poletti CE, Kinnard MA, MacLean PD: Hippocampal influence on unit activity of hypothalamus, preoptic region, and basal forebrain in awake, stting squirrel monkeys.** J Neurophysiol 36:308-24, Mar 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CONVULSIONS/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ MICROELECTRODES/ MONKEYS/ NEURAL INTERCONNECTIONS/ PHOTIC STIMULATION/ PHYSICAL STIMULATION/ STEREOTAXIC TECHNICS

3048. **Polgar P, Vera JC, Kelley PR, et al: Adenylate cyclase activity in normal and leukemic human leukocytes as determined by a radioimmunoassay for cyclic AMP.**
Biochim Biophys Acta 297:378-83, 28 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, blood/ ADENYL CYCLASE, metabolism/ HUMAN/ IMMUNE SERUMS/ *LEUKEMIA, LYMPHOCYTIC, blood/ LEUKOCYTES, enzymology/ LYMPHOCYTES, enzymology/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ TRITIUM/ VIBRATION

3049. **Polishchuk FA: Travmaticheskiĭ vyvikh laichka u rebenka.** Khirurgiia (Mosk) 48:120, Sep 72 (Rus)
ABDOMINAL INJURIES, diagnosis/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *OVARY, injuries

3050. **Polk HC Jr, Ahmad W, Knutson CO: Carcinoma of the colon and rectum.**
Curr Probl Surg 1-64, Jan 73 (144 ref.)
ADULT/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS, complications/ COLITIS, ULCERATIVE, complications/ *COLONIC NEOPLASMS/ COLONIC NEOPLASMS, complications/ COLONIC NEOPLASMS, diagnosis/ COLONIC NEOPLASMS, occurrence/ COLONIC NEOPLASMS, pathology/ COLONIC NEOPLASMS, radiography/ COLONIC NEOPLASMS, radiotherapy/ COLONIC NEOPLASMS, surgery/ FEMALE/ HUMAN/ INTESTINAL POLYPS, complications/ MALE/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY/ OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME, complications/ *RECTAL NEOPLASMS/ RECTAL NEOPLASMS, complications/ RECTAL NEOPLASMS, diagnosis/ RECTAL NEOPLASMS, occurrence/ RECTAL NEOPLASMS, radiotherapy/ RECTAL NEOPLASMS, surgery/ REVIEW/ SIGMOIDOSCOPY/ SKIN NEOPLASMS, complications

3051. **Pollard RM, Bredl JC, Finn CA: The effect of actinomycin D on the attachment reaction of implantation in mice.** J Reprod Fertil 33:343-5, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ *DACTINOMYCIN, pharmacodynamics/

ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ MICROSCOPY, ELECTRON/ *NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ UTERUS, anatomy & histology

3052. **Pomerantz G, Reiter RJ:** Age dependent changes in the susceptibility of parathyroidectomized, pinealectomized rats to seizures.
Exp Neurol 40:254-7, Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CONVULSIONS/ MALE/ *PARATHYROID GLANDS, physiology/ *PINEAL BODY, physiology/ RATS/ THYROID GLAND, physiology

3053. **Ponfuch A, Blašková O, Sutta I, et al:** Krvácanie v tehotnosti placentárnej etiológie a jeho vplyv na plod.
Cesk Gynekol 38:360-1, Jun 73 (Slo)
FEMALE/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, etiology/ *PLACENTA DISORDERS, complications/ PREGNANCY/ *UTERINE HEMORRHAGE, etiology

3054. **Ponomarenko AI, Sobko EG, Piven' NA:** Posleoperatsionnyi gipotireoz.
Klin Khir 5:34-6, May 73 (Rus)
ADULT/ FEMALE/ GOITER, occurrence/ *GOITER, surgery/ *HYPOTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ *THYROIDECTOMY, adverse effects/ UKRAINE

3055. **Pontius AA:** Maori art and pseudo-hypoparathyroidism--a medical contribution to prehistoric anthropology.
J Am Med Wom Assoc 28:231-7, May 73
*ANTHROPOLOGY, CULTURAL/ *ART/ AUSTRALIAN RACE/ ETHNIC GROUPS/ HUMAN/ *MEDICINE IN ART/ NEW ZEALAND/ *PSEUDOHYPOPARATHYROIDISM

3056. **Poortman J, Thijssen JH, Schwarz F:** Androgen production and conversion to estrogens in normal postmenopausal women and in selected breast cancer patients. J Clin Endocrinol Metab 37:101-9, Jul 73
AGED/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, blood/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, urine/ *BREAST NEOPLASMS, metabolism/ CARBON ISOTOPES/ *CLIMACTERIC/ *DEHYDROEPIANDROSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, urine/ ESTRADIOL, urine/ ESTRIOL, urine/ ESTRONE, blood/ *ESTRONE, metabolism/ ESTRONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ GLUCURONATES, metabolism/ HUMAN/ *17-KETOSTEROIDS, metabolism/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ SULFATES, metabolism/ TESTOSTERONE, blood/ TRITIUM

3057. **Popov A:** Wirkungen und Nebenwirkungen langfristiger Kortikosteroidbehandlung.
Z Gesamte Inn Med 28:111-2 contd, 1 Apr 73 (Ger)
ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLANDS/ ATROPHY/ FEEDBACK/ HUMAN

3058. **Popova NK:** Ugnetaiushchee deĭstvie 5-oksitriptofana na teploreguliatsiiu pri probuzhdenii ot zimneĭ spiachki.
Dokl Akad Nauk SSSR 210:496-8, 11 May 73 (Rus)
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ DIENCEPHALON, metabolism/ HIBERNATION/ HIPPOCAMPUS, metabolism/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MALE/ MESENCEPHALON, metabolism/ SEROTONIN, metabolism/ *SQUIRRELS, physiology

3059. **Porcelli G, Di Jorio M, Ranieri M:** Le interazioni tra cortisone ed il gruppo della prolina.
Farmaco [Sci] 28:370-8, May 73 (Ita)
CHROMATOGRAPHY, PAPER/ *CORTISONE/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ EXCHANGE RESINS/ *PEPTIDES/ * PROTEIN BINDING

3060. **Porter IH:** From gene to phene.
J Invest Dermatol 60:360-8, Jun 73
ANEUPLOIDY/ CARBOHYDRATE METABOLISM, INBORN ERRORS, fa genetic/ CHROMOSOME ABNORMAL CHROMOSOME ABNORMALITIES, fa genetic/ *GENES/ GENES, DOMINAN GENES, RECESSIVE/ HETEROZYGOT HOMOZYGOTE/ HUMAN/ LINKAGE (GENETICS)/ MEIOSIS/ MITOSIS/ MOSAICISM/ MUCOPOLYSACCHARI metabolism/ MUTATION/ PEDIGREE *PHENOTYPE/ SEX CHROMOSOMES TRISOMY

3061. **Portnoff JB, Henley MW, Polli GP:** Prese sodium bisulfite in parenteral solutio dexamethasone sodium phosphate.
Bull Parenter Drug Assoc 27:84-95, *DEXAMETHASONE/ DRUG STABILI *PHARMACEUTIC AIDS/ PHOSPHAT SOLUTIONS/ *SULFATES

3062. **Portnoi VF, Balliuzek FV, Grishkevich VM** blizhaishego posleoperatsionnogo perio ortotopicheskoi peresadki serdtsa.
Grudn Khir 14:88-92, Sep-Oct 72
ADRENAL CORTEX HORMONES, th use/ ANIMAL EXPERIMENTS/ BLO VOLUME/ CARDIAC VOLUME/ DIGI therapeutic use/ DOGS/ HEART, dru *HEART, transplantation/ HEART FU TESTS/ HEART, MECHANICAL/ HE RATE/ HUMAN/ IMMUNOSUPPRESS PERFUSION/ *POSTOPERATIVE CA POSTOPERATIVE COMPLICATIONS, prevention & control/ PREOPERATI RESPIRATION, ARTIFICIAL/ REVIE SUPPURATION, prevention & contro FACTORS

3063. **Portus RM:** Nekotorye osobennosti topogr otnosheniĭ vozvratnogo gortannogo nerva nizhneĭ shchitovidnoĭ arterii.
Arkh Anat Gistol Embriol 63:78-82, De
ADULT/ AGED/ ARTERIES, anatomy histology/ ENGLISH ABSTRACT/ FE HUMAN/ *LARYNGEAL NERVES, a histology/ MALE/ MIDDLE AGE/ TE GLAND, anatomy & histology/ *THY GLAND, blood supply

3064. **Porzig H:** Calcium-calcium and calcium exchange across the membrane of huma ghosts. J Membr Biol 11:21-46, 23 J
BIOLOGICAL TRANSPORT/ *CALCI metabolism/ CALCIUM ISOTOPES/ MEMBRANE, metabolism/ *ERYTHRO metabolism/ HUMAN/ KINETICS/ MATHEMATICS/ *STRONTIUM, meta TIME FACTORS

3065. **Posadas C, Blair AJ Jr, McCann DS:** E tetrahydroaldosterone in normal preg
Clin Chim Acta 45:299-306, 18 May
ADOLESCENCE/ ADULT/ ALDOSTE isolation & purification/ *ALDOSTER urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ HU MALE/ METHODS/ *PREGNANCY/ FACTORS/ TRITIUM

3066. **Poskalenko AN, Savchenko ON, Nikitina** Izmenenie gonadotropnoĭ funktsii u primenenii novogo otechestvennogo kontratseptivnogo sredstva megestrano
Probl Endokrinol (Mosk) 19:87-93, Mar-A
ADIPHENINE, pharmacodynamics/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BENACTYZINE, pharmacodynamics/ DRUG COMBINA ENGLISH ABSTRACT/ ESTRUS, dru FEMALE/ FSH, analysis/ *GONADOT

LIBRARY

PITUITARY, secretion/ LH, analysis/ MEGESTROL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, drug effects/ RATS/ UTERUS, drug effects

ner HS: Significance of cleft palate induced by emicals in the rat and mouse.
od Cosmet Toxicol 10:839-55, Dec 72
*ABNORMALITIES, DRUG-INDUCED/ AMINOPROPIONITRILE, toxicity/ ANIMAL EXPERIMENTS/ CHLORCYCLIZINE, toxicity/ *CLEFT PALATE, chemically induced/ CORTISONE, toxicity/ FEMALE/ MICE/ NITROSOUREA COMPOUNDS, toxicity/ PALATE, pathology/ PREGNANCY/ PROADIFEN, toxicity/ RATS/ STATISTICS/ THORAX, drug effects/ THORAX, pathology/ TRIAMCINOLONE, toxicity/ TRIAMTERENE, toxicity

ray S, Gilmore JP: Autoregulation of glomerular ration in renin-depleted dogs.
oc Soc Exp Biol Med 143:508-13, Jun 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DIURESIS/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ *KIDNEY GLOMERULUS, physiology/ MALE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ REGIONAL BLOOD FLOW/ *RENIN, physiology

na BJ: Verlängerungsosteotomie der Ulna mittels ner A.O.-Halbrohrplatte als traktionsosteosynthese bei der Behandlung der natummalazie.
Orthop 111:116-20, Feb 73 (Ger)
BONE PLATES/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ OSTEOCHONDRITIS, surgery/ OSTEOMALACIA, surgery/ OSTEOTOMY/ SEMILUNAR BONE/ SPRAINS AND STRAINS, surgery/ ULNA, abnormalities/ *ULNA, surgery/ WRIST INJURIES, surgery

on F, Bouvet R: Etude critique de deux méthodes exploration de la fonction thyroidienne in vitro. v Fr Endocrinol Clin 13:131-46, Mar-Apr 72 (Fre)
ADSORPTION/ CHARCOAL, diagnostic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ IODINE ISOTOPES, DIAGNOSTIC/ ION EXCHANGE RESINS/ METHODS/ PROTEIN-BOUND IODINE TEST/ RESINS, diagnostic use/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS

s DM: Non-medical distribution of oral ntraceptives. Lancet 2:159, 21 Jul 73
BANGLADESH/ *CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ FEMALE/ HEALTH MANPOWER/ HUMAN/ *POPULATION CONTROL

s JT Jr, Niall HD, Tregear GW, et al: Chemical and ological studies of proparathyroid hormone and rathyroid hormone: analysis of hormone osynthesis and metabolism.
Sinai J Med NY 40:448-61, May-Jun 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CATTLE/ CROSS REACTIONS/ HUMAN/ *PARATHYROID HORMONE, biosynthesis/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ PEPTIDES, biosynthesis/ RADIOIMMUNOASSAY/ STRUCTURE-ACTIVITY RELATIONSHIP

lain P: Identification unitaire du noyau pra-optique par stimulation de l'éminence médiane ez le cobaye.
R Soc Biol (Paris) 166:1328-31, 1972 (Fre)
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GUINEA PIGS/ *HYPOTHALAMUS, physiology/ *PITUITARY GLAND, POSTERIOR, physiology

lles A, Voglmayr JK, White IG: Phospholipid anges in spermatozoa during passage through the genital tract of the bull.
Biochim Biophys Acta 306:194-202, 24 May 73
ALDEHYDES, metabolism/ ANIMAL EXPERIMENTS/ CARDIOLIPINS, metabolism/ CATHETERIZATION/ CATTLE/ CELL MOVEMENT/ CEPHALINS, metabolism/ CHROMATOGRAPHY, GAS/ EJACULATION/ EJACULATORY DUCTS, physiology/ EPIDIDYMIS, physiology/ FATTY ACIDS, metabolism/ *GENITALIA, MALE, physiology/ HYDROGEN-ION CONCENTRATION/ LECITHINS, metabolism/ LIPIDS, isolation & purification/ LIPOPROTEINS, metabolism/ LYSOLECITHIN, metabolism/ MALE/ *PHOSPHOLIPIDS, metabolism/ PLASMALOGENS, metabolism/ *SPERMATOZOA, metabolism/ SPERMATOZOA, physiology/ SPHINGOMYELINS, metabolism/ TESTIS, physiology

3075. **Powell D, Singer FR, Murray TM, et al:** Nonparathyroid humoral hypercalcemia in patients with neoplastic diseases. N Engl J Med 289:176-81, 26 Jul 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BONE RESORPTION/ CALCIUM, metabolism/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ HYPERCALCEMIA, diagnosis/ *HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, diagnosis/ IODINE ISOTOPES/ MALE/ MICE/ MIDDLE AGE/ *NEOPLASMS, complications/ NEOPLASMS, metabolism/ NEOPLASMS, therapy/ PARATHYROID HORMONE, analysis/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ RADIOIMMUNOASSAY/ REMISSION/ TISSUE EXTRACTS, analysis

3076. **Powell K, Atkinson PJ, Woodhead C:** Cortical bone structure of the pig mandible.
Arch Oral Biol 18:171-80, Feb 73
ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ DENSITOMETRY/ DENTAL IMPLANTATION/ *MANDIBLE, anatomy & histology/ MANDIBLE, growth & development/ MICRORADIOGRAPHY/ PERIOSTEUM, growth & development/ *SWINE, anatomy & histology

3077. **Praag HM van, Korf J, Schut D:** Cerebral monoamines and depression. An investigation with the Probenecid technique. Arch Gen Psychiatry 28:827-31, Jun 73
ADULT/ AGED/ BRAIN, drug effects/ *BRAIN, metabolism/ DEPRESSION, REACTIVE, drug therapy/ DOPAMINE, cerebrospinal fluid/ *DOPAMINE, metabolism/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PROBENECID, diagnostic use/ PROBENECID, pharmacodynamics/ SEROTONIN, cerebrospinal fluid/ *SEROTONIN, metabolism

3078. **Prabhakar AK, Sundaram KR, Ramanujacharyulu TK, et al:** Influence of socio-economic factors on the age at the appearance of different puberty signs.
Indian J Med Res 60:789-92, May 72
ADOLESCENCE/ AGE FACTORS/ CHILD/ FEMALE/ HUMAN/ INCOME/ INDIA/ MALE/ *PUBERTY/ SOCIAL CLASS

3079. **Pradhan SN, Kamat KA:** Effects of anticholinergic agents on self-stimulation.
Arch Int Pharmacodyn Ther 201:16-24, Jan 73
ANIMAL EXPERIMENTS/ ATROPINE, administration & dosage/ ATROPINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPOTHALAMUS, drug effects/ MANDELIC ACID, pharmacodynamics/ *PARASYMPATHOLYTICS, pharmacodynamics/ RATS/ SCOPOLAMINE, administration & dosage/ SCOPOLAMINE, pharmacodynamics/ *SELF STIMULATION, drug effects

3080. **Prange AJ Jr, Wilson IC, Lara PP, et al:** THR (lopremone): psychobiological responses of normal women. II. Pituitary-thyroid responses.
Arch Gen Psychiatry 29:28-32, Jul 73
ADULT/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ FEMALE/ HUMAN/

U. OF I., URBANA-CHAMPAIGN

INJECTIONS, INTRAVENOUS/ MIDDLE AGE/ *PITUITARY GLAND, drug effects/ PLACEBOS/ PULSE, drug effects/ *THYROID GLAND, drug effects/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3081. **Prasad AS, Oberleas D:** Zinc deficiency in man.
Lancet 1:1520-1, 30 Jun 73
DEFICIENCY DISEASES, complications/ *DEFICIENCY DISEASES, prevention & control/ FEMALE/ GROWTH DISORDERS, etiology/ HUMAN/ HYPOGONADISM, etiology/ MALE/ *ZINC/ ZINC, administration & dosage/ ZINC, blood/ ZINC, urine

3082. **Prasad DS, Joshi HS, Labhsetwar AP:** Effects of an intrauterine device on ovarian secretion of progestagens and oestrogens in pregnant rats: evidence for local effects.
J Reprod Fertil 33:519-22, Jun 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ ESTRADIOL, blood/ ESTRADIOL, secretion/ *ESTROGENS, secretion/ ESTRONE, blood/ FEMALE/ *INTRAUTERINE DEVICES/ OVARY, blood supply/ PREGNANCY/ *PROGESTATIONAL HORMONES, secretion/ PROGESTERONE, blood/ RATS

3083. **Prasad VK, Ricci RA, Nunning BC, et al:** Improved, rapid spectrophotofluorometric method for assay of epinephrine: a comparative study.
J Pharm Sci 62:1130-5, Jul 73
ANIMAL EXPERIMENTS/ ANTIOXIDANTS/ ASCORBIC ACID/ BLOOD PRESSURE, drug effects/ BUFFERS/ CARBONATES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ COMPARATIVE STUDY/ DOGS/ *EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FERROCYANIDES/ FLUORESCENCE SPECTROMETRY/ INDICATOR DILUTION TECHNICS/ INDICATORS AND REAGENTS/ IODINE/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHATES/ POTASSIUM/ SODIUM HYDROXIDE/ SULFATES

3084. **Pratley SK, Posen S, Reeve TS:** Primary hyperparathyroidism. Experiences with 60 patients.
Med J Aust 1:421-6, 3 Mar 73
ADENOCARCINOMA, pathology/ ADENOMA, pathology/ ADULT/ AGED/ BONE RESORPTION, etiology/ FEMALE/ FOLLOW-UP STUDIES/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, surgery/ HYPERPLASIA, pathology/ HYPOCALCEMIA, etiology/ MAGNESIUM, blood/ MALE/ METABOLIC DISEASES, etiology/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, etiology/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, pathology/ PEPTIC ULCER, etiology/ URINARY CALCULI, etiology

3085. **Pratt H, Cox RA:** Proteins from biologically active ribosomal subparticles of Xenopus leavis.
Biochim Biophys Acta 310:188-204, 17 May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, cytology/ MOLECULAR WEIGHT/ NUCLEOPROTEINS, analysis/ *OVARY, analysis/ OVARY, cytology/ *PROTEINS, analysis/ RABBITS/ RETICULOCYTES, cytology/ *RIBOSOMES, analysis/ RIBOSOMES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, analysis/ XENOPUS

3086. **Preece MA, McIntosh WB, Tomlinson** [illegible]
Vitamin-D deficiency among Asian immi[grants] in Britain.
Lancet 1:907-10, 28 Apr 73
ADOLESCENCE/ ADULT/ AGED/ AL[KALINE] PHOSPHATASE, blood/ CALCIUM, bl[ood]/ CHILD/ EMIGRATION AND IMMIGRA[TION]/ GREAT BRITAIN/ HUMAN/ HYDROXYCHOLECALCIFEROL, blood/ KIDNEY, metabolism/ LIVER, metabo[lism]/ MIDDLE AGE/ OSTEOMALACIA, etio[logy]/ PAKISTAN/ PARATHYROID HORMO[NE]/ blood/ PARATHYROID HORMONE, metabolism/ PHOSPHATES, blood/ RI[CKETS]/ etiology/ VITAMIN D, metabolism/ V[ITAMIN] D DEFICIENCY, complications/ *VITA[MIN] D DEFICIENCY, occurrence

3087. **Preisová J, Riebel O, Svačinová J:** Klinická [studie] o chorobě očnice.
Cesk Oftalmol 29:177-9, May 73
*BONE DISEASES, diagnosis/ BONE DISEASES, pathology/ ENGLISH ABS[TRACT]/ *EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, pathology/ HUMAN/ *ORBIT/ *ULTRASONICS, diagnostic

3088. **Preiot M, Durand D, Beldon H:** Effets chro[niques] des iodothyronines et iodotyrosines thyroïdien[nes] sur les taux sanguins et l'élimination urinaire de [calcium] et de calcium de la ratte adulte.
J Physiol (Paris) 65:Suppl 3:482A, 19[73]
ANIMAL EXPERIMENTS/ CALCIUM, *CALCIUM, metabolism/ CALCIUM, u[rine]/ DIIODOTYROSINE, pharmacodynamics/ FEMALE/ IODOTYROSINE, pharmaco[dynamics]/ PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ R[ATS]/ *THYROID HORMONES, pharmacodyn[amics]/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ TRIIODOTHYRON[INE], pharmacodynamics

3089. **Prensky AL, Gado M:** Angiographic resol[ution] of neonatal intracranial cavernous heman[gioma] coincident with steroid therapy. Case
J Neurosurg 39:99-103, Jul 73
BLOOD PLATELET DISORDERS, che[mically] induced/ BRAIN NEOPLASMS, diagn[osis]/ *BRAIN NEOPLASMS, drug therapy/ NEOPLASMS, radiography/ CASE RE[PORT]/ *CEREBRAL ANGIOGRAPHY/ CEREB[RAL] ARTERIOVENOUS MALFORMATIONS, diagnosis/ DIAGNOSIS, DIFFERENTI[AL]/ FEMALE/ HEMANGIOMA, CAVERNO[US], diagnosis/ *HEMANGIOMA, CAVERN[OUS], therapy/ HEMANGIOMA, CAVERNOU[S], radiography/ HUMAN/ INFANT, NEW/ *INFANT, NEWBORN, DISEASES, dr[ug] therapy/ PREDNISONE, administratio[n], dosage/ PREDNISONE, adverse effect[s]/ *PREDNISONE, therapeutic use/ RADIOISOTOPE SCANNING

3090. **Prescott GH, Pernoll ML, Hecht F, et al:** [Prenatal] diagnosis clinic: an initial report.
Am J Obstet Gynecol 116:942-8, 1 A[ug]
ADULT/ AMNIOCENTESIS/ CHROMO[SOME] ABERRATIONS/ CHROMOSOME ABNORMALITIES, diagnosis/ FEMAL[E]/ GENETIC COUNSELING/ GESTATION[AL] AGE/ HUMAN/ INFORMED CONSEN[T]/ MALE/ MATERNAL AGE/ METHODS/ MIDDLE AGE/ MONGOLISM, diagnos[is]/ MONGOLISM, familial & genetic/ MU[SCULAR] DYSTROPHY, familial & genetic/ PREGNANCY/ *PRENATAL DIAGNOS[IS]/ CHROMOSOME ABNORMALITIES, di[agnosis]/ TIME FACTORS/ TWINS

3091. **Presl J:** Nové poznatky o hypothalamic[kých] hormonech.
Cesk Gynekol 38:373-4, Jun
FEMALE/ FSH, physiology/ *GONADOTROPINS, PITUITARY, phy[siology]/ HUMAN/ *HYPOTHALAMUS, physiol[ogy]/ physiology/ PITUITARY HORMONE RELEASING FACTORS, physiology

l J, Herrmann J, Röhling S, et al: Regional tribution of estrogenic metabolites in the female hypothalamus.
docrinol Exp (Bratisl) 7:119-23, 1973
NIMAL EXPERIMENTS/ CASTRATION/ EREBELLAR CORTEX, metabolism/ HROMATOGRAPHY, THIN LAYER/ STRADIOL, metabolism/ ESTRIOL, metabolism/ *ESTROGENS, metabolism/ EMALE/ FLUOROMETRY/ YPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ ATS

l J, Pospíšil J, Figarová V: Akumulace radioaktivity oocytu po podání 125 I-FS.
k Gynekol 38:368-70, Jun 73 (Cze)
NIMAL EXPERIMENTS/ UTORADIOGRAPHY/ ENGLISH ABSTRACT/ EMALE/ *FSH, metabolism/ *IODINE SOTOPES, metabolism/ MEIOSIS/ *OVUM, metabolism/ RADIOMETRY/ RATS

l J, Syrovátka A, Poláček K: Pohlavní dospívání ek s porodní váhou menší než 2000 g.
k Gynekol 38:221-5, May 73 (Cze)
DOLESCENCE/ ADULT/ *BIRTH WEIGHT/ HILD/ ENGLISH ABSTRACT/ FEMALE/ UMAN/ MENARCHE/ *PUBERTY/ TIME ACTORS

ell EA: The optimal program for prophylaxis of demic goiter with iodized oil.
v Exp Med Biol 30:267-88, 1972
BSORPTION/ ADIPOSE TISSUE, metabolism/ DOLESCENCE/ ADULT/ ANIMAL XPERIMENTS/ CHILD/ CHILD, RESCHOOL/ CHROMATOGRAPHY/ LINICAL RESEARCH/ DOSE-RESPONSE ELATIONSHIP, DRUG/ ETHIODOL, dministration & dosage/ ETHIODOL, adverse ffects/ ETHIODOL, blood/ ETHIODOL, etabolism/ *ETHIODOL, therapeutic use/ EMALE/ FOLLOW-UP STUDIES/ *GOITER, NDEMIC, prevention & control/ HUMAN/ NFANT/ INFANT, NEWBORN/ IODINE, nalysis/ IODINE, urine/ IODINE ISOTOPES/ ALE/ MIDDLE AGE/ PERU/ PLACEBOS/ ATS/ THYROID GLAND, drug effects/ HYROID GLAND, physiopathology/ THYROID ORMONES, blood

ell EA: Role of the placenta and of plasma hormone ding in the pathogenesis of cretinism.
v Exp Med Biol 30:449-54, 1972
CRETINISM, etiology/ FEMALE/ FETAL ISEASES, etiology/ HUMAN/ MATERNAL-FETAL EXCHANGE/ REGNANCY/ *PREGNANCY OMPLICATIONS/ *THYROXINE, blood/ HYROXINE-BINDING PROTEIN, analysis

ell EA, Torres T, Zenteno V, et al: Prophylaxis of demic goiter with iodized oil in rural Peru.
v Exp Med Biol 30:246-65, 1972
AGE FACTORS/ APGAR SCORE/ BIRTH ATE/ BODY HEIGHT/ BODY WEIGHT/ EPHALOMETRY/ CHILD, PRESCHOOL/ LINICAL RESEARCH/ *CRETINISM, revention & control/ EVALUATION TUDIES/ FEMALE/ GESTATIONAL AGE/ GOITER, ENDEMIC, prevention & control/ UMAN/ INFANT/ INFANT, NEWBORN/ NTELLIGENCE, drug effects/ NTELLIGENCE TESTS/ IODIZED OILS, dministration & dosage/ *IODIZED OILS, herapeutic use/ MALE/ MATERNAL-FETAL XCHANGE/ MOTOR SKILLS/ PERU/ LACEBOS/ PREGNANCY/ PREGNANCY OMPLICATIONS, drug therapy

rot J, Mourot M, Lascombes G, et al: Deux cas de rticosurrénalomes virilisants chez le nourrisson.
n Chir Infant 13:327-38, Sep-Oct 72 (Fre)
ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, urine/ HUMAN/ INFANT/ SEX HORMONES, urine/ *VIRILISM, etiology

3099. **Price HV**: Controlled clinical trial of corticosteroid therapy in prophylaxis of respiratory distress syndrome. Arch Dis Child 48:325, Apr 73
BLOOD COAGULATION TESTS/ BLOOD GAS ANALYSIS/ BLOOD SUGAR/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ *RESPIRATORY DISTRESS SYNDROME, prevention & control

3100. **Prival MJ, Brenchley JE, Magasanik B**: Glutamine synthetase and the regulation of histidase formation in Klebsiella aerogenes.
J Biol Chem 248:4334-44, 25 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOACID OXIDOREDUCTASES, metabolism/ AMMONIA, pharmacodynamics/ *AMMONIA-LYASES, biosynthesis/ BACTERIOPHAGE/ BACTERIOPHAGE, isolation & purification/ CHROMOSOMES, BACTERIAL/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ GALACTOSIDASE, metabolism/ GENOTYPE/ GLUCOSE, pharmacodynamics/ *GLUTAMINE SYNTHETASE, metabolism/ HISTIDASE, antagonists & inhibitors/ HISTIDASE, biosynthesis/ HYDROLASES, metabolism/ *KLEBSIELLA, enzymology/ KLEBSIELLA, growth & development/ KLEBSIELLA, isolation & purification/ KLEBSIELLA, metabolism/ MUTATION/ PHENOTYPE/ PROLINE/ SPECIES SPECIFICITY

3101. **Proppe A**: Behandlung des Ekzems.
Z Allgemeinmed 49:6-11, 10 Jan 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ BATHS/ CHILD/ ECZEMA, drug therapy/ *ECZEMA, therapy/ HUMAN/ OCCLUSIVE DRESSINGS

3102. **Przuntek H, Philippu A**: Reduced pressor responses to stimulation of the locus coeruleus after lesion of the posterior hypothalamus.
Naunyn Schmiedebergs Arch Pharmacol 276:119-22, 23 Feb 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ *CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ ELECTROCOAGULATION/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE

3103. **Psatta DM**: EEG patterns of short-term memory in cats during approach-avoidance successive differentiation. Rev Roum Neurol 9:249-63, 1972
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BRAIN, physiology/ CATS/ DISCRIMINATION/ DRIVE/ *ELECTROENCEPHALOGRAPHY/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *MEMORY, SHORT-TERM/ MOTIVATION/ TIME FACTORS

3104. **Psilas K, Soriano H**: Contribution de l'échographie A au diagnostic des tumeurs retro-bulbaires.
Rev Otoneuroophtalmol 44:359-64, Jul-Sep 72 (Fre)
CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, diagnosis/ HUMAN/ MUCOCELE, diagnosis/ ORBIT/ *ORBITAL NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

3105. **Pugh JW**: The micro-mechanics of cancellous bone. I. Microscopic observations.
Bull Hosp Joint Dis 34:92-106, Apr 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, pathology/ BONE MATRIX/ BONE REGENERATION/ BONE RESORPTION, pathology/ CALLUS/ ELASTICITY/ *FEMORAL FRACTURES, pathology/ FEMUR, pathology/ *FRACTURES, SPONTANEOUS, pathology/ GUINEA PIGS/ HUMAN/ KNEE JOINT/ RABBITS/ TIBIA, pathology/ *TIBIAL FRACTURES, pathology/ WOUND HEALING

U. OF I., URBANA-CHAMPAIGN

3106. **Pugh JW, Rose RM, Radin EL:** A possible mechanism of Wolff's law: trabecular microfractures.
Arch Int Physiol Biochim 81:27-40, Feb 73
ADULT/ ANIMAL EXPERIMENTS/ *BONE AND BONES, injuries/ *BONE AND BONES, pathology/ CALLUS, anatomy & histology/ *FRACTURES, pathology/ HUMAN/ MALE/ RABBITS/ STRESS, MECHANICAL/ TETRACYCLINE, diagnostic use/ TIBIA, injuries/ TIBIA, pathology/ TIME FACTORS/ WOUND HEALING

3107. **Pühler A:** Die Bereitschaft zum Gentransfer in der Rhizobiumlupini-Konjugation (Kurzfassung.
Zentralbl Bakteriol [Orig A] 220:343, May 72 (Ger)
*CONJUGATION, GENETIC/ GENETICS, MICROBIAL/ RECOMBINATION, GENETIC, drug effects/ RHIZOBIUM, drug effects/ *RHIZOBIUM, growth & development/ SEX DETERMINATION/ STREPTOMYCIN, pharmacodynamics

3108. **Pun LQ, McCulloch MW, Rand MJ:** The effect of hydrocortisone on the bronchodilator activity of sympathomimetic amines and on the uptake of isoprenaline in the isolated guinea-pig trachea.
Eur J Pharmacol 22:162-8, May 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BRONCHODILATOR AGENTS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ *ISOPROTERENOL, metabolism/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *PHENYLEPHRINE, pharmacodynamics/ *TRACHEA, drug effects/ TRACHEA, metabolism/ TRITIUM

3109. **Purchas RW:** The response of circulating cortisol levels in sheep to various stresses and to reserpine administration. Aust J Biol Sci 26:477-89, Apr 73
ABATTOIRS/ ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ *HYDROCORTISONE, blood/ MALE/ *RESERPINE, therapeutic use/ SHEEP/ SHEEP DISEASES, blood/ *SHEEP DISEASES, drug therapy/ STRESS, blood/ STRESS, drug therapy/ *STRESS, veterinary

3110. **Pushpa V, Till MM, Raynsford G, et al:** Bone-marrow lymphocytes in acute lymphoid leukaemia: effect of therapeutic regimes. Biomedicine 19:11-5, 20 Jan 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ ASPARAGINASE, therapeutic use/ *BONE MARROW CELLS/ BONE MARROW EXAMINATION/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ *LYMPHOCYTES/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ RETROSPECTIVE STUDIES/ STATISTICS/ VINCRISTINE, therapeutic use

Q

3111. **Quadagno DM, Shryne J, Anderson C, et al:** Influence of gonadal hormones on social, sexual, emergence, and open field behaviour in the rat (Rattus norvegicus).
Anim Behav 20:732-40, Nov 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ CASTRATION/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ FEMALE/ HOUSING, ANIMAL/ LOCOMOTION, drug effects/ MALE/ MOTOR ACTIVITY, drug effects/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *SOCIAL BEHAVIOR/ TESTOSTERONE, administration & do
*TESTOSTERONE, pharmacodynamics

3112. **Querido A:** History of iodine prophylaxis with cretinism and deaf-mutism.
Adv Exp Med Biol 30:191-9, 1972
*CRETINISM, history/ CRETINISM, metabolism/ CRETINISM, prevention & control/ *DEAF-MUTISM history/ DEAF-MUTISM, prevention & HISTORICAL ARTICLE/ HISTORY O MEDICINE, 20TH CENT./ HUMAN/ I administration & dosage/ *IODINE, t use/ IODINE, urine/ MENTAL RETARDATION, prevention & control SOCIOECONOMIC FACTORS/ SWITZE YUGOSLAVIA

3113. **Quevedo WC Jr:** Genetic control of melanin within the melanin unit of mammalian
J Invest Dermatol 60:407-17, Jun 73
ACID PHOSPHATASE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHO metabolism/ ANIMAL EXPERIMENTS SEQUENCE/ CELL DIFFERENTIATIO CHROMATOPHORES, metabolism/ CYTOPLASMIC GRANULES, metaboli DIPHENOL OXIDASES, isolation & purification/ DIPHENOL OXIDASES, metabolism/ ENDOPLASMIC RETICU metabolism/ GENETIC CODE/ GUINE HUMAN/ LYSOSOMES, metabolism/ MELANIN, biosynthesis/ *MELANIN, metabolism/ MELANOCYTES, cytolog MELANOCYTES, metabolism/ MICE/ PIGMENTATION/ PIGMENTS, biosynt PROTEINS, biosynthesis/ REVIEW/ R MESSENGER, metabolism/ SKIN, cyto *SKIN, metabolism

3114. **Quirk JG, Hamilton JB:** Number of germ cell male and known female genotypes of embryos (Oryzias latipes). Science 180:963-
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ *FISH embryology/ GENOTYPE/ *GERM CE MALE/ OVARY, embryology/ PHENO *SEX DETERMINATION/ TESTIS, em

R

3115. **Raab W:** Die Hydroxyprolinausscheidung im rheumatischen Geschehe und bei antirheu Behandlung. Clin Chim Acta 44:85-93, 28 Fe
ADJUVANTS, IMMUNOLOGIC/ ADRE CORTEX HORMONES, therapeutic us ANIMAL EXPERIMENTS/ ARTHRITI chemically induced/ ASPIRIN, therapeutic use/ DRUG INTERACTIO GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYDROXYPROLINE, urine LATHYRISM, chemically induced/ MI AGE/ PENICILLAMINE/ RATS/ RHEUMATISM, drug therapy/ *RHEU urine

3116. **Raab WP, Mörth C:** Antiandrogenic potency evaluated by urinary enzyme excretion
Experientia 29:687, 15 Jun 73
ACID PHOSPHATASE, urine/ ALKAL PHOSPHATASE, urine/ *ANDROGENS antagonists & inhibitors/ *ANILIDES, pharmacodynamics/ ANIMAL EXPERI BIOLOGICAL ASSAY/ FLUORINE/ L AMINOPEPTIDASE, urine/ MALE/ N COMPOUNDS, pharmacodynamics/ RA

3117. **Rabito CA, Fasciolo JC:** Effects of prostagla 1 and PGF 2 alpha on oxygen consumption, potassium content of renal tissue.
Experientia 29:673-5, 15 Jun 73
ANIMAL EXPERIMENTS/ IN VITRO/ *KIDNEY, drug effects/ KIDNEY, me KIDNEY CORTEX, drug effects/ KID CORTEX, metabolism/ LIVER, drug LIVER, metabolism/ MALE/ *OXYGE CONSUMPTION, drug effects/ *POTA metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SODIUM, metabolism

bson AS, Rosen SW, Tashijan AH Jr, et al: roduction of human chorionic gonadotropin in vitro y a cell line derived from a carcinoma of the lung. Natl Cancer Inst 50:669-74, Mar 73
CARCINOMA/ CELL DIVISION/ *CELL LINE/ EPITHELIAL CELLS/ GONADOTROPINS, CHORIONIC, analysis/ *GONADOTROPINS, CHORIONIC, biosynthesis/ HORMONES, ECTOPIC, analysis/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY

cadot A, Lefebvre J, Asfour M, et al: L'iode hormonal érique. Comparaison avec le thyroxinémie mesurée ar radiocompétition. Lille Med 18:7-12, Jun 73 (Fre)
BINDING, COMPETITIVE/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood

dó JP: Falsely high fluorescence in cortisol eterminations due to the carbamazepine. lorm Metab Res 5:63, Jan 73
ACIDOSIS, DIABETIC/ *CARBAMAZEPINE, pharmacodynamics/ DIABETES INSIPIDUS, metabolism/ EPILEPSY, metabolism/ FLUORESCENCE/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ 17-KETOSTEROIDS, blood/ NEURALGIA, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ THIRST

eside JI, Liptrap RM, Milne FJ: Relationship of fetal onads to urinary estrogen excretion by the pregnant nare. Am J Vet Res 34:843-5, Jun 73
ABORTION, VETERINARY, etiology/ ANIMAL EXPERIMENTS/ CASTRATION/ *ESTROGENS, urine/ FEMALE/ *FETUS, physiology/ GONADS, embryology/ *GONADS, physiology/ HORSE DISEASES, etiology/ *HORSES, physiology/ MALE/ METHODS/ PREGNANCY/ *PREGNANCY, ANIMAL

falowska J, Emeryk B, Rubach K, et al: W sprawie aciekających raków grasicy. Neurol Neurochir Pol 7:377-82, May-Jun 73 (Pol)
ANTIBODIES, analysis/ ANTINUCLEAR FACTORS, analysis/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MYASTHENIA GRAVIS, pathology/ PNEUMOMEDIASTINUM, DIAGNOSTIC/ THYMOMA, classification/ THYMOMA, diagnosis/ *THYMOMA, pathology/ THYMUS GLAND, immunology/ THYMUS NEOPLASMS, classification/ THYMUS NEOPLASMS, diagnosis/ *THYMUS NEOPLASMS, pathology

fli MR, Will W: Disseminierte intravasale Gerinnung ei intrauterinem und perinatalem Fruchttod. Geburtshilfe Perinatol 177:147-56, Apr 73 (Ger)
*ASPHYXIA NEONATORUM, etiology/ AUTOPSY/ BERLIN/ BIRTH WEIGHT/ *DISSEMINATED INTRAVASCULAR COAGULATION, complications/ DISSEMINATED INTRAVASCULAR COAGULATION, occurrence/ DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, etiology/ FETAL DEATH, pathology/ *FETAL DISEASES, etiology/ GERMANY, WEST/ HUMAN/ HYALINE MEMBRANE DISEASE, complications/ HYALINE MEMBRANE DISEASE, pathology/ INFANT, NEWBORN/ INFANT, PREMATURE/ PLACENTA DISORDERS, complications/ PREGNANCY

ftery EB, Denman AM: Systemic lupus rythematosus syndrome induced by practolol. Br Med J 2:452-5, 26 May 73
ACETANILIDE, adverse effects/ ACETANILIDE, therapeutic use/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, adverse effects/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ AGED/ *AMINO ALCOHOLS, adverse effects/ AMINO ALCOHOLS, therapeutic use/ ANGINA PECTORIS, drug therapy/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, chemically induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PROPYLAMINES, adverse effects/ PROPYLAMINES, therapeutic use

3125. **Rafulia VA:** Kliniko-morfologicheskie paralleli pri instilliatsii kislykh rastvorov v dykhatel'nye puti i nekotorye voprosy terapii etikh oslozhnenii v eksperimente. Klin Khir 4:60-3, Apr 73 (Rus)
ACIDS/ ANIMAL EXPERIMENTS/ ASPIRATION/ GASTRIC JUICE, analysis/ HYDROCORTISONE, therapeutic use/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ LUNG, pathology/ PENICILLIN, therapeutic use/ *PNEUMONIA, ASPIRATION/ PNEUMONIA, ASPIRATION, chemically induced/ PNEUMONIA, ASPIRATION, diagnosis/ PNEUMONIA, ASPIRATION, drug therapy/ PNEUMONIA, ASPIRATION, pathology/ RATS/ STREPTOMYCIN, therapeutic use

3126. **Raikhlin NT:** Ul'trastrukturnaia organospetsifichnost' kletok rakovykh opukholei cheloveka. Arkh Patol 35:3-17, 1973 (144 ref.) (Rus)
BLADDER NEOPLASMS, pathology/ CELL DIFFERENTIATION/ CELL TRANSFORMATION, NEOPLASTIC/ FIBROBLASTS, cytology/ FIBROSARCOMA, pathology/ HEPATOMA, pathology/ HUMAN/ LIVER NEOPLASMS, pathology/ MELANOMA, pathology/ *MICROSCOPY, ELECTRON/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, pathology/ NEOPLASMS, EXPERIMENTAL, pathology/ *ORGAN SPECIFICITY/ PIGMENTATION/ REVIEW/ RHABDOMYOSARCOMA, pathology/ SYNOVIOMA, pathology/ THYROID NEOPLASMS, pathology

3127. **Rainsford SG, Hall A:** A three-year study of adolescent boys suffering from haemophilia and allied disorders. Br J Haematol 24:539-51, May 73
ADOLESCENCE/ BLOOD TRANSFUSION/ CHRISTMAS DISEASE, occurrence/ FACTOR VIII/ FACTOR VIII, antagonists & inhibitors/ FACTOR IX/ HEMATURIA, complications/ HEMATURIA, drug therapy/ HEMOPHILIA, complications/ *HEMOPHILIA, occurrence/ HEMOPHILIA, therapy/ HEMORRHAGE, occurrence/ *HEMORRHAGIC DIATHESIS, occurrence/ HUMAN/ KNEE JOINT/ MALE/ ORTHOPEDICS/ PHYSICAL THERAPY/ PREDNISONE, therapeutic use/ SEASONS/ VON WILLEBRAND'S DISEASE, occurrence

3128. **Raisman G:** Electron microscopic studies of the development of new neurohaemal contacts in the median eminence of the rat after hypophysectomy. Brain Res 55:245-61, 15 Jun 73
ANIMAL EXPERIMENTS/ AXONS/ BASEMENT MEMBRANE/ *CAPILLARIES/ HYPERTROPHY/ *HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *INTERCELLULAR JUNCTIONS/ MICROSCOPY, ELECTRON/ *NERVE REGENERATION/ NEUROSECRETORY SYSTEMS, cytology/ *NEUROSECRETORY SYSTEMS, growth & development/ OXYTOCIN, secretion/ PITUITARY GLAND, POSTERIOR, cytology/ *PITUITARY GLAND, POSTERIOR, growth & development/ PITUITARY GLAND, POSTERIOR, secretion/ RATS/ *SYNAPTIC VESICLES/ VASOPRESSIN, secretion

3129. **Raisman G, Field PM:** Sexual dimorphism in the neuropil of the preoptic area of the rat and its dependence on neonatal androgen. Brain Res 54:1-29, 17 May 73
*AMYGDALOID BODY, anatomy & histology/ AMYGDALOID BODY, growth & development/ *ANDROGENS/ ANIMAL EXPERIMENTS/ *CEREBRAL VENTRICLES, anatomy &

U. S. DEPT. OF C. UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

histology/ CEREBRAL VENTRICLES, growth & development/ DENDRITES/ ESTRUS/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, growth & development/ MALE/ NEURAL INTERCONNECTIONS, anatomy & histology/ OCULOMOTOR NERVE/ OVULATION/ PITUITARY GLAND, secretion/ RATS/ SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ STAINS AND STAINING/ *SUPERIOR COLLICULUS, anatomy & histology/ SUPERIOR COLLICULUS, growth & development/ *SYNAPSES/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

3130. **Raisz LG:** Prostaglandins and the hypercalcemia of cancer. N Engl J Med 289:214-5, 26 Jul 73
ANIMAL EXPERIMENTS/ BONE RESORPTION/ FIBROSARCOMA, metabolism/ HUMAN/ *HYPERCALCEMIA, etiology/ MICE/ *NEOPLASMS, complications/ NEOPLASMS, metabolism/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, secretion/ SARCOMA, EXPERIMENTAL, metabolism/ VITAMIN D, metabolism/ VITAMIN D, physiology

3131. **Raith L:** La terapia medica dell'ipersurrenalismo. Minerva Med 64:682-4, 14 Mar 73 (Ita)
*ADRENAL GLAND HYPERFUNCTION, drug therapy/ AMINOGLUTETHIMIDE, therapeutic use/ CORTICOTROPIN, antagonists & inhibitors/ CUSHING'S SYNDROME, drug therapy/ DDD, therapeutic use/ HUMAN/ METYRAPONE, therapeutic use

3132. **Raiti S:** Endocrine disorders of growth in stature. Aust Paediatr J 8:297-305, Dec 72 (20 ref.)
ACROMEGALY/ ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BIRTH WEIGHT/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, blood/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, diagnosis/ *ENDOCRINE DISEASES, complications/ FEMALE/ GIGANTISM/ GONADOTROPINS, PITUITARY, blood/ *GROWTH DISORDERS, etiology/ HUMAN/ HYPOGONADISM/ HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, drug therapy/ HYPOTHYROIDISM, diagnosis/ INFANT/ INFANT, NEWBORN/ MALE/ PITUITARY GLAND FUNCTION TESTS/ PUBERTY/ REVIEW/ SOMATOTROPIN, blood/ SOMATOTROPIN, therapeutic use/ THYROTROPIN, blood/ TURNER'S SYNDROME, diagnosis

3133. **Raitsina SS, Davydova AI:** Gemato-testikuliarnyĭ bar'er.
Usp Sovrem Biol 75:104-24, Jan-Feb 73 (113 ref.) (Rus)
ACRIDINES, metabolism/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ BIOLOGICAL TRANSPORT, ACTIVE/ DACTINOMYCIN, metabolism/ DOPA, metabolism/ ESTROGENS, pharmacodynamics/ FSH, metabolism/ HUMAN/ HYPOPHYSECTOMY/ LH, metabolism/ MALE/ PITUITARY GLAND, physiology/ REVIEW/ SERTOLI CELLS/ SERUM ALBUMIN, metabolism/ SERUM GLOBULINS, metabolism/ SPERMATOGENESIS/ TEMPERATURE/ TESTIS, blood supply/ TESTIS, cytology/ TESTIS, drug effects/ TESTIS, embryology/ TESTIS, growth & development/ TESTIS, immunology/ TESTIS, injuries/ *TESTIS, physiology

3134. **Rajan R:** Amniotic fluid assays in high-risk pregnancy. Clin Obstet Gynecol 16:313-28, Mar 73 (58 ref.)
ADRENAL CORTEX HORMONES, analysis/ AMNIOCENTESIS/ AMNIOSCOPY/ *AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, cytology/ BILIRUBIN, analysis/ CREATININE, analysis/ EPINEPHRINE, analysis/ ESTRIOL, analysis/ ESTROGENS, analysis/ FEMALE/ FETUS, growth & development/ GENETICS, HUMAN/ HORMONES, analysis/ HUMAN/ HYDRAMNIOS, diagnosis/ HYDROXYPROLINE, analysis/ NOREPINEPHRINE, analysis/ OSMOLAR CONCENTRATION/ PHOSPHOLIPIDS, analysis/ PLACENTA LACTOGEN, analysis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagn PROLACTIN, analysis/ PROSTAGLAND analysis/ PROTEINS, analysis/ REVIEW

3135. **Rajaniemi H, Vanha-Perttula T:** Attachmen luteal plasma membranes: an early event in t of luteinizing hormone.
J Endocrinol 57:199-206, May 73
ACID PHOSPHATASE/ ADENOSINE TRIPHOSPHATASE/ ANIMAL EXPERI AUTORADIOGRAPHY/ CELL MEMBRA metabolism/ CENTRIFUGATION, DENS GRADIENT/ CORPUS LUTEUM, analys *CORPUS LUTEUM, metabolism/ CYTOCHROME REDUCTASES/ FEMAL analysis/ IODINE ISOTOPES/ LH, ana *LH, metabolism/ MICE/ NAD/ NADP *OVARY, metabolism/ POTASSIUM/ PREGNANCY/ RIBOSOMES, analysis/ SODIUM/ SUBCELLULAR FRACTIONS SUCROSE

3136. **Rajendran KG, Ghosh SN, Seshadri R, et** hormonal and genetic aspects of huma cancer--a review.
Indian J Cancer 10:111-23, Mar 73 (1
ADRENALECTOMY/ ADULT/ ANDRO metabolism/ *BREAST NEOPLASMS, classification/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, enz BREAST NEOPLASMS, familial & gen BREAST NEOPLASMS, metabolism/ B NEOPLASMS, therapy/ *CHROMOSOM ABERRATIONS/ ESTRADIOL, metabol ESTRIOL, urine/ ESTROGENS, metab FEMALE/ *HORMONES, metabolism/ 17-HYDROXYCORTICOSTEROIDS, urin HYPOPHYSECTOMY/ MASTECTOMY/ MENOPAUSE/ MIDDLE AGE/ PREGN PROGNOSIS/ REVIEW/ *SEX CHROM TESTOSTERONE, therapeutic use/ TH HORMONES, metabolism

3137. **Raju PK, Reiser R:** Hepatic stearoyl-CoA d activity in mice as affected by early postna cyclopropene fatty acids. J Nutr 103:904-
ACYLTRANSFERASES, metabolism/ A EXPERIMENTS/ CARBON ISOTOPES/ COENZYME A/ CORN/ CYCLOPROPA administration & dosage/ CYCLOPRO pharmacodynamics/ DEFICIENCY DIS enzymology/ DIETARY FATS/ *DIET FATS/ FATTY ACID DESATURASES, antagonists & inhibitors/ FATTY AC DESATURASES, metabolism/ FATTY UNSATURATED, administration & do *FATTY ACIDS, UNSATURATED, pharmacodynamics/ FEMALE/ GLYCEROPHOSPHATES/ *HYDROXYI antagonists & inhibitors/ LACTATION MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ pharmacodynamics/ PREGNANCY/ SE SPECTROPHOTOMETRY/ STEARIC A

3138. **Rake JS, Hafiz SA, Lessof MH, et al:** medroxyprogesterone acetate in acrom Clin Endocrinol (Oxf) 1:181-7, Apr 72
*ACROMEGALY, drug therapy/ ACROMEGALY, radiotherapy/ FASTI GLUCOSE TOLERANCE TEST/ HUMA HYDROXYPROLINE, urine/ MALE/ MEDROXYPROGESTERONE, administr dosage/ *MEDROXYPROGESTERONE, therapeutic use/ PITUITARY GLAND IRRADIATION/ RADIOIMMUNOASSA SOMATOTROPIN, blood/ TIME FACT

3139. **Ralph P:** Retention of lymphocyte charact myelomas and theta + -lymphomas: sen cortisol and phytohemagglutinin.
J Immunol 110:1470-5, Jun 73
ANIMAL EXPERIMENTS/ CATTLE, immunology/ CELL DIVISION, drug CELL LINE/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *HYDROCORTISONE pharmacodynamics/ *LYMPHOCYTES,

immunology/ *T-LYMPHOCYTES, drug effects/ LYMPHOMA, drug therapy/ LYMPHOMA, immunology/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MITOGENS, pharmacodynamics/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, immunology/ NEOPLASMS, EXPERIMENTAL, immunology/ *PLANT AGGLUTININS, pharmacodynamics

ma F, Castellano MA, Germino NI, et al: istochemical location of ketose-reductase in the lacenta and fetal tissues. J Anat 114:109-13, Jan 73 *ALCOHOL OXIDOREDUCTASES, analysis/ ALCOHOL OXIDOREDUCTASES, blood/ ANIMAL EXPERIMENTS/ CATS/ CATTLE/ CYTOPLASM, enzymology/ DOGS/ EPITHELIAL CELLS, enzymology/ FEMALE/ FETUS, cytology/ *FETUS, enzymology/ FRUCTOSE/ HISTOCYTOCHEMISTRY/ HUMAN/ KIDNEY, cytology/ KIDNEY, enzymology/ LIVER, enzymology/ MATERNAL-FETAL EXCHANGE/ MICE/ PLACENTA, cytology/ *PLACENTA, enzymology/ PREGNANCY/ SWINE/ TROPHOBLAST, enzymology

made F: Modification de la protéinhémie chex la emelle de Musca domestica L. aprés intoxication par lindane.
R Acad Sci [D] (Paris) 276:985-8, 5 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ *BENZENE HEXACHLORIDE, pharmacodynamics/ DENSITOMETRY/ *DIPTERA, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HEMOLYMPH, analysis/ *HEMOLYMPH, drug effects/ METHODS/ MOTOR ACTIVITY, drug effects/ *NEUROSECRETORY SYSTEMS, drug effects/ OVUM, growth & development/ *PROTEINS, analysis

manna L, Ganatra RD, Sharma SM, et al: Scanning in on-toxic nodular goitres.
ndian J Cancer 10:55-9, Mar 73
FEMALE/ *GOITER, NODULAR, diagnosis/ GOITER, NODULAR, pathology/ HUMAN/ MALE/ *RADIOISOTOPE SCANNING/ SEX FACTORS/ THYROID GLAND, pathology/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, occurrence

mos A, Chacón J, Ferreira A, et al: Effects of ortisone on H-2 agglutinin response in normal and hymectomized adult mice.
mmunology 24:593-9, Apr 73
*AGGLUTININS/ ANIMAL EXPERIMENTS/ ANTIBODIES/ *ANTIBODY FORMATION/ ANTIGENS/ *CORTISONE, pharmacodynamics/ FEMALE/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ RADIATION EFFECTS/ SPLEEN, drug effects/ SPLEEN, radiation effects/ *THYMECTOMY/ THYMUS GLAND, radiation effects

msay I, Greer S, Bagley C: Propranolol in neurotic nd thyrotoxic anxiety.
r J Psychiatry 122:555-60, May 73
ACOUSTIC STIMULATION/ ANXIETY, diagnosis/ *ANXIETY, drug therapy/ ATTITUDE TO HEALTH/ CLINICAL RESEARCH/ EVALUATION STUDIES/ FEMALE/ GALVANIC SKIN RESPONSE, drug effects/ HUMAN/ *HYPERTHYROIDISM, complications/ INTERVIEW, PSYCHOLOGICAL/ NEUROSES, ANXIETY, diagnosis/ *NEUROSES, ANXIETY, drug therapy/ PERSONALITY INVENTORY/ PLACEBOS/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ SELF CONCEPT

mu A, Drexler H: Hyperglycemia in acute malathion ntoxication in rats. Isr J Med Sci 9:635-9, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, administration & dosage/ ATROPINE, pharmacodynamics/ BLOOD SUGAR, analysis/ CHOLINESTERASE, blood/ DEPRESSION, CHEMICAL/ FASTING/ FEMALE/ GANGLIONIC BLOCKADERS, pharmacodynamics/ *HYPERGLYCEMIA, chemically induced/ MALATHION, administration & dosage/ *MALATHION, poisoning/ PENTOLINIUM TARTRATE/ RATS/ RESERPINE, administration & dosage/ TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, pharmacodynamics/ XYLENE, administration & dosage/ XYLENE, pharmacodynamics

3146. **Randic L, Musacchio I, Epstein JA:** Copper levels in cervical mucus during normal menstrual cycles.
Biol Reprod 8:495-8, May 73
ADULT/ *CERVIX MUCUS, analysis/ *CERVIX MUCUS, secretion/ *COPPER, analysis/ FEMALE/ HUMAN/ *MENSTRUATION/ METHODS/ MIDDLE AGE/ *OVULATION/ SPECTROPHOTOMETRY

3147. **Rao LG:** Prediction of 1-year survival after resection of lung tumours from the preoperative steroid excretion pattern.
Br J Surg 59:977-9, Dec 72
ADULT/ AGED/ *ANDROSTERONE, urine/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, mortality/ LUNG NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSPECTIVE STUDIES

3148. **Rao PD, Dabhade KB:** In situ demonstration of changes in the preoptico-neurohypophysial complex after electrical stimulation of the olfactory tract in the catfish Clarias batrachus (Linn.).
Z Zellforsch Mikrosk Anat 139:95-9, 11 May 73
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ ELECTRIC STIMULATION/ FEMALE/ *FISHES/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *LIMBIC SYSTEM, physiology/ MALE/ NEURONS, cytology/ NEUROSECRETION/ PITUITARY GLAND, POSTERIOR, cytology/ TIME FACTORS

3149. **Rao SS, Munshi SR, Purandare TV:** The mechanism of inhibition of luteal function by heterologous antisera.
Indian J Med Res 60:1220-6, Aug 72
ANIMAL EXPERIMENTS/ CATTLE/ DECIDUA/ FEMALE/ *GONADS, immunology/ *IMMUNE SERUMS, pharmacodynamics/ IMMUNE SERUMS, therapeutic use/ *LH/ MICE/ *NIDATION/ NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RABBITS/ SHEEP/ UTERINE NEOPLASMS, prevention & control/ UTERUS, injuries

3150. **Rapenne F:** Etude préliminaire de la précocité des chromosomes á satellites lors de la méiose chex les mâles d'Asellus aquaticus Linné (crustacés, isopodes.
C R Acad Sci [D] (Paris) 276:1197-200, 12 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CHROMATIDS/ *CHROMOSOMES/ *CRUSTACEA/ *MEIOSIS/ TESTIS, cytology

3151. **Rapoport B, Caplan R, DeGroot LJ:** Low-dose sodium iodide I 131 therapy in Graves disease.
JAMA 224:1610-3, 18 Jun 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ *IODIDES, administration & dosage/ *IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, therapeutic use/ MALE/ MICE/ MIDDLE AGE/ SODIUM, administration & dosage/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, immunology/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS

3152. **Rapp JP, Knudsen KD, Iwai J, et al:** Genetic control of blood pressure and corticosteroid production in rats.
Circ Res 32:Suppl 1:139-49, 5 May 73
ADRENAL GLANDS, metabolism/ ALLELES/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/

CARBON ISOTOPES/ CATS/ CORTICOSTERONE, metabolism/ CROSSES, GENETIC/ DESOXYCORTICOSTERONE, metabolism/ FEMALE/ *GENES/ HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYPERTENSION, occurrence/ MALE/ *MINERALOCORTICOIDS, metabolism/ PHENOTYPE/ SELECTION (GENETICS)/ SEX FACTORS/ SODIUM CHLORIDE, pharmacodynamics/ TISSUE CULTURE

3153. **Rasin MS**: Obmin katekholaminiv u shchuriv za eksperymental'noi suprarenal'noi hipertonii.
Ukr Biokhim Zh 44:395-9, 1972 **(Ukr)**
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AORTA, analysis/ BLOOD PRESSURE DETERMINATION/ BRAIN CHEMISTRY/ *CATECHOLAMINES, metabolism/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ELECTROLYTES, analysis/ ENGLISH ABSTRACT/ EPINEPHRINE, analysis/ ETHANOLAMINES, analysis/ HYPERTENSION, metabolism/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LIGATION/ MALE/ MANDELIC ACID, analysis/ METHOXYHYDROXYPHENYL GLYCOL/ MYOCARDIUM, analysis/ NOREPINEPHRINE, analysis/ NORMETANEPHRINE, analysis/ PHENETHYLAMINES, analysis/ RATS/ RESERPINE, pharmacodynamics/ THIOCARBAMATES, pharmacodynamics

3154. **Raška B, Straková M, Holeček V**: Použití DDAVP u dětského diabetu insipidus.
Cesk Pediatr 28:262-4, 1973 **(Cze)**
*ARGININE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ PEDIGREE/ *VASOPRESSIN, therapeutic use

3155. **Rask-Madsen J, Jensen PB, Lund JO**: Rectal hyperpolarization following intestinal bypass for obesity. Gut 14:390-2, May 73
ADULT/ ALDOSTERONE, blood/ FEMALE/ HUMAN/ *INTESTINES, surgery/ MIDDLE AGE/ *OBESITY, surgery/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *RECTUM/ RENIN, blood/ SIGMOIDOSCOPY/ SODIUM, blood/ SODIUM ISOTOPES

3156. **Rasmussen H**: Secondary hyperparathyroidism.
Mt Sinai J Med NY 40:462-73, May-Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ BONE AND BONES, cytology/ BONE AND BONES, metabolism/ BONE DISEASES, etiology/ CALCIUM, physiology/ *CALCIUM METABOLISM DISORDERS, complications/ CARCINOMA, complications/ CYTOSOL, metabolism/ HUMAN/ HYDROCORTISONE, adverse effects/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, SECONDARY, classification/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY DISEASES, complications/ PARATHYROID HORMONE, metabolism/ *PARATHYROID HORMONE, physiology/ PHOSPHATES, metabolism/ PSEUDOHYPOPARATHYROIDISM, complications/ THYROID NEOPLASMS, complications/ VITAMIN D DEFICIENCY, complications/ VITAMIN D DEFICIENCY, physiopathology

3157. **Rasmussen H, Bordier P**: The cellular basis of metabolic bone disease.
N Engl J Med 289:25-32, 5 Jul 73 (6 ref.)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ BONE AND BONES, physiopathology/ BONE DEVELOPMENT/ BONE DISEASES, etiology/ *BONE DISEASES, metabolism/ BONE DISEASES, pathology/ BONE DISEASES, physiopathology/ BONE RESORPTION/ CARCINOMA, complications/ FEMALE/ HOMEOSTASIS/ HUMAN/ HYDROCORTIS adverse effects/ HYPERPARATHYROIDIS complications/ HYPOPARATHYROIDISM, complications/ MENOPAUSE/ MITOSIS/ MODELS, BIOLOGICAL/ OSTEITIS DEFORMANS, metabolism/ OSTEOBLAST OSTEOCLASTS/ OSTEOCYTES/ OSTEOPOROSIS, chemically induced/ OSTEOPOROSIS, metabolism/ REVIEW/ SURFACE PROPERTIES/ THYROID NEOPLASMS, complications

3158. **Ratcliffe J**: Chalk-eating and hypercalcaem
Lancet 2:106, 14 Jul 73
*CALCIUM/ HUMAN/ *HYPERCALCEMIA SULFATES

3159. **Ratcliffe JG, Knight RA, Besser GM, et al**: Tum plasma ACTH concentrations in patients wi without the ectopic ACTH syndrome.
Clin Endocrinol (Oxf) 1:27-44, Jan 72
ADOLESCENCE/ ADULT/ AGED/ *CARCINOMA, BRONCHOGENIC, metabol CARCINOMA, OAT CELL, metabolism/ CARCINOMA, OAT CELL, pathology/ CORTICOTROPIN, blood/ *CORTICOTRO metabolism/ CORTICOTROPIN, secretion/ *CYLINDROMA, metabolism/ CYLINDRO pathology/ FEMALE/ HORMONES, ECTO blood/ *HORMONES, ECTOPIC, metaboli HUMAN/ *LUNG NEOPLASMS, metaboli LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

3160. **Rathenberg R, Müller D**: X and Y chromosome and disjunction in a male mouse with a sex-chromosome constitution.
Cytogenet Cell Genet 12:87-92, 1973
ANIMAL EXPERIMENTS/ *CHROMOSOM ABERRATIONS/ MALE/ MEIOSIS/ MICE MICE, INBRED STRAINS/ MITOSIS/ *SE CHROMOSOMES/ SPERMATOZOA, cytolo

3161. **Rauen HM, Schriewer H, Ferrié F**: Alkylans-Alkylandum-Reaktionen. 9. Seroton Serotinin-Antagonisten, Histamin und Antihistaminika als Antialkylantien.
Australas Radiol 22:1748-51, Oct 72
ALKYLATION/ ANIMAL EXPERIMENTS ANTIDOTES/ *ANTIHISTAMINICS, thera use/ CHLORPHENOXAMINE, therapeutic CREATININE/ ENGLISH ABSTRACT/ ERGOLINES, therapeutic use/ *HISTAMI therapeutic use/ MALATES, therapeutic MALE/ METHYSERGIDE, therapeutic us MICE/ *MUSTARD COMPOUNDS, poisoni PIPERIDINES, therapeutic use/ POISONI drug therapy/ POISONING, prevention & control/ PYRAZOLES, therapeutic use/ PYRROLIDINES, therapeutic use/ *SEROTONIN, antagonists & inhibitors/ *SEROTONIN, therapeutic use

3162. **Rauluszkiewicz S, Ziemiński R**: Płodność k świetle badań cytogenetycznych.
Pol Arch Weter 15:713-8, 1972
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CYTOGENETICS/ ENGLISH ABSTRACT/ FEMALE/ *FERTILITY/ POLAND/ PREGNANCY/ *SEX CHROMA analysis/ SEX CHROMOSOME ABNORMALITIES, veterinary/ SEX CHROMOSOMES, analysis

3163. **Ravina JH**: Gestagènes et cancers du corps
Nouv Presse Med 2:1665-6, 16 Jun 73
AGE FACTORS/ CELLS, CULTURED/ D SYNERGISM/ FEMALE/ HUMAN/ *MEDROXYPROGESTERONE, therapeutic NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL, drug therapy/ NEOPLASMS, EXPERIMENTAL, drug th *PROGESTERONE, therapeutic use/ PROGNOSIS/ RECEPTORS, HORMONE/ *UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, radiotherapy

3164. **Ravitch MM**: The nonoperative treatment of conditions in children. Pediatrics 57:435-53,

LIBRARY OF THE

ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, therapy/ ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ CARDIOSPASM, therapy/ CHILD/ CHILD, PRESCHOOL/ DIAPHRAGMATIC HERNIA, therapy/ DILATATION/ ENEMA/ ESOPHAGEAL ATRESIA, therapy/ FACIAL NEOPLASMS, drug therapy/ FEMALE/ FOREIGN BODIES, therapy/ *GASTROINTESTINAL DISEASES, therapy/ HEART DISEASES, therapy/ HEMANGIOMA, drug therapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTESTINAL OBSTRUCTION, therapy/ INTUSSUSCEPTION, therapy/ MALE/ PIERRE ROBIN SYNDROME, therapy/ PNEUMOPERITONEUM, ARTIFICIAL/ PREDNISOLONE, therapeutic use/ SPLENIC RUPTURE, therapy/ TRACTION/ WOUNDS AND INJURIES, therapy

avona H, Snapir N, Perek M: Histological changes of the pituitary gland in cockerels bearing basal hypothalamic lesions and demonstration of its anti-HCG immunofluorescence reacting cells. Gen Comp Endocrinol 20:490-7, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ *CHICKENS, physiology/ COMB AND WATTLES, anatomy & histology/ FLUORESCENT ANTIBODY TECHNIC/ GONADOTROPINS, CHORIONIC/ *HYPOTHALAMUS, physiology/ LH, analysis/ *LH, secretion/ MALE/ MAMMILLARY BODIES, physiology/ ORGAN WEIGHT/ *PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ TESTIS, anatomy & histology

awlinson DG: Electron microscopy of an ACTH-secreting islet cell carcinoma. Cancer 31:1015-9, Apr 73
AGED/ *CORTICOTROPIN, secretion/ CYTOPLASMIC GRANULES/ *HORMONES, ECTOPIC, secretion/ HUMAN/ HYDROCORTISONE, secretion/ ISLET CELL TUMOR, metabolism/ *ISLET CELL TUMOR, pathology/ MALE/ MICROSCOPY, ELECTRON/ NEOPLASM METASTASIS/ PANCREATIC NEOPLASMS, metabolism/ *PANCREATIC NEOPLASMS, pathology/ STAINS AND STAINING

awls WE: Summary of informal discussion of part 3 of genital herpesvirus and of in vivo animal studies. Cancer Res 33:1511-4, Jun 73
ADULT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ CARCINOMA IN SITU, etiology/ *CERVIX NEOPLASMS, etiology/ CERVIX NEOPLASMS, immunology/ COITUS/ DNA, metabolism/ ESTROGENS, physiology/ FEMALE/ HERPES SIMPLEX, complications/ *HERPESVIRUS HOMINIS/ HERPESVIRUS HOMINIS, immunology/ HERPESVIRUS HOMINIS, isolation & purification/ HUMAN/ MALE/ PREGNANCY/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ SEX BEHAVIOR/ SPERMATOZOA

y P, Chatterjee A: Reserpine, adrenalectomy and the eversal of the early action of cadmium on scrotal and ryptorchid testes in the rat. Reprod Fertil 33:523-6, Jun 73
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BULBOURETHRAL GLANDS, pathology/ *CADMIUM, toxicity/ CRYPTORCHISM/ MALE/ ORGAN WEIGHT/ RATS/ *RESERPINE, pharmacodynamics/ *TESTICULAR DISEASES, prevention & control/ TESTIS, drug effects/ TESTIS, pathology

y PK, Banerjee RK, Datta AG: A new biochemical ffect of erythropoietin. Biochem Biophys Res Commun 52:1320-8, 19 Jun 73
CHEMISTRY/ DIIODOTYROSINE, chem synthesis/ ENZYME ACTIVATION/ *ERYTHROPOIETIN/ ERYTHROPOIETIN, antagonists & inhibitors/ ERYTHROPOIETIN, blood/ ERYTHROPOIETIN, urine/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN PEROXIDE/ IODINE/ IODINE ISOTOPES/ *IODOTYROSINE, chem synthesis/ LACTATES/ NEURAMINIDASE/ *PEROXIDASES/ PLANTS, enzymology/ SHEEP/ THYROTROPIN/ TYROSINE

3170. **Ray TK, Forte JG:** Studies on phosphodiesterase from oxyntic cells of bullfrog gastric mucosa. I. Intracellular localization, partial purification, and properties. Arch Biochem Biophys 155:24-31, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CHEMISTRY/ CHOLINE, pharmacodynamics/ FROGS/ GASTRIC MUCOSA, cytology/ *GASTRIC MUCOSA, enzymology/ HISTAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MAGNESIUM, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ *PHOSPHODIESTERASES/ PHOSPHODIESTERASES, isolation & purification/ PHOSPHODIESTERASES, metabolism/ RANA CATESBEIANA/ SULFHYDRYL COMPOUNDS, metabolism/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

3171. **Raynaud A:** Effect of sex hormones on development of urogenital system in reptile embryos. Sov J Dev Biol 3:396-406, Sep-Oct 72
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EMBRYO, drug effects/ *ESTRADIOL, pharmacodynamics/ ESTRADIOL, therapeutic use/ FEMALE/ *FEMINIZATION, drug therapy/ *LIZARDS, embryology/ MALE/ MULLERIAN DUCTS, anatomy & histology/ *OVUM, drug effects/ *SEX DIFFERENTIATION DISORDERS, drug therapy/ TESTIS, anatomy & histology/ *TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use/ *UROGENITAL SYSTEM, drug effects/ WOLFFIAN DUCT, anatomy & histology

3172. **Raz A:** Metabolities formed after intravenous administration of free or albumin-bound prostaglandin E 2 in the rat. FEBS Lett 27:245-7, 1 Nov 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ INJECTIONS, INTRAVENOUS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROTEIN BINDING/ RATS/ *SERUM ALBUMIN/ TIME FACTORS/ TRITIUM

3173. **Raz S, Zeigler M, Caine M:** The effect of progesterone on the adrenergic receptors of the urethra. Br J Urol 45:131-5, Apr 73
ANIMAL EXPERIMENTS/ DOGS/ FEMALE/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PRESSURE/ *PROGESTERONE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *URETHRA, drug effects/ URINARY CATHETERIZATION

3174. **Razdan MK, Bhide NK:** Effect of oral contraceptives on the cotton pellet-induced granuloma in rats. J Indian Med Assoc 60:3-4, 1 Jan 73
ABDOMEN/ ANIMAL EXPERIMENTS/ AXILLA/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ COTTON/ EMBOLISM, chemically induced/ FEMALE/ GRANULOMA, etiology/ GRANULOMA, prevention & control/ MALE/ RATS

3175. **Răzeşu V, Iacomi G, Negoiţă D, et al:** Testicul ectopic malignizat. Chirurgia (Bucur) 22:535-8, Jun 73 (Rum)
ADOLESCENCE/ ADULT/ *DISGERMINOMA/ ENGLISH ABSTRACT/ HUMAN/ MALE/

*TESTICULAR NEOPLASMS/ *TESTIS, abnormalities

3176. **Read WO:** Regional physiology of the nervous system. Prog Neurol Psychiatry 27:35-49, 1972 (154 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AROUSAL, drug effects/ BODY TEMPERATURE REGULATION/ CATECHOLAMINES, pharmacodynamics/ DRINKING BEHAVIOR/ EMOTIONS/ FEEDING BEHAVIOR/ HUMAN/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ MOTOR ACTIVITY/ *NERVOUS SYSTEM, physiology/ NEURAL TRANSMISSION, drug effects/ PINEAL BODY, physiology/ REVIEW/ SENSATION/ SYNAPSES, drug effects

3177. **Rebière A:** Aspects quantitatifs de la synaptogenèse dans le cervelet du rat sous-alimenté dès la naissance. Comparison avec l'animal rendu hypothyroïdien. C R Acad Sci [D] (Paris) 276:2317-20, 9 Apr 73 **(Fre)**
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CEREBELLAR CORTEX, cytology/ CEREBELLAR CORTEX, pathology/ *DEFICIENCY DISEASES/ *HYPOTHYROIDISM, pathology/ RATS/ *SYNAPSES

3178. **Rebora A, Marples RR, Kligman AM:** Experimental infection with Candida albicans. Arch Dermatol 108:69-73, Jul 73
ADULT/ *CANDIDA ALBICANS/ CANDIDA ALBICANS, growth & development/ CANDIDA ALBICANS, isolation & purification/ CAUCASIAN RACE/ DERMATITIS, ATOPIC, complications/ HUMAN/ MALE/ METHODS/ MODELS, BIOLOGICAL/ MONILIASIS, CUTANEOUS, complications/ MONILIASIS, CUTANEOUS, drug therapy/ *MONILIASIS, CUTANEOUS, microbiology/ NEGROID RACE/ OCCLUSIVE DRESSINGS/ PSORIASIS, complications/ SUNBURN, complications/ TIME FACTORS/ TINEA VERSICOLOR, complications/ TRIAMCINOLONE ACETONIDE, therapeutic use

3179. **Reboud S, Pageaut G:** Rôle de la progestérone dans la carcinogénèse du vagin, du col et de l'endomètre de la souris. Ann Anat Pathol (Paris) 17:187-98, Apr-Jun 72 **(Fre)**
ANIMAL EXPERIMENTS/ *CARCINOMA, EPIDERMOID, chemically induced/ CARCINOMA, EPIDERMOID, pathology/ *CERVIX NEOPLASMS, chemically induced/ ENDOMETRIUM/ ENGLISH ABSTRACT/ FEMALE/ METHYLCHOLANTHRENE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *PROGESTERONE, pharmacodynamics/ RATS/ *UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, pathology/ *VAGINAL NEOPLASMS, chemically induced/ VAGINAL NEOPLASMS, pathology

3180. **Reddick LP, Myers RT:** Neurilemmoma of the cervical portion of the vagus nerve. A collective review and two case reports. Am J Surg 125:744-7, Jun 73
ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ CAROTID BODY TUMOR, diagnosis/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LIPOMA, diagnosis/ LYMPHATIC DISEASES, diagnosis/ MALE/ MIDDLE AGE/ NERVE REGENERATION/ *NEURILEMMOMA/ NEURILEMMOMA, diagnosis/ NEURILEMMOMA, surgery/ PAROTID NEOPLASMS, diagnosis/ *PERIPHERAL NERVE NEOPLASMS/ PERIPHERAL NERVE NEOPLASMS, diagnosis/ PERIPHERAL NERVE NEOPLASMS, surgery/ SALIVARY GLAND NEOPLASMS, diagnosis/ THYROID NEOPLASMS, diagnosis/ VAGOTOMY/ *VAGUS NERVE

3181. **Reddy GS, Sastry JG, Rao BS:** Radiographic photodensitometric assessment of bone density changes in rats and rabbits subjected to nutritional stresses. Indian J Med Res 60:1807-15, Dec 72
ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ *CALCIUM, DIETARY/ DEFICIENCY DISEASES, metabolism/ DENSITOMETRY/ DENSITOMETRY, X-RA FEMUR, drug effects/ FEMUR, metaboli *FLUORIDES, pharmacodynamics/ MALE/ *PROTEIN DEFICIENCY, metabolism/ RABBITS/ RATS

3182. **Reddy K, Fletcher B, Tappel A, et al:** Measureme spectral characteristics of fluorescent pigme tissues of rats as a function of dietary polyunsat fats and vitamin E. J Nutr 103:908-15, J
*ADIPOSE TISSUE, metabolism/ ADRENA GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ WEIGHT/ BONE MARROW, metabolism/ BRAIN, metabolism/ *DIETARY FATS/ DOSE-RESPONSE RELATIONSHIP, DRUG EPIDIDYMIS/ *FATS, UNSATURATED, pharmacodynamics/ FISH LIVER OILS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ KIDNEY/ MALE/ MO CHEMICAL/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ OMENTUM/ OXIDATION-REDUCTION/ *PIGMENTS, metabolism/ RATS/ SPLEEN, metabolism VITAMIN E, administration & dosage/ *VITAMIN E, pharmacodynamics

3183. **Redel J, Bell P, Delbarre F, et al:** Synth dihydroxy-25,26 cholécalciférol métabolite vitamine D 3. C R Acad Sci [D] (Paris) 276:2907-9, 21 May 7
*CHOLECALCIFEROL, chem synthesis

3184. **Redick JH, Nussbaum AI, Mook DG:** Estradiol i suppression of feeding in the female rat: depe on body weight. Physiol Behav 10:543-7,
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIM BENZOATES/ *BODY WEIGHT, drug eff CASTRATION/ DIET/ *EATING, drug e ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEEDI BEHAVIOR, drug effects/ FEMALE/ HU drug effects/ OBESITY/ OVARY, physio RATS/ SATIATION, drug effects

3185. **Reed JL, Ghodse AH:** Oral glucose toleran hormonal response in heroin-dependent Br Med J 2:582-5, 9 Jun 73
ADOLESCENCE/ ADULT/ BODY WEIGH *DIACETYLMORPHINE/ DIACETYLMORPHINE, administration & dosage/ *DRUG ADDICTION, metabolism FOOD PREFERENCES/ *GLUCOSE TOLERANCE TEST/ *HORMONES, blood HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ LIVER FUNCTION TE MALE/ SOMATOTROPIN, blood/ TIME FACTORS

3186. **Reed RJ, Clark WH, Mihm MC:** The cut mucinoses. Hum Pathol 4:201-5, Jun 73 (2
*COLLAGEN DISEASES, pathology/ DERMATOMYOSITIS, pathology/ GASTROINTESTINAL DISEASES, pathol HUMAN/ INTESTINAL DISEASES, path LIPOCHONDRODYSTROPHY, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ LYMPHEDEMA, pathology/ MUCIN/ MYXEDEMA, pathology/ RETIN PIGMENTOSA, pathology/ REVIEW/ SCLEREDEMA ADULTORUM, pathology/ *SKIN, pathology/ SKIN DISEASES, pat SKIN ULCER, pathology/ THROMBOSIS, pathology

3187. **Reed RJ, Clark WH, Mihm MC:** The cut collagenoses. Hum Pathol 4:165-86, Jun 73 (
ATROPHY/ CALCINOSIS, pathology/ CICATRIX, pathology/ *COLLAGEN DISEASES, pathology/ DIABETES MELL pathology/ EOSINOPHILS/ EPITHELIUM pathology/ GRANULOMA, pathology/ HU HYPERPLASIA/ KERATOACANTHOMA, pathology/ NECROSIS/ OSTEOGENESIS IMPERFECTA, pathology/ REVIEW/ SCLERODERMA, CIRCUMSCRIBED, path

LIBRARY OF THE

SCLERODERMA, SYSTEMIC, pathology/ SCLEROSIS, pathology/ *SKIN, pathology/ SKIN DISEASES, pathology/ SKIN NEOPLASMS, pathology/ TUBEROUS SCLEROSIS, pathology

eve TS, Coupland GA, Hales IB: The effect on serum odine levels of painting tincture of iodine on the skin. Med J Aust 1:891-2, 5 May 73
ALCOHOL, ETHYL/ ANTI-INFECTIVE AGENTS, LOCAL, pharmacodynamics/ HUMAN/ IODINE, administration & dosage/ IODINE, blood/ *IODINE, metabolism/ *SKIN ABSORPTION/ SOLUTIONS/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS

eve TS, Hales IB, Smith KV, et al: Carcinoma of the hyroid in a patient treated with radioiodine for yperthyroidism. Med J Aust 1:993-6, 19 May 73
*CARCINOMA, etiology/ CARCINOMA, PAPILLARY, etiology/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, adverse effects/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED, etiology/ *THYROID NEOPLASMS, etiology

gard E, Mauchamp J: Evolution de l'activité eroxydasique et de l'organification de l'iodure dans glande thyroïde de Xenopus laevis (Daudin) au ours de la métamorphose.
R Acad Sci [D] (Paris) 276:121-3, 3 Jan 73 (Fre)
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ *IODIDES, metabolism/ IODINE ISOTOPES/ LARVA, metabolism/ *METAMORPHOSIS, BIOLOGICAL/ MITOCHONDRIA/ *PEROXIDASES, analysis/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ *XENOPUS, metabolism

golati B, Hotz P: Die Zahnfluorose Eine Erläuterung nhand von 3 klinischen Fällen.
chweiz Monatsschr Zahnheilkd 83:576-86, May 73 (Ger)
ADULT/ AGE FACTORS/ BONE AND BONES, metabolism/ CHILD/ DENTAL ENAMEL, analysis/ DENTIN, analysis/ ENGLISH ABSTRACT/ FLUORIDES, analysis/ FLUORIDES, metabolism/ FLUORIDES, urine/ HUMAN/ *MOTTLED ENAMEL/ WATER, analysis/ WATER SUPPLY

chlin S, Bollinger J, Nejad I, et al: Tissue thyroid rmone concentration of rat and man determined by diommunoassay: biologic significance.
t Sinai J Med NY 40:502-10, May-Jun 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ HUMAN/ HYPOTHERMIA, INDUCED, adverse effects/ PITUITARY GLAND, physiology/ PROPYLTHIOURACIL, pharmacodynamics/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ RATS/ *THYROID HORMONES, metabolism/ THYROTROPIN, secretion/ THYROXINE, analysis/ THYROXINE, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism

d IA, Tu WH, Otsuka K, et al: Studies concerning the gulation and importance of plasma angiotensinogen ncentration in the dog.
ndocrinology 93:107-14, Jul 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDOSTERONE, pharmacodynamics/ *ALPHA GLOBULIN, blood/ ANGIOTENSIN, biosynthesis/ *ANGIOTENSIN AMIDE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ DEXAMETHASONE, pharmacodynamics/ DOGS/ HEMATOCRIT/ MALE/ METHODS/ POTASSIUM, blood/ PROTEIN PRECURSORS, blood/ RENIN, blood/ SODIUM, blood/ TIME FACTORS

d IM: An ultrastructural and morphometric study of e liver of the lactating cow in starvation ketosis.
p Mol Pathol 18:316-30, Jun 73
*ACIDOSIS, pathology/ ANIMAL EXPERIMENTS/ CATTLE/ FATTY LIVER, etiology/ FEMALE/ HISTOCYTOCHEMISTRY/ *LACTATION/ LIPID MOBILIZATION/ LIVER, anatomy & histology/ LIVER, cytology/ *LIVER, pathology/ LIVER GLYCOGEN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PREGNANCY/ *STARVATION, pathology

3195. Reidemeister JC, Isselhard W, Hasselkus W, et al: Die Erholung des Myokards nach Herzstillstand durch extrazellulären Natrium- und Kaliumentzug und durch Procaingabe.
Basic Res Cardiol 68:21-38, Jan-Feb 73 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DOGS/ ENGLISH ABSTRACT/ EXTRACELLULAR SPACE, metabolism/ FEMALE/ HEART ARREST, chemically induced/ HEART ARREST, etiology/ *HEART ARREST, metabolism/ HEART ARREST, INDUCED/ ISCHEMIA/ MALE/ METHODS/ *MYOCARDIUM, metabolism/ PROCAINE, administration & dosage/ RABBITS/ SODIUM, metabolism/ TIME FACTORS

3196. Rein A, Carchman RA, Johnson GS, et al: Simian virus 40 rapidly lowers cAMP levels in mouse cells.
Biochem Biophys Res Commun 52:899-904, 8 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CLONE CELLS/ DNA, biosynthesis/ MICE/ *SV40 VIRUS, metabolism/ TIME FACTORS/ TRITIUM

3197. Reinhardt K: Kontrastdrstellung der Schilddrüse im Röntgenbild, insbesondere die Schilddrüsenlymphographie und deren Einsatz in der Diagnostik zervikaler Lymphoknotenmetasasen.
Roentgenblaetter 26:49-55, Feb 73 (Ger)
ENGLISH ABSTRACT/ HUMAN/ IODIZED OILS/ *LYMPH NODES, radiography/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ NECK, radiography/ TECHNOLOGY, RADIOLOGIC/ THYROGLOSSAL CYST, radiography/ *THYROID GLAND, radiography

3198. Reinharez D: Oestro-progestatifs de synthèse et troubles circulatoires.
Phlebologie 25:243-50, Jul-Sep 72 (Fre)
ADULT/ ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ PROGESTATIONAL HORMONES, adverse effects/ THROMBOPHLEBITIS, occurrence/ VARICOSE VEINS, occurrence/ *VASCULAR DISEASES, chemically induced/ VASCULAR DISEASES, physiopathology

3199. Reinhold K, Bläsig J, Herz A: Changes in brain concentration of biogenic amines and the antinociceptive effect of morphine in rats.
Naunyn Schmiedebergs Arch Pharmacol 278:69-80, 17 May 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ CATECHOLAMINES, metabolism/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DOPAMINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ MORPHINE, antagonists & inhibitors/ MORPHINE, metabolism/ *MORPHINE, pharmacodynamics/ NOREPINEPHRINE, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ PAIN/ RATS/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ THIOCARBAMATES, pharmacodynamics/ TIME FACTORS/ VOCALIZATION, ANIMAL, drug effects

3200. Reinwein D: Achillessehnenreflexzeit in der Schilddrüsendiagnostik.

U.S. ... URBANA-CHAMPAIGN

Dtsch Med Wochenschr 98:1048, 18 May 73 (Ger)
*ACHILLES TENDON/ HUMAN/ HYPOTHYROIDISM, diagnosis/ METHODS/ REACTION TIME/ *REFLEX, TENDON/ *THYROID DISEASES, diagnosis

3201. **Reinwein D:** Die schilddrüsenfunktion von Diabetikern bei langfristiger Anwendung von Glibornurid.
Arzneim Forsch 22:Suppl 12a:2221-, Dec 72 (Ger)
ANTIDIABETICS, adverse effects/ *ANTIDIABETICS, pharmacodynamics/ BORNANES, adverse effects/ BORNANES, pharmacodynamics/ CARBUTAMIDE, pharmacodynamics/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ GLIBENCLAMIDE, pharmacodynamics/ GOITER, chemically induced/ HUMAN/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ SULFONYLUREA COMPOUNDS, adverse effects/ *SULFONYLUREA COMPOUNDS, pharmacodynamics/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ TOLBUTAMIDE, pharmacodynamics

3202. **Reiss E, Canterbury JM:** Blood levels of parathyroid hormone in disorders of calcium metabolism.
Annu Rev Med 24:217-32, 1973 (103 ref.)
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ *CALCIUM METABOLISM DISORDERS, blood/ GUINEA PIGS/ HUMAN/ PARATHYROID DISEASES, blood/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, biosynthesis/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, immunology/ PARATHYROID NEOPLASMS, blood/ RADIOIMMUNOASSAY/ REVIEW/ RICKETS, blood/ SARCOIDOSIS, blood

3203. **Reiter RJ:** Comparative effects of continual lighting and pinealectomy on the eyes, the Harderian glands and reproduction in pigmented and albino rats.
Comp Biochem Physiol [A] 44:503-9, 1 Feb 73
S-ADENOSYLMETHIONINE/ ALBINISM/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *EYE, radiation effects/ FEMALE/ *LACRIMAL APPARATUS, radiation effects/ LIGHT/ METHYLTRANSFERASES, metabolism/ MICROSCOPY/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, radiation effects/ PHOTORECEPTORS/ PIGMENTATION/ PINEAL BODY, enzymology/ PINEAL BODY, physiology/ PREGNANCY/ RADIATION EFFECTS/ RATS/ *REPRODUCTION, radiation effects/ RETINA, anatomy & histology/ RETINA, radiation effects/ SEROTONIN/ SPECIES SPECIFICITY/ UTERUS, radiation effects

3204. **Reiter RJ:** Comparative physiology: pineal gland.
Annu Rev Physiol 35:305-28, 1973 (108 ref.)
AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CONVULSIONS/ ELECTROENCEPHALOGRAPHY/ ELECTROPHYSIOLOGY/ FEMALE/ FSH, secretion/ GONADOTROPINS, PITUITARY, secretion/ GONADS, drug effects/ HAMSTERS/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, secretion/ MALE/ MELATONIN, pharmacodynamics/ NOREPINEPHRINE, metabolism/ OVULATION, drug effects/ PARATHYROID GLANDS, physiology/ PERIODICITY/ PHOTIC STIMULATION/ PHYSIOLOGY, COMPARATIVE/ *PINEAL BODY, physiology/ PROLACTIN, secretion/ RABBITS/ RATS/ REPRODUCTION/ REVIEW/ SEASONS/ SEROTONIN, metabolism/ SLEEP

3205. **Renauld A, Pinto JE, Sverdlik RC, et al:** Studies on the effect of thyroidectomy on the insulin response to hyperglycaemia in the dog.
Acta Physiol Lat Am 23:29-36, 1973
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ BODY WEIGHT, drug effects/ COMPARA STUDY/ DOGS/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE TOLERANCE TEST/ *HYPOTHYROIDISM drug therapy/ INJECTIONS, INTRAVEN *INSULIN, blood/ MALE/ *THYROIDECT *THYROXINE, therapeutic use/ TIME FACTORS

3206. **Renner R:** Evidence for an insulin receptor in
FEBS Lett 32:87-90, 15 May 73
ANIMAL EXPERIMENTS/ BIGUANIDES, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BUTYLAMINES, pharmacodynamics/ DIAPHRAGM, metab GLUCOSE, metabolism/ GLYCOGEN, metabolism/ GUANIDINES, pharmacodyn IN VITRO/ *INSULIN, metabolism/ INSU pharmacodynamics/ MALE/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMO metabolism/ PLANTS/ RATS/ *RECEPT HORMONE/ SERUM ALBUMIN, pharmacodynamics/ TIME FACTORS/ TRYPSIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics

3207. **Renner R, Hepp KD, Humbel RE, et al:** Mecha the antilipolytic action of NSILA-S: inhibi adenylate cyclase activity in lipocyte gh
Horm Metab Res 5:56-7, Jan 73
*ADENYL CYCLASE, antagonists & inhi ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ CATTLE/ CELL MEMBRANE, enzymology/ DOSE-RESPO RELATIONSHIP, DRUG/ INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ *INSULIN ANTIBOD INSULIN ANTIBODIES, administration dosage/ LIPIDS, metabolism/ MOLECUL WEIGHT/ NOREPINEPHRINE, administr & dosage/ NOREPINEPHRINE, pharmacodynamics/ SERUM ALBUMIN, BOVINE, pharmacodynamics

3208. **Resko JA, Malley A, Begley D, et al:** Radioimmu of testosterone during fetal development rhesus monkey.
Endocrinology 93:156-61,
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIM BLOOD/ CASTRATION/ CHROMATOGR THIN LAYER/ FEMALE/ GESTATIONA AGE/ MACACA/ MALE/ METHODS/ MONKEYS/ OVARY, physiology/ RABBI immunology/ *RADIOIMMUNOASSAY/ S FACTORS/ TESTIS, physiology/ *TESTOSTERONE, blood/ TRITIUM/ UMBILICAL CORD

3209. **Reuter H:** Divalent cations as charge car excitable membranes.
Prog Biophys Mol Biol 26:1-43, 1973 (2
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ AXONS, physiology/ B metabolism/ CALCIUM, metabolism/ *CATIONS, DIVALENT/ CELL MEMBR PERMEABILITY/ CRUSTACEA/ FROGS GANGLIA, AUTONOMIC, physiology/ G PIGS/ HEART CONDUCTION SYSTEM, physiology/ MAGNESIUM, metabolism/ *MEMBRANE POTENTIALS/ MOLLUSC MUSCLE, SMOOTH, physiology/ MUSCL physiology/ NEURONS, physiology/ POTASSIUM, metabolism/ REVIEW/ SO metabolism/ STRONTIUM, metabolism/ SYNAPSES, physiology/ TETRODOTOXI pharmacodynamics

3210. **Reuter LA, Lisk RD:** Progesterone-sensitive blockade of ovulation in the hamster.
Neuroendocrinology 12:17-29, 1973
ANIMAL EXPERIMENTS/ FEMALE/ HAMSTERS/ *HYPOTHALAMUS, drug MAMMILLARY BODIES, drug effects/ *OVULATION, drug effects/ *PITUITA GLAND, drug effects/ *PROGESTERON administration & dosage/ PROGESTERO pharmacodynamics/ STEREOTAXIC TE SUPERIOR COLLICULUS, drug effects/ TEGMENTUM MESENCEPHALI, drug e

LIBRARY

UNIVERSITY OF ILLINOIS LIBRARY URBANA-CHAMPAIGN

*TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics

Révész T, Schuler D, Goldschmidt B, et al: Lyonisatio, mint a haemophilia B elöfordulásának valószínü oka leánygyermeken. Orv Hetil 114:1603-8, 8 Jul 73 (Hun)
BLOOD GROUPS/ CHILD, PRESCHOOL/ *CHRISTMAS DISEASE, familial & genetic/ DISEASES IN TWINS/ FEMALE/ GENE FREQUENCY/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ INFANT/ MALE/ PEDIGREE/ *SEX CHROMOSOME ABNORMALITIES

Rey-Stocker I: Grossesse et contraception de l'adolescente.
Schweiz Med Wochenschr 103:1008-12, 14 Jul 72 (Fre)
ADOLESCENCE/ AGE FACTORS/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, POSTCOITAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT MORTALITY/ INTRAUTERINE DEVICES/ JURISPRUDENCE/ MATERNAL AGE/ *PREGNANCY/ SEX EDUCATION/ SWITZERLAND

Reyes FI, Winter JS, Faiman C: Studies on human sexual development. I. Fetal gonadal and adrenal sex steroids. J Clin Endocrinol Metab 37:74-8, Jul 73
*ADRENAL GLANDS, analysis/ BINDING, COMPETITIVE/ BODY HEIGHT/ *ESTRADIOL, analysis/ FEMALE/ FETUS/ GESTATIONAL AGE/ HUMAN/ MALE/ ORGAN WEIGHT/ *OVARY, analysis/ RADIOIMMUNOASSAY/ SEX CHARACTERISTICS/ *TESTIS, analysis/ *TESTOSTERONE, analysis/ TRITIUM

Reynier J: Surgery in Graves' disease: analysis after operation on 1,265 goiters. Int Surg 58:456-7, Jul 73
AGE FACTORS/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, surgery/ HEMATOMA, etiology/ HUMAN/ HYPOTHYROIDISM, etiology/ NECK, injuries/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ SURGICAL WOUND INFECTION/ TACHYCARDIA, etiology/ TETANY, etiology/ TIME FACTORS/ VOCAL CORD PARALYSIS, etiology

Reznichenko FM, Kiseleva ES: Nekotorye osobennosti kliniki raka shchitovidnoĭ zhelezy v detskom i iunosheskom vozraste. Pediatriia 52:54-8, Jan 73 (Rus)
*ADENOCARCINOMA, diagnosis/ ADOLESCENCE/ ADULT/ *CARCINOMA, PAPILLARY, diagnosis/ CHILD/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS/ *SARCOMA, diagnosis/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, diagnosis

Reznikov AG: Podavlenie sekretsii pregnenolona i kortikosteroidov u sobak pri vozdeistvii o,p'-DD. Probl Endokrinol (Mosk) 19:71-5, Mar-Apr 73 (Rus)
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, blood/ *ADRENAL CORTEX HORMONES, secretion/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, analysis/ *DDD, pharmacodynamics/ DIET/ DOGS/ ENGLISH ABSTRACT/ FLUORESCENCE/ HYDROCORTISONE, analysis/ INJECTIONS, INTRAVENOUS/ PREGNENOLONE, blood/ *PREGNENOLONE, secretion/ SPECTROPHOTOMETRY/ ULTRAVIOLET RAYS

Rezvani I, Maddaiah VT, Collipp PJ, et al: Kinetics of uptake and subcellular distribution of human growth hormone in liver slices. Biochem Med 7:432-40, Jun 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CATTLE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ HUMAN/ HYPOPHYSECTOMY/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ NITRATES, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ *SOMATOTROPIN, metabolism/ SOMATOTROPIN, pharmacodynamics/ SPECIES SPECIFICITY/ TRITIUM

3218. Ricci A: Il rischio di danni biologici da radiazioni ionizzanti.
Minerva Med 64:1320-33, 18 Apr 73 (Ita)
ADULT/ AGED/ BONE MARROW, radiation effects/ ENGLISH ABSTRACT/ FEMALE/ FERTILITY, radiation effects/ GONADS, radiation effects/ HEMATOPOIESIS, radiation effects/ HUMAN/ INFANT, NEWBORN/ LEUKEMIA, RADIATION-INDUCED/ MALE/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED/ PREGNANCY/ *RADIATION EFFECTS/ RADIATION GENETICS/ *RADIATION INJURIES/ RADIATION MONITORING/ *RADIATION PROTECTION/ RADIOACTIVE FALLOUT/ RADIOGRAPHY/ RADIOTHERAPY DOSAGE

3219. Ricciardi M: Nuovi orientamenti nella diagnosi e terapia del cancro mammario.
Minerva Med 64:1306-19, 18 Apr 73 (Ita)
ANTINEOPLASTIC AGENTS, therapeutic use/ BIOPSY/ *BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, radiography/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ CASTRATION/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ GYNECOMASTIA, chemically induced/ HUMAN/ MALE/ MAMMOGRAPHY/ MASTECTOMY/ PALPATION

3220. Rice GG: Hypermenorrhea in the young hemodialysis patient. Am J Obstet Gynecol 116:539-43, 15 Jun 73
ADOLESCENCE/ ADULT/ CESIUM ISOTOPES, therapeutic use/ COBALT ISOTOPES, therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ CURETTAGE/ DILATATION/ ESTROGENS, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ *HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ *MENSTRUATION DISORDERS, complications/ MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, radiotherapy/ MENSTRUATION DISORDERS, surgery/ MIDDLE AGE/ NITROGEN, blood/ PROGESTERONE, therapeutic use/ QUESTIONNAIRES/ UREMIA, complications

3221. Rice RW, Campbell JF: Effects of neocortical ablations on eating elicited by hypothalamic stimulation. Exp Neurol 39:359-71, Jun 73
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ *CEREBRAL CORTEX, physiology/ CEREBRAL CORTEX DECORTICATION/ CONSUMMATORY BEHAVIOR/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR/ FRONTAL LOBE, physiology/ *HYPOTHALAMUS, physiology/ MALE/ MOTIVATION/ RATS

3222. Richens ER, Gough KR, Williams MJ: Leucocyte migration studies with spleen preparations in Crohn's disease. Gut 14:376-9, May 73
ADOLESCENCE/ ADULT/ AGED/ ANTIGENS/ AZATHIOPRINE, therapeutic use/ CELL MOVEMENT/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, immunology/ *ENTERITIS, REGIONAL, pathology/ FEMALE/ HUMAN/ LEUKOCYTES, cytology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ *SPLEEN, pathology

3223. Riddell V: The recurrent laryngeal nerve and thyroidectomy. Lancet 1:1190, 26 May 73
ELECTRIC STIMULATION/ HUMAN/ *LARYNGEAL NERVES, physiology/ *THYROIDECTOMY/ VOCAL CORDS, physiology

3224. Riekkinen PJ, Rinne UK, Pelliniemi TT, et al: Lipid composition on substantia nigra in Parkinson's

disease. Acta Neurol Scand [Suppl] 51:133-5, 1972
ADRENAL MEDULLA, analysis/ AUTOPSY/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ *LIPIDS, analysis/ *PARKINSONISM, pathology/ PHOSPHOLIPIDS, analysis/ *SPHINGOLIPIDS, analysis/ *SUBSTANTIA NIGRA, analysis

3225. **Riggs BL, Ryan RJ, Wahner HW, et al:** Serum concentrations of estrogen, testosterone, and gonadotropins in osteoporotic and nonosteoporotic postmenopausal women.
J Clin Endocrinol Metab 36:1097-9, Jun 73
CLIMACTERIC/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *OSTEOPOROSIS, blood/ *TESTOSTERONE, blood

3226. **Rikimaru A, Maruyama T, Shirai M, et al:** Pressure recording of contraction of the dog testis.
Tohoku J Exp Med 108:305-6, Nov 72
ANIMAL EXPERIMENTS/ DOGS/ ELECTRIC STIMULATION/ MALE/ *MUSCLE CONTRACTION/ *PRESSURE/ SPERMATOZOA, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology/ *TESTIS, physiology

3227. **Rikimaru A, Shirai M:** Responses of the human testicular capsule to electrical stimulation and to autonomic drugs. Tohoku J Exp Med 108:303-4, Nov 72
ACETYLCHOLINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ BRETYLIUM COMPOUNDS, pharmacodynamics/ ELECTRIC STIMULATION/ HUMAN/ IN VITRO/ MALE/ MUSCLE CONTRACTION/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ TESTIS, drug effects/ *TESTIS, physiology/ TETRODOTOXIN, pharmacodynamics

3228. **Rikimaru A, Suzuki T:** Mechanical responses of the isolated rabbit testis to electrical stimulation and to autonomic drugs. Tohoku J Exp Med 108:283-9, Nov 72
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BRETYLIUM COMPOUNDS, pharmacodynamics/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ GANGLIONIC STIMULANTS, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PIPERAZINES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RABBITS/ TESTIS, drug effects/ *TESTIS, physiology/ TETRODOTOXIN, pharmacodynamics

3229. **Rillema JA:** Early actions of prolactin on uridine metabolism in mammary gland explants.
Endocrinology 92:1673-9, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASEIN, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EXTRACELLULAR SPACE/ FEMALE/ HYDROCORTISONE/ INULIN/ *MAMMAE, metabolism/ MICE/ MICE, INBRED BALB C/ PREGNANCY/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ RNA, biosynthesis/ TIME FACTORS/ TRITIUM/ *URIDINE, metabolism

3230. **Rillema JA, Kostyo JL, Gimpel LP:** Inhibition of metabolic effects of growth hormone by various inhibitors of cyclic nucleotide phosphodiesterase.
Biochim Biophys Acta 297:527-39, 28 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ DIAPHRAGM, metabolism/ FEMALE/ GLUCOSE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTIDINE, pharmacodynamics/ HYPOPHYSECTOMY, IMIDAZOLES, pharmacodynamics/ INSUL pharmacodynamics/ LEUCINE, metabolis *PAPAVERINE, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PITUITARY GLAND, physiol PROTEINS, biosynthesis/ *QUININE, pharmacodynamics/ RATS/ *SOMATOTR metabolism/ SOMATOTROPIN, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics/ TRITIUM

3231. **Rimbaud P, Meynadier J, Guilhou JJ, et al:** A pr troubles immunologiques et biochimiques psoriasis. Nouv Presse Med 1:2836, 25 Nov *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANTI-ANTIBODIES, analysis/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDRO complications/ METHODS/ *PSORIASIS/ PSORIASIS, immunology/ PSORIASIS, metabolism

3232. **Ringoir SM, Leedham PW, Cullum PA:** Tissue dehydrogenase in cardiac transplantation effect of azathioprine.
Transplantation 15:354-8, Apr 73
ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, analysis/ ASPA AMINOTRANSFERASE, blood/ *AZATHIOPRINE, pharmacodynamics/ GRAFT VS HOST REACTION/ HEART, effects/ *HEART, transplantation/ HYDROCORTISONE, pharmacodynamics/ IMMUNOSUPPRESSION/ ISCHEMIA/ *LACTATE DEHYDROGENASE, analysis LACTATE DEHYDROGENASE, blood/ LACTATE DEHYDROGENASE ISOENZY analysis/ LACTATE DEHYDROGENASE ISOENZYMES, blood/ *MYOCARDIUM, enzymology/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3233. **Rinne UK, Sonninen V, Stirtola T:** Acid m metabolites in the cerebrospinal fluid of Park patients treated with levodopa alone or with a decarboxylase inhibitor.
Eur Neurol 9:349-62, 1973
ADULT/ AGED/ CARBOXY-LYASES, antagonists & inhibitors/ DOPA, admin & dosage/ DOPA, adverse effects/ *D therapeutic use/ DOPAMINE, metaboli DOSE-RESPONSE RELATIONSHIP, DR DRUG SYNERGISM/ EVALUATION ST FEMALE/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ *HYDRA therapeutic use/ *HYDROXYINDOLEAC ACID, cerebrospinal fluid/ LIBIDO, dr effects/ MALE/ MIDDLE AGE/ PARKINSONISM, cerebrospinal fluid/ *PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ *PHENYLACETATES, cerebrospinal flu PROBENECID, therapeutic use/ SERO metabolism

3234. **Ritter G, Grünert A:** Experimentelle Untersu zu den mechanischen Eigenschaften des Kno Hinblick auf die Druckosteosynthesen.
Arch Orthop Unfallchir 75:302-16, 7 May
ADULT/ AGED/ AUTOPSY/ *BONE A BONES, physiology/ ENGLISH ABSTR FEMUR, physiology/ FRACTURE FIXA HUMAN/ HUMERUS, physiology/ IMMOBILIZATION/ MIDDLE AGE/ PRESSURE/ *STRESS, MECHANICAL/ physiology

3235. **Ritz E, Krempien B, Mehls O, et al:** complications of renal insufficiency and mai haemodialysis. Nephron 10:195-207, 1973
ADULT/ ANIMAL EXPERIMENTS/ BO AND BONES, radiography/ *BONE DIS etiology/ CALCIUM, metabolism/ CHI DENSITOMETRY, X-RAY/ EPIPHYSES & development/ FEMALE/ FETAL DI etiology/ *HEMODIALYSIS, adverse ef

LIBRARY OF

HUMAN/ ILIUM, pathology/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ RATS/ RENAL OSTEODYSTROPHY, etiology/ SPINE, pathology/ TIBIA, growth & development/ UREMIA, complications

ivadeneyra J, González-Angulo A, Cortés-Gallegos V, et al: Adenocarcinoma gástrico con diferenciación trofoblástica y producción de gonadotrofinas. Arch Invest Med (Mex) 3:503-12, 1972 (Spa) *ADENOCARCINOMA, physiopathology/ ADENOCARCINOMA, surgery/ ADULT/ CHORIOCARCINOMA, physiopathology/ GASTRECTOMY/ *GONADOTROPINS, CHORIONIC, secretion/ GYNECOMASTIA, etiology/ *HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ POSTOPERATIVE COMPLICATIONS/ PROGESTERONE, blood/ *STOMACH NEOPLASMS, physiopathology/ STOMACH NEOPLASMS, surgery/ TESTOSTERONE, blood

venzon A: L'érythroblastémie permanente des rats Wister-Furth.
C R Soc Biol (Paris) 166:257-8, 9 Nov 72 (Fre) ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ FEMALE/ LEUKEMIA, EXPERIMENTAL, blood/ LYMPHOMA, blood/ MALE/ *NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL, blood/ PITUITARY NEOPLASMS, blood/ RATS/ *RATS, INBRED STRAINS/ RATS, INBRED WF/ SEX FACTORS

vera Damm R, Del Rosario Ruiz M, Del Rosario Alonso M, et al: Determinación Simultánea de los niveles de excretión urinaria de hormonas luteinizante, pregnandiol, pregnantriol, 17-hidroxicorticoides y 17-cetosteroides durante el ciclo menstrual normal y sin implicaciones clínicas. Ginecol Obstet (Lima) 33:301-11, Mar 73 (Spa) ENGLISH ABSTRACT/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *LH, urine/ *MENSTRUATION/ METHODS/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ TIME FACTORS

vier J, Vale W, Burgus R, et al: Synthetic luteinizing hormone-releasing factor analogs. Series of short-chain amide LRF homologs converging to the amino terminus. J Med Chem 16:545-9, May 73 AMIDES, chem synthesis/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ FSH, secretion/ *LH/ LH, secretion/ PEPTIDE CHAIN TERMINATION/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics

viere HB, Cooper EL: Thyroxine-induced regression of tadpole lymph glands.
Proc Soc Exp Biol Med 143:320-2, Jun 73 ANIMAL EXPERIMENTS/ FROGS/ IN VITRO/ LARVA/ *LYMPHOID TISSUE, drug effects/ LYMPHOID TISSUE, embryology/ METAMORPHOSIS, BIOLOGICAL/ *RANA CATESBEIANA, embryology/ *THYROXINE, pharmacodynamics

zoli AA, Galzigna L: Rilievi enzimologici e chimico-clinici nelle sindromi schizofreniche. Quad Sclavo Diagn 8:208-15, Mar 72 (Ita) ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, physiology/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENOCHROME, metabolism/ BRAIN, metabolism/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ HALLUCINOGENS, biosynthesis/ HUMAN/ MELANIN/ MELANIN, biosynthesis/ NEURAMINIC ACIDS, metabolism/ *SCHIZOPHRENIA, enzymology/ SCHIZOPHRENIA, metabolism/ SEROTONIN, metabolism

3242. **Roa HS, Mixrahi SJ:** Coriocarcinoma de testículo con metástasis en la encía (informe de un caso. Rev Guatem Estomatol 2:96-9, Sep-Dec 72 (Spa) CHORIOCARCINOMA/ GINGIVAL NEOPLASMS/ NEOPLASM METASTASIS/ SPECIAL LIST DENTAL/ TESTICULAR NEOPLASMS

3243. **Robbins J:** Inherited variations in thyroxine transport. Mt Sinai J Med NY 40:511-9, May-Jun 73 (61 ref.) ANIMAL EXPERIMENTS/ AUTOSOME ABNORMALITIES/ GENES, STRUCTURAL/ GENES, SUPPRESSOR/ HUMAN/ MACACA/ *POLYMORPHISM (GENETICS)/ REVIEW/ SERUM ALBUMIN/ SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOMES/ *THYROXINE, metabolism/ THYROXINE-BINDING PROTEIN, biosynthesis/ *THYROXINE-BINDING PROTEIN, metabolism/ VARIATION (GENETICS)

3244. **Roberts E:** Prospects for research on schizophrenia. An hypotheses suggesting that there is a defect in the GABA system in schizophrenia.
Neurosci Res Program Bull 10:468-82, Nov 72 AMINOBUTYRIC ACID, analysis/ *AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ BRAIN CHEMISTRY/ CENTRAL NERVOUS SYSTEM, physiology/ DOPAMINE, analysis/ HUMAN/ MICE/ MODELS, NEUROLOGIC/ NEURONS, physiology/ NOREPINEPHRINE, analysis/ RESEARCH/ *SCHIZOPHRENIA, etiology/ SEROTONIN, analysis/ VERTEBRATES

3245. **Robinson A, Bowes W, Droegemueller W, et al:** Intrauterine diagnosis: potential complications.
Am J Obstet Gynecol 116:937-41, 1 Aug 73 ABORTION, complications/ ABORTION, INDUCED/ ADULT/ *AMNIOCENTESIS, adverse effects/ AUTOSOME ABNORMALITIES, diagnosis/ AUTOSOME ABNORMALITIES, familial & genetic/ CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ MALE/ MATERNAL AGE/ METABOLIC DISEASES, diagnosis/ METHODS/ MUSCULAR DYSTROPHY/ PREGNANCY/ *PRENATAL DIAGNOSIS, adverse effects/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ TIME FACTORS/ TRISOMY

3246. **Robinson MR, Constable AR:** Strontium-87m and the gamma camera in the study of bone metastases from carcinoma of the prostate. Br J Urol 45:173-8, Apr 73 ACID PHOSPHATASE/ ALKALINE PHOSPHATASE/ *BONE NEOPLASMS, diagnosis/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ METHODS/ NEOPLASM METASTASIS/ *PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ *RADIOISOTOPE SCANNING/ *STRONTIUM ISOTOPES

3247. **Rochefort H, Capony F:** Etude comparée du comportement d'un anti-aestrogène et de l'aestradiol dans les cellules utérines.
C R Acad Sci [D] (Paris) 276:2321-4, 9 Apr 73 (Fre) ANIMAL EXPERIMENTS/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ NAFOXIDINE, metabolism/ NAFOXIDINE, pharmacodynamics/ *PYRROLIDINES, pharmacodynamics/ RATS/ TIME FACTORS/ *UTERUS, drug effects/ UTERUS, metabolism

3248. **Rodbell M:** Molecular mechanisms of hormone receptors. Neurosci Res Program Bull 11:211-5, Jun 73 *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ GLUCAGON, analysis/

UNIVERSITY OF ILLINOIS-CHAMPAIGN

GLUCAGON, pharmacodynamics/ GUANINE NUCLEOTIDES, pharmacodynamics/ KINETICS/ LIVER, drug effects/ LIVER, metabolism/ MAGNESIUM/ MODELS, BIOLOGICAL/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ SECRETIN, analysis

3249. **Rodden JL, Scocca JJ:** Purification and properties of cyclic phosphodiesterase: 3'-nucleotidase, a periplasmic enzyme of Haemophilus influenzae.
Arch Biochem Biophys 153:837-44, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES/ CATIONS, DIVALENT/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ EDTA, pharmacodynamics/ ELECTROPHORESIS/ *HAEMOPHILUS INFLUENZAE, enzymology/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ NUCLEOTIDASES, isolation & purification/ *NUCLEOTIDASES, metabolism/ NUCLEOTIDES/ PHOSPHODIESTERASES, isolation & purification/ *PHOSPHODIESTERASES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ URACIL NUCLEOTIDES, pharmacodynamics

3250. **Rodrigo Sáez LR:** Actualización de la prueba de la metopirona (SU-4885.
Rev Clin Esp 129:119-22, 30 Apr 73 (Spa)
ADMINISTRATION, ORAL/ ENGLISH ABSTRACT/ HUMAN/ INJECTIONS, INTRAVENOUS/ METYRAPONE, administration & dosage/ *METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM/ PITUITARY DISEASES, physiopathology/ PITUITARY NEOPLASMS, physiopathology

3251. **Rodriguez RV:** Some aspects of neurosecretory morphology in various genital states.
Acta Anat (Basel) 85:88-95, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS/ FEMALE/ GUINEA PIGS/ HISTOLOGY, COMPARATIVE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INJECTIONS/ LABOR/ NEURONS/ *NEUROSECRETION/ PREGNANCY/ PUBERTY/ PUERPERIUM/ RABBITS/ SEX HORMONES, administration & dosage

3252. **Rodriguez V, Hart JS, Freireich EJ, et al:** Pomp combination chemotherapy of adult acute leukemia.
Cancer 32:69-75, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BONE MARROW, drug effects/ EVALUATION STUDIES/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LIVER, drug effects/ *MERCAPTOPURINE, therapeutic use/ *METHOTREXATE, therapeutic use/ MIDDLE AGE/ PARESTHESIA, chemically induced/ *PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ TIME FACTORS/ *VINCRISTINE, therapeutic use

3253. **Roediger WE, Spitz L:** Congenital cyst of the thyroid.
S Afr Med J 47:1120-2, 30 Jun 73
*CYSTS, congenital/ CYSTS, embryology/ CYSTS, pathology/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ INFANT/ MUSCLE, SMOOTH, pathology/ MUSCLES, pathology/ *THYROID DISEASES, congenital/ THYROID DISEASES, embryology/ THYROID DISEASES, pathology/ THYROID GLAND, embryology/ THYROID GLAND, pathology/ ULTIMOBRANCHIAL BODY, embryology

3254. **Roels H:** Pathology of aminoacidurias. II. V lesions. Monogr Hum Genet 6:79-98, 1972
*AMINO ACID METABOLISM, INBORN ERRORS, pathology/ *AMINOACIDURIA, RENAL, pathology/ CYSTINOSIS, pathol CYSTINURIA, pathology/ FANCONI SYNDROME, pathology/ HOMOCYSTINU pathology/ HUMAN/ ILEUM, pathology/ KIDNEY, pathology/ LIVER, pathology/ CIRRHOSIS, pathology/ MAPLE SYRUP URINE DISEASE, pathology/ PULMONA ARTERY, pathology/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, pathol

3255. **Rogall H, Zinser HK:** Pränatale Geschlechtsdia durch Nachweis des Y-Chromatins in Leukozy Schwangerenblutes.
Geburtshilfe Frauenheilkd 33:277-81, Apr 7
BLOOD CELL COUNT/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMA GESTATIONAL AGE/ HUMAN/ INFAN NEWBORN/ LEUKOCYTE COUNT/ LEUKOCYTES, analysis/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PRENATAL DIAGNOSIS *SEX CHROMATIN/ *SEX DETERMINA

3256. **Rogers PJ, Stewart PR:** Respiratory develop Saccharomyces cerevisiae grown at controlled tension. J Bacteriol 115:88-97, Jul 73
AEROBIOSIS/ ANAEROBIOSIS/ CATAL metabolism/ CELL-FREE SYSTEM/ CYANIDES, pharmacodynamics/ CYTOC C, biosynthesis/ CYTOCHROME OXIDA metabolism/ CYTOCHROMES, biosynthe ERGOSTEROL, biosynthesis/ FATTY A UNSATURATED, biosynthesis/ FUMARA HYDRO-LYASES, metabolism/ LIPIDS, biosynthesis/ MULTIENZYME COMPLE metabolism/ OXIDATION-REDUCTION/ *OXYGEN/ OXYGEN CONSUMPTION/ PARTIAL PRESSURE/ PEROXIDASES, metabolism/ SACCHAROMYCES CEREV enzymology/ SACCHAROMYCES CEREV growth & development/ *SACCHAROM CEREVISIAE, metabolism/ SPECTROPHOTOMETRY/ SUCCINATE DEHYDROGENASE, metabolism/ UBIQU biosynthesis

3257. **Rogers QR, Leung PM:** The influence of amino the neuroregulation of food intake.
Fed Proc 32:1709-19, Jun 73
*AMINO ACIDS, metabolism/ *AMYGD BODY, physiology/ ANIMAL EXPERIM CASEIN, metabolism/ DEFICIENCY DI metabolism/ DIETARY PROTEINS, metabolism/ *FEEDING BEHAVIOR/ *HYPOTHALAMUS, physiology/ ISOLE metabolism/ LEUCINE, metabolism/ LY metabolism/ METHIONINE, metabolism OLFACTORY BULB, physiology/ RATS THREONINE, metabolism

3258. **Rojas Cañamar M, Guillén MA, Yaspik Flore** Estudio de madurez fetal. VII. Estriol e amniótico al final del embarazo.
Ginecol Obstet Mex 33:427-40, May 73
AMNIOCENTESIS/ *AMNIOTIC FLUID analysis/ CHROMATOGRAPHY, GAS/ ENGLISH ABSTRACT/ *ESTRIOL, ana FEMALE/ *GESTATIONAL AGE/ HUM PREGNANCY

3259. **Rojo-Ortega JM, Casado S, Rosenthal J, e** renin-angiotensin system in urinephrect adrenalectomized rats. Experientia 29:285-6,
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANGIOTENSIN, b ANIMAL EXPERIMENTS/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGEN analysis/ JUXTAGLOMERULAR APPA enzymology/ JUXTAGLOMERULAR APPARATUS, metabolism/ *KIDNEY, physiology/ NEPHRECTOMY/ RATS/ biosynthesis/ *RENIN, blood

3260. **Roland DA Sr, Harms RH:** Calcium metaboli laying hen. 5. Effect of various sources an calcium carbonate on shell quality.

LIBRARY U. OF I.

Poult Sci 52:369-72, Jan 73
ANIMAL EXPERIMENTS/ ANIMAL FEED, analysis/ CALCIUM/ CALCIUM, blood/ *CALCIUM, metabolism/ *CALCIUM CARBONATE, analysis/ *CHICKENS, physiology/ *EGGS/ FEMALE/ OVULATION/ SEASONS

oland DA Sr, Sloan DR, Harms RH: Calcium metabolism in the laying hen. 4. The calcium status of the hen at night. Poult Sci 52:351-4, Jan 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL CLOCKS/ CALCIUM, analysis/ *CALCIUM, metabolism/ *CHICKENS, physiology/ *DARKNESS/ *DIGESTIVE SYSTEM, metabolism/ FEMALE/ INTESTINAL ABSORPTION/ OVULATION/ TIME FACTORS

oliand M, Montfort MF, Lissitzky S: Efficiency of thyroglobulin as a thyroid hormone-forming protein. Biochim Biophys Acta 303:338-47, 20 Apr 73
AMINO ACIDS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GOITER, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE, analysis/ IODINE ISOTOPES/ PROTEIN CONFORMATION/ SERUM ALBUMIN, RADIO-IODINATED/ SPECTROPHOTOMETRY/ THYROGLOBULIN, analysis/ *THYROGLOBULIN, metabolism/ *THYROID HORMONES, biosynthesis/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

oils BJ, Rolls ET: Effects of lesions in the basolateral amygdala on fluid intake in the rat. J Comp Physiol Psychol 83:240-7, May 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ APPETITE REGULATION/ AVOIDANCE LEARNING/ CHLORIDES/ *DRINKING/ HYPERTONIC SOLUTIONS/ ISOPROTERENOL, pharmacodynamics/ LITHIUM/ OSMOLAR CONCENTRATION/ RATS/ SODIUM CHLORIDE/ SUCROSE/ TASTE/ THIRST, drug effects/ WATER-ELECTROLYTE BALANCE

olls ET, Rolls BJ: Altered food preferences after esions in the basolateral region of the amygdala in the at. J Comp Physiol Psychol 83:248-59, May 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ DIET/ DISCRIMINATION/ EATING/ FEAR/ *FOOD PREFERENCES/ MALE/ RATS/ REWARD/ TASTE

om-Bugoslavskaia ES, Livshits EM, Kirzhner VM, et al: Statisticheskii analiz mertsatel'noi aritmii ireotoksicheskogo geneza. Kardiologiia 13:136-8, Apr 73 (Rus)
ANALYSIS OF VARIANCE/ *AURICULAR FIBRILLATION, etiology/ AURICULAR FIBRILLATION, occurrence/ *ELECTROCARDIOGRAPHY/ HUMAN/ *HYPERTHYROIDISM, complications/ MATHEMATICS

omain R, Bugnon C: Caractérisation cytochimique et cytophysiologique des cellules noradrénalinogènes et des cellules interrénaliennes associées chez la tanche Tinca tinca L. C R Soc Biol (Paris) 166:322-7, 9 Nov 72 (Fre)
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ *CYPRINIDAE, anatomy & histology/ FEMALE/ HISTOCYTOCHEMISTRY/ KARYOMETRY/ *KIDNEY, cytology/ MALE/ *NOREPINEPHRINE, secretion

omaniuk A, Brudzyński S, Grońska J: Specific changes in the defensive behavior of cats following injection of D-tubocurarine into the hypothalamic areas. Acta Physiol Pol 24:305-13, 1973
*ANGER, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CATS/ ELECTROENCEPHALOGRAPHY/ ESCAPE REACTION/ *FEAR, drug effects/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INJECTIONS, INTRATHECAL/ MALE/ MICROINJECTIONS/ STIMULATION, CHEMICAL/ TUBOCURARINE, administration & dosage/ *TUBOCURARINE, pharmacodynamics

3268. **Romert P, Gauguin J:** The early development of the median thyroid gland of the mouse. A light-, electron-microscopic and histochemical study. Z Anat Entwicklungsgesch 139:319-36, 16 Apr 73
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ EPITHELIAL CELLS/ GOLGI APPARATUS, enzymology/ HISTOCYTOCHEMISTRY/ LYSOSOMES/ MICE/ MICROSCOPY, ELECTRON/ THYROID GLAND, cytology/ *THYROID GLAND, embryology/ THYROID GLAND, enzymology

3269. **Romijn HJ:** Parasympathetic innervation of the rabbit pineal gland. Brain Res 55:431-6, 15 Jun 73
ANIMAL EXPERIMENTS/ GANGLIA, AUTONOMIC, anatomy & histology/ MALE/ MICROSCOPY, ELECTRON/ NERVE DEGENERATION/ *PARASYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, cytology/ RABBITS/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC

3270. **Rondhuis PR:** Induction of tumors in hamsters with a bovine adenovirus strain (serotype 8). Arch Gesamte Virusforsch 41:147-9, 1973
*ADENOVIRUS/ ADENOVIRUS, immunology/ ANIMAL EXPERIMENTS/ CATTLE/ CELLS, CULTURED/ CYTOPATHOGENIC EFFECT, VIRAL/ HAMSTERS/ KIDNEY/ NEOPLASM METASTASIS/ *NEOPLASMS, EXPERIMENTAL, etiology/ NEOPLASMS, EXPERIMENTAL, microbiology/ SEROTYPING/ TESTIS/ TIME FACTORS

3271. **Rongey RW, Hlavackova A, Lara S, et al:** Types B and C RNA virus in breast tissue and milk of wild mice. J Natl Cancer Inst 50:1581-9, Jun 73
*ADENOCARCINOMA, microbiology/ ANIMAL EXPERIMENTS/ ANTIGENS, VIRAL, analysis/ C-TYPE VIRUSES, isolation & purification/ CALIFORNIA/ COMPLEMENT FIXATION TESTS/ DISEASE MODELS, ANIMAL/ FEMALE/ LACTATION/ MAMMAE, immunology/ *MAMMAE, microbiology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, microbiology/ MICE/ *MICE/ MICROSCOPY, ELECTRON/ *MILK, microbiology/ *ONCOGENIC VIRUSES, isolation & purification/ PREGNANCY/ *RNA VIRUSES, isolation & purification/ SPLEEN, microbiology

3272. **Roof BS, Gordan GS, Goldman L, et al:** Berson and Yalow's radioimmunoassay for parathyroid hormone (PTH): a clinical progress report. Mt Sinai J Med NY 40:433-47, May-Jun 73
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHICKENS, immunology/ CHILD/ CHILD, PRESCHOOL/ GUINEA PIGS, immunology/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, SECONDARY, blood/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPOPARATHYROIDISM, blood/ IMMUNE SERUMS/ INFANT/ INFANT, NEWBORN/ KIDNEY, transplantation/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, physiopathology/ METHODS/ MIDDLE AGE/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ RADIOIMMUNOASSAY/ RICKETS, VITAMIN D RESISTANT, physiopathology

3273. **Root AW:** Endocrinology of puberty. II. Aberrations of sexual maturation. J Pediatr 83:187-200, Aug 73
ADOLESCENCE/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ FEMALE/

FSH, secretion/ GENITALIA, FEMALE, abnormalities/ GENITALIA, MALE, abnormalities/ GONADOTROPINS, PITUITARY, secretion/ HERMAPHRODITISM, familial & genetic/ HUMAN/ HYPOGONADISM, etiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ KARYOTYPING/ KLINEFELTER'S SYNDROME, etiology/ LH, secretion/ MALE/ PHENOTYPE/ PHYSICAL EXAMINATION/ PITUITARY DISEASES, complications/ PUBERTY, PRECOCIOUS, diagnosis/ *PUBERTY, PRECOCIOUS, etiology/ PUBERTY, PRECOCIOUS, physiopathology/ PUBERTY, PRECOCIOUS, therapy/ SEX DIFFERENTIATION DISORDERS, diagnosis/ *SEX DIFFERENTIATION DISORDERS, etiology/ SEX DIFFERENTIATION DISORDERS, physiopathology/ TESTOSTERONE, therapeutic use

3274. **Roots I, Hildebrandt AG:** Non-competitive and competitive inhibition of mixed function oxidase in rat liver microsomes by metyrapone. Naunyn Schmiedebergs Arch Pharmacol 227:27-38, 1973
AMINOPYRINE/ AMINOPYRINE N-DEMETHYLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CYTOCHROME OXIDASE, antagonists & inhibitors/ *CYTOCHROME P-450, metabolism/ IN VITRO/ KINETICS/ MALE/ *METYRAPONE, metabolism/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ MORPHINE/ *OXIDOREDUCTASES, N-DEMETHYLATING, antagonists & inhibitors/ PHENOBARBITAL, pharmacodynamics/ PROTEIN BINDING/ RATS

3275. **Roots I, Hildebrandt AG:** Active centers of microsomal cytochrome P-450 determined with metyrapone by mutural depletion system kinetics. Naunyn Schmiedebergs Arch Pharmacol 227:39-52, 1973
AMINOPYRINE/ AMINOPYRINE N-DEMETHYLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CATALYSIS/ *CYTOCHROME P-450, metabolism/ IN VITRO/ KINETICS/ MALE/ *METYRAPONE, metabolism/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ *MORPHINANS/ MORPHINE/ *OXIDOREDUCTASES, N-DEMETHYLATING, antagonists & inhibitors/ PHENOBARBITAL, pharmacodynamics/ PROTEIN BINDING/ RATS

3276. **Rose DP, Randall ZC:** Reassessment of tryptophan metabolism in breast cancer five years after an initial study. Clin Chim Acta 45:33-6, 19 Apr 73
ADULT/ AGE FACTORS/ AGED/ ALCOHOLS, urine/ AMINO ACIDS, urine/ ANTHRANILIC ACID, urine/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, urine/ CASTRATION/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ ENDOCRINE DISEASES, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MASTECTOMY/ MIDDLE AGE/ PHENYLBUTYRATES, urine/ TIME FACTORS/ TRYPTOPHAN, diagnostic use/ *TRYPTOPHAN, metabolism/ XANTHURENATES, urine

3277. **Rose JD, Sutin J:** Effects of lesions in the lateral medulla on mating and responses to genital stimulation in female cats. Brain Res 56:350-4, 29 Jun 73
ANIMAL EXPERIMENTS/ CATS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ MEDULLA OBLONGATA, anatomy & histology/ *MEDULLA OBLONGATA, physiology/ OVARY, physiology/ PHYSICAL STIMULATION/ *RETICULAR FORMATION, physiology/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ *VAGINA, physiology/ VOCALIZATION, ANIMAL

3278. **Rose NR, Molotchnikoff MF, Twarog FJ:** affecting transfer of experimental autoi thyroiditis in rats. Immunology 24:859-70,
ANIMAL EXPERIMENTS/ AUTOANTIB AUTOANTIGENS/ *AUTOIMMUNE DIS etiology/ AUTOIMMUNE DISEASES, pa AUTOIMMUNE DISEASES, prevention control/ FEMALE/ FREUND'S ADJUVA IMMUNIZATION/ LYMPH NODES, cyto *LYMPH NODES, transplantation/ PAS TRANSFER/ PERTUSSIS VACCINE/ RADIATION EFFECTS/ RATS/ RATS, INBRED STRAINS/ THYMECTOMY/ T GLAND, immunology/ THYROID GLAN pathology/ THYROID GLAND, radiation effects/ THYROIDECTOMY/ *THYROID etiology/ THYROIDITIS, pathology/ THYROIDITIS, prevention & control/ TRANSPLANTATION, HOMOLOGOUS

3279. **Rosenberg D, Tell G:** Syndrome de Turner. d'une statistique de 60 observations. Pediatrie 27:831-50, Dec 72
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GONADS, abnormalities/ HAPLOIDY/ HUMAN/ I KARYOTYPING/ MOSAICISM/ SEX HORMONES, administration & dosage/ TURNER'S SYNDROME, drug therapy/ *TURNER'S SYNDROME, familial & ge

3280. **Rosenberg H, Haugaard N:** The effects of halo metabolism and calcium uptake in mitochond rat liver and brain. Anesthesiology 34:44-5
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANESTI INHALATION/ ANIMAL EXPERIMENT *BRAIN, metabolism/ *CALCIUM, met CALCIUM CHLORIDE, metabolism/ DEPRESSION, CHEMICAL/ GLUTAMA metabolism/ HALOTHANE, administrat dosage/ *HALOTHANE, pharmacodynar VITRO/ *MITOCHONDRIA, metabolism *MITOCHONDRIA, LIVER, metabolism OXYGEN CONSUMPTION, drug effect PHOSPHATES, pharmacodynamics/ RA SUCCINATES, metabolism

3281. **Rosenbloom AL:** Transient congenital id hypoparathyroidism. South Med J 66:667-7
GESTATIONAL AGE/ HUMAN/ *HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, complicatio *HYPOPARATHYROIDISM, congenital/ HYPOPARATHYROIDISM, drug therap HYPOPARATHYROIDISM, occurrence/ INFANT, NEWBORN/ MALE/ PARAT HORMONE, therapeutic use/ POTASS blood/ VITAMIN D, therapeutic use

3282. **Rosenfeld RS, Rosenberg B, Kream J, et al:** Pr of some C 19 steroid-protein conjugat Steroids 21:723-33, May 73
ANDROSTENEDIONE/ ANDROSTERON ANTIBODIES/ CARBON ISOTOPES/ C DEHYDROEPIANDROSTERONE/ ETIOCHOLANOLONE/ OXIMES/ *PRO chem synthesis/ SERUM ALBUMIN, B *STEROIDS, chem synthesis/ SUCCIN

3283. **Rosenfield AG, Asavasena W, Mikhanor** Person-to-person communication in Tha Stud Fam Plann 4:145-9, Jun 73
ADOLESCENCE/ ADULT/ AUDIO-VIS AIDS/ CONTRACEPTION/ CONTRACI ORAL/ *FAMILY PLANNING/ FEMA FERTILITY/ HOSPITAL OUTPATIEN CLINICS/ HUMAN/ INTRAUTERINE DEVICES/ MIDDLE AGE/ MIDWIFER MOBILE HEALTH UNITS/ MOTIVAT PREGNANCY/ STERILIZATION, TUB THAILAND/ TIME FACTORS

3284. **Rosenkranz A, Smolka T:** Diabetes insipidus Hypokaliämie, Hyperaldosteronismus und Plasmareinaktivität (Bartter-Syndrom. Paediatr Paedol 8:297-303, 1973
ALKALOSIS, blood/ CHILD, PRESCH

LIBRARY

*DIABETES INSIPIDUS, blood/ ENGLISH ABSTRACT/ HUMAN/ *HYPERALDOSTERONISM, blood/ HYPERPLASIA, blood/ HYPERTROPHY, blood/ HYPOKALEMIA, blood/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY DISEASES, blood/ MALE/ *RENIN, blood/ SYNDROME

osenson LM: Observations of the maternal behaviour of two captive greater bushbabies (Galago crassicaudatus argentatus).
Anim Behav 20:677-88, Nov 72
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ *ANIMALS, ZOO, growth & development/ FEMALE/ GROOMING/ LACTATION/ MALE/ *MATERNAL BEHAVIOR/ MOVEMENT/ PLAY/ *PRIMATES/ SOCIAL BEHAVIOR

osman NP: The neuropathology of congenital hypothyroidism. Adv Exp Med Biol 30:337-66, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ BRAIN, growth & development/ BRAIN, metabolism/ *BRAIN, pathology/ DEFICIENCY DISEASES, complications/ FEMALE/ HEXOSES, metabolism/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, pathology/ IODINE/ LIPIDS, metabolism/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ RATS/ THYROID GLAND, pathology

osner W, Darmstadt RA: Demonstration and partial characterization of a rabbit serum protein which binds testosterone and dihydrotestosterone.
Endocrinology 92:1700-7, Jun 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *BLOOD PROTEINS, isolation & purification/ BLOOD PROTEINS, metabolism/ CARBON ISOTOPES/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ HUMAN/ KINETICS/ MALE/ PRECIPITATION/ RABBITS/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

es JW, Gorski RA, Sawyer CH: Effects of cortical stimulation on estrous behavior in estrogen-primed ovariectomized rats. Endocrinology 93:20-5, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CEREBRAL CORTEX, physiology/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ OVARY, physiology/ POSTURE/ PROGESTERONE, physiology/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS

es JW, Gorski RA: Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. Physiol Behav 10:643-6, Mar 73
ANIMAL EXPERIMENTS/ BENZOATES/ *CASTRATION/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ *ELECTROENCEPHALOGRAPHY/ ESTRADIOL, pharmacodynamics/ FEMALE/ INHIBITION, NEURAL, drug effects/ *POTASSIUM CHLORIDE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SPREADING CORTICAL DEPRESSION

es MH, Bras G: Influence of protein under- and overnutrition on spontaneous tumor prevalence in the rat. J Nutr 103:944-63, Jul 73
ADENOMA, etiology/ AGING/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BONE NEOPLASMS, etiology/ CARCINOMA, etiology/ CARDIOVASCULAR DISEASES, etiology/ DIET/ *DIETARY PROTEINS, administration & dosage/ DIETARY PROTEINS, adverse effects/ ENDOCRINE DISEASES, etiology/ LONGEVITY/ MALE/ NEOPLASMS, EXPERIMENTAL, classification/ *NEOPLASMS, EXPERIMENTAL, etiology/ NEOPLASMS, EXPERIMENTAL, mortality/ NEOPLASMS, EXPERIMENTAL, occurrence/ NEOPLASMS, MUSCLE TISSUE, etiology/ NEOPLASMS, NERVOUS TISSUE, etiology/ PAPILLOMA, etiology/ *PROTEIN DEFICIENCY/ RATS/ SARCOMA, EXPERIMENTAL, etiology/ SARCOMA, RETICULUM CELL, etiology/ THYMOMA, etiology

3291. **Rossano P, Tucci M, Lampasi D, et al:** Il trattamento corticosteroideo nella sindrome asmatica. Sperimentazione di un preparato di metil-prednisolone micronizzato.
Minerva Med 64:1543-50, 30 Apr 73 (Ita)
ADULT/ AGED/ *ASTHMA, drug therapy/ ASTHMA, physiopathology/ BLOOD PRESSURE/ *DELAYED-ACTION PREPARATIONS, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PULSE/ SPIROMETRY

3292. **Rosse WF:** Variations in the red cells in paroxysmal nocturnal haemoglobinuria.
Br J Haematol 24:327-42, Mar 73
ADOLESCENCE/ ADULT/ AGED/ COMPLEMENT/ ERYTHROCYTE COUNT/ *ERYTHROCYTES/ ERYTHROCYTES, ABNORMAL/ ERYTHROPOIESIS/ FEMALE/ HEMOGLOBINOMETRY/ *HEMOGLOBINURIA, PAROXYSMAL, blood/ HEMOGLOBINURIA, PAROXYSMAL, drug therapy/ HEMOGLOBINURIA, PAROXYSMAL, immunology/ HEMOLYSIS/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use

3293. **Rosselet E:** Etude longitudinale d'une fistule carotido-caverneuse post-traumatique.
Rev Otoneuroophtalmol 44:349-52, Jul-Sep 72 (Fre)
ADULT/ ARTERIOVENOUS FISTULA, complications/ *ARTERIOVENOUS FISTULA, etiology/ BLINDNESS, etiology/ CAROTID ARTERY DISEASES, complications/ *CAROTID ARTERY DISEASES, etiology/ *CAVERNOUS SINUS/ EXOPHTHALMOS, etiology/ EYE DISEASES, etiology/ FEMALE/ HUMAN/ SKULL FRACTURES, complications

3294. **Rosselin G, Freychet P:** Basal and hormone-stimulated adenylate cyclase in liver plasma membranes: measurement by radioimmunoassay of cyclic AMP.
Biochim Biophys Acta 304:541-51, 28 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, enzymology/ *GLUCAGON, pharmacodynamics/ IMMUNE SERUMS/ *INSULIN, pharmacodynamics/ IODINE ISOTOPES/ KINETICS/ LIVER, cytology/ *LIVER, enzymology/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ *THEOPHYLLINE, pharmacodynamics

3295. **Rosselin G, Jarrousse C, Rançon F, et al:** L'AMP cyclique, médiateur de la sécrétion du glucagon due aux acides aminés.
C R Acad Sci [D] (Paris) 276:1017-20, 5 Feb 73 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALANINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ARGININE, pharmacodynamics/ DRUG SYNERGISM/ *GLUCAGON, secretion/ INSULIN, secretion/ LYSINE, pharmacodynamics/ *PANCREAS, drug effects/ PANCREAS, secretion/ RADIOIMMUNOASSAY/ RATS/ THEOPHYLLINE, pharmacodynamics

3296. **Rossier AB, Bussat P, Infante F, et al:** Current facts of para-osteo-arthropathy (POA).
Paraplegia 11:38-78, May 73 (48 ref.)
ADULT/ ALKALINE PHOSPHATASE, blood/ ANGIOGRAPHY/ BONE AND BONES, radiography/ CALCIUM, urine/ CARBON DIOXIDE, blood/ CREATINE KINASE, blood/ FEMALE/ FEMORAL ARTERY, radiography/ FEMORAL VEIN, radiography/ HIP, pathology/

HUMAN/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ *OSTEOARTHRITIS/ OSTEOARTHRITIS, etiology/ OSTEOARTHRITIS, metabolism/ OSTEOARTHRITIS, pathology/ OSTEOARTHRITIS, radiography/ OSTEOARTHRITIS, surgery/ OXYGEN, blood/ PARTIAL PRESSURE/ REVIEW/ SPINAL CORD INJURIES, complications/ TIME FACTORS

3297. **Rossier G, Pierrepoint CG, Griffiths K:** The effects of endogenous compounds on ovine myometrial contractility and adenyl cyclase system.
J Reprod Fertil 33:362-3, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM/ EPINEPHRINE, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, pharmacodynamics/ SHEEP/ SODIUM/ *UTERUS, drug effects

3298. **Roszkowski-Śliż W:** Effect of the somatotropic hormone, insulin and durabolin on postadjuvant polyarthritis in rats. Acta Physiol Pol 24:371-6, 1973
ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ARTHRITIS, etiology/ *ARTHRITIS, immunology/ ARTHRITIS, metabolism/ COMPARATIVE STUDY/ DRUG SYNERGISM/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ *INSULIN, pharmacodynamics/ INSULIN, LENTE, administration & dosage/ LYMPHOCYTES, drug effects/ *NANDROLONE, pharmacodynamics/ RATS/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

3299. **Roth J:** Die paraneoplastischen Syndrome. Systemwirkungen und Indikatoren bösartiger Geschwülste.
Hippokrates 44:18-38, Mar 73 (439 ref.) (Ger)
DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HEART DISEASES, etiology/ HEMATOLOGIC DISEASES, etiology/ HUMAN/ MALE/ *METABOLIC DISEASES, etiology/ MUSCULAR DISEASES, etiology/ NEOPLASM METASTASIS/ *NEOPLASMS, complications/ NEOPLASMS, diagnosis/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ NEUROLOGIC MANIFESTATIONS/ REVIEW/ SKIN MANIFESTATIONS/ STOMACH DISEASES, etiology/ SYNDROME, etiology/ THROMBOEMBOLISM, etiology/ TIME FACTORS

3300. **Roth SR, Schwartz M, Teitelbaum P:** Failure of recovered lateral hypothalamic rats to learn specific food aversions.
J Comp Physiol Psychol 83:184-97, May 73
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ *AVOIDANCE LEARNING/ CHLORIDES/ DIET/ EATING/ ELECTROSHOCK/ *FEEDING BEHAVIOR/ FEMALE/ *HYPOTHALAMUS, physiology/ LITHIUM/ RATS/ TASTE/ TONGUE, physiology

3301. **Rothemund E, Frische M:** Klinisch-pathologische Studie zur Entstehung der intracerebralen Gefässhyalinose bei Hypertonie.
Arch Psychiatr Nervenkr 217:195-206, 30 May 73 (Ger)
ADULT/ AGE FACTORS/ AUTOPSY/ *BRAIN STEM, pathology/ CALCIUM, analysis/ *CEREBRAL ARTERIOSCLEROSIS, pathology/ *CEREBRAL HEMORRHAGE, pathology/ ENGLISH ABSTRACT/ FEMALE/ HEART ENLARGEMENT, pathology/ HUMAN/ *HYALIN SUBSTANCE/ *HYPERTENSION, pathology/ HYPOTHALAMUS, analysis/ KIDNEY, pathology/ MALE/ MIDDLE AGE/ TIME FACTORS

3302. **Rothenbuchner G, Birk J, Loos U, et al:** Untersuchungen mit 125Jod-markiertem, synthetischem Thyrotropin-Releasing Hormone (TRH.
Klin Wochenschr 51:412-4, 15 Apr 73
ANIMAL EXPERIMENTS/ BILE, metab CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HYPOTHALAM metabolism/ IODINE ISOTOPES/ KIDN metabolism/ LIVER, metabolism/ MAL METHODS/ MICE/ PITUITARY GLAN effects/ *PITUITARY GLAND, metabol THYROID GLAND, metabolism/ THYROTROPIN, secretion/ *THYROTR RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, urine

3303. **Rothman-Denes LB, Hesse JE, Epstein W:** Role adenosine 3',5'-monophosphate in the in expression of the galactose operon of Escheri
J Bacteriol 114:1040-4, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CARB ISOTOPES/ ENZYME INDUCTION/ *ESCHERICHIA COLI, metabolism/ *GALACTOSE, metabolism/ GALACTOS metabolism/ GENETICS, BIOCHEMICA GENETICS, MICROBIAL/ GENOTYPE/ GLYCERIN/ MUTATION/ *OPERON/ PHOSPHOTRANSFERASES, metabolism FACTORS

3304. **Rothwell B, Tingari MD:** The ultrastructur boundary tissue of the seminiferous tubu testis of the domestic fowl (Gallus dom
J Anat 114:321-8, Apr 73
ANIMAL EXPERIMENTS/ *CHICKENS anatomy & histology/ CONNECTIVE T CELLS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ *EJACULATORY DUCTS, cytology/ EJACULATORY DUCTS, phy ENDOPLASMIC RETICULUM/ EPITHE CELLS/ FIBROBLASTS/ GOLGI APPA HISTOLOGY, COMPARATIVE/ HUMA LEYDIG CELLS/ MALE/ MITOCHOND MUSCLE CONTRACTION/ SERTOLI C SPERMATOZOA, cytology/ SPERMATO physiology

3305. **Rouffy J, Pestel M, Cortot A, et al:** Syn Klinefleter, hypertriglycéridémie endog artériopathie des membres inférieurs. A pro observation.
Ann Med Interne (Paris) 124:201-6, Mar
ANGIOGRAPHY/ *ARTERIAL OCCLUS DISEASES, complications/ CHOLESTE blood/ DIETARY CARBOHYDRATES/ DIETARY FATS/ FEMORAL ARTERY HUMAN/ *HYPERLIPEMIA, ESSENTI FAMILIAL, complications/ KARYOTY *KLINEFELTER'S SYNDROME, compli KLINEFELTER'S SYNDROME, diagnos MALE/ MIDDLE AGE/ POPLITEAL A PREDIABETIC STATE, complications/ *TRIGLYCERIDES, blood

3306. **Rourke JE, Gould LV, Rice PA, et al:** In vitro studies of the human placenta; angiora study of the maternal circulation.
Gynecol Invest 4:50-60, 1973
*ANGIOGRAPHY/ BLOOD CIRCULAT FEMALE/ HUMAN/ MATERNAL-FET EXCHANGE/ METHODS/ *PERFUSIO PERFUSION, instrumentation/ PLACE blood supply/ PLACENTA, metabolism *PLACENTA, radiography/ REGIONAL FLOW

3307. **Roushdi IM, Ibrahim el-SA, Beltagy Y** Colometric methods for the estimation of te hydrochloride and oxytetracycline hydr
Pharmazie 28:236-7, Apr 73
BISMUTH/ COLORIMETRY/ IODIDES METHODS/ NITRITES/ *OXYTETRAC analysis/ TECHNOLOGY, PHARMACE *TETRACYCLINE, analysis/ THIOCYA

3308. **Roushdi IM, Ibrahim el-SA, Belal S:** Diphas of some keto-steroid hormones. Ethist norethisterone, norethynodrel, methandie nandrolone phenyl propionate.

harmazie 28:41-2, Jan 73
CHEMISTRY/ ETHISTERONE, analysis/ KETOSTEROIDS, analysis/ NANDROLONE, analysis/ NORETHINDRONE, analysis/ NORETHYNODREL, analysis/ OXIMES/ *PREGNENES, analysis

usseau JP, Prud'Homme MJ: Motricité de l'uterus hez la brebis. Etude électromyographique.
Physiol (Paris) 65:Suppl 3:493A, 1972 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTROMYOGRAPHY/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, physiology/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ *SHEEP/ UTERUS, drug effects/ UTERUS, physiology

ux JF: Evaluation prénatale du foetus et quelques ots sur sa physiopathologie.
nion Med Can 102:109-14, Jan 73 (Fre)
AMNIOCENTESIS/ AMNIOTIC FLUID, analysis/ ARRHYTHMIA, diagnosis/ ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ FETAL HEART/ *FETUS, physiology/ HUMAN/ MONITORING SYSTEMS/ PREGNANCY/ *PRENATAL DIAGNOSIS/ ULTRASONICS, diagnostic use

ix JM, Swierczewski E, Tordet-Caridroit C: égulation par les androgènes de l'activité de la ucose-6-phosphate déshydrogénase et de la utathion peroxydase hépatique du rat.
Physiol (Paris) 64:333-42, Dec 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ ENZYME REPRESSION/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUTATHIONE/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *PEROXIDASES, metabolism/ PROPIONATES, pharmacodynamics/ PUBERTY/ RATS/ SEX FACTORS/ *SEX HORMONES, physiology/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

ell NR, Cotterill JA: Relapsing polychondritis.
J Dermatol 88:387-90, Apr 73
BLOOD CELLS, analysis/ CARTILAGE/ EAR DEFORMITIES, ACQUIRED, etiology/ ERYTHEMA/ FEVER/ HEMATOCRIT/ HUMAN/ INFLAMMATION/ MALE/ MIDDLE AGE/ NOSE DEFORMITIES, etiology/ PHENYLBUTAZONE, therapeutic use/ *POLYCHONDRITIS, RELAPSING/ POLYCHONDRITIS, RELAPSING, diagnosis/ POLYCHONDRITIS, RELAPSING, drug therapy/ PREDNISONE, therapeutic use/ TENOSYNOVITIS/ THROMBOPHLEBITIS, drug therapy

land LO Jr, Roland DA Sr, Harms RH: Ascorbic acid related to tibia strength in spent hens.
ult Sci 52:347-50, Jan 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ASCORBIC ACID, administration & dosage/ ASCORBIC ACID, metabolism/ BIOMECHANICS/ *BONE AND BONES, physiology/ *CALCIUM, blood/ *CHICKENS, metabolism/ EGGS, analysis/ FEMALE/ REASONS/ SPECIES SPECIFICITY/ STRESS, MECHANICAL/ TIBIA, analysis

AK, Leonard S: Androgen-dependent synthesis of globulin in diabetic rats: the role of insulin.
Endocrinol 57:327-8, May 73
ALLOXAN DIABETES, metabolism/ *ALPHA GLOBULIN, biosynthesis/ ALPHA GLOBULIN, urine/ *ANDROGENS/ ANIMAL EXPERIMENTS/ GLYCOSURIA/ *INSULIN, pharmacodynamics/ MALE/ RATS

n VB, Volchek AG, Strokova IG, et al: O roli otalamo-gipofizarnoi sistemy v reguliatsii urovnia askortina v plazme krys.
bl Endokrinol (Mosk) 19:58-63, Mar-Apr 73 (Rus)
NIMAL EXPERIMENTS/ BLOOD OAGULATION TESTS/ CORTICOSTERONE, lood/ ELECTROCOAGULATION/ ENGLISH BSTRACT/ ESTRUS/ FEMALE/ HYPOPHYSECTOMY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ RATS/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics/ *TRANSCORTIN, analysis/ TRITIUM

3316. **Rozenberg MC, Walker CM:** The effect of pyrimidine compounds on the potentiation of adenosine inhibition of aggregation, on adenosine phosphorylation and phosphodiesterase activity of blood platelets. Br J Haematol 24:409-18, Apr 73
ADENOSINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, metabolism/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ CARBON ISOTOPES/ DIPYRIDAMOLE, pharmacodynamics/ ETHANOLAMINES, pharmacodynamics/ ETHYLAMINES, pharmacodynamics/ HUMAN/ IN VITRO/ MORPHOLINES, pharmacodynamics/ *PHOSPHODIESTERASES, metabolism/ PIPERIDINES, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ PYRIMIDINES, pharmacodynamics/ THIOPHENES, pharmacodynamics

3317. **Rubalcava B, Rodbell M:** The role of acidic phospholipids in glucagon action on rat liver adenylate cyclase. J Biol Chem 248:3831-7, 10 Jun 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BACILLUS CEREUS, enzymology/ BINDING, COMPETITIVE/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CEPHALINS, metabolism/ CLOSTRIDIUM PERFRINGENS, enzymology/ ENZYME ACTIVATION/ *GLUCAGON, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ HISTIDINE, metabolism/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ LECITHINS, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ *PHOSPHOLIPASE, pharmacodynamics/ *PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ RATS/ SPHINGOMYELINS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

3318. **Rubens-Duval A, Apfelbaum M, Villiaumey J, et al:** Etude comparative du comportement des sujets normaux, ostéoporotiques et "ostéoporomalaciques" à l'égard du calcium 45 sous régime phosphocalcique équilibré et constant.
Rev Rhum Mal Osteoartic 40:179-87, Mar 73 (Fre)
BIOPSY/ *CALCIUM, metabolism/ CALCIUM, urine/ *CALCIUM, DIETARY/ CALCIUM ISOTOPES/ DIFFUSION/ HUMAN/ KINETICS/ OSTEOMALACIA, diagnosis/ *OSTEOMALACIA, metabolism/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, metabolism/ *PHOSPHORUS

3319. **Rubin AL, Levin SR, Bernstein RI, et al:** Stimulation of growth hormone by luteinizing hormone-releasing hormone in active acromegaly.
J Clin Endocrinol Metab 37:160-2, Jul 73
*ACROMEGALY, blood/ FEMALE/ FSH, blood/ HUMAN/ *LH/ LH, blood/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *SOMATOTROPIN, blood/ TIME FACTORS

3320. **Rubin MS, Swislocki NI, Sonenberg M:** Modification by bovine growth hormone of liver plasma membrane enzymes, phospholipids, and circular dichroism.
Arch Biochem Biophys 157:243-51, Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CIRCULAR DICHROISM/ CYTOCHROME OXIDASE, metabolism/

GLUCOSEPHOSPHATASE, metabolism/ HYPOPHYSECTOMY/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ NUCLEOTIDASES, metabolism/ *PHOSPHOLIPIDS, metabolism/ PITUITARY GLAND, physiology/ PROTEIN CONFORMATION/ RATS/ *SOMATOTROPIN, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

3321. **Rubin MS, Swislocki NI, Sonenberg M:** Alteration of liver plasma membrane protein conformation by bovine growth hormone in vitro.
Arch Biochem Biophys 157:252-9, Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CIRCULAR DICHROISM/ FLUORESCENCE SPECTROMETRY/ HYPOPHYSECTOMY/ IN VITRO/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ PITUITARY GLAND, physiology/ PROTEIN CONFORMATION/ RATS/ *SOMATOTROPIN, pharmacodynamics

3322. **Rudakov VV, Shavlaev ZF:** Tsitospektrofotometricheskie i morfologicheskie dannye o vliianii ioniziruiushchei radiatsii na laktiruiushchiu molochnuiu zhelezu.
Arkh Anat Gistol Embriol 63:21-7, Oct 72 (Rus)
ANIMAL EXPERIMENTS/ *DNA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GOATS/ HISTOCYTOCHEMISTRY/ LACTATION/ MAMMAE, pathology/ *MAMMAE, radiation effects/ *PROTEINS, metabolism/ *RADIATION INJURIES, EXPERIMENTAL, metabolism/ RADIATION INJURIES, EXPERIMENTAL, pathology/ RATS/ *RNA, metabolism/ *SPECTROPHOTOMETRY

3323. **Rudolph R, Klein L:** Inhibition of mature 3 H-collagen destruction by triamcinolone.
J Surg Res 14:435-40, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *COLLAGEN, metabolism/ DEPRESSION, CHEMICAL/ FEMALE/ HYDROXYPROLINE, metabolism/ RATS/ TENDONS, cytology/ TENDONS, metabolism/ TENDONS, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRITIUM/ WOUND HEALING

3324. **Ruiz Velasco V, Rodríguez Argüelles J, Murguía Peñaloza R:** Control de la fertilidad con microdosis de d'norgestrel.
Ginecol Obstet Mex 33:441-9, May 73 (Spa)
ADMINISTRATION, ORAL/ ADULT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MENSTRUATION, drug effects/ *NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ *OVULATION, drug effects/ PREGNANCY

3325. **Rukosuev VS:** K metodike poluchenila chistykh antitel pri immunomorfologicheskom issledovanii.
Arkh Patol 35:76-8, 1973 (Rus)
ADSORPTION/ ALDEHYDES/ ANIMAL EXPERIMENTS/ *ANTIBODIES, isolation & purification/ *ANTIBODY FORMATION/ ANTIGENS/ ANTIGENS, isolation & purification/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ENGLISH ABSTRACT/ FLUORESCEINS/ GAMMA GLOBULIN, isolation & purification/ GLUTARATES/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ MICE, immunology/ OVALBUMIN/ PERISSODACTYLA, immunology/ RABBITS, immunology/ SERUM ALBUMIN, isolation & purification/ THIOCYANATES

3326. **Rusakov VI, Chernov VN, Skrypin EE:** Perspektivy uiushenila rezul'tatov lechenila bol'nykh appenditsitom. Klin Khir 5:12-6, May 73 (Rus)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ *APPENDECTOMY/ *APPENDICITIS, surgery/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ FEMALE/ HUMAN/ MALE/ METHYLTHIOURACIL, adminis & dosage/ MIDDLE AGE/ POSTOPERA COMPLICATIONS/ SUPPURATION/ SU TECHNICS

3327. **Russek M, Rodríguez-Zendejas AM, Teitelbau** action of adrenergic anorexigenic substanc recovered from lateral hypothalamic le
Physiol Behav 10:329-33, Feb 73
AMPHETAMINE, administration & dos *AMPHETAMINE, pharmacodynamics/ EXPERIMENTS/ APPETITE REGULAT drug effects/ BODY WEIGHT/ CIRCA RHYTHM/ *EATING, drug effects/ EPINEPHRINE, administration & dosa *EPINEPHRINE, pharmacodynamics/ F BEHAVIOR, drug effects/ FEMALE/ HUNGER/ HYPOTHALAMUS, drug ef *HYPOTHALAMUS, physiology/ INJEC INTRAPERITONEAL/ INSULIN, admi & dosage/ *INSULIN, pharmacodynam INTUBATION, GASTROINTESTINAL/ RATS

3328. **Russell RG, Kislig AM, Casey PA, et al:** diphosphonates and calcitonin on the che quantitative histology of rat bone.
Calcif Tissue Res 11:179-95, 12 Mar 7
ALKALINE PHOSPHATASE, blood/ .A EXPERIMENTS/ BONE AND BONES, BONE AND BONES, anatomy & histo *BONE DEVELOPMENT, drug effects *CALCIFICATION, PHYSIOLOGIC, dr effects/ CALCIUM, analysis/ CALCIU CALCIUM ISOTOPES/ CHEMISTRY/ COLORIMETRY/ FEMUR, drug effect MALE/ MICROSCOPY, FLUORESCEN PHOSPHATES, blood/ PHOSPHONIC administration & dosage/ *PHOSPHO ACIDS, pharmacodynamics/ PHOSPHO analysis/ RATS/ SPECTRUM ANALY STATISTICS/ *THYROCALCITONIN, pharmacodynamics/ TIBIA

3329. **Ruzhich AZh:** Patofiziologichen analiz n fraktsii na insipidniia voden balans.
Vutr Boles 12:28-41, 1973
ADRENAL GLANDS, physiopathology ANIMAL EXPERIMENTS/ CEREBRA CORTEX, physiology/ CORTISONE, pharmacodynamics/ CREATININE, an DIABETES INSIPIDUS, drug therapy *DIABETES INSIPIDUS, physiopathol DIENCEPHALON, physiopathology/ D DOGS/ ENGLISH ABSTRACT/ FEMA HUMAN/ 17-HYDROXYCORTICOSTE urine/ HYPOTHALAMUS, physiology 17-KETOSTEROIDS, urine/ MALE/ M AGE/ PITUITARY GLAND, POSTER physiopathology/ POLYURIA, drug t PREDNISONE, therapeutic use/ THI VASOPRESSIN, physiology/ *WATER-ELECTROLYTE BALANCE

3330. **Ryan JW:** Distribution of a renin-like enz bovine adrenal gland. Experientia 29:407-
ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, enzymology/ A GLANDS, physiology/ ADRENAL ME enzymology/ ANGIOTENSIN, biosynt ANIMAL EXPERIMENTS/ BUFFERS *CATTLE, physiology/ CENTRIFUGA DIALYSIS/ HYDROGEN-ION CONCENTRATION/ RABBITS/ *REN metabolism

3331. **Ryan MT:** Influence of steroid binding on hydrolysis of serum albumin.
Biochemistry 12:2221-30, 5 Jun 73
ANDROSTANES, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ ANDROSTERONE, pharmacodynamics BINDING SITES/ CALCIUM, pharmacodynamics/ CARBON ISOTO CATTLE/ CHOLESTENES, pharmaco ESTRADIOL, pharmacodynamics/ GE FILTRATION/ HUMAN/ HYDROCO pharmacodynamics/ HYDROLYSIS/ I LIGANDS/ PREGNANEDIOL, pharmacodynamics/ PROGESTERONE

harmacodynamics/ PROTEIN BINDING/
ROTEIN DENATURATION/ *SERUM
LBUMIN, metabolism/ *SERUM ALBUMIN,
OVINE, metabolism/ *STEROIDS,
harmacodynamics/ TESTOSTERONE,
harmacodynamics/ TRITIUM/ *TRYPSIN,
etabolism

ck RS: Facilitation and inhibition of learning and
nory by alcohol.
n NY Acad Sci 215:187-94, 30 Apr 73
DOLESCENCE/ ADULT/ *ALCOHOL, ETHYL,
harmacodynamics/ ANIMAL EXPERIMENTS/
IOGENIC AMINES, metabolism/ BIOGENIC
MINES, physiology/ BRAIN, drug effects/
RAIN, physiology/ BRAIN CHEMISTRY/
RAIN MAPPING/ BRAIN STEM, physiology/
ATECHOLAMINES, physiology/ DEPRESSION,
HEMICAL/ FEMALE/ HUMAN/ *LEARNING,
rug effects/ MALE/ *MEMORY, drug effects/
EMORY, SHORT-TERM, drug effects/
OTOR ACTIVITY, drug effects/
OREPINEPHRINE, metabolism/ SEROTONIN,
hysiology/ STIMULATION, CHEMICAL

kowski J, Sowiński J: Free-thyroxine index and
olute free-thyroxine in affective disorders.
cet 1:889, 21 Apr 73
DULT/ DEPRESSION, CHEMICAL/ HUMAN/
ITHIUM, adverse effects/ LONG TERM
ARE/ *PSYCHOSES, MANIC-DEPRESSIVE,
rug therapy/ *THYROID GLAND, drug
ffects/ THYROID GLAND, secretion/
HYROXINE, blood/ THYROXINE, secretion

ewaert A, Lemaire V, Ambrosini C, et al: Arthrites
ériennes aiguës suppurées après injections
-articulaires de dérivés cortisoniques.
Rhum Mal Osteoartic 40:189-93, Mar 73 (Fre)
DULT/ AGED/ *ARTHRITIS, INFECTIOUS,
iology/ ENGLISH ABSTRACT/ FEMALE/
LUCOCORTICOIDS, adverse effects/
UMAN/ *INJECTIONS, INTRA-ARTICULAR,
iverse effects/ MALE/ MIDDLE AGE/
TAPHYLOCOCCAL INFECTIONS, etiology

idt A, Ramsay CH, Nilsson IM, et al: Whole-body
radiography of 1-tetrahydrocannabinol and
-tetrahydrocannabinol in mouse.
rmacokinetic aspects of 1-tetrahydrocannabinol
its metabolites. Acta Pharm Suec 10:13-28, Mar 73
DRENAL GLANDS, metabolism/ ALCOHOL,
THYL/ ANIMAL EXPERIMENTS/
UTORADIOGRAPHY/ BONE MARROW,
etabolism/ BRAIN, metabolism/ CANNABIS,
ood/ *CANNABIS, metabolism/ EMULSIONS/
EMALE/ FETUS, metabolism/ KIDNEY,
etabolism/ LIVER, metabolism/ LUNG,
etabolism/ MALE/ MATERNAL-FETAL
XCHANGE/ MICE/ MYOCARDIUM,
etabolism/ PREGNANCY/ SPLEEN,
etabolism/ TETRAHYDROCANNABINOL,
ood/ TETRAHYDROCANNABINOL,
etabolism/ TIME FACTORS/ TRITIUM/
HOLE BODY COUNTERS

S

dra JM, Axelrod J: Demonstration and
ibution of phenylethanolamine in brain and other
ues. Proc Natl Acad Sci USA 70:769-72, Mar 73
LCOHOL, ETHYL, analysis/ ANIMAL
XPERIMENTS/ *BRAIN CHEMISTRY/ BRAIN
HEMISTRY, drug effects/
CHLOROPHENYLALANINE,
armacodynamics/ DENERVATION/
RONIAZID, pharmacodynamics/ LUNG,
alysis/ MALE/ MYOCARDIUM, analysis/
HENETHANOLAMINE
METHYLTRANSFERASE, metabolism/
HENETHYLAMINES, analysis/
HENETHYLAMINES, metabolism/
HENETHYLAMINES, pharmacodynamics/
HENYLALANINE, pharmacodynamics/
NEAL BODY, analysis/ RATS/ SPLEEN,
alysis/ SUBMANDIBULAR GLAND, analysis/
UBMANDIBULAR GLAND, innervation/
UBMANDIBULAR GLAND, metabolism/
HIOCARBAMATES, pharmacodynamics/ VAS
EFERENS, analysis

3337. Sabolović D, Dumont F: Separation and characterization of cell subpopulations in the thymus. Immunology 24:601-6, Apr 73
ANIMAL EXPERIMENTS/ *CELL MOVEMENT/ CELL SEPARATION/ CENTRIFUGATION, DENSITY GRADIENT/ CORTISONE/ *CYTOLOGICAL TECHNICS/ ELECTROPHORESIS/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ MICE/ MICE, INBRED STRAINS/ PLANT AGGLUTININS/ SERUM ALBUMIN/ THYMIDINE, metabolism/ *THYMUS GLAND, cytology/ TRITIUM

3338. Saccà L, Rengo F, Perez G, et al: Effects of hypotensive doses of prostaglandin A 1 on plasma glucose, free fatty acids and insulin in reserpinized dogs. Pharmacology 9:159-63, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BLOOD SUGAR, metabolism/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ *INSULIN, blood/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ *RESERPINE, pharmacodynamics/ STATISTICS/ TIME FACTORS

3339. Sacco AG, Shivers CA: Effects of reproductive tissue-specific antisera on rabbit eggs. Biol Reprod 8:481-90, May 73
ANIMAL EXPERIMENTS/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYALURONIDASE, metabolism/ *IMMUNE SERUMS/ KIDNEY, immunology/ *OVARY, immunology/ *OVIDUCTS, immunology/ OVULATION, drug effects/ OVUM, enzymology/ *OVUM, immunology/ PITUITARY GLAND, immunology/ RABBITS/ SPLEEN, immunology/ TIME FACTORS/ TRYPSIN, metabolism/ *UTERUS, immunology

3340. Sackler JP, Liu L: Heparin-induced osteoporosis. Br J Radiol 46:548-50, Jul 73
ADOLESCENCE/ FRACTURES, etiology/ *HEPARIN, adverse effects/ HEPARIN, therapeutic use/ HUMAN/ LUNG, blood supply/ LUNG DISEASES, drug therapy/ MALE/ *OSTEOPOROSIS, chemically induced/ OSTEOPOROSIS, radiography/ PULMONARY VEINS/ SPINAL INJURIES, etiology/ THORACIC VERTEBRAE, radiography

3341. Sacks P, Jacobs P, Gale D, et al: Combination chemotherapy in the treatment of advanced Hodgkin's disease. S Afr Med J 47:903-7, 2 Jun 73
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LEUKOPENIA, chemically induced/ MALE/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, adverse effects/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PERIPHERAL NERVE DISEASES, chemically induced/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ REMISSION/ THROMBOPENIA, chemically induced/ TIME FACTORS/ VINBLASTINE, adverse effects/ *VINBLASTINE, therapeutic use/ VINCRISTINE, adverse effects/ *VINCRISTINE, therapeutic use

3342. Sadée W, Dagcioglu M, Schröder R: Pharmacokinetics of spironolactone, canrenone and canrenoate-K in humans. J Pharmacol Exp Ther 185:686-95, Jun 73
ADULT/ AGED/ *ALDOSTERONE, antagonists & inhibitors/ CARDANOLIDES/ *CARDANOLIDES, pharmacodynamics/ FEMALE/ FLUOROMETRY/ HALF-LIFE/ HUMAN/ KETOSTEROIDS, pharmacodynamics/ KINETICS/ MALE/ MIDDLE AGE/ *MINERALOCORTICOIDS, antagonists & inhibitors/ *PREGNADIENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ SPIRONOLACTONE,

UNIVERSITY OF ILLINOIS LIBRARY URBANA-CHAMPAIGN

administration & dosage/ SPIRONOLACTONE, blood/ SPIRONOLACTONE, metabolism/ *SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, urine/ TRITIUM

3343. **Sadovsky E, Yaffe H:** Daily fetal movement recording and fetal prognosis. Obstet Gynecol 41:845-50, Jun 73
ALKALINE PHOSPHATASE, analysis/ BLOOD GROUP INCOMPATIBILITY, complications/ CESAREAN SECTION/ ESTRIOL, urine/ FEMALE/ FETAL DEATH, prevention & control/ *FETAL DISEASES, diagnosis/ FETAL HEART, physiopathology/ HEART AUSCULTATION/ HUMAN/ LEUKOCYTES, enzymology/ MEDICAL RECORDS/ *MOVEMENT/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY TOXEMIAS, complications/ PROGNOSIS/ RH FACTORS

3344. **Saeger W, Mitschke H:** Zur Pathologie des Cushing-Syndroms.
Dtsch Med Wochenschr 98:1272-5, 22 Jun 73 (32 ref.) (Ger)
ADENOMA, BASOPHILIC, complications/ ADENOMA, EOSINOPHILIC, complications/ ADENOMA, EOSINOPHILIC, pathology/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ CARCINOMA, complications/ CARCINOMA, pathology/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, secretion/ CUSHING'S SYNDROME, chemically induced/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, pathology/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ HYPERPLASIA, complications/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ PITUITARY NEOPLASMS, complications/ REVIEW

3345. **Safe S, Brewer D:** Lipid composition of Chaetomium cochliodes: effect of media. Lipids 8:311-4, May 73
ANTIBIOTICS, biosynthesis/ ASCOMYCETES, growth & development/ *ASCOMYCETES, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CULTURE MEDIA/ ERGOSTEROL, metabolism/ ESTERS, analysis/ EVOLUTION/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLYCERIDES, metabolism/ *LINOLENIC ACID, metabolism/ LIPIDS, isolation & purification/ *LIPIDS, metabolism/ MASS SPECTRUM ANALYSIS/ METHYLATION/ SPECIES SPECIFICITY/ STEROLS, metabolism/ TRIGLYCERIDES, metabolism

3346. **Said SI:** The lung: an endocrine organ?
Jap J Thorac Dis 11:Suppl:1, Mar 73
HISTAMINE, secretion/ *HORMONES, secretion/ HUMAN/ *LUNG, physiology/ PROSTAGLANDINS, secretion

3347. **Saikia NK, MacKie RM, McQueen A:** A case of bullous pemphigoid and figurate erythema in association with metastatic spread of carcinoma.
Br J Dermatol 88:331-4, Apr 73
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, surgery/ ALKALINE PHOSPHATASE, blood/ EOSINOPHILS/ ERYTHEMA, drug therapy/ *ERYTHEMA, etiology/ FLUORESCENT ANTIBODY TECHNIC/ HEPATOMEGALY/ HUMAN/ INTESTINAL OBSTRUCTION/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, etiology/ PREDNISOLONE, therapeutic use/ *RECTAL NEOPLASMS, complications/ RECTAL NEOPLASMS, surgery/ SULFONAMIDES, therapeutic use

3348. **Sairam MR, Papkoff H, Li CH:** The primary structure of ovine interstitial cell-stimulating hormone. I. The -subunit. Arch Biochem Biophys 153:554-71, Dec 72
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AUTOANALYSIS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ COUNTERCURRENT DISTRIBUTION/ CYANOGEN BROMID ELECTROPHORESIS, PAPER/ GEL FILTRATION/ GLYCOPEPTIDES, anal GLYCOPEPTIDES, isolation & purifica *LH, analysis/ PEPTIDES, analysis/ SI TRYPSIN

3349. **Sairam MR, Samy TS, Papkoff H, et al:** Th structure of ovine interstitial cell-stim hormone. II. The -subunit.
Arch Biochem Biophys 153:572-86, Dec
AMINO ACID SEQUENCE/ AMINO A analysis/ AUTOANALYSIS/ CATTLE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROM DANSYL COMPOUNDS/ ELECTROPH PAPER/ GEL FILTRATION/ *LH, an MALEATES/ PEPSIN/ PEPTIDES, an SHEEP/ SUBTILISINS/ TRYPSIN

3350. **Saito K, Uchida S, Yoshida H:** Calcium isolated synaptic membranes from rat cortex. Jap J Pharmacol 22:787-98, De
ACETYLCHOLINE, metabolism/ ADEN TRIPHOSPHATASE, metabolism/ ADE TRIPHOSPHATE, administration & do ANIMAL EXPERIMENTS/ BINDING S CAFFEINE, pharmacodynamics/ CALC *CALCIUM, metabolism/ CALCIUM IS CEREBRAL CORTEX, cytology/ CERE CORTEX, enzymology/ *CEREBRAL C metabolism/ IN VITRO/ MICROSCOP ELECTRON/ MICROSOMES, metaboli NUCLEOTIDES, pharmacodynamics/ POTASSIUM/ RATS/ SUCCINATE DEHYDROGENASE, metabolism/ *SY MEMBRANES, metabolism/ TEMPERA TIME FACTORS

3351. **Sakamoto N:** [Experimental studies on the n of ACTH secretion following acute st
Folia Endocrinol Jap 49:671-80, 20 Apr
ANIMAL EXPERIMENTS/ CIRCADIA RHYTHM/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ *CORTICOT secretion/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTR ETHERS, pharmacodynamics/ FEEDBA FEMALE/ 11-HYDROXYCORTICOSTE blood/ RATS/ STIMULATION, CHEM STRESS, blood

3352. **Salabè GB, Davoli C, Fontana S:** The immuno auto- and heteroantisera with modifie thyroglobulin.
Int Arch Allergy Appl Immunol 44:18
ANTIBODIES, HETEROTYPIC/ *ANTI DETERMINANTS/ AUTOANTIBODIES DIFFUSION TESTS/ HUMAN/ IMMU SERUMS/ MACACA, immunology/ PR TESTS/ RABBITS, immunology/ *THYROGLOBULIN/ *THYROIDITIS, immunology/ TRYPSIN/ ULTRACENTRIFUGATION/ UREA

3353. **Salama AI, Goldberg ME:** Norepinephrine tu brain monoamine levels in septal lesioned rats. Life Sci [II] 12:521-6, 8 Jun 73
*AGGRESSION/ ANIMAL EXPERIME *BRAIN, metabolism/ BRAIN, physiol MALE/ METHYLATION/ *NOREPINE metabolism/ RATS/ *SEROTONIN, m TYROSINE, metabolism

3354. **Saldanha VF, Havard CW, Bird R, et al:** Th chlorpromazine on pituitary function.
Clin Endocrinol (Oxf) 1:173-80, Apr 7
ADOLESCENCE/ ADRENAL CORTEX HORMONES, blood/ ADRENAL COR HORMONES, metabolism/ *ADRENAL GLANDS, drug effects/ ADULT/ AG BLOOD SUGAR, analysis/ CHLORPR administration & dosage/ *CHLORPR pharmacodynamics/ CHLORPROMAZIN therapeutic use/ CIRCADIAN RHYTH CORTICOTROPIN, pharmacodynamics/ FEMALE/ HUMAN/ HYPOGLYCEMIA chemically induced/ *HYPOTHALAMU

LIBRARY

effects/ INSULIN/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, drug effects/ SCHIZOPHRENIA, drug therapy/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ STIMULATION, CHEMICAL/ STRESS, chemically induced

ti IS, Nassar VH, Bulos S: The co-existence of imary hyperparathyroidism and osteogenesis perfecta. Can Med Assoc J 108:883 passim, 7 Apr 73 ADENOMA, complications/ ADENOMA, surgery/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, radiography/ MIDDLE AGE/ OSTEOGENESIS IMPERFECTA, blood/ *OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, radiography/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery

aja PG, Hamilton JM, Gronow M: Prolactin content canine pituitary gland. Endocrinol 57:495-500, Jun 73 AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ DENSITOMETRY/ *DOGS/ ESTRUS/ FEMALE/ ISOELECTRIC FOCUSING/ LACTATION/ MALE/ *PITUITARY GLAND, analysis/ PREGNANCY/ *PROLACTIN, analysis

vati A: Il ciclo mestruale fisiologico L'opinione del of. Mainaldo Maneschi. nerva Med 64:529-31, 3 Mar 73 (Ita) ENDOMETRIUM, physiology/ FEMALE/ FSH, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, physiology/ MENSTRUATION/ OVULATION/ PITUITARY HORMONE RELEASING FACTORS/ PREMENSTRUAL TENSION/ VAGINAL SMEARS

vetti A, Arzilli F, Gazzetti P, et al: Measurement of sma renin activity by angiotensin I dioimmunoassay. II. Clinical results. Nucl Biol Med 16:102-14, Apr-Jun 72 ADOLESCENCE/ ADULT/ *ANGIOTENSIN, analysis/ ANGIOTENSIN, blood/ FEMALE/ GLOMERULONEPHRITIS, diagnosis/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, diagnosis/ HYPERTENSION, RENAL, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ PYELONEPHRITIS, diagnosis/ *RADIOIMMUNOASSAY/ *RENIN, analysis/ RENIN, blood

ser M, Salzer G, Denuk H, et al: Operative handlung "solitärer" Metastasen der Brust- und ndenwirbelkörper. rch Orthop Unfallchir 15:249-54, 24 Apr 73 (Ger) AGED/ BONE CEMENTS/ BREAST NEOPLASMS, complications/ BRONCHIAL NEOPLASMS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, complications/ *LUMBAR VERTEBRAE, surgery/ MALE/ METHODS/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ POSTOPERATIVE CARE/ *SPINAL NEOPLASMS, surgery/ *THORACIC VERTEBRAE, surgery/ THYROID NEOPLASMS, complications

man PD, Bett DC: Eosinophilic facial granuloma. J Dermatol 88:199, Feb 73 *EOSINOPHILIC GRANULOMA, pathology/ *FACIAL DERMATOSES, pathology/ FACIAL NEOPLASMS, drug therapy/ GRANULOMA, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ RECURRENCE/ STEROIDS, therapeutic use

mon PJ, Brand JS, Neuman WF, et al: Metabolism labeled parathyroid hormone. I. Preparation of logically active I-125-labeled parathyroid hormone. ndocrinology 92:1596-603, Jun 73 ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROLYSIS/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ IODINE ISOTOPES/ *ISOTOPE LABELING/ MALE/ METHODS/ MITOCHONDRIA, LIVER, metabolism/ *PARATHYROID HORMONE/ PARATHYROID HORMONE, metabolism/ RATS/ SERUM ALBUMIN, BOVINE

3362. **Samsonova ML:** Tormozhenie triptofanpirrolaznoi aktivnosti pecheni krys pri vvedenii imipramina i drugikh antidepressantov.
Vopr Med Khim 19:148-52, Mar-Apr 73 (Rus)
AMITRIPTYLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ATROPINE, pharmacodynamics/ BENACTYZINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIBENZAZEPINES, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HALOPERIDOL, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *IMIPRAMINE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ KYNURENINE/ *LIVER, enzymology/ MALE/ PROPYLAMINES, pharmacodynamics/ RATS/ TRYPTOPHAN/ TRYPTOPHAN, pharmacodynamics/ TRYPTOPHAN OXYGENASE, analysis/ *TRYPTOPHAN OXYGENASE, antagonists & inhibitors

3363. **Samuelson ML:** Spay clinics and pet population control.
J Am Vet Med Assoc 162:1061-4, 15 Jun 73
ANIMAL EXPERIMENTS/ *CASTRATION/ *CATS/ COSTS AND COST ANALYSIS/ *DOGS/ FEES AND CHARGES/ LEGISLATION, VETERINARY/ *POPULATION CONTROL/ UNITED STATES/ VETERINARY MEDICINE

3364. **Sanborn BM, Korenman SG:** Further studies of the interaction of cyclic adenosine 3':5'-monophosphate with endometrial protein kinase.
J Biol Chem 248:4713-5, 10 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BINDING SITES/ CATALYSIS/ CATTLE/ CYTOSINE NUCLEOTIDES/ *ENDOMETRIUM, enzymology/ FEMALE/ GUANOSINE TRIPHOSPHATE/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/ PROTEIN BINDING/ PROTEIN KINASE/ PROTEIN KINASE, isolation & purification/ TEMPERATURE/ TRITIUM/ URACIL NUCLEOTIDES

3365. **Sanburg LL, Larsen JR:** Effect of photoperiod and temperature on ovarian development in Culex pipiens pipiens. J Insect Physiol 19:1173-90, Jun 73
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CULEX, physiology/ FEEDING BEHAVIOR/ FEMALE/ OVARY, growth & development/ *TEMPERATURE

3366. **Sanders R, McGeoch D:** A mutant transcription factor that is activated by 3':5'-cyclic guanosine monophosphate.
Proc Natl Acad Sci USA 70:1017-21, Apr 73
*BACTERIAL PROTEINS, biosynthesis/ BACTERIAL PROTEINS, metabolism/ CHROMOSOME MAPPING/ COLIPHAGES/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ *GENES, STRUCTURAL/ GENETIC CODE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ LACTOSE, metabolism/ *MUTATION/ OPERON/ *TRANSCRIPTION, GENETIC, drug effects/ TRANSDUCTION, GENETIC

3367. **Sandow J, Schally AV, Schröder HG, et al:** Pharmacological characteristics of a synthetic releasing hormone LH-FSH-RH (Hoe 471). I. Release

of luteinizing hormone.
Australas Radiol 22:1718-21, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ CELLS, CULTURED/ ESTROGENS/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *LH, secretion/ OVARY, physiology/ PEPTIDES/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE/ RADIOIMMUNOASSAY/ RATS/ SHEEP

3368. **Sandrew BB, Mayer J:** Hyperphagia induced by intrahypothalamic implants of mercury thioglucose.
Physiol Behav 10:1061-6, Jun 73
ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, pharmacodynamics/ BODY WEIGHT, drug effects/ CHLORIDES/ *EATING, drug effects/ *GLUCOSE, pharmacodynamics/ GOLD, pharmacodynamics/ GOLD THIOMALATE, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MERCURY, administration & dosage/ *MERCURY, pharmacodynamics/ RATS/ STEREOTAXIC TECHNICS/ SULFIDES, pharmacodynamics

3369. **Sandrik JM, Judy PF:** Effects of the polyenergetic character of the spectrum of 125 I on the measurement of bone mineral content.
Invest Radiol 8:143-9, May-Jun 73
*ALUMINUM, analysis/ *BONE AND BONES, analysis/ FILTRATION/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ SPECTRUM ANALYSIS/ *TIN, analysis

3370. **Sandrini Neto R, Rivarola MA, Coco R, et al:** The testis in patients with abnormalities of sex differentiation. Histology and endocrine function.
Acta Endocrinol (Kbh) 73:179-88, May 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ GENITALIA, abnormalities/ GONADOTROPINS, CHORIONIC, diagnostic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADS, abnormalities/ HERMAPHRODITISM/ HUMAN/ INFANT/ MALE/ PSEUDOHERMAPHRODITISM/ PUBERTY/ SEX CHROMATIN/ SEX CHROMOSOMES/ *SEX DIFFERENTIATION DISORDERS/ *TESTIS/ TESTIS, pathology/ TESTIS, physiopathology/ TESTOSTERONE, blood

3371. **Santi DV, Sibley CH, Perriard ER, et al:** A filter assay for steroid hormone receptors.
Biochemistry 12:2412-6, 19 Jun 73
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CELLULOSE/ CHARCOAL/ COMPARATIVE STUDY/ *CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ ESTROGENS/ FEMALE/ FILTRATION/ GLUCOCORTICOIDS, analysis/ *GLUCOCORTICOIDS, metabolism/ *HEPATOMA, metabolism/ LIVER, metabolism/ *LIVER NEOPLASMS, metabolism/ LYMPHOMA, metabolism/ MALE/ MICE/ MINERALOCORTICOIDS/ NEOPLASMS, EXPERIMENTAL, metabolism/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ UTERUS, metabolism

3372. **Santini R, Brard E, Roche M, et al:** Etude biochimique comparée du tractus digestif des oiseaux.
C R Soc Biol (Paris) 166:404-9, 9 Nov 72 (Fre)
*ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ *BIRDS/ CHICKENS/ *CHOLINESTERASE, metabolism/ *GASTROINTESTINAL SYSTEM, metabolism/ *MONOAMINE OXIDASE, metabolism/ QUAIL/ *SEROTONIN, metabolism

3373. **Saporta L, Ghozlan R, Liévre JA, et al:** Hyperparathyroïdisme primitif et polyarthrite rhumatoïde (à propos d'une observation.
Rev Rhum Mal Osteoartic 39:303-6, Apr 72 (Fre)
*ADENOMA, complications/ ADENOMA, surgery/ AGED/ *ARTHRITIS, RHEUMATOID, etiology/ CASE REPORT/ HUMAN/ *HYPERPARATHYROIDISM, complicat
MALE/ *PARATHYROID NEOPLASMS complications/ PARATHYROID NEOPI surgery/ PROGNOSIS/ SERODIAGNOS

3374. **Sarkar NK:** Differences between rats and c response to synthetic glucocorticostero
J Steroid Biochem 4:163-70, Mar 73
ALANINE AMINOTRANSFERASE, me
ANIMAL EXPERIMENTS/ ASPARTAT AMINOTRANSFERASE, metabolism/ I SUGAR, metabolism/ CARBON ISOTO CHICKENS/ FASTING/ FRUCTOSE DIPHOSPHATASE, metabolism/ GLUCOSEPHOSPHATASE, metabolism GLYCOGEN PHOSPHORYLASE, meta LEUCINE, metabolism/ *LIVER, drug LIVER, enzymology/ LIVER, metaboli LIVER GLYCOGEN, metabolism/ MAI PROTEINS, biosynthesis/ RATS/ RIBONUCLEASE, metabolism/ RNA, metabolism/ SPECIES SPECIFICITY/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics

3375. **Sasano N, Kunii H, Honma S, et al:** Uterine c choriocarcinoma-mimicry and urinary go activities. Tohoku J Exp Med 109:29-3
ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, urine/ ADULT CARCINOMA, EPIDERMOID, patholog *CARCINOMA, EPIDERMOID, urine/ NEOPLASMS, pathology/ CERVIX NEOPLASMS, urine/ CHORIOCARCIN pathology/ *CHORIOCARCINOMA, uri ELECTROPHORESIS/ FEMALE/ FSH *GONADOTROPINS, urine/ GONADOT CHORIONIC, urine/ HEXOSES, urine HUMAN/ LH, urine/ MIDDLE AGE/ NEOPLASMS, pathology/ *UTERINE NEOPLASMS, urine

3376. **Sathyanesan AG, Haider S, Srivastava** Hypothalamic neurosecretory system of Puntius sophore (Ham.). Anat Anz 133:
ANIMAL EXPERIMENTS/ *FISHES, & histology/ *HYPOTHALAMUS, cyt *NEUROSECRETORY SYSTEMS, cyto PITUITARY GLAND, cytology/ PITU GLAND, POSTERIOR, cytology

3377. **Sato S:** [Isolation of cyclic AMP using column and the improvement of its application of adenyl-cyclase assay]
Clin Endocrinol (Tokyo) 21:73-8, Jan
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purif *ADENYL CYCLASE/ ALUMINUM/ EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ METHODS/ O

3378. **Sato T:** [Clinical description of Turner's
Jap J Nurs Art 19:61-70, May 73
SPECIAL LIST NURSING/ TURNER SYNDROME

3379. **Satrapa R, Grunert E, Silva CA:** Unte Ostrogengehalt im Kot neugeborener
Dtsch Tieraerztl Wochenschr 80:179-81,
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, physiology/ *CATTLE, p ENGLISH ABSTRACT/ *ESTROGENS *FECES, analysis/ FEMALE/ MALE

3380. **Sauer H, Wilms K, Wilmanns W, et al:** Die A Methionin-Synthetase (5-methyl-5,6,7,8-tetrahydrofolsäure: Homocystransferase) als Proliferationsp wachsenden Zellen.
Acta Haematol (Basel) 49:200-10, 197
CELL DIVISION/ CELLS, CULTURE CYTARABINE, therapeutic use/ DNA NUCLEOTIDYL- TRANSFERASES, m ENGLISH ABSTRACT/ FOLIC ACID HUMAN/ IN VITRO/ *LEUKEMIA, enzymology/ LEUKEMIA, LYMPHOB drug therapy/ LEUKEMIA, LYMPHO enzymology/ LEUKEMIA, LYMPHOC

LIBRARY NIOSH

nzymology/ LEUKEMIA, MYELOBLASTIC,
nzymology/ LEUKEMIA, MYELOCYTIC,
nzymology/ LEUKOCYTES, enzymology/
ETHIONINE/ *METHYLTRANSFERASES,
etabolism/ PREDNISOLONE, therapeutic use/
ETRAHYDROFOLATES/ THIOGUANINE,
erapeutic use/ THYMIDINE KINASE,
etabolism/ VINCRISTINE, therapeutic use

JJ, Litt R, Espiritu CE, et al: Familial bird-headed
rfism (Seckel's syndrome).
ied Genet 10:196-8, Jun 73
ABNORMALITIES, MULTIPLE, familial &
enetic/ ADULT/ AUTOSOME
BNORMALITIES/ *BONE DISEASES, familial
genetic/ CEPHALOMETRY/ CHILD,
RESCHOOL/ *DWARFISM,
milial & genetic/ *FACIAL EXPRESSION/
EMALE/ HUMAN/ KARYOTYPING/ MALE/
ENTAL RETARDATION, familial & genetic/
RAL MANIFESTATIONS/ PEDIGREE

lers MG, Taylor DM, Trott NG: The dosimetry of
a citrate in man. Br J Radiol 46:456-63, Jun 73
ONE AND BONES, analysis/ GALLIUM,
ministration & dosage/ GALLIUM, blood/
ALLIUM, metabolism/ *GALLIUM,
erapeutic use/ HALF-LIFE/ *HODGKIN'S
SEASE, radiotherapy/ HUMAN/
JECTIONS, INTRAVENOUS/ LIVER,
alysis/ LYMPH NODES, analysis/
ADIOISOTOPE SCANNING/
ADIOISOTOPES/ *RADIOTHERAPY
OSAGE/ SPLEEN, analysis

e TM, Blogg CE, Foley EI, et al: The
iorespiratory effects of Althesin and ketamine. A
parison. Anaesthesia 28:391-9, Jul 73
DULT/ *ANESTHETICS, pharmacodynamics/
LOOD PRESSURE, drug effects/ BODY
EIGHT/ CARBON DIOXIDE, blood/
ARDIAC OUTPUT, drug effects/
ARDIOVASCULAR SYSTEM, drug effects/
ATHETERIZATION/ CENTRAL VENOUS
RESSURE, drug effects/ CLINICAL
ESEARCH/ COMPARATIVE STUDY/ DYE
LUTION TECHNIC/
LECTROCARDIOGRAPHY/ FEMALE/
UMAN/ HYDROXYSTEROIDS,
armacodynamics/ *KETAMINE,
armacodynamics/ KETOSTEROIDS,
armacodynamics/ MALE/ MIDDLE AGE/
XYGEN, blood/ PARTIAL PRESSURE/
REGNANES, pharmacodynamics/
ESPIRATION, drug effects/ *RESPIRATION,
ug effects

ev VS, Gologorskii VA, Koshkin VM, et al: Opyt
enenila inderala pri khirurgicheskom lechenii
ykh tireotoksikozom.
urgiia (Mosk) 48:17-20, Sep 72 (Rus)
DULT/ ENGLISH ABSTRACT/ FEMALE/
OITER, EXOPHTHALMIC, surgery/ *GOITER,
OPHTHALMIC, therapy/ HUMAN/
OSTOPERATIVE CARE/ PREOPERATIVE
ARE/ *PROPRANOLOL, therapeutic use

a PN: Soderzhanie ioda v nekotorykh
chevykh produktakh rastitel'nogo
khozhdeniia, vyrashchivaemykh v Tomskoi
sti. Vopr Pitan 31:77-8, Sep-Oct 72 (Rus)
OD ANALYSIS/ GOITER, ENDEMIC,
currence/ HUMAN/ *IODINE, analysis/
SSIAN FEDERATION (ASIA)/
EGETABLES, analysis/ *WHEAT, analysis

a F, Samejima T, Saneyoshi M: Interaction of
oguanylic acid homologues with ribonuclease T 1.
trophotometric and gel filtration studies.
im Biophys Acta 299:596-602, 11 Apr 73
NDING SITES/ CIRCULAR DICHROISM/
OLIPHAGES, enzymology/ GEL
LTRATION/ *GUANINE NUCLEOTIDES/
ANOSINE CYCLIC 3',5' MONOPHOSPHATE/
OLECULAR CONFORMATION/ PROTEIN
NDING/ *RIBONUCLEASE/
ECTROPHOTOMETRY, ULTRAVIOLET/
IOGUANINE

er CH): Citation for the Koch Award of The Endocrine Society for 1973 to C.H. Sawyer, Ph.D. and J.W. Everett, Ph.D. Endocrinology 93:262-4, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ *SOCIETIES, SCIENTIFIC/ UNITED STATES

3388. **(Sawyer CH): Citation for the Koch Award of the Endocrine Society for 1973 to C.H. Sawyer, Ph.D. and J.W. Everett, Ph.D.**
J Clin Endocrinol Metab 37:165-7, Jul 73
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ UNITED STATES

3389. **Sawyer WH: Lungfishes and amphibians: endocrine adaptation and the transition from aquatic to terrestrial life.** Fed Proc 31:1609-14, Nov-Dec 72
*ADAPTATION, PHYSIOLOGICAL/ ADRENAL CORTEX HORMONES, physiology/ AMPHIBIA, physiology/ ANIMAL EXPERIMENTS/ BLOOD VESSELS, metabolism/ DIURESIS/ EVOLUTION/ *FISHES, physiology/ GLOMERULAR FILTRATION RATE/ HYPOTONIC SOLUTIONS/ INULIN, metabolism/ KIDNEY, blood supply/ KIDNEY, physiology/ KIDNEY TUBULES, physiology/ PHYSIOLOGY, COMPARATIVE/ *PITUITARY HORMONES, POSTERIOR, physiology/ PROLACTIN, physiology/ RECEPTORS, HORMONE/ SODIUM, metabolism/ SODIUM, urine/ VASOTOCIN, physiology/ WATER, metabolism/ *WATER-ELECTROLYTE BALANCE

3390. **Sawyer WH, Manning M: Synthetic analogs of oxytocin and the vasopressins.**
Annu Rev Pharmacol 13:1-17, 1973 (55 ref.)
AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPARAGINE, pharmacodynamics/ CYSTINE, pharmacodynamics/ FROGS/ HYPOTHALAMUS, drug effects/ IN VITRO/ *OXYTOCIN/ OXYTOCIN, chem synthesis/ OXYTOCIN, pharmacodynamics/ PEPTIDE CHAIN TERMINATION/ PEPTIDES, isolation & purification/ PEPTIDES, pharmacodynamics/ PHENYLALANINE, pharmacodynamics/ PROLINE, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ TYROSINE/ TYROSINE, pharmacodynamics/ *VASOPRESSIN/ VASOPRESSIN, chem synthesis/ VASOPRESSIN, pharmacodynamics

3391. **Saxena A: Gonadotropin inhibitory factors (GIF) in rats.** Endocrinol Exp (Bratisl) 7:69-74, 1973
ANIMAL EXPERIMENTS/ FEMALE/ *FSH, antagonists & inhibitors/ FSH, secretion/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOPHYSECTOMY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *LH, antagonists & inhibitors/ LH, secretion/ ORGAN WEIGHT/ OVARY/ PITUITARY GLAND, secretion/ RATS

3392. **Saxena BB, Rathnam P, Römmler A: Human pituitary follicle stimulating (FSH) and luteinizing (LH) hormones: current status.**
Endocrinol Exp (Bratisl) 7:19-36, 1973 (98 ref.)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, metabolism/ ANIMAL EXPERIMENTS/ ANTIBODIES/ CHEMISTRY/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIOXINS/ ELECTROPHORESIS/ ENDOCRINE DISEASES, metabolism/ FEMALE/ *FSH/ FSH, blood/ FSH, isolation & purification/ FSH, physiology/ FSH, urine/ GONADOTROPINS, CHORIONIC, isolation & purification/ HUMAN/ IODINE ISOTOPES/ *LH/ LH, isolation & purification/ LH, physiology/ LH, urine/ MALE/ MENSTRUATION/ MOLECULAR WEIGHT/ OVULATION/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, physiology/ PREGNANCY/ PUBERTY/ RADIOIMMUNOASSAY/ RATS/ REVIEW

3393. **Scacchi P, Moguilevsky JA, Schiaffini O: Glucose oxidation in the hypothalamus during the sexual cycle**

in rats: influence of castration.
Neuroendocrinology 11:321-7, 1973
ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ *CASTRATION/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ *ESTRUS/ FEMALE/ *GLUCOSE, metabolism/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MALE/ OXYGEN CONSUMPTION/ RATS

3394. **Scandellari C, Conte N, Federspil G, et al:** A propos du mēcanisme de l'effet hypocalcēmiant du glucagon chez l'homme. Etudies á l'aide de calcium radio-actif.
Ann Endocrinol (Paris) 33:464-70, Jul-Aug 72 **(Fre)**
ADULT/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ *GLUCAGON/ GLUCAGON, metabolism/ HUMAN/ *HYPOCALCEMIA, chemically induced/ HYPOCALCEMIA, physiopathology/ KINETICS/ MIDDLE AGE/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ THYROCALCITONIN, pharmacodynamics

3395. **Scanlon JW, Alper MH:** Perinatal pharmacology and evaluation of the newborn.
Int Anesthesiol Clin 11:163-74, Summer 73
AMNIOTIC FLUID, metabolism/ *ANESTHESIA, OBSTETRICAL/ ANESTHETICS, metabolism/ *ANESTHETICS, pharmacodynamics/ ANIMALS, NEWBORN, physiology/ APGAR SCORE/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN/ LABOR, drug effects/ MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ PREGNANCY, drug effects

3396. **Schachner M:** Serologically demonstrable cell surface specificities on mouse neuroblastoma C1300.
Nature [New Biol] 243:117-9, 23 May 73
ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM/ AUTOANTIBODIES/ CELL DIFFERENTIATION/ *CELL MEMBRANE, immunology/ CELLS, CULTURED/ CLONE CELLS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HISTOCOMPATIBILITY ANTIGENS/ T-LYMPHOCYTES, immunology/ MICE/ NERVE GROWTH FACTOR/ NERVE TISSUE PROTEINS/ *NEUROBLASTOMA, immunology/ *NEURONS, immunology

3397. **Schaefer K, Herrath D von, Kraft D:** Vitamin-D-Stoffwechsel und chronische Niereninsuffizienz.
Dtsch Med Wochenschr 98:1338-44, 6 Jul 73 (98 ref.) **(Ger)**
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHOLECALCIFEROL, metabolism/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ HYPERPARATHYROIDISM, SECONDARY, metabolism/ KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY FAILURE, CHRONIC, metabolism/ LIVER, metabolism/ PARATHYROID HORMONE, metabolism/ RATS/ RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, metabolism/ RENAL OSTEODYSTROPHY, prevention & control/ REVIEW/ UREMIA, metabolism/ VITAMIN D, administration & dosage/ *VITAMIN D, metabolism

3398. **Schaefer K, Herrath D von, Kraft D:** Calciumstoffwechselstörungen bei antiepileptischer Therapie.
Dtsch Med Wochenschr 98:1043-6, 18 May 73 (44 ref.) **(Ger)**
ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, pharmacodynamics/ ANTICONVULSANTS, therapeutic use/ BONE DISEASES, chemically induced/ BONE DISEASES, metabolism/ CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CALCIUM METABOLISM DISORDERS, chemically induced/ CALCIUM MET… DISORDERS, prevention & control/ CHOLECALCIFEROL, metabolism/ CHOLECALCIFEROL, therapeutic us… DIPHENYLHYDANTOIN, pharmacody… ENZYME INDUCTION, drug effects/ EPILEPSY, drug therapy/ HUMAN/ INTESTINAL ABSORPTION/ LIVER, effects/ LIVER, enzymology/ LIVER metabolism/ PHENOBARBITAL, pharmacodynamics/ RATS/ REVIEW…

3399. **Schaeffer LD, Sproles A, Krakowski A:** … cyclic AMP in parotid saliva of normal …
J Comp Neurol 52:629, May-Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HUMA… HYDROGEN-ION CONCENTRATION/ *PAROTID GLAND/ *SALIVA, analy… SECRETORY RATE/ STIMULATION… CHEMICAL

3400. **Schaeppi U, Thompson GR, Fleischman…** Preclinical toxicologic evaluation of … (NSC-125066) in rhesus monkeys.
Cancer Chemother Rep [Suppl] 4:Suppl…
ADRENAL GLANDS, metabolism/ A… EXPERIMENTS/ *ANTIBIOTICS, ANTINEOPLASTIC, toxicity/ BLEO… pharmacodynamics/ BLEOMYCIN, to… BLOOD CELL COUNT/ BODY TEMPERATURE, drug effects/ BOD… WEIGHT, drug effects/ DOSE-RESP… RELATIONSHIP, DRUG/ GASTROIN… SYSTEM, drug effects/ KIDNEY, drug effects/ LIPIDS, metabolism/ MONKEYS/ SKIN, drug effects/ WATER-ELECTROLYTE BALANCE, effects

3401. **Schäfer HJ:** Ultrastructure and ion distrib… intestinal cell during experimental … deficiency rickets in rats.
Virchows Arch [Pathol Anat] 359:111-2…
ALKALINE PHOSPHATASE, blood/ EXPERIMENTS/ BIOLOGICAL TRA… ACTIVE/ BODY WEIGHT/ CALCIU… analysis/ CALCIUM, blood/ *DUODE… pathology/ ENDOPLASMIC RETICU… FEMALE/ GOLGI APPARATUS/ GI… INTESTINAL MUCOSA, analysis/ *INTESTINAL MUCOSA, pathology/ MICROSCOPY, ELECTRON/ MITOC… SWELLING/ PHOSPHATES, blood/ RICKETS, blood/ *RICKETS, pathol… SODIUM, analysis/ VITAMIN D DE… complications

3402. **Schäfer KH:** Rachitis-Symptome und … Vitamin-D-Therapie.
Dtsch Med Wochenschr 98:1191, 8 J…
HUMAN/ INFANT/ RICKETS, diag… *RICKETS, drug therapy/ RICKETS… prevention & control/ SKULL, grow… development/ VITAMIN D, adminis… dosage/ *VITAMIN D, therapeutic …

3403. **Schall GL, Roth JA, Temple R:** Different… 125 I - and 99m TcO 4 - in a histologic… metastatic thyroid carcinoma.
J Surg Oncol 5:235-42, 1973
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, surgery/ ADU… REPORT/ COMPARATIVE STUDY/ HUMAN/ *IODINE ISOTOPES, DIA… LYMPH NODE EXCISION/ *NECK … NEOPLASMS, diagnosis/ NECK NE… surgery/ *RADIOISOTOPE SCANNI… *TECHNETIUM/ *THYROID NEOPL… diagnosis/ THYROID NEOPLASMS, … THYROIDECTOMY

3404. **Schall RF Jr:** Digoxin radioimmunoassay: … loss of sensitivity. Clin Chem 19:6…
ANTIGENS/ BINDING SITES, ANT… BLOOD PROTEINS/ CARDANOLID… *DIGOXIN, blood/ DRUG STABILI… EVALUATION STUDIES/ HUMAN/ ISOTOPES/ IODOTYROSINE/ MET… MICROCHEMISTRY/ PROTEIN BIN…

LIBRARY U. OF …

ADIOIMMUNOASSAY/ SUCCINATES/ TIME
ACTORS

ly AV, Arimura A, Kastin AJ, et al: Inhibition of release of growth hormone in vitro by -melanocyte ulating hormone.
hem Biophys Res Commun 52:1314-9, 19 Jun 73
NIMAL EXPERIMENTS/ CATTLE/
HROMATOGRAPHY, ION EXCHANGE/ GEL
ILTRATION/ HYPOTHALAMUS, analysis/ IN
ITRO/ MSH, isolation & purification/ *MSH,
harmacodynamics/ PITUITARY GLAND, drug
ffects/ *PITUITARY GLAND, secretion/
ATS/ *SOMATOTROPIN, secretion/ SWINE/
ISSUE EXTRACTS, pharmacodynamics

nbelan M, Howes EL Jr, Noakes CA, et al: Role of n and aldosterone in hypertension due to a n-secreting tumor. Am J Med 55:86-92, Jul 73
DRENALECTOMY/ ADULT/
LDOSTERONE, blood/ ALDOSTERONE,
cretion/ ALDOSTERONE, urine/ DIET,
ALT-FREE/ HUMAN/ *HYPERTENSION,
iology/ KIDNEY, pathology/ *KIDNEY
EOPLASMS, complications/ KIDNEY
EOPLASMS, pathology/ KIDNEY
EOPLASMS, surgery/ MALE/
EPHRECTOMY/ POSTURE/ POTASSIUM,
ood/ POTASSIUM, urine/ RENAL VEINS,
ysiopathology/ *RENIN, blood/ RENIN,
cretion/ SODIUM, blood

er K, Heisler N, Sterner W:
gzeit-Verträglichkeitsversuche mit Glibornurid der Ratte und am Hund.
eim Forsch 22:Suppl 12a:2188+, Dec 72 (Ger)
DRENAL GLANDS/ ANIMAL
XPERIMENTS/ ANTIDIABETICS,
ministration & dosage/ *ANTIDIABETICS,
xicity/ BLOOD SUGAR/ BODY WEIGHT,
ug effects/ BORNANES, administration &
sage/ BORNANES, toxicity/ BRAIN/ DOGS/
RUG TOLERANCE/ ENGLISH ABSTRACT/
EMALE/ GONADS/ HEART/ KIDNEY/
VER/ MALE/ ORGAN WEIGHT/ RATS/
PLEEN/ SULFONYLUREA COMPOUNDS,
ministration & dosage/ *SULFONYLUREA
OMPOUNDS, toxicity/ TIME FACTORS

ovsky GO, Dlugovitzky DG, Morini JC, et al: onged survival of ovarian allografts in rats reated with normal ribonucleic acid.
splantation 15:329-31, Mar 73
NIMAL EXPERIMENTS/ CASTRATION/
EMALE/ *GRAFT REJECTION/ GRAFT
JECTION, drug effects/ ORGAN WEIGHT/
VARY, transplantation/ RATS/ RATS,
BRED STRAINS/ *RNA, administration &
sage/ SPLEEN, immunology/ TIME
CTORS/ TRANSPLANTATION,
OMOLOGOUS/ TRANSPLANTATION
MUNOLOGY/ UTERUS/ VAGINAL SMEARS

of LG Jr, Hill ID, Wright PL, et al: Tetralogy es on methylmercury hydroxide and lotriacetate sodium in rats.
re 243:461-3, 16 Feb 73
BNORMALITIES, DRUG-INDUCED/ *ACETIC
IDS, adverse effects/ ADMINISTRATION,
AL/ ANIMAL EXPERIMENTS/ BIRTH
EIGHT/ BRAIN, abnormalities/ DRUG
TERACTIONS/ FEMALE/ FETAL
SEASES, chemically induced/
STATIONAL AGE/ HEART DEFECTS,
NGENITAL, chemically induced/
DROCEPHALUS, chemically induced/
ERCURY, administration & dosage/
ERCURY, adverse effects/ MERCURY,
xicity/ NITRILOTRIACETIC ACID,
ministration & dosage/ NITRILOTRIACETIC
ID, adverse effects/ ORGANOMETALLIC
MPOUNDS, administration & dosage/
RGANOMETALLIC COMPOUNDS, adverse
ects/ ORGANOMETALLIC COMPOUNDS,
xicity/ PREGNANCY/ RATS/ RIBS,
normalities/ TESTIS, abnormalities

H, Katsilambros N, Hinz M, et al: Hypophysis function of pancreatic islets. II. The effect of titution with growth hormone and corticotrophin on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of hypophysectomized rats. Diabetologia 9:140-4, Apr 73
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, physiology/ HUMAN/ HYPOPHYSECTOMY/ INSULIN, biosynthesis/ INSULIN, secretion/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, physiology/ MALE/ *PITUITARY GLAND, physiology/ PROINSULIN, biosynthesis/ RATS/ *SOMATOTROPIN, physiology/ SWINE

3411. **Schatz H, Maier V, Hinz M, et al:** Stimulation of H-3-leucine incorporation into the proinsulin and insulin fraction of isolated pancreatic mouse islets in the presence of glucagon, theophylline and cyclic AMP. Diabetes 22:433-41, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ INSULIN, biosynthesis/ *INSULIN, metabolism/ *ISLANDS OF LANGERHANS, metabolism/ *LEUCINE, metabolism/ MALE/ MICE/ *PROINSULIN, metabolism/ *THEOPHYLLINE, pharmacodynamics/ TISSUE CULTURE/ TRITIUM

3412. **Schatz H, Maier V, Hinz M, et al:** Hypophysis and function of pancreatic islets. 3. Secretion and biosynthesis of insulin in isolated pancreatic islets of intact and hypophysectomized rats in the presence of growth hormone, corticotrophin and human chorionic somatotrophin in vitro.
Horm Metab Res 5:29-33, Jan 73
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCOSE, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ HYPOPHYSECTOMY/ *INSULIN, biosynthesis/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, physiology/ ISLANDS OF LANGERHANS, secretion/ LEUCINE, metabolism/ MALE/ ORGAN CULTURE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ PROINSULIN, biosynthesis/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, pharmacodynamics/ SWINE/ TIME FACTORS/ TRITIUM

3413. **Schatz H, Mendelblatt F:** Solar retinopathy from sun-gazing under the influence of LSD.
Br J Ophthalmol 57:270-3, Apr 73
ADOLESCENCE/ ADULT/ EDEMA/ FEMALE/ HUMAN/ *LYSERGIC ACID DIETHYLAMIDE, adverse effects/ MALE/ OPHTHALMOSCOPY/ PREDNISONE, therapeutic use/ RETINAL DISEASES, drug therapy/ *RETINAL DISEASES, etiology/ SCOTOMA/ *SUNLIGHT/ VISUAL ACUITY

3414. **Schatz H, Rahman YA, Hinz M, et al:** Hypophysis and function of pancreatic islets. I. The influence of hypophysectomy on insulin secretion and biosynthesis of proinsulin and insulin in isolated pancreatic islets of rats. Diabetologia 9:135-9, Apr 73
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY/ INSULIN, biosynthesis/ INSULIN, secretion/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, physiology/ LEUCINE/ MALE/ *PITUITARY GLAND, physiology/ PROINSULIN, biosynthesis/ PROINSULIN, secretion/ RATS/ TRITIUM

3415. **Schaumburg-Lever G, Saffold OE, Orfanos CE, et al:** Herpes gestationis. Histology and ultrastructure.
Arch Dermatol 107:888-92, Jun 73
ADULT/ BIOPSY/ BLISTER, pathology/ DESMOSOMES/ EDEMA, etiology/ EOSINOPHILS/ ERYTHEMA, etiology/ EXTRACELLULAR SPACE/ FEMALE/ HUMAN/ INFLAMMATION, pathology/ MACROPHAGES/ MELANOCYTES/ NECROSIS/ ORGANOIDS/ PREDNISONE, therapeutic use/

PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY COMPLICATIONS, pathology/ SKIN DISEASES, complications/ SKIN DISEASES, drug therapy/ *SKIN DISEASES, pathology

3416. **Scheib D:** Etude cytologique de la différenciation postnatale des cellules interstitielles du testicule de la caille japonaise.
C R Acad Sci [D] (Paris) 276:999-1002, 5 Feb 73 **(Fre)**
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ HYPERTROPHY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, metabolism/ LIGHT/ MALE/ MICROSCOPY, ELECTRON/ PHYSICAL STIMULATION/ QUAIL/ TESTIS, cytology/ TESTIS, enzymology/ *TESTIS, growth & development

3417. **Schenk R, Merz WA, Mühlbauer R, et al:** Effect of ethane-1-hydroxy-1,1-diphosphonate (EHDP) and dichloromethylene diphosphonate (Cl 2 MDP) on the calcification and resorption of cartilage and bone in the tibial epiphysis and metaphysis of rats.
Calcif Tissue Res 11:196-214, 12 Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES, anatomy & histology/ *BONE DEVELOPMENT, drug effects/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ CARTILAGE, drug effects/ HUMAN/ MALE/ MICRORADIOGRAPHY/ OSTEOCLASTS/ OSTEOPETROSIS/ PHOSPHONIC ACIDS, administration & dosage/ *PHOSPHONIC ACIDS, pharmacodynamics/ RATS/ TIBIA, drug effects

3418. **Schettler G, Seidel D, Greten H:** Advances in lipoprotein research: biochemical and clinical aspects. Med J Aust 1:942-6, 12 May 73
APOPROTEINS, blood/ BLOOD PROTEIN ELECTROPHORESIS/ CHOLESTEROL, blood/ CHYLOMICRONS, blood/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERLIPEMIA/ HYPERLIPEMIA, blood/ HYPERLIPEMIA, diagnosis/ HYPERLIPEMIA, etiology/ HYPERLIPEMIA, familial & genetic/ HYPERTHYROIDISM, blood/ JAUNDICE, diagnosis/ JAUNDICE, OBSTRUCTIVE, complications/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ PROTEIN BINDING/ THYROID DISEASES, complications/ TRIGLYCERIDES, blood

3419. **Schibeci A, Rattray JB, Kidby DK:** Isolation and identification of yeast plasma membrane.
Biochim Biophys Acta 311:15-25, 7 Jun 73
ADENOSINE TRIPHOSPHATASE, analysis/ CARBOHYDRATES, analysis/ CARBON ISOTOPES/ CELL FRACTIONATION/ *CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ DANSYL COMPOUNDS/ ETHYLMALEIMIDE/ FLUORINE/ FUNGAL PROTEINS, analysis/ IODINE/ IODINE ISOTOPES/ MICROSCOPY, ELECTRON/ NITROBENZENES/ PHOSPHOLIPIDS, analysis/ PHOSPHORUS ISOTOPES/ PROTOPLASTS, analysis/ RNA, analysis/ *SACCHAROMYCES CEREVISIAE, cytology/ SACCHAROMYCES CEREVISIAE, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROLS, analysis

3420. **Schick M:** Survival with adrenal carcinoma.
JAMA 224:1763, 25 Jun 73
*ADRENAL GLAND NEOPLASMS, drug therapy/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ MITOTANE, therapeutic use/ NEOPLASM METASTASIS

3421. **Schifrin BS, Erez S, Moore JG:** Teen-age endometriosis.
Am J Obstet Gynecol 116:973-80, 1 Aug 73
ADOLESCENCE/ ADULT/ APPENDICITIS, diagnosis/ CHILD/ CURETTAGE/ DIAGNOSIS, DIFFERENTIAL/ DILATATION/ DYSMENORRHEA, complications/ ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, diagnosis/ *ENDOMETRIOSIS, etiology/ FEMALE/ FOLLOW-UP STUDIES/ *GENITALIA, FEMALE, abnormalities/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MENSTRUATION DISORDERS, compli... OVARIAN CYSTS, complications/ UROGENITAL NEOPLASMS, complica...

3422. **Schilling RM, Biobel R:** Corticotrophin-relea... activity in hypothalamic extracts of ...
Acta Endocrinol (Kbh) 73:1-10, May ...
ADULT/ AGED/ ANIMAL EXPERIM... CHLORPROMAZINE, pharmacodynami... CORTICOSTERONE, blood/ CORTICO... metabolism/ CORTICOTROPIN RELE... FACTOR, isolation & purification/ *CORTICOTROPIN RELEASING FAC... metabolism/ CORTICOTROPIN RELE... FACTOR, pharmacodynamics/ DOSE-... RELATIONSHIP, DRUG/ FEMALE/ FLUORESCENCE SPECTROMETRY/ ... FILTRATION/ GONADOTROPINS, is... purification/ HUMAN/ HYPOPHYSEC... HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MA... MIDDLE AGE/ MORPHINE, pharmacodynamics/ OXYTOCIN, bloo... PENTOBARBITAL, pharmacodynamics... SPECTROPHOTOMETRY/ TISSUE E... VASOPRESSIN, blood

3423. **Schindler AE, Walk T, Friedrich E:** Betrach... Stoffwechsel von Dehydroepinandroster... der Schwangerschaft.
Med Welt 23:1947-8, 16 Dec 72
*DEHYDROEPIANDROSTERONE, me... FEMALE/ HUMAN/ MATERNAL-FE... EXCHANGE/ PLACENTA, metabolis... *PREGNANCY

3424. **Schipp R, Höhn P, Ginkel G:** Elektronenmikroskopische und histoch... Untersuchungen zur Funktion der Bra... (Parabrahcnialdrüse) der Cephalopoda...
Z Zellforsch Mikrosk Anat 139:253-69, 18 M...
ANIMAL EXPERIMENTS/ CELL NU... CELL NUCLEUS/ CHROMATIN/ CO... COPPER/ CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ *ENDO... GLANDS, cytology/ ENDOCRINE GL... physiology/ ENDOCRINE GLANDS, ... ENDOPLASMIC RETICULUM/ ENDO... cytology/ ENGLISH ABSTRACT/ HEMOCYANIN/ HISTOCYTOCHEMIS... MICROSCOPY/ MICROSCOPY, ELEC... MITOCHONDRIA/ MONOAMINE OXI... *OCTOPUS, anatomy & histology/ OXIDOREDUCTASES/ PHOSPHATAS... RIBOSOMES/ *SQUID, anatomy & hi...

3425. **Schlesinger S, MacGillivray MH, Munsc...** Acceleration of growth and bone ma... childhood thyrotoxicosis. J Pediatr 83:23...
AGE DETERMINATION BY SKELET... FACTORS/ BODY HEIGHT/ *BONE ... BONES, growth & development/ CH... CHILD DEVELOPMENT/ CHILD, PR... EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ *GROWTH ... DISORDERS, etiology/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ MALE/ PROPYLTHIOURACIL, thera...

3426. **Schlettwein-Gsell D, Mommsen-Straub ...** Spurenelemente in Lebensmittein. XI. ...
Int J Vitam Nutr Res 43:242-50, 197...
CHOLESTEROL, biosynthesis/ DENT... CARIES, prevention & control/ ENG... ABSTRACT/ *FOOD ANALYSIS/ GO... ENDEMIC, chemically induced/ HUM... MINERAL WATERS/ NUTRITIONAL ... REQUIREMENTS/ VANADIUM, adverse effects/ *VANADIUM, analy... VANADIUM, metabolism/ VANADIU... therapeutic use/ WATER SUPPLY

LIBRARY IV OF I ...

lueter DP: Pulmonary hypersensitivity diseases. lv Intern Med 18:153-75, 1972 (100 ref.)
AIRWAY OBSTRUCTION, etiology/ ANTIGENS/ ARTHUS PHENOMENON/ ASPERGILLOSIS, immunology/ BAGASSOSIS, immunology/ BIRDS/ DETERGENTS, adverse effects/ DRUG HYPERSENSITIVITY/ FARMER'S LUNG, immunology/ GRAIN, adverse effects/ HUMAN/ HUMIDITY/ HYPERSENSITIVITY, DELAYED/ HYPERSENSITIVITY, IMMEDIATE/ IMMUNITY, CELLULAR/ LUNG, pathology/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, diagnosis/ LUNG DISEASES, immunology/ LUNG DISEASES, pathology/ *LUNG DISEASES, FUNGAL/ LUNG DISEASES, FUNGAL, immunology/ OCCUPATIONAL DISEASES/ PITUITARY GLAND, immunology/ RESPIRATORY FUNCTION TESTS/ *RESPIRATORY HYPERSENSITIVITY/ RESPIRATORY HYPERSENSITIVITY, complications/ RESPIRATORY HYPERSENSITIVITY, diagnosis/ RESPIRATORY HYPERSENSITIVITY, pathology/ REVIEW/ TISSUE EXTRACTS

mid-Tannwald I, Girotti M, Hauser GA: Die ormalgenese weiblicher, innerer Genitalaplasien, eziell des Mayer-Rokitansky-Küster-Syndroms. ntralbl Gynaekol 95:421-8, 20 Mar 73 (Ger)
ABNORMALITIES, embryology/ ABNORMALITIES, etiology/ FEMALE/ GENETICS, HUMAN/ GESTATIONAL AGE/ HUMAN/ OVARY, abnormalities/ OVARY, embryology/ PSEUDOHERMAPHRODITISM, embryology/ *UTERUS, abnormalities/ UTERUS, embryology/ *VAGINA, abnormalities/ VAGINA, embryology

midt H: Der Fluorstoffwechsel. tsch Zahn Mund Kieferheilkd 59:289-317, Nov 72 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CHILD/ CHILD, PRESCHOOL/ DENTAL ENAMEL, analysis/ FEMALE/ FLUORIDATION/ FLUORIDES, analysis/ FLUORIDES, blood/ *FLUORIDES, metabolism/ FLUORIDES, urine/ HUMAN/ INCISOR, metabolism/ INFANT/ INFANT, NEWBORN/ MALE/ MATERNAL-FETAL EXCHANGE/ MIDDLE AGE/ PLACENTA, metabolism/ PREGNANCY/ RATS/ SEX FACTORS

midt H, Lutz P, Bickel H: Wertbeurteilung der ätetischen Behandlung der Cystinose. onatsschr Kinderheilkd 121:171-3, May 73 (Ger)
AMINO ACIDS, therapeutic use/ CHILD, PRESCHOOL/ CYSTINE/ *CYSTINOSIS, therapy/ DIET/ *DIET THERAPY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ GROWTH/ HUMAN/ INFANT/ KIDNEY FUNCTION TESTS/ MALE/ METHIONINE/ RICKETS, prevention & control/ VITAMIN D, administration & dosage

midt UJ, Lindenhayn K, Nelius D, et al: ebenwirkungen einer Langzeittherapie mit lukokortikoiden auf den Knochenstoffwechsel. Gesamte Inn Med 28:119-22, 15 Apr 73 (Ger)
ANIMAL EXPERIMENTS/ DEXAMETHASONE, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, adverse effects/ LONG TERM CARE/ OSTEOPOROSIS/ OSTEOPOROSIS, pathology/ RATS/ TIME FACTORS

midt-Kessen W, Kendel K: Einfluss der aumtemperatur auf den Nachtschlaf. es Exp Med (Berl) 160:220-33, 21 May 73 (Ger)
ADRENAL CORTEX HORMONES, urine/ ADULT/ BODY TEMPERATURE/ BODY TEMPERATURE REGULATION/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ ENVIRONMENT/ HEART RATE/ HUMAN/ MALE/ MOVEMENT/ NOREPINEPHRINE, urine/ PULSE/ SKINFOLD THICKNESS/ *SLEEP/ SLEEP, REM/ SLEEP STAGES/ *TEMPERATURE

3433. Schmitt P: Effets de lésions de la substance grise centrale du mésencéphale sur les réponses de "switch-off" et d'autostimulation au niveau de l"hypothalamus.
J Physiol (Paris) 65:Suppl 3:501A, 1972 (Fre)
AGGRESSION/ ANIMAL EXPERIMENTS/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ *MESENCEPHALON, physiology/ MESENCEPHALON, surgery/ *NERVE TISSUE, physiology/ NEURAL INTERCONNECTIONS/ *NEURAL TRANSMISSION/ RATS/ SELF STIMULATION

3434. Schmitt R, Roll H, Hepp H, et al: Menschliches Plazenta-Laktogen in der Risikoschwangerschaft.
Z Geburtshilfe Perinatol 177:118-28, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ BIRTH WEIGHT/ BLOOD GROUP INCOMPATIBILITY, blood/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, blood/ FEMALE/ FETAL DEATH/ *FETAL DISEASES, blood/ GESTATIONAL AGE/ HUMAN/ ORGAN WEIGHT/ PLACENTA DISORDERS, blood/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY TOXEMIAS, blood/ RADIOIMMUNOASSAY/ RH FACTORS/ TWINS

3435. Schneider HP, Dahlén HG: Studies with synthetic LH-releasing hormone in the human. II. Evaluation of anterior pituitary gonadotropic function in various endocrine states. Neuroendocrinology 11:328-37, 1973
ADULT/ AMENORRHEA, drug therapy/ CHILD/ CRYPTORCHISM, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOCRINE DISEASES, drug therapy/ *ENDOCRINE DISEASES, physiopathology/ FEMALE/ *FSH, blood/ GROWTH DISORDERS, drug therapy/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ KLINEFELTER'S SYNDROME, drug therapy/ *LH, blood/ MALE/ MENOPAUSE, drug effects/ PITUITARY DISEASES, drug therapy/ PITUITARY DISEASES, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PUBERTY, PRECOCIOUS, drug therapy/ SHEEHAN'S SYNDROME, drug therapy

3436. Schneider W, Spona J, Matt K: Effekt der Teilkomponenten eines Antikonzeptivums auf die Zyklusfunktion.
Med Klin 68:510-5, 20 Apr 73 (Ger)
ADULT/ BODY TEMPERATURE/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ KARYOMETRY/ LH, blood/ *MENSTRUATION, drug effects/ *NORGESTREL, pharmacodynamics/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ VAGINAL SMEARS

3437. Schneiderman MH, Billen D: Methylation rapidly reannealing DNA during the cell cycle of Chinese hamster cells.
Biochim Biophys Acta 308:352-60, 18 May 73
BROMODEOXYURIDINE, metabolism/ CARBON ISOTOPES/ CELLS, CULTURED/ COMPUTERS, DIGITAL/ CULTURE MEDIA/ CYTOSINE, metabolism/ DEOXYCYTIDINE, metabolism/ DNA, analysis/ DNA, biosynthesis/ DNA, isolation & purification/ *DNA, metabolism/ DNA REPLICATION/ FEMALE/ HAMSTERS/ KINETICS/ METHIONINE, metabolism/ METHYLATION/ MITOSIS/ NUCLEIC ACID DENATURATION/ NUCLEIC ACID RENATURATION/ NUCLEOTIDES, analysis/ *OVARY,

metabolism/ THYMIDINE, metabolism/ THYMINE, metabolism/ TRITIUM

3438. **Schnideer FH:** Isolation of and production of antibody to cow chromaffin granule membrane.
Biochem Pharmacol 21:2627-34, 1 Oct 72
ADRENAL MEDULLA, cytology/ *ADRENAL MEDULLA, immunology/ ANIMAL EXPERIMENTS/ *ANTIBODIES, isolation & purification/ *ANTIBODY FORMATION/ CATECHOLAMINES, analysis/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMAFFIN SYSTEM, cytology/ *CHROMAFFIN SYSTEM, immunology/ COLORIMETRY/ COMPLEMENT FIXATION TESTS/ CYTOCHROMES, analysis/ GEL DIFFUSION TESTS/ IMMUNOCHEMISTRY/ LIPIDS, analysis/ MEMBRANES, analysis/ MEMBRANES, immunology/ MICROSCOPY, ELECTRON/ PROTEINS, analysis/ RABBITS, immunology/ SPECTROPHOTOMETRY/ SUCCINATE DEHYDROGENASE, analysis/ SUCROSE

3439. **Schofield PJ, Stewart BW:** Oxidative metabolism of the ascidian, Pyura stolonifera.
Comp Biochem Physiol [B] 45:579-84, 15 Jul 73
ANIMAL EXPERIMENTS/ DIGESTIVE SYSTEM, cytology/ DIGESTIVE SYSTEM, enzymology/ FEMALE/ *GLYCOLYSIS/ HEXOKINASE, metabolism/ KINETICS/ MALE/ MANOMETRY/ MITOCHONDRIA, enzymology/ OVARY, cytology/ OVARY, enzymology/ OXIDOREDUCTASES, metabolism/ *OXYGEN, metabolism/ OXYGEN CONSUMPTION/ TESTIS, cytology/ TESTIS, enzymology/ *UROCHORDATA, enzymology

3440. **Schofield PJ, Stewart BW:** Oxidative metabolism of the ascidian, Pyura stolonifera.
Comp Biochem Physiol [B] 45:579-84, 15 Jul 73
ANIMAL EXPERIMENTS/ CARBOHYDRATE ISOMERASES, analysis/ FEMALE/ GLUCOSE, metabolism/ GLYCOLYSIS/ HEXOKINASE/ KINETICS/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ OVARY, enzymology/ *OVARY, metabolism/ OXIDOREDUCTASES, analysis/ OXYGEN CONSUMPTION/ PANCREAS, enzymology/ *PANCREAS, metabolism/ PHOSPHOGLUCOMUTASE, analysis/ PHOSPHOTRANSFERASES, analysis/ SUCCINATES, metabolism/ TESTIS, enzymology/ *TESTIS, metabolism/ *UROCHORDATA, metabolism

3441. **Schoger GA:** Die Bedeutung der Elektrolyte für die Regulation bei vegetativen Fehlsteuerungen.
Z Allgemeinmed 49:282-4, 28 Feb 73 (Ger)
*AUTONOMIC NERVOUS SYSTEM, metabolism/ CALCIUM, metabolism/ *ELECTROLYTES, metabolism/ HUMAN/ MAGNESIUM, metabolism/ *NERVOUS SYSTEM DISEASES, metabolism/ PHOSPHATES, metabolism/ POTASSIUM, metabolism

3442. **Scholler R, Grenier J, Castanier M, et al:** Concentrations de l'estradiol-17, de l'estrone et de la testostérone dans la veine spermatique de l'homme.
C R Acad Sci [D] (Paris) 276:1329-32, 19 Feb 73 (Fre)
*ESTRADIOL, blood/ ESTRADIOL, secretion/ *ESTRONE, blood/ ESTRONE, secretion/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ *TESTIS, blood supply/ TESTIS, secretion/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion/ VARICOCELE, blood/ VARICOCELE, surgery

3443. **Scholler R, Soldat MC, Avigdor R:** Elimination de l'estriol urinaire au cours des deux derniers trimestres de la grossesse normale. Corrélations avec le poids du nouveau-né. Variations journalières.
Pathol Biol (Paris) 21:375-83, Apr 73 (Fre)
ADULT/ *BIRTH WEIGHT/ ENGLISH ABSTRACT/ *ESTRIOL, urine/ FEMALE/ FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ *PREGNANCY/ TIME FACTORS

3444. **Scholz V:** Difficulties of the differential diagnosis in a medulloblastoma. A casuistic contribut
Eur Neurol 9:292-7, 1973
ADOLESCENCE/ AGGRESSION/ BRA radiography/ *CEREBROSPINAL FLU cytology/ *CEREBROSPINAL FLUID PROTEINS, analysis/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, complications/ HEADACHE, etiology/ MALE/ MEDULLOBLASTOMA, compli *MEDULLOBLASTOMA, diagnosis/ MENINGITIS, diagnosis/ NEOPLASM METASTASIS/ NEOPLASMS, NERVO TISSUE, diagnosis

3445. **Schöpf E:** Schlusswort des Verfassers zur von J. C. M. Hendrikse zur Arbeit: "Neben externer Corticosteroidtherapie" (Hauta (1972) Hautarzt 24:165, Apr 73
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL HORMONES, adverse effects/ *ANTI-INFLAMMATORY AGENTS, T adverse effects/ CUSHING'S SYNDR chemically induced/ HUMAN

3446. **Schor S, Rozengurt E:** Enhancement b nucleosides and nucleotides of serum-ind synthesis in quiescent 3T3 cells.
J Cell Physiol 81:339-46, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHO pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamic GLOBULIN, pharmacodynamics/ CAR ISOTOPES/ CELL LINE/ *DNA, bios MICE/ *NUCLEOSIDES, pharmacodyn *NUCLEOTIDES, pharmacodynamics/ NUCLEOTIDES, pharmacodynamics/ STIMULATION, CHEMICAL/ THYMI metabolism/ TIME FACTORS

3447. **Schrage R, König PA:** Das Urozytogram Behandlung des Kollum- un Ovarialka Differentialdiagnose und klinische Kon
Med Welt 23:1938-43, 16 Dec 72
CERVIX NEOPLASMS, complications/ NEOPLASMS, diagnosis/ *CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, radiotherapy/ CYSTITI complications/ DIAGNOSIS, DIFFERE FEMALE/ HUMAN/ OVARIAN NEOP complications/ OVARIAN NEOPLASM diagnosis/ *OVARIAN NEOPLASMS, OVARIAN NEOPLASMS, radiotherapy URINE, cytology

3448. **Schramm G, Vogel W, Heberer G:** Pul Embolektomie mit Hilfe der extrakor Zirkulation. Chirurg 44:200-7, May 73
ACCIDENTS, TRAFFIC/ ADULT/ ATELECTASIS, diagnosis/ CHOLECYSTECTOMY, adverse effect CONTRACEPTIVES, ORAL, adverse e CYANOSIS, diagnosis/ DYSPNEA, dia *EXTRACORPOREAL CIRCULATION/ FEMALE/ HEART CATHETERIZATIO HEART RATE/ HUMAN/ MALE/ MI AGE/ PULMONARY ARTERY, radiog PULMONARY EMBOLISM, chemically PULMONARY EMBOLISM, diagnosis/ PULMONARY EMBOLISM, etiology/ PULMONARY EMBOLISM, radiograph *PULMONARY EMBOLISM, surgery/ STATISTICS

3449. **Schreiber V:** Neuroendokrinní vztahy.
Cas Lek Cesk 112:609-11, 18 May 73
*ENDOCRINE GLANDS, physiology/ ABSTRACT/ FEEDBACK/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYS physiology/ MALE/ *NERVOUS SYST physiology/ NEUROHUMORS/ NEUROSECRETION/ *PITUITARY HO RELEASING FACTORS, physiology

3450. **Schröder KE, Pfeiffer EF:** Kurzdauernde Mu als Stimulationstest der STH-Sekretion
Munch Med Wochenschr 115:454-5, 16 Ma
ACROMEGALY, blood/ ADOLESCENC ADULT/ ARGININE, administration & CHILD/ CHILD, PRESCHOOL/ ENGLI

BSTRACT/ *EXERTION/ HUMAN/
YPOGLYCEMIA, blood/ INSULIN,
ministration & dosage/ MIDDLE AGE/
USCLE CONTRACTION/ *SOMATOTROPIN,
ood/ SOMATOTROPIN, secretion

te FJ, Kaiser HJ, Engelbart S, et al: Sleep patterns
rperphenylalaninemia: a lesson on serotonin to be
ned from phenylketonuria
atr Res 7:588-99, Jun 73
MINOBUTYRIC ACID, blood/
MINOBUTYRIC ACID, cerebrospinal fluid/
RAIN, physiology/ CHILD, PRESCHOOL/
LINICAL RESEARCH/ DIAGNOSIS,
OMPUTER ASSISTED/ DIET THERAPY/
LECTROENCEPHALOGRAPHY/
LECTROPHYSIOLOGY/ EYE MOVEMENTS/
UMAN/ INFANT, NEWBORN/
ATHEMATICS/ MOVEMENT/
HENYLALANINE, blood/
HENYLKETONURIA, physiopathology/
HENYLKETONURIA, therapy/
ESPIRATION/ *SEROTONIN, blood/
EROTONIN, cerebrospinal fluid/ *SLEEP,
EM/ *SLEEP STAGES

tz AL, Beahrs OH, McConahey WM, et al: A round
discussion. Goiter: the therapeutic choices.
atrics 28:80-96, Jul 73
GED/ GOITER, diagnosis/ GOITER,
currence/ GOITER, surgery/ GOITER,
erapy/ *GOITER, therapy/ GOITER,
OPHTHALMIC, drug therapy/ GOITER,
ODULAR, diagnosis/ HUMAN/
YPERTHYROIDISM/ HYPERTHYROIDISM,
rgery/ HYPOTHYROIDISM, diagnosis/
DINE ISOTOPES, therapeutic use/ MIDDLE
GE/ PREOPERATIVE CARE/
ADIOISOTOPE SCANNING/ THYROID
NTAGONISTS, therapeutic use/ THYROID
LAND FUNCTION TESTS/ THYROID
ORMONES, therapeutic use/ THYROID
EOPLASMS, diagnosis/ THYROID
EOPLASMS, surgery/ THYROIDECTOMY/
HYROIDITIS, drug therapy/ THYROIDITIS,
mmunology/ THYROIDITIS, LYMPHOMATOUS,
thology

tze RG: Recent advances in the physiology and
ophysiology of potassium excretion.
Intern Med 131:885-97, Jun 73 (106 ref.)
NIMAL EXPERIMENTS/ BIOLOGICAL
RANSPORT/ DIURETICS, pharmacodynamics/
OGS/ HUMAN/ HYDROGEN-ION
ONCENTRATION/ HYPERCALCEMIA,
ysiopathology/ *KIDNEY, physiopathology/
IDNEY, secretion/ KIDNEY
ONCENTRATING ABILITY/ KIDNEY
UBULES, secretion/ MICROELECTRODES/
ONKEYS/ NATRIURESIS/ POTASSIUM,
etabolism/ *POTASSIUM, urine/ POTASSIUM
EFICIENCY, physiopathology/ RATS/ RENIN,
cretion/ REVIEW/ UREMIA, physiopathology

t E, Heinecke G: Prophylaxe und Therapie der
len Anämie.
h Med Wochenschr 98:1040-3, 18 May 73 (Ger)
NEMIA, HEMOLYTIC, ACQUIRED, drug
erapy/ ANEMIA, HEMOLYTIC, ACQUIRED,
ology/ *ANEMIA, HEMOLYTIC, ACQUIRED,
evention & control/ ANEMIA, HEMOLYTIC,
QUIRED, therapy/ BLOOD TRANSFUSION/
HLORIDES/ COBALT, administration &
sage/ *ERYTHROPOIETIN, administration &
sage/ FOLLOW-UP STUDIES/
EMATOCRIT/ HEMODIALYSIS/ HUMAN/
ON, therapeutic use/ KIDNEY,
nsplantation/ *KIDNEY FAILURE,
HRONIC, complications/ TESTOSTERONE,
ministration & dosage/
RANSPLANTATION, HOMOLOGOUS

ner W, Erve PR: Endotoxin sensitivity of
nalectomized rats treated with lead acetate.
eticuloendothel Soc 13:122-5, Feb 73
CETATES, pharmacodynamics/ *ADRENAL
LANDS, physiology/ ADRENALECTOMY/
NIMAL EXPERIMENTS/ DRUG
OLERANCE/ *ENDOTOXINS,
armacodynamics/ ENDOTOXINS, toxicity/
*LEAD, pharmacodynamics/ RATS/
STIMULATION, CHEMICAL

3456. Schuster J, Ihli M: The mechanism of some sympathomimetic amines.
Pharmacology 9:240-51, 1973
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AMINES, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ DOGS/ EPHEDRINE, pharmacodynamics/ HISTAMINE, metabolism/ LUNG, drug effects/ LUNG, metabolism/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *OXAZOLES, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ PULMONARY CIRCULATION, drug effects/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ *SYMPATHOMIMETICS, pharmacodynamics/ TACHYPHYLAXIS, drug effects/ TYRAMINE, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

3457. Schutz G, Beato M, Feigelson P: Messenger RNA for hepatic tryptophan oxygenase: its partial purification, its translation in a heterologous cell-free system, and its control by glucocorticoid hormones.
Proc Natl Acad Sci USA 70:1218-21, Apr 73
ANIMAL EXPERIMENTS/ CARCINOMA, KREBS 2/ CELL-FREE SYSTEM/ CELL LINE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION, drug effects/ *HYDROCORTISONE, pharmacodynamics/ IMMUNOASSAY/ LIVER, analysis/ *LIVER, enzymology/ PROTEINS, analysis/ PROTEINS, biosynthesis/ RATS/ *RNA, MESSENGER/ RNA, MESSENGER, isolation & purification/ RNA, MESSENGER, metabolism/ *TRANSLATION, GENETIC/ TRYPTOPHAN OXYGENASE, analysis/ *TRYPTOPHAN OXYGENASE, biosynthesis

3458. Schütze I, Fischer HU: Zur Frage der Häufigkeit rachitischer Knochenveränderungen unter antikonvulsiver Behandlung.
Kinderaerztl Prax 41:71-6, Feb 73 (Ger)
ADOLESCENCE/ *ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ BARBITURATES, adverse effects/ BONE DEVELOPMENT/ CARPAL BONES, radiography/ CHILD/ CHILD, PRESCHOOL/ DIPHENYLHYDANTOIN, adverse effects/ ENZYME INDUCTION/ EPILEPSY, drug therapy/ FEMALE/ HUMAN/ MALE/ OSSIFICATION, PHYSIOLOGIC/ PRIMIDONE, adverse effects/ *RICKETS, chemically induced/ SULTHIAME, adverse effects/ TIME FACTORS/ VITAMIN D, metabolism

3459. Schütze I, Salomon B, Thal W: Ausgeprägte Rachitis unter antiepileptischer Dauermedikation.
Kinderaerztl Prax 41:76-80, Feb 73 (Ger)
CHILD, PRESCHOOL/ *DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, therapeutic use/ ENZYME INDUCTION/ EPILEPSY, GRAND MAL, drug therapy/ FEMALE/ HUMAN/ *PHENOBARBITAL, adverse effects/ PHENOBARBITAL, therapeutic use/ *PRIMIDONE, adverse effects/ PRIMIDONE, therapeutic use/ *RICKETS, chemically induced/ RICKETS, radiography/ VITAMIN D, metabolism

3460. Schwabe U, Ebert R, Erbler HC: Adenosine release from isolated fat cells and its significance for the effects of hormones on cyclic 3',5'-AMP levels and lipolysis.
Naunyn Schmiedebergs Arch Pharmacol 276:133-48, 23 Feb 73
ADENOSINE, analysis/ *ADENOSINE, metabolism/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE

CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, metabolism/ AMINOHYDROLASES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ GEL FILTRATION/ GLYCERIN, analysis/ *LIPIDS, metabolism/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ RATS

3461. **Schwartz A, Wood JM, Allen JC, et al:** Biochemical and morphologic correlates of cardiac ischemia. I. Membrane systems. Am J Cardiol 32:46-61, Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CELL MEMBRANE/ CORONARY DISEASE, enzymology/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, pathology/ DOGS/ FATTY ACIDS, metabolism/ HEMODYNAMICS/ MITOCHONDRIA, metabolism/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ PALMITIC ACID, metabolism/ PAPILLARY MUSCLES, pathology/ POTASSIUM, metabolism/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism

3462. **Schwartz B, Cavulea O:** The blood-brain barrier in the cerebral edema of experimentally-induced cerebrovascular accidents.
Rev Roum Neurol 9:123-34, 1972
ANIMAL EXPERIMENTS/ *BLOOD-BRAIN BARRIER/ BRAIN, pathology/ BRAIN EDEMA, drug therapy/ *BRAIN EDEMA, etiology/ BRAIN EDEMA, pathology/ *CEREBROVASCULAR DISORDERS, complications/ HEMATOMA, complications/ HEMATOMA, etiology/ HYDROCORTISONE, therapeutic use/ MALE/ RATS/ TIME FACTORS

3463. **Schwartz IL:** Solomon A. Berson and Rosalyn S. Yalow: a scientific appreciation.
Mt Sinai J Med NY 40:284-94, May-Jun 73
ANTIGEN-ANTIBODY REACTIONS/ AUSTRALIA ANTIGEN/ BIBLIOGRAPHY/ BLOOD VOLUME DETERMINATION/ CORTICOTROPIN/ CURRENT BIOG-OBIT/ FEMALE/ GASTRIN/ HUMAN/ INSULIN ANTIBODIES/ IODINE ISOTOPES, DIAGNOSTIC, history/ ISOTOPE LABELING, history/ MALE/ PARATHYROID HORMONE/ RADIOIMMUNOASSAY, history/ RESEARCH/ SOMATOTROPIN/ THYROID GLAND FUNCTION TESTS, history/ UNITED STATES VETERANS ADMINISTRATION

3464. **Schwartz JT, Reuling FH, Feinleib M, et al:** Twin study on ocular pressure after topical dexamethasone. 1. Frequency distribution of pressure response.
Am J Ophthalmol 76:126-36, Jul 73
ADOLESCENCE/ ADULT/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ GENETICS/ HUMAN/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ MIDDLE AGE/ MODELS, BIOLOGICAL/ STATISTICS/ TIME FACTORS/ *TWINS

3465. **Schwarz MI, Whitcomb ME, Goldman AL:** The spectrum of diffuse pulmonary infiltration in malignant disease. Chest 64:88-93, Jul 73 (18 ref.)
BUSULFAN, adverse effects/ CARCINOMA, BRONCHIOLAR, complications/ EMBOLISM, FAT, complications/ EMBOLISM, FAT, etiology/ HEMORRHAGE, complications/ HODGKIN'S DISEASE, complications/ HUMAN/ INFUSIONS, PARENTERAL, adverse effects/ LEUKEMIA, complications/ LUNG DISEASES, chemically induced/ LUNG DISEASES, complications/ *LUNG DISEASES, etiology/ *LUNG NEOPLASMS, complications/ LYMPHATIC METASTASIS/ LYMPHOGRAPHY, adverse effects/ LYMPHOMA, complications/ METHOT
adverse effects/ PNEUMONIA, compli
PNEUMONIA, INTERSTITIAL PLASM
complications/ RADIATION INJURIES
REVIEW/ THYROID NEOPLASMS, complications

3466. **Schwarzlose W, Heim F:** Effect of testos
glutamate-pyruvate-transaminase, glutamate-oxaloacetate-transaminase and glutamate-dehydrogenase in mice kidn
Life Sci [II] 12:107-15, 8 Feb 73
AGING/ *ALANINE AMINOTRANSFE
metabolism/ ANIMAL EXPERIMENTS
*ASPARTATE AMINOTRANSFERASE,
metabolism/ CASTRATION/ DACTINO
pharmacodynamics/ FEMALE/ *GLUT
DEHYDROGENASE, metabolism/ KID
analysis/ *KIDNEY, enzymology/ KID
growth & development/ MALE/ MIC
ORGAN WEIGHT/ PROTEINS, analys
SEMINAL VESICLES/ *TESTOSTERO

3467. **Sclafani A, Berner CN, Maul G:** Differential hypothalamic transections on the wood behavior of rats. Physiol Behav 10:451-
ANIMAL EXPERIMENTS/ BODY WE
DRINKING/ EATING/ *FEEDING BE
FEMALE/ *HYPOTHALAMUS, physio
MASTICATION/ MOTIVATION/ NEUR
INTERCONNECTIONS, physiology/ RA
STEREOTAXIC TECHNICS/ *WOOD

3468. **Scott DE, Dudley GK, Weindl A, et**
autoradiographic analysis of hypothala magnocellular neurons.
Z Zellforsch Mikrosk Anat 138:421-37,
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CATS/ ENDO
RETICULUM/ *HYPOTHALAMUS, cy
MALE/ MICROSCOPY, ELECTRON/ *NEURONS, cytology/ NEUROPHYSIN
FACTORS/ TRITIUM/ VALINE

3469. **Scott JD:** Treatment of the detached immo
Trans Ophthalmol Soc UK 92:351-7,
EYE DISEASES, drug therapy/ HUM
PERIPHERAL NERVE NEOPLASMS/ POSTOPERATIVE COMPLICATIONS/ RETINAL DETACHMENT, surgery/ *
DETACHMENT, therapy/ *SILICONES
STEROIDS, therapeutic use/ VISUAL
VITREOUS BODY, surgery

3470. **Scott JW, Boris A:**
3,5-Dialkyl-4-(phthalimidomethyl)isoxazole pyrazoles, and isothiazoles. Novel anti
J Med Chem 16:512-6, May 73
*ANDROGENS, antagonists & inhibito
ANIMAL EXPERIMENTS/ CASTRATI
IMIDES, chem synthesis/ IMIDES, pharmacodynamics/ MALE/ MASS SP
ANALYSIS/ ORGAN WEIGHT/ *OXA
chem synthesis/ OXAZOLES, pharmacodynamics/ *PHTHALIC ACI
synthesis/ PHTHALIC ACID, pharmacodynamics/ PROSTATE, drug
*PYRAZOLES, chem synthesis/ PYRA
pharmacodynamics/ RATS/ SEMINAL VESICLES, drug effects/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIO
TESTOSTERONE, antagonists & inhib
*THIAZOLES, chem synthesis/ THIA
pharmacodynamics

3471. **Sebek V:** Descensus ovarium. Prolapsus ovar
ovarium.
Cesk Gynekol 38:364-7, Jun 73
ENGLISH ABSTRACT/ FEMALE/ HU
METHODS/ *OVARIAN DISEASES, s

3472. **Seeds AE, Schruefer JJ, Reinhardt JA, et a**
mechanisms across human placental t
Gynecol Invest 4:31-7, 1973
AMINOHIPPURIC ACID, analysis/ AMINOHIPPURIC ACID, metabolism/ ANTIPYRINE, analysis/ ANTIPYRINE
metabolism/ *BIOLOGICAL TRANSPO
ACTIVE/ *CELL MEMBRANE

LIBRARY U. OF I. [illegible]

PERMEABILITY/ ENERGY TRANSFER/ FEMALE/ HUMAN/ PERFUSION/ *PLACENTA, analysis/ PLACENTA, metabolism/ PREGNANCY/ SALICYLATES, analysis/ SALICYLATES, metabolism/ TEMPERATURE/ TISSUE EXTRACTS, analysis/ WATER, analysis/ WATER, metabolism

iger HP: Aktuelle Probleme der Pilzdiagnostik. ntralbl Bakteriol [Orig A] 220:174-85, May 72 (Ger)
ANIMAL EXPERIMENTS/ ANTIBIOTICS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ ASPERGILLOSIS, diagnosis/ ASPERGILLOSIS, etiology/ ASPERGILLOSIS, pathology/ ASPERGILLUS FUMIGATUS, growth & development/ CANDIDA ALBICANS, growth & development/ CONTRACEPTIVES, ORAL, adverse effects/ CRYPTOCOCCOSIS, diagnosis/ CRYPTOCOCCOSIS, etiology/ CRYPTOCOCCOSIS, immunology/ CRYPTOCOCCOSIS, pathology/ CRYPTOCOCCUS NEOFORMANS, growth & development/ CULTURE MEDIA/ DIAGNOSIS, DIFFERENTIAL/ DISEASE VECTORS/ HUMAN/ MONILIASIS, chemically induced/ MONILIASIS, diagnosis/ MONILIASIS, etiology/ MONILIASIS, pathology/ *MYCOSES, diagnosis/ PIGEONS

al RL, Rosenblatt S, Eliasoph I: Endocrine ophthalmos during lithium therapy of nic-depressive disease.
Engl J Med 289:136-8, 19 Jul 73
*EXOPHTHALMOS, chemically induced/ EXOPHTHALMOS, diagnosis/ HYPOTHYROIDISM, chemically induced/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ THYROID GLAND FUNCTION TESTS

erström A: Thyrocalcitonin and gastrointestinal opulsive motility. An experimental study in the rat.
ta Chir Scand 139:180-3, 1973
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHROMIUM ISOTOPES/ DIGESTION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTROINTESTINAL MOTILITY, drug effects/ MALE/ RATS/ SWINE/ *THYROCALCITONIN, pharmacodynamics

iel D: Advances in lipoprotein research. ochemical and clinical aspects.
tr Metab 15:9-16, 1973
APOPROTEINS, blood/ ARTERIOSCLEROSIS, blood/ ARTERIOSCLEROSIS, etiology/ BLOOD PROTEIN DISORDERS, blood/ BLOOD PROTEIN DISORDERS, familial & genetic/ CARBOHYDRATES, analysis/ CHOLESTEROL, analysis/ CHYLOMICRONS, blood/ ESTERS, analysis/ HUMAN/ HYPERCHOLESTEREMIA, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *LIPOPROTEINS/ LIPOPROTEINS, analysis/ LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ LIVER DISEASES, blood/ PHOSPHOLIPIDS, analysis/ PROTEINS, analysis/ RESEARCH/ REVIEW/ TRIGLYCERIDES, analysis

icovich A, Pérez Lloret A: Glycogen and related zymes in normal and cryptorchid human testes: a ochemical study. J Reprod Fertil 33:379-83, Jun 73
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, enzymology/ GLUCOSYLTRANSFERASES, analysis/ *GLYCOGEN, analysis/ GLYCOGEN SYNTHETASE, analysis/ GLYCOSIDE HYDROLASES, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ LEYDIG CELLS, analysis/ LEYDIG CELLS, enzymology/ MALE/ PUBERTY/ SERTOLI CELLS, analysis/ SERTOLI CELLS, enzymology/ TESTIS, analysis/ *TESTIS, enzymology

M, Tajima C, Maeda HR, et al: Effect of quinestrol ministered with clomiphene citrate on serum licle-stimulating hormone and luteinizing hormone and on other clinical findings.
Am J Obstet Gynecol 116:388-96, 1 Jun 73
ADULT/ CERVIX MUCUS, drug effects/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ ENDOMETRIUM, drug effects/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ OVULATION, drug effects/ PREGNANCY/ QUINESTROL, pharmacodynamics/ QUINESTROL, therapeutic use/ *STERILITY, FEMALE, drug therapy

3479. **Sekiguchi K:** [Case of fetal distress with special reference to syndromes of placental insufficiency]
Jap J Midwife 26:36-7, Nov 72 (Jap)
FETAL DISEASES, etiology/ PLACENTA DISORDERS, complications/ SPECIAL LIST NURSING

3480. **Selichenko AG:** Vplyv etynilestradiolu na bilki krovi ta vmist hlikohenu v pechintsi shchuriv.
Ukr Biokhim Zh 44:596-602, 1972 (Ukr)
ADMINISTRATION, ORAL/ ALPHA GLOBULIN, analysis/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, analysis/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, pharmacodynamics/ FASTING/ FEMALE/ GAMMA GLOBULIN, analysis/ *LIVER GLYCOGEN, analysis/ OVARY, physiology/ RATS/ SERUM ALBUMIN, analysis/ TIME FACTORS

3481. **Seligsohn U, Rapaport SI, Zivelin A:** Patterns of incorporation of 75 Se-methionine into fibrinogen and other plasma proteins in rabbits stimulated by different test conditions.
Thromb Diath Haemorrh 29:76-86, 28 Feb 73
ALPHA GLOBULIN, biosynthesis/ ANIMAL EXPERIMENTS/ BETA GLOBULIN, biosynthesis/ CORTICOTROPIN/ ENDOTOXINS/ EPINEPHRINE/ *FIBRINOGEN, biosynthesis/ GLUCAGON/ HYDROCORTISONE/ LAPAROTOMY/ *METHIONINE, metabolism/ RABBITS/ RADIOISOTOPES/ SELENIUM/ SOMATOTROPIN/ TURPENTINE

3482. **Seller MJ, Benson PF:** In vivo effect of adenosine 3',5'-monophosphate on Ehrlich ascites tumour cells.
Arch Dis Child 48:326, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *CARCINOMA, EHRLICH TUMOR, drug therapy/ CELL DIVISION, drug effects/ MICE/ NEOPLASM TRANSPLANTATION

3483. **Sen DK, Sinnathuray TA, Lau KS:** The ultrastructure of molar trophoblast.
Aust NZ J Obstet Gynaecol 13:35-9, Feb 73
ADULT/ CELL MEMBRANE/ CELL NUCLEUS/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HUMAN/ *HYDATIDIFORM MOLE, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PINOCYTOSIS/ PREGNANCY/ *TROPHOBLAST, pathology

3484. **Senault B:** Effets de lésions du septum, de l'amygdale, du striatum, de la substantia nigra et de l'ablation des bulbes olfactifs sur le comportement d'agressivité intraspécifique induit par l'apomorphine chez le rat.
Psychopharmacologia 28:13-25, 1973 (Fre)
*AGGRESSION, drug effects/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *APOMORPHINE, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN, physiology/ ENGLISH ABSTRACT/ GANGLIA, BASAL, physiology/ OLFACTORY BULB, physiology/ RATS/ SEPTUM PELLUCIDUM, physiology/ SUBSTANTIA NIGRA, physiology

3485. **Sendbuehler JM:** Attempted suicide: a description of the pre and post suicidal states.
Can Psychiatr Assoc J 18:113-6, Apr 73
AFFECT/ APPETITE/ BRAIN CHEMISTRY/

COGNITION DISORDERS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *MENTAL DISORDERS/ SEROTONIN, metabolism/ SLEEP DISORDERS/ SLEEP, REM/ STRESS, PSYCHOLOGICAL/ *SUICIDE

3486. **Sendrail M, Vergnes H, Blum C:** Relations enzymo-hormonales: les deshydrogénases du cycle des pentoses dans les cellules sanguines en physiopathologie thyroidienne.
Rev Fr Endocrinol Clin 13:147-56, Mar-Apr 72 (Fre)
ADENOMA, enzymology/ ADULT/ ENGLISH ABSTRACT/ ERYTHROCYTES, enzymology/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ GOITER, NODULAR, enzymology/ HUMAN/ HYPERTHYROIDISM, enzymology/ HYPOTHYROIDISM, enzymology/ *LEUKOCYTES, enzymology/ MALE/ MIDDLE AGE/ *PHOSPHOGLUCONATE DEHYDROGENASE, blood/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, metabolism/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, metabolism/ THYROID NEOPLASMS, enzymology

3487. **Seneviratna P, Weerasinghe, Ariyadasa S:** Transmission of Haemobartonella canis by the dog tick, Rhipicephalus sanguineus.
Res Vet Sci 14:112-4, Jan 73
ANIMAL EXPERIMENTS/ ARACHNID VECTORS/ *ARTHROPOD VECTORS/ *BARTONELLA INFECTIONS, veterinary/ *DOG DISEASES/ DOGS/ NYMPH/ OVARY/ *TICKS

3488. **Senov PL, Chichiro VE, Kostennikova ZP:** Ispol'zovanie khromatografii v teonkom sloe dlia kolichestvennoi otsenki 1 opredelenila chistoty lekarstvennykh sredstv. Farmatsila 22:72-6, Jan-Feb 73 (72 ref.) (Rus)
ALKALOIDS, analysis/ CHEMISTRY, ANALYTICAL/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ COLORIMETRY/ DENSITOMETRY/ *DRUG ADULTERATION/ DRUGS, analysis/ GELS/ GLYCOSIDES, analysis/ PHOTOMETRY/ REVIEW/ SILICA/ SPECTROPHOTOMETRY/ STEROIDS, analysis/ SULFANILAMIDE, analysis

3489. **Seoane JR, Baile CA:** Ionic changes in cerebrospinal fluid and feeding, drinking and temperature of sheep.
Physiol Behav 10:915-23, May 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ BODY TEMPERATURE REGULATION, drug effects/ CALCIUM, administration & dosage/ *CALCIUM, pharmacodynamics/ CEREBRAL VENTRICLES/ *CEREBROSPINAL FLUID/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS, drug effects/ INJECTIONS/ IONS/ MAGNESIUM, administration & dosage/ *MAGNESIUM, pharmacodynamics/ POTASSIUM, administration & dosage/ *POTASSIUM, pharmacodynamics/ SHEEP/ SODIUM, administration & dosage/ *SODIUM, pharmacodynamics

3490. **Serban O, Toacsen E, Potorac E, et al:** Aspecte ale infecţiei rabice experimentale cu virus fix Babeş la neonatalul ovin destinat obţinerii unor valante de vaccin antirabic neencefalitogen pentru producţie. Studiu clinic, citologic şi histopatologic.
Stud Cercet Virusol 24:195-207, 1973 (Rum)
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, pathology/ ENGLISH ABSTRACT/ KIDNEY, pathology/ LIVER, pathology/ MYOCARDIUM, pathology/ *RABIES/ RABIES, pathology/ *RABIES VACCINE/ *RABIES VIRUS/ *SHEEP/ SPLEEN, pathology/ THYMUS GLAND, pathology/ VIRUS CULTIVATION

3491. **Serck-Hanssen G, Christiansen EN:** Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro.
Biochim Biophys Acta 307:404-14, 11 May
ACETYLCHOLINE, pharmacodynamics/ ADRENAL MEDULLA, cytology/ *ADRE MEDULLA, metabolism/ ADRENAL MED secretion/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects CALCIUM, analysis/ *CALCIUM, metabol CATTLE/ *CHROMAFFIN SYSTEM, metabolism/ CYTOPLASMIC GRANULES, metabolism/ EDTA, pharmacodynamics/ EPINEPHRINE, secretion/ FLUORESCEN SPECTROMETRY/ MICROSOMES, metabo NOREPINEPHRINE, secretion/ PERFUSI PROTEINS, analysis/ SPECTROPHOTOM ATOMIC ABSORPTION

3492. **Serebrovskaia IuA, Kiseleva ZM, Speranskaia N** Aktivnost' renina v plazme drovi u bol' feokhromotsitomoi.
Kardiologiia 13:122-8, Apr 73
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ ALDOSTERONE, urine/ CATECHOLAMIN urine/ CHROMATOGRAPHY, THIN LAY CIRCADIAN RHYTHM/ DIET THERAPY ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ FEMALE/ HEART ENLARGEMENT, diagnosis/ HEART RA HUMAN/ HYPERGLYCEMIA, diagnosis/ HYPERTENSION, MALIGNANT, diagnosi LEUKOCYTOSIS, diagnosis/ MALE/ *PHEOCHROMOCYTOMA, blood/ PHOTOMETRY/ POTASSIUM, blood/ PROTEINURIA, diagnosis/ *RENIN, bloo

3493. **Servelle M, Babilliot J:** Observations de t vasculaires sous oestro-progestatifs de sy
Phlebologie 25:259-61, Jul-Sep 72
ADOLESCENCE/ ADULT/ ARTERIES/ CONTRACEPTIVES, ORAL, administratio dosage/ *CONTRACEPTIVES, ORAL, ad effects/ ENGLISH ABSTRACT/ ESTROG adverse effects/ FEMALE/ HUMAN/ LE blood supply/ MIDDLE AGE/ MITRAL VALVE, surgery/ PROGESTATIONAL HORMONES, adverse effects/ THROMBOPHLEBITIS, chemically induce THROMBOSIS, chemically induced/ VAR VEINS, chemically induced/ *VASCULA DISEASES, chemically induced

3494. **Serville F, Guillard JM, Joigny C de, et al:** Caryo XXXXY chez un nourrisson.
Pediatrie 28:83-90, Jan-Feb 73
*ABNORMALITIES, MULTIPLE, diagnosi *ANEUPLOIDY/ DIAGNOSIS, DIFFEREN HUMAN/ INFANT/ KARYOTYPING/ KLINEFELTER'S SYNDROME, diagnosis/ MALE/ *SEX CHROMOSOME ABNORMALITIES, diagnosis

3495. **Servy E, Byrd JR, Dmowski WP, et al:** Cas lim dysgénésie gonadique. Correlations entre les d cliniques, cytogénétiques et anatomo-patholo
Rev Fr Endocrinol Clin 13:107-21, Mar-Apr 7
ADOLESCENCE/ ADULT/ AUTOIMMUNI DISEASES/ BODY HEIGHT/ CHILD, PRESCHOOL/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ EUNUCHISM, diagnosis/ FEMALE/ HIRSUTISM, diagnosis/ HUMAN/ INFAN KARYOTYPING/ MOSAICISM/ OVARY, pathology/ TESTIS, pathology/ *TURNE SYNDROME, diagnosis/ TURNER'S SYNDROME, etiology/ TURNER'S SYND therapy

3496. **Sethi N, Talwalkar V, Mukherjee SK:** Hepato parameter of chronic experimental drug t
Indian J Physiol Pharmacol 16:339-43, Oct-
ANALEPTICS, toxicity/ ANESTHETICS, LOCAL, toxicity/ ANIMAL EXPERIMEN ANTHELMINTICS, toxicity/ ANTICONVULSANTS, toxicity/ ANTIDEPRESSIVE AGENTS, toxicity/ FEMALE/ *HEPATITIS, TOXIC/ HEPAT TOXIC, pathology/ *HEPATOMEGALY, chemically induced/ HEPATOMEGALY,

LIBRARY U. OF I

pathology/ *LIVER, drug effects/ LIVER, pathology/ MALE/ PHENACETIN, toxicity/ PIPERAZINES, toxicity/ PLANT EXTRACTS, toxicity/ PROPIOPHENONES, toxicity/ RATS/ SULFONES, toxicity/ THIOCYANATES, toxicity/ *TOXICOLOGY/ TRANQUILIZING AGENTS, toxicity

low P: Inability of detect cyclic AMP in vegetative r sporulating cells or dormant spores of Bacillus egaterium.
iochem Biophys Res Commun 52:365-72, 15 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ *BACILLUS MEGATERIUM, analysis/ BACILLUS MEGATERIUM, enzymology/ BACILLUS MEGATERIUM, growth & development/ CARBON ISOTOPES/ PHOSPHODIESTERASES, analysis/ *SPORES, analysis/ SPORES, BACTERIAL, analysis/ SPORES, BACTERIAL, enzymology/ TRITIUM

el D, Sealy RG, Lawton EB, et al: The early mptomatology of retinoblastoma.
Afr Med J 47:1143-4, 7 Jul 73
CHILD, PRESCHOOL/ EXOPHTHALMOS, etiology/ EYE NEOPLASMS, complications/ *EYE NEOPLASMS, diagnosis/ EYE NEOPLASMS, familial & genetic/ EYE NEOPLASMS, therapy/ HUMAN/ INFANT/ PROGNOSIS/ RETINOBLASTOMA, complications/ *RETINOBLASTOMA, diagnosis/ RETINOBLASTOMA, familial & genetic/ RETINOBLASTOMA, therapy/ STRABISMUS, etiology/ TIME FACTORS/ UVEITIS, etiology/ VISION DISORDERS, etiology

ss R: Der Knochenscan als Indicator für statischen mbau.
rch Orthop Unfallchir 75:255-63, 7 May 73 (Ger)
*BONE AND BONES, metabolism/ *BONE DISEASES, diagnosis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EPIPHYSES/ HIP JOINT/ HUMAN/ JOINT DISEASES, diagnosis/ JOINT DISEASES, radiography/ KNEE JOINT/ METHODS/ OSTEITIS DEFORMANS, diagnosis/ OSTEITIS DEFORMANS, radiography/ OSTEOARTHRITIS, diagnosis/ OSTEOARTHRITIS, radiography/ OSTEOMYELITIS, diagnosis/ OSTEOMYELITIS, radiography/ OSTEOSCLEROSIS, diagnosis/ PELVIC BONES/ *RADIOISOTOPE SCANNING/ STRONTIUM ISOTOPES/ TIBIA

e S de, Bernier JJ, Caroit M, et al: Un cas ostéomalacie par malabsorption de mécanisme habituel au cours d'un syndrome de l'anse borgne.
ev Rhum Mal Osteoartic 39:297-303, Apr 72 (Fre)
ALKALINE PHOSPHATASE, metabolism/ ANTIBIOTICS, therapeutic use/ BILE ACIDS AND SALTS, metabolism/ *BLIND LOOP SYNDROME, complications/ CALCIUM, urine/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, etiology/ HYPOCALCEMIA, etiology/ *MALABSORPTION SYNDROMES, complications/ MIDDLE AGE/ OSTEOMALACIA, drug therapy/ *OSTEOMALACIA, etiology/ OSTEOMALACIA, metabolism/ PHOSPHORUS, therapeutic use/ PHOSPHORUS METABOLISM DISORDERS/ PROGNOSIS/ SPRUE, etiology/ VITAMIN D, therapeutic use/ *VITAMIN D DEFICIENCY, complications

bneva OV, Arbaeva LI:
liniko-patologoanatomicheskie osobennosti steral'nykh form giperparatireoza.
rach Delo 4:110-2, Apr 73 (Rus)
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology

h SN: Regulation of hepatic cholesterol synthesis om mevalonate in suckling and weaned rats.
pids 8:284-8, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CARBON ISOTOPES/ *CHOLESTEROL, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ DIGITONIN/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ LACTATION/ LIPIDS, biosynthesis/ LIPIDS, isolation & purification/ LIVER, anatomy & histology/ LIVER, enzymology/ *LIVER, metabolism/ MEVALONIC ACID, administration & dosage/ *MEVALONIC ACID, metabolism/ ORGAN WEIGHT/ PRECIPITATION/ PREGNANCY/ RATS/ SQUALENE, metabolism/ STEROLS, biosynthesis/ TIME FACTORS/ WEANING

3503. **Shahidi NT:** Androgens and erythropoiesis.
N Engl J Med 289:72-80, 12 Jul 73 (123 ref.)
ANABOLIC STEROIDS, therapeutic use/ ANDROGENS, administration & dosage/ ANDROGENS, adverse effects/ ANDROGENS, metabolism/ ANDROGENS, pharmacodynamics/ ANDROGENS, physiology/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, HEMOLYTIC, drug therapy/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ DIPHOSPHOGLYCERIC ACIDS, blood/ ERYTHROCYTES, analysis/ ERYTHROCYTES, drug effects/ *ERYTHROPOIESIS/ ERYTHROPOIESIS, drug effects/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ MALE/ MYELOFIBROSIS, drug therapy/ MYELOID METAPLASIA, drug therapy/ RATS/ REVIEW/ STIMULATION, CHEMICAL/ TESTOSTERONE, metabolism/ TESTOSTERONE, therapeutic use

3504. **Shahmanesh M, Bolton CH, Feneley RC, et al:** Metabolic effects of oestrogen treatment in patients with carcinoma of prostate: a comparison of stilboestrol and conjugated equine oestrogens.
Br Med J 2:512-4, 2 Jun 73
AGED/ ALKALINE PHOSPHATASE, blood/ BLOOD PROTEIN ELECTROPHORESIS/ CALCIUM, blood/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, therapeutic use/ *ESTROGENS, therapeutic use/ FASTING/ GLUCOSE TOLERANCE TEST/ HORSES/ HUMAN/ LIPOPROTEINS, blood/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ PROSTATIC NEOPLASMS, blood/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, enzymology/ TRIGLYCERIDES, blood

3505. **Shain SA, Axelrod LR:** Reduced high affinity 5 -dihydrotestosterone receptor capacity in the ventral prostate of the aging rat. Steroids 21:801-12, Jun 73
AGING/ ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ CYTOSOL, metabolism/ LIGANDS/ MALE/ PROSTATE, cytology/ PROSTATE, growth & development/ *PROSTATE, metabolism/ RATS/ *RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STANOLONE, metabolism/ TRITIUM

3506. **Shalgi R, Kraicer P, Rimon A, et al:** Proteins of human follicular fluid: the blood-follicle barrier.
Fertil Steril 24:429-34, Jun 73
ALPHA GLOBULIN, analysis/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS, analysis/ *BODY FLUIDS, analysis/ DIFFUSION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FIBRINOGEN, analysis/ FILTRATION/ GEL DIFFUSION TESTS/ *GRAAFIAN FOLLICLE/ HUMAN/ IGG, analysis/ IGM, analysis/ IMMUNOELECTROPHORESIS/ IN VITRO/ LIPOPROTEINS, analysis/ MACROGLOBULINS, analysis/ MOLECULAR CONFORMATION/ MOLECULAR WEIGHT/ *PROTEINS, analysis/ SERUM ALBUMIN, analysis/ TRANSFERRIN, analysis

3507. **Shambaugh GE Jr:** Fluorides for otospongiosis and

other osteoporotic states.
Ann Otolaryngol Chir Cervicofac 90:129-38, Mar 73
BIOPSY/ CALCIUM, metabolism/ CALCIUM, urine/ FEMALE/ FLUORIDES, administration & dosage/ FLUORIDES, adverse effects/ *FLUORIDES, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, physiopathology/ *OTOSCLEROSIS, drug therapy/ TIME FACTORS

3508. **Shankar PS**: Testicular feminization.
Indian J Med Sci 27:256-9, Mar 73
ADULT/ CASE REPORT/ HUMAN/ MALE/ *TESTICULAR FEMINIZATION

3509. **Shapira Y**: Incidence of cleft palate in Sabra strain mice. Lab Anim 7:135-8, May 73
ANIMAL EXPERIMENTS/ CLEFT PALATE, chemically induced/ *CLEFT PALATE, veterinary/ CORTISONE/ CORTISONE, administration & dosage/ FEMALE/ FETUS, drug effects/ HYDROCORTISONE/ HYDROCORTISONE, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ MALE/ *MICE/ PREGNANCY/ *RODENT DISEASES, chemically induced/ SPECIES SPECIFICITY

3510. **Shapiro EL, Weber L, Teutsch G, et al**: 19-Norprogestins. Synthesis and biological activity of 6-chloro-16-methylene-17 -hydroxy-19-nor-4,6-pregnadiene-3,20-dione 17-acetate. J Med Chem 16:649-54, Jun 73
ANDROGENS, antagonists & inhibitors/ CHEMISTRY/ CHLORINE/ DEALKYLATION/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, pharmacodynamics/ *NORSTEROIDS/ NORSTEROIDS, chem synthesis/ NORSTEROIDS, pharmacodynamics/ *PREGNADIENES/ PREGNADIENES, chem synthesis/ PREGNADIENES, pharmacodynamics/ PREGNANES/ PROGESTATIONAL HORMONES, pharmacodynamics

3511. **Sharov BK**: K vyboru ratsional'noi metodiki nalozhenila pnevmoretroperitoneuma.
Vestn Rentgenol Radiol 48:52-6, Mar-Apr 73 (Rus)
ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PANCREATIC CYST, radiography/ PHEOCHROMOCYTOMA, radiography/ RETROPERITONEAL NEOPLASMS, radiography/ *RETROPNEUMOPERITONEUM/ RETROPNEUMOPERITONEUM, adverse effects

3512. **Sharp DC, Black DL**: Changes in peripheral plasma progesterone throughout the oestrous cycle of the pony mare. J Reprod Fertil 33:535-8, Jun 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *HORSES, physiology/ OVULATION/ *PROGESTERONE, blood/ TIME FACTORS

3513. **Sharp GW**: Action of cholera toxin on fluid and electrolyte movement in the small intestine.
Annu Rev Med 24:19-23, 1973 (63 ref.)
ADENOSINE TRIPHOSPHATASE, adverse effects/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CELL MEMBRANE PERMEABILITY/ CHOLERA, complications/ DOGS/ ELECTROLYTES, metabolism/ HUMAN/ *INTESTINE, SMALL/ RABBITS/ REVIEW/ *TOXINS, adverse effects/ VIBRIO COMMA/ WATER, metabolism/ *WATER-ELECTROLYTE BALANCE

3514. **Sharpe JA, Rewcastle NB, Lloyd KG, et al**: Striatonigral degeneration. Response to levodopa therapy with pathological and neurochemical correlation.
J Neurol Sci 19:275-86, Jul 73
CARBOXY-LYASES, metabolism/ CEREBELLUM, pathology/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, drug effects/ DIENCEPHALON, pathology/ *DOPA, therapeutic use/ DOPA DECARBOXYLASE, metabolism/ DOPAMINE, metabolism/ EVALUATION STUDIES/ FEMALE/ GANGLIA, BASAL, metabo GANGLIA, BASAL, pathology/ GLUTA HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, met MIDDLE AGE/ *NERVE DEGENERAT drug effects/ *PARKINSONISM, drug PARKINSONISM, metabolism/ PARKINSONISM, pathology/ SEROTO metabolism/ *SUBSTANTIA NIGRA, effects/ THALAMUS, metabolism

3515. **Shaskan EG, Haraszti JH, Snyder SH**: P developmental alterations in regional dispo metabolism in rat brain.
J Neurochem 20:1443-52, May 73
S-ADENOSYLMETHIONINE/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ growth & development/ *BRAIN, met CARBON ISOTOPES/ CARBOXY-LYA metabolism/ CEREBELLUM, enzymolo CEREBELLUM, metabolism/ CEREBR CORTEX, enzymology/ CEREBRAL C metabolism/ DNA, metabolism/ FEMA HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ MAL MESENCEPHALON, enzymology/ MESENCEPHALON, metabolism/ NER TISSUE PROTEINS, metabolism/ PO enzymology/ PONS, metabolism/ RAT metabolism/ *SPERMIDINE, metaboli *SPERMINE, metabolism/ TRITIUM

3516. **Shaskan EG, Snyder SH**: Polyamine tu different regions of rat brain.
J Neurochem 20:1453-60, May 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBELLUM, metaboli CEREBRAL CORTEX, metabolism/ C STRIATUM, metabolism/ HALF-LIFE HYPOTHALAMUS, metabolism/ KINE MALE/ MESENCEPHALON, metaboli PONS, metabolism/ *PUTRESCINE, metabolism/ RATS/ *SPERMIDINE, metabolism/ *SPERMINE, metabolism TRITIUM

3517. **Shchedrina RN**: Katekholaminy i stano gipofizarno-adrenokortikal'noi sistemy novorozhdennykh.
Probl Endokrinol (Mosk) 19:114-20, Mar- ref.)
ADRENAL CORTEX HORMONES, bio ADRENAL GLANDS, embryology/ A GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBO physiology/ ASCORBIC ACID, physio *CATECHOLAMINES, physiology/ CH EMBRYO/ CORTICOTROPIN, physiol DOGS/ FETUS, physiology/ HUMAN/ NEWBORN/ *INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ MO *PITUITARY-ADRENAL SYSTEM/ P GLAND, physiology/ RABBITS/ RAT REFRACTORY PERIOD, NEUROLOG REVIEW/ SHEEP/ STRESS, physiop TIME FACTORS

3518. **Sheard MH**: Brain serotonin depletion p-chlorophenylalanine or lesions of raphe rats. Physiol Behav 10:809-11, Apr 7
AGGRESSION/ AGGRESSION, drug ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ MALE/ *MESENCEPHALON, physiology/ *NE physiology/ RATS/ *SEROTONIN, m SEX BEHAVIOR, ANIMAL/ SEX BE ANIMAL, drug effects

3519. **Shearer RJ, Hendry WF, Ferguson JD**: treatment in carcinoma of the prost Br Med J 3:51, 7 Jul 73
DIETHYLSTILBESTROL, administrati dosage/ *DIETHYLSTILBESTROL, th use/ HUMAN/ MALE/ *PROSTATIC NEOPLASMS, drug therapy/ TESTOS blood

3520. **Sheehan HL**: Hypothalamic control of s

LIBRARY U. OF I. (Urbana)

gonadotrophins.
Endocrinol Exp (Bratisl) 7:49-51, 1973
CASTRATION/ FEEDBACK/ FEMALE/ *GONADOTROPINS, secretion/ HUMAN/ HYPERTROPHY, etiology/ HYPERTROPHY, pathology/ HYPOPITUITARISM, complications/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiology/ MALE/ MENOPAUSE/ OVARY/ PREGNANCY/ PREGNANCY COMPLICATIONS

hefer DG, Shutov AA: Mekhanoelektrografiia v diagnostike opukholei golovnogo mozga.
Zh Nevropatol Psikhiatr 73:663-8, 1973 (Rus)
ACTION POTENTIALS/ ADENOMA, diagnosis/ ASTROCYTOMA, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ CRANIAL FOSSA, POSTERIOR/ *ELECTRODIAGNOSIS/ *ELECTROENCEPHALOGRAPHY/ GLIOMA, diagnosis/ HUMAN/ LATERALITY/ MENINGIOMA, diagnosis/ OSCILLOMETRY/ PITUITARY NEOPLASMS, diagnosis/ SARCOMA, diagnosis/ *TRANSDUCERS/ TREMOR, diagnosis

heid B, Chin AE: Evidence for the existence of lactate dehydrogenase X in embryonic chick liver.
Biochim Biophys Acta 293:304-11, 15 Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ CHICK EMBRYO/ CHICKENS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FEMALE/ HEAT/ HYDROGEN-ION CONCENTRATION/ KETOGLUTARIC ACID/ KINETICS/ LACTATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ *LIVER, enzymology/ MALE/ MICE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ NAD/ ORGAN SPECIFICITY/ RABBITS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTIS, enzymology

Sheikha Z, Klopper A, Beck JS: Treatment of menometrorrhagia with an anti-oestrogen.
Clin Endocrinol (Oxf) 1:275-82, Jul 72
BINDING SITES, drug effects/ DIMETHYLAMINES, therapeutic use/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ HUMAN/ *MENORRHAGIA, drug therapy/ MENORRHAGIA, pathology/ METRORRHAGIA, drug therapy/ METRORRHAGIA, pathology/ OVULATION, drug effects/ *PHENOLS, therapeutic use/ *STILBENES, therapeutic use

ellenberger MK, Walaszek EJ: Pharmacology of the central nervous system.
Prog Neurol Psychiatry 27:67-86, 1972 (171 ref.)
ALCOHOL, ETHYL, pharmacodynamics/ AMINES, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ ANALEPTICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTICONVULSANTS, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BIOGENIC AMINES, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ *CENTRAL NERVOUS SYSTEM, drug effects/ CONVULSIONS, drug therapy/ HALLUCINOGENS, pharmacodynamics/ HUMAN/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MENTAL DISORDERS, drug therapy/ MORPHINE, pharmacodynamics/ PITUITARY GLAND, drug effects/ PSYCHOPHARMACOLOGY/ REVIEW

emano I, Orzechowski R, Goldstein S, et al: Effects of 5,5-diethylhydantoin on resistance to asphyxia in rats.
Toxicol Appl Pharmacol 25:250-8, Jun 73
ANIMAL EXPERIMENTS/ *ASPHYXIA, prevention & control/ BODY TEMPERATURE, drug effects/ EPINEPHRINE, pharmacodynamics/ *HYDANTOINS, therapeutic use/ MALE/ OXYGEN CONSUMPTION, drug effects/ RATS/ RESPIRATION, drug effects/ THYROXINE, pharmacodynamics/ TIME FACTORS

3526. Shenkman L, Medeiros-Neto GA, Mitsuma T, et al: Evidence for hypothyroidism in endemic cretinism in Brazil. Lancet 2:67-70, 14 Jul 73
ADULT/ BODY HEIGHT/ BRAZIL/ CRETINISM, classification/ *CRETINISM, occurrence/ DEAF-MUTISM, diagnosis/ DISEASE RESERVOIRS/ FEMALE/ GOITER, NODULAR, diagnosis/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, embryology/ LH, analysis/ MALE/ MENTAL RETARDATION, diagnosis/ MIDDLE AGE/ MOTOR NEURONS/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood

3527. Shenkman L, Mitsuma T, Hollander CS: Methods for detection of incipient primary hypothyroidism: a comparative study.
J Clin Endocrinol Metab 36:1074-8, Jun 73
ADULT/ AGED/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, diagnosis/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES, therapeutic use/ MALE/ METHODS/ MIDDLE AGE/ THYROIDITIS, LYMPHOMATOUS, radiotherapy/ THYROTROPIN, administration & dosage/ *THYROTROPIN, blood/ THYROTROPIN, diagnostic use/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood

3528. Shepherd GR, Hardin JM, Noland BJ: Dephosphorylation of histone fractions of cultured mammalian cells.
Arch Biochem Biophys 153:599-602, Dec 72
CELL COUNT/ CELL DIVISION/ CELLS, CULTURED/ FEMALE/ HAMSTERS/ *HISTONES, metabolism/ ISOLEUCINE/ OVARY, metabolism/ PHOSPHATES, metabolism/ PHOSPHOPROTEINS, metabolism/ PHOSPHORUS ISOTOPES/ TIME FACTORS

3529. Sherman NA, Smith RS, Middleton E Jr: Effect of adrenergic compounds, aminophylline and hydrocortisone, on in vitro immunoglobulin synthesis by normal human peripheral lymphocytes.
J Allergy Clin Immunol 52:13-22, Jul 73
*AMINOPHYLLINE, pharmacodynamics/ ANTIBODY FORMATION, drug effects/ CELLS, CULTURED/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ *IGG, biosynthesis/ *ISOPROTERENOL, pharmacodynamics/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ LYMPHOCYTES, secretion/ MALE/ *PROPRANOLOL, pharmacodynamics/ RADIOIMMUNOASSAY

3530. Shiino M, Williams MG, Rennels EG: Thyroidectomy cells and their response to thyrotrophin releasing hormone (TRH) in the rat.
Z Zellforsch Mikrosk Anat 138:327-32, 17 Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, pathology/ RATS/ THYROIDECTOMY/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE

3531. Shilenok VN: O vzaimootnoshenii shchitovidnoi zhelezy i kory nadpochechnikov v posleoperatsionnom periode.
Probl Endokrinol (Mosk) 19:22-6, Mar-Apr 73 (Rus)
*ADRENAL GLANDS, physiopathology/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ *GOITER, surgery/ HUMAN/ POSTOPERATIVE COMPLICATIONS, diagnosis/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROXINE, analysis/ THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS

3532. **Shimada K, Yano J, Oshima S, et al:** Effect of photic stimulation on hypothalamic electroencephalograph and thyroid activity in the chicken.
Neuroendocrinology 12:142-8, 1973
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ FLICKER FUSION/ *HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ *PHOTIC STIMULATION/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, metabolism

3533. **Shimada M, Kihara T, Kurimoto K, et al:** Incorporation of 14 C from (U- 14 C)glucose into free amino acids in mouse brain loci in vivo under normal conditions.
J Neurochem 20:1337-44, May 73
ALANINE, biosynthesis/ *AMINO ACIDS, biosynthesis/ AMINOBUTYRIC ACID, biosynthesis/ ANIMAL EXPERIMENTS/ ASPARAGINE, biosynthesis/ ASPARTIC ACID, biosynthesis/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ CARBON ISOTOPES/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, GAS/ DENSITOMETRY/ FEMALE/ *GLUCOSE, metabolism/ GLUTAMATES, biosynthesis/ GLUTAMINE, biosynthesis/ GLYCINE, biosynthesis/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ KINETICS/ MALE/ MICE/ THALAMUS, metabolism

3534. **Shimizu K, Share L, Claybaugh JR:** Potentiation by angiotensin II of the vasopressin response to an increasing plasma osmolality.
Endocrinology 93:42-50, Jul 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD/ BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ DOGS/ GLUCOSE, pharmacodynamics/ HYPERTONIC SOLUTIONS/ HYPOTONIC SOLUTIONS/ MALE/ OSMOLAR CONCENTRATION/ *OSMOLAR CONCENTRATION/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ *VASOPRESSIN, blood

3535. **Shimizu K, Yamamoto M, Yoshitoshi Y:** Effects of saline infusion on prostaglandin-like materials in renal venous blood and medulla of canine kidney.
Jap Heart J 14:140-5, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD VOLUME, drug effects/ DOGS/ FEMALE/ *KIDNEY, drug effects/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, metabolism/ NATRIURESIS, drug effects/ POTASSIUM, urine/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, metabolism/ *RENAL VEINS/ RENAL VEINS, drug effects/ SODIUM, urine/ *SODIUM CHLORIDE, pharmacodynamics

3536. **Shimizu N:** [Clinical description of Cushing's syndrome] Jap J Nurs Art 19:37-45, May 73 (Jap)
CUSHING'S SYNDROME/ SPECIAL LIST NURSING

3537. **Shimkin PM, Powell D:** Parathyroid hormone levels in thyroid-vein blood of patients without abnormalities of calcium metabolism.
Ann Intern Med 78:714-6, May 73
ADULT/ AGED/ CALCIUM, blood/ CALCIUM, urine/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPLASIA, blood/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, secretion/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ RADIOIMMUNOASSAY/ THYROID GLAND, blood supply

3538. **Shimomura O, Johnson FH:** Further data on the specificity of aequorin luminescence to calcium.
Biochem Biophys Res Commun 53:490-4, 17 Jul 73
*CALCIUM, metabolism/ CATIONS, DIVALENT/ COELENTERATA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ LANTHANUM/ *LUMINESCENCE/ PROTEIN BINDING/ *PROTEINS, metabolism/ YTTERBIUM

3539. **Shinada T, Tsukui J, Matsumoto S:** Estrogen
by Brenner tumors.
Am J Obstet Gynecol 116:408-11, 1 Ju
AGED/ *BRENNER TUMOR, metabolis
BRENNER TUMOR, pathology/ ESTRA
biosynthesis/ *ESTROGENS, biosynthes
ESTROGENS, metabolism/ ESTRONE,
biosynthesis/ FEMALE/ HUMAN/ IN
*OVARIAN NEOPLASMS, metabolism/
OVARIAN NEOPLASMS, pathology

3540. **Shinoda T:** Amino acid sequence of the first 6
of IgA myeloma protein.
Biochem Biophys Res Commun 52:1246-51,
ALKYLATION/ *AMINO ACID SEQUE
AMINO ACIDS, analysis/ CARBON IS
CHROMATOGRAPHY, ION EXCHANG
CHYMOTRYPSIN/ DANSYL COMPOUN
DITHIOTHREITOL/ ELECTROPHORES
FILTRATION/ HUMAN/ HYDROXYLA
*IGA, analysis/ IGA, isolation & purif
IODOACETATES/ *MYELOMA PROTE
analysis/ MYELOMA PROTEINS, isolat
purification/ OXIDATION-REDUCTION/
PEPTIDES, analysis/ PEPTIDES, isolat
purification/ THIOCYANATES/ TRYPS

3541. **Shitov ST:** Gidrokortizon pri lechenii ne
zabolevaii konechostei.
Veterinariia 49:89-91, Jun 73
ANIMAL EXPERIMENTS/ *CATTLE
DISEASES, drug therapy/ CATTLE DI
surgery/ EXTREMITIES/ FEMALE/
*HYDROCORTISONE, therapeutic use/
POSTOPERATIVE CARE

3542. **Shiu RP, Kelly PA, Friesen HG:** Radiorecepto
prolactin and other lactogenic hormon
Science 180:968-71, 1 Jun 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CATTLE/ CORTICOT
analysis/ FEMALE/ FISHES/ FSH, an
GONADOTROPINS, CHORIONIC, analy
GUINEA PIGS/ HUMAN/ IODINE ISO
LH, analysis/ MAMMAE, metabolism/
MONKEYS/ *PLACENTAL LACTOGEN
analysis/ PREGNANCY/ *PROLACTIN,
analysis/ PROLACTIN, blood/ RABBIT
*RADIOLIGAND ASSAY/ RATS/ REC
HORMONE/ SHEEP/ SOMATOTROPIN,
analysis/ THYROTROPIN, analysis/ TU

3543. **Shleifman FM, Zhirnova GE, Zelentsova
Materialy k gigienicheskoi otsenke tep
obiuchenila.
Gig Tr Prof Zabol 17:12-5, Mar 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ ENDO
GLANDS, physiopathology/ ENGLISH
ABSTRACT/ *HEAT, adverse effects/
HUMAN/ IMMUNOLOGY/ INDUSTRIA
MEDICINE/ INFRARED RAYS, adverse effects/ RABBITS/ RATS/ TI
FACTORS

3544. **Shomer-Ilan A, Avtalion RR, Leshem Y:**
evidence for the presence of an end
gonadotrophin-like plant factor, *phyto
isolation and mechanism of action of t
principle. Aust J Biol Sci 26:105-12,
ANIMAL EXPERIMENTS/ ANTIBODIE
ANTIGENS/ BIOLOGICAL ASSAY/
CARBOHYDRATES, biosynthesis/ FEM
GIBBERELLINS, antagonists & inhibit
*GONADOTROPINS, isolation & purifi
GONADOTROPINS, pharmacodynamics/
GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAIN, drug effe
HEMAGGLUTINATION INHIBITION T
MICE/ ORGAN WEIGHT/ PLANT EX
analysis/ *PLANTS, analysis/ PLANTS
effects/ PLANTS, metabolism/ RABBI
immunology/ UTERUS, drug effects

3545. **Shopfner CE, Cramer R, Cramer R:** Growth re
of long bone osteotomies. Br J Radiol 46:51
*BONE DEVELOPMENT/ CHILD, PRESCHOOL/ FEMALE/ GOUT, surge
HIP, abnormalities/ HIP, radiography/
surgery/ HUMAN/ INFANT/ *KNEE,

LIBRARY U OF I

abnormalities/ KNEE, radiography/ KNEE, surgery/ MALE/ OSTEOCHONDRITIS, surgery/ *OSTEOTOMY/ RICKETS, surgery

ader RE, Zeman FJ: In vitro synthesis of anterior tuitary growth hormone as affected by maternal rotein deprivation and postnatal food supply. Nutr 103:1012-7, Jul 73
ALBUMINS, biosynthesis/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ CARBON ISOTOPES/ CASEIN, administration & dosage/ DIETARY PROTEINS, administration & dosage/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ LACTATION/ LEUCINE, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROLACTIN, biosynthesis/ *PROTEIN DEFICIENCY, metabolism/ RATS/ *SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, secretion/ WEANING

ader RE, Zeman FJ: Skeletal development in rats as fected by maternal protein deprivation and etnatal food supply. J Nutr 103:792-801, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ *BONE DEVELOPMENT/ CASEIN, administration & dosage/ *DIETARY PROTEINS/ DIETARY PROTEINS, administration & dosage/ FEMALE/ FORELIMB, growth & development/ FORELIMB, radiography/ LACTATION/ MALE/ MATERNAL-FETAL EXCHANGE/ OSSIFICATION, PHYSIOLOGIC/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PROTEIN DEFICIENCY/ RATS/ SKELETON, growth & development/ SKELETON, radiography/ SPINE, growth & development/ TIBIA, growth & development

enberg AI, Gavrilenko EV: Gonadotoksicheskoe i nbriotoksicheskoe deistvie pishchevogo krasitelia aranta.
pr Pitan 31:28-33, Sep-Oct 72 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *AZO COMPOUNDS, toxicity/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ *DYES, toxicity/ *EMBRYO, drug effects/ ENGLISH ABSTRACT/ ESTRUS, drug effects/ FEMALE/ *FOOD ADDITIVES, toxicity/ *GONADS, drug effects/ MALE/ *NAPHTHOLS, toxicity/ OVARY, pathology/ PREGNANCY/ PREGNANCY, ANIMAL, drug effects/ RATS/ SPERMATOGENESIS, drug effects/ TESTIS, pathology/ TIME FACTORS

lman S, Centeno ER: Isolation and characterization a rabbit non-tissue specific autoantigen which is ared by kidney, heart, adrenal and liver. mmunology 24:925-37, May 73
*ADRENAL GLANDS, immunology/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *ANTIGENS, isolation & purification/ AUTOANTIGENS, isolation & purification/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DIALYSIS/ ELECTROPHORESIS, PAPER/ GEL DIFFUSION TESTS/ GEL FILTRATION/ *KIDNEY, immunology/ *LIVER, immunology/ MOLECULAR WEIGHT/ *MYOCARDIUM, mmunology/ ORGAN SPECIFICITY/ PRECIPITATION/ RABBITS/ ULTRACENTRIFUGATION/ WATER

alev VN, Reidler RM, Mingazova IV: Etapy rmirovaniia vegetativnoi nervnoi sistemy v sviazi s sniknoveniem ee osnovnykh mediatorov v nbriogeneze (prenatal'noe razvitie kholin- i renergicheskikh nervnykh elemnentov u cheloveka krolika.
kh Anat Gistol Embriol 63:48-66, Aug 72 (63 ref.) (Rus)
ACETYLCHOLINE, biosynthesis/ ADRENAL MEDULLA, embryology/ ADRENAL MEDULLA, metabolism/ ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ *AUTONOMIC NERVOUS SYSTEM, embryology/ CELIAC PLEXUS, embryology/ CELL DIFFERENTIATION/ CHROMAFFIN SYSTEM, embryology/ DOPAMINE, biosynthesis/ EPINEPHRINE, biosynthesis/ GANGLIA, AUTONOMIC, embryology/ GESTATIONAL AGE/ HEART, innervation/ HEART ATRIUM/ HEART VENTRICLE/ HISTOCYTOCHEMISTRY/ HUMAN/ MYENTERIC PLEXUS, embryology/ NERVE ENDINGS, embryology/ NOREPINEPHRINE, biosynthesis/ PARASYMPATHETIC NERVOUS SYSTEM, embryology/ PARASYMPATHETIC NERVOUS SYSTEM, metabolism/ PHYSIOLOGY, COMPARATIVE/ *RABBITS, embryology/ RATS/ RECEPTORS, NEURAL, embryology/ REVIEW/ SPLEEN, innervation/ SYMPATHETIC NERVOUS SYSTEM, embryology/ SYMPATHETIC NERVOUS SYSTEM, metabolism

3551. Shvedov VL, Tuzhilkova TN, Semenova VP: Izmenenila v kostnoi sisteme v zavisimosti ot dozy -izluchenila inkorporirovannogo Sr 90.
Med Radiol (Mosk) 17:46-51, Jul 72 (Rus)
ANIMAL EXPERIMENTS/ *BONE AND BONES, radiation effects/ ENGLISH ABSTRACT/ MALE/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ *STRONTIUM ISOTOPES

3552. Sica V, Cuatrecasas P: Effects of insulin, epinephrine, and cyclic adenosine monophosphate on pyruvate dehydrogenase of adipose tissue.
Biochemistry 12:2282-91, 5 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENZYME ACTIVATION/ *EPINEPHRINE, pharmacodynamics/ FASTING/ IN VITRO/ *INSULIN, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALE/ MITOCHONDRIA, enzymology/ *MULTIENZYME COMPLEXES, metabolism/ PUROMYCIN, pharmacodynamics/ PYRUVATE DEHYDROGENASE COMPLEX, isolation & purification/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ RATS/ TIME FACTORS

3553. Sickles EA, Sklansky BD, Wiernik PH: Benign intrathoracic lesions mimicking recurrent cancer.
JAMA 225:156-8, 9 Jul 73
ADULT/ BIOPSY/ CHORIOCARCINOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LEIOMYOMA, diagnosis/ LUNG DISEASES, radiography/ LUNG NEOPLASMS, radiography/ LYMPH NODES/ MIDDLE AGE/ MYOBLASTOMA, diagnosis/ NEOPLASM METASTASIS/ RECURRENCE/ SARCOIDOSIS, immunology/ SKIN TESTS/ *THORACIC DISEASES, diagnosis/ *THORACIC NEOPLASMS, diagnosis/ TOMOGRAPHY, RADIOGRAPHIC/ UTERINE NEOPLASMS, diagnosis

3554. Sicuteri F, Anselmi B, Del Bianco PL: 5-hydroxytryptamine supersensitivity as a new theory of headache and central pain: a clinical pharmacological approach with p-chlorophenylalanine.
Psychopharmacologia 29:347-56, 1973
BRAIN CHEMISTRY/ *P-CHLOROPHENYLALANINE, adverse effects/ P-CHLOROPHENYLALANINE, therapeutic use/ *DRUG HYPERSENSITIVITY/ *HEADACHE, etiology/ HUMAN/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ METARAMINOL, pharmacodynamics/ *MIGRAINE, drug therapy/ NOREPINEPHRINE/ NOREPINEPHRINE, pharmacodynamics/ PSILOCYBINE,

pharmacodynamics/ *SEROTONIN, adverse effects/ SEROTONIN, metabolism/ SYNDROME

3555. **Sidorenko LN, Shal'neva TS:** O patogeneticheskoi terapii disgormonal'noi giperplazii grudnykh zhelez u muzhchin.
Vopr Onkol 18:27-31, 1972 (Rus)
ADENOFIBROMA, drug therapy/ ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FIBROMA, surgery/ GENITAL DISEASES, MALE, complications/ *GYNECOMASTIA, drug therapy/ GYNECOMASTIA, etiology/ GYNECOMASTIA, surgery/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ 17-KETOSTEROIDS, urine/ LIBIDO/ LIPOMA, surgery/ MALE/ METHYLTESTOSTERONE, therapeutic use/ MIDDLE AGE/ PROSTATIC HYPERTROPHY, drug therapy/ TESTOSTERONE, therapeutic use/ VITAMINS, therapeutic use

3556. **Siegel A, Bandler RJ Jr, Flynn JP:** Thalamic sites and pathways related to elicited attack.
Brain Behav Evol 6:542-55, 1972
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ CATS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ THALAMIC NUCLEI, physiology/ THALAMUS, anatomy & histology/ *THALAMUS, physiology

3557. **Siegel NJ:** Natural history of childhood lipoid nephrosis. Am Heart J 86:139-41, Jul 73
CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ *NEPHROTIC SYNDROME/ NEPHROTIC SYNDROME, drug therapy/ REMISSION

3558. **Sievers DB, Donovan AJ:** Palliative treatment of mammary cancer. Response of soft tissue, pleural and pulmonary disease. Arch Surg 107:43-8, Jul 73
ADRENALECTOMY/ ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ *BREAST NEOPLASMS, therapy/ CASTRATION/ CYCLOPHOSPHAMIDE, therapeutic use/ DEXAMETHASONE, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ LUNG NEOPLASMS, therapy/ LYMPHATIC METASTASIS/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PALLIATIVE TREATMENT/ PLEURAL NEOPLASMS, therapy/ PREDNISONE, therapeutic use/ TESTOLACTONE, therapeutic use/ THORACIC NEOPLASMS, therapy

3559. **Silberberg DH, Laties AM:** Increased intracranial pressure in disseminated lupus erythematosus.
Arch Neurol 29:88-90, Aug 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ DIAGNOSIS, DIFFERENTIAL/ ECHOENCEPHALOGRAPHY/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *INTRACRANIAL PRESSURE/ INTRACRANIAL PRESSURE, drug effects/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ METHYLPREDNISOLONE, therapeutic use/ *PAPILLEDEMA, etiology/ PNEUMOENCEPHALOGRAPHY/ PREDNISONE, therapeutic use/ SEX FACTORS/ VISION DISORDERS, etiology

3560. **Simard CP:** Quelques modifications morphométriques, physiologiques, histologiques et biochimiques des tissue osseux et musculaires de la patte de rat immobilisée par le plâtre.
Vie Med Can Fr 2:325-40, Apr 73 (Fre)
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, analysis/ *BONE RESORPTION, physiopathology/ CALCIUM, analysis/ HINDLIMB/ *IMMOBILIZATION/ MUSCLES, analysis/ *MUSCULAR ATROPHY, physiopathology/ NITROGEN, analysis/ ORGAN WEIGHT/ PROTEINS, analysis/ RATS/ INBRED STRAINS/ TIME FACTORS

3561. **Simetskii OA:** O vyfrirnii nekotorykh antibio molokom. Veterinariia 12:89-90, Dec 72
ANIMAL EXPERIMENTS/ *ANTIBIOTICS pharmacodynamics/ CATTLE/ FEMALE/ *LACTATION, drug effects/ NEOMYCIN pharmacodynamics/ PENICILLIN, pharmacodynamics/ PREGNANCY

3562. **Simionescu S, Daniel B, Stancu C:** Les pro pharmacodynamiques non spécifiques de chlorpromazine (CPZ) par rapport à l'ac spécifique, propre du médicament.
Rev Roum Physiol 10:105-18, 1973
ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, drug effects/ CHLORPROMAZINE, administration & d CHLORPROMAZINE, adverse effects/ *CHLORPROMAZINE, pharmacodynamics CHROMAFFIN SYSTEM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRU ENDOCRINE GLANDS/ HEART, drug ef INJECTIONS, INTRAVENOUS/ INTESTI drug effects/ MUSCLE CONTRACTION, effects/ MUSCLE, SMOOTH, drug effect RABBITS/ SHOCK, TOXIC, chemically induced/ UTERUS, drug effe

3563. **Simko J, Cisiák I, Melich O, et al:** Katepsínoví a krvi a v placente za patologických stav metrorágiou v druhej polovici gravidity.
Cesk Gynekol 38:336-8, Jun 73
CATHEPSIN, blood/ *CATHEPSIN, metabolism/ FEMALE/ GESTATIONAL HUMAN/ *METRORRHAGIA, metabolism *PLACENTA, metabolism/ PLACENTA PRAEVIA, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS, metab TIME FACTORS

3564. **Simko J, Lukačín S, Nicák A, et al:** Hladina sero krvi gravidných žien s metrorágiou v II. gravidity. Cesk Gynekol 38:334-6, Jun 73
FEMALE/ GESTATIONAL AGE/ HUMA *METRORRHAGIA, blood/ PREGNANCY *PREGNANCY COMPLICATIONS, blood/ *SEROTONIN, blood/ TIME FACTORS

3565. **Simmons SR, Karnovsky ML:** Iodinating ab various leukocytes and their bactericidal J Exp Med 138:44-63, 1 Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATALASE, blood/ CELLS, CULTURED/ CHILD/ CYANIDES, pharmacodynamics/ ESCHERICHIA COL immunology/ FEMALE/ GUINEA PIGS/ HUMAN/ IN VITRO/ *IODINE, metabol IODINE ISOTOPES/ LEUKOCYTES, enzymology/ *LEUKOCYTES, metabolism MACROPHAGES, enzymology/ MACROP metabolism/ MALE/ MICE/ MONOCYTE enzymology/ MONOCYTES, metabolism/ MYCOBACTERIUM TUBERCULOSIS, immunology/ NADH, NADPH OXIDOREDUCTASES, blood/ PEROXID blood/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, blood/ *PHAGOCYTOS SPECTROPHOTOMETRY

3566. **Simon DR, Berman I, Howell DS:** Relation extracellular matrix vesicles to calcification i and healing rachitic epiphyseal cartilage
Anat Rec 176:167-79, Jun 73
ADENOSINE TRIPHOSPHATASE, metab ANIMAL EXPERIMENTS/ BONE MATR enzymology/ *BONE MATRIX, metaboli BONE MATRIX, pathology/ *CALCIFIC PHYSIOLOGIC/ CALCIUM, metabolism/ CARTILAGE, enzymology/ *CARTILAGE metabolism/ CARTILAGE, pathology/ *EPIPHYSES, metabolism/ EPIPHYSES, pathology/ FEMUR, enzymology/ FEMU metabolism/ FEMUR, pathology/ MEMBRANES/ MICROSCOPY, ELECTRO PHOSPHATES, metabolism/ PHOSPHAT therapeutic use/ PYROPHOSPHATASES metabolism/ RATS/ *RICKETS, metabol TIME FACTORS/ VITAMIN D, metabol

LIBRARY U. OF I. IMMUNOL...

VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, metabolism

nonin R, Roux H, Oliver C, et al: Effets d'une prise rale de L-Dopa sur les tax plasmatiques de TSH, CTH et GH chex les sujets normaux.
em Hop Paris 49:617-21, 20 Feb 73 (Fre)
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ *CORTICOTROPIN, blood/ *DOPA, administration & dosage/ DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMUS, drug effects/ MALE/ PERFUSION/ PITUITARY HORMONE RELEASING FACTORS, metabolism/ *SOMATOTROPIN, blood/ STRESS/ *THYROTROPIN, blood

npson AA, Simpson MH, Kulkarni PN: Effect of erphenazine during late pregnancy on prolactin roduction and lactogenesis in the rat.
Endocrinol 57:431-6, Jun 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, biosynthesis/ FEMALE/ GLUCOCORTICOIDS, biosynthesis/ *LACTATION, drug effects/ ORGAN WEIGHT/ *PERPHENAZINE, pharmacodynamics/ PITUITARY GLAND, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROLACTIN, analysis/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ SECRETORY RATE, drug effects

npson AA, Simpson MH, Kulkarni PN: Porlactin roduction and lactogenesis in rats after ovariectomy late pregnancy. J Endocrinol 57:425-9, Jun 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CASTRATION/ DNA, analysis/ FEMALE/ *LACTATION/ LACTOSE, analysis/ MAMMAE, analysis/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROLACTIN, analysis/ *PROLACTIN, biosynthesis/ PROLACTIN, blood/ RATS/ RNA, analysis

npson P, White AM: Binding of glucocorticoids to a oluble fraction from rat skeletal muscle.
iochem Pharmacol 22:1195-201, 15 May 73
ANIMAL EXPERIMENTS/ BETAMETHASONE, metabolism/ CATTLE/ CORTICOSTERONE, metabolism/ DEXAMETHASONE, metabolism/ GEL FILTRATION/ *GLUCOCORTICOIDS, metabolism/ HALF-LIFE/ IN VITRO/ MATHEMATICS/ MUSCLE PROTEINS, metabolism/ *MUSCLES, metabolism/ NITRATES/ PREDNISOLONE, metabolism/ PROTEIN BINDING/ RATS/ TEMPERATURE/ TIME FACTORS/ TRIAMCINOLONE, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM

ger I, Rotenberg D: Mechanisms of lithium action.
Engl J Med 289:254-60, 2 Aug 73 (9 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ADRENAL CORTEX HORMONES, secretion/ BIOLOGICAL TRANSPORT, drug effects/ BRAIN, metabolism/ CARBOHYDRATES, metabolism/ CATECHOLAMINES, secretion/ CIRCADIAN RHYTHM, drug effects/ DIABETES INSIPIDUS, metabolism/ ELECTROLYTES, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ HEART, drug effects/ HUMAN/ HYPERTHYROIDISM, drug therapy/ INTESTINAL ABSORPTION, drug effects/ KIDNEY, physiology/ LIPIDS, metabolism/ LITHIUM, adverse effects/ LITHIUM, metabolism/ *LITHIUM, pharmacodynamics/ LITHIUM, therapeutic use/ NERVOUS SYSTEM, metabolism/ NEURAL CONDUCTION, drug effects/ NEURAL TRANSMISSION, drug effects/ REVIEW/ THYROTROPIN, physiology/ THYROXINE, secretion/ VASOPRESSIN, physiology/ WATER, metabolism

ger S, Becker JE, Litwack G: The principal ucocorticoid binding macromolecule in hepatoma ells in culture is similar to corticosteroid binder II of at liver cytosol.
Biochem Biophys Res Commun 52:943-50, 8 Jun 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CHROMATOGRAPHY, ION EXCHANGE/ CYTOSOL, analysis/ GEL FILTRATION/ *HEPATOMA, metabolism/ *HYDROCORTISONE, metabolism/ ISOELECTRIC FOCUSING/ LIVER, cytology/ *LIVER, metabolism/ MACROMOLECULAR SYSTEMS/ PROTEIN BINDING/ *PROTEINS, analysis/ RATS/ *RECEPTORS, HORMONE

3573. **Singh D:** Effects of preoperative training on food-motivated behavior of hypothalamic hyperphagic rats.
J Comp Physiol Psychol 84:47-52, Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CONDITIONING, OPERANT/ DRINKING/ EATING/ EMOTIONS/ *FEEDING BEHAVIOR/ FEMALE/ HOUSING, ANIMAL/ *HUNGER/ *HYPOTHALAMUS, physiology/ RATS/ REINFORCEMENT SCHEDULE/ SATIATION

3574. **Singh EJ, Boss S:** Effects of oral contraceptives on anions and cations of human cervical mucus.
Am J Obstet Gynecol 116:1017-22, 1 Aug 73
ADULT/ BROMIDES, analysis/ CALCIUM, analysis/ CATIONS, MONOVALENT/ CERVIX MUCUS, analysis/ *CERVIX MUCUS, drug effects/ CHLORIDES, analysis/ CHROMATOGRAPHY, PAPER/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, pharmacodynamics/ *ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ IODIDES, analysis/ MAGNESIUM, analysis/ MENSTRUATION, drug effects/ *MESTRANOL, pharmacodynamics/ *NORGESTREL, pharmacodynamics/ POTASSIUM CHLORIDE, analysis/ SODIUM CHLORIDE, analysis/ TIME FACTORS/ ZINC, analysis

3575. **Singh N, Singh VN, Venkitasubramanian TA:** Effect of hypervitaminosis A on adrenal corticosteroids.
Indian J Biochem Biophys 9:313-4, Dec 72
ACETATES, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CHOLESTEROL, metabolism/ FEMALE/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ RATS/ STIMULATION, CHEMICAL/ *VITAMIN A, toxicity

3576. **Singh S, Singh SP:** Identification of sex from the humerus. Indian J Med Res 60:1061-6, Jul 72
ANTHROPOMETRY/ FEMALE/ HUMAN/ *HUMERUS, anatomy & histology/ MALE/ ORGAN WEIGHT/ *SEX DETERMINATION

3577. **Sinha YN, Wilkins JN, Selby F, et al:** Pituitary and serum growth hormone during undernutrition and catch-up growth in young rats.
Endocrinology 92:1768-71, Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ *GROWTH/ IN VITRO/ MALE/ *NUTRITION DISORDERS, metabolism/ ORGAN WEIGHT/ *PITUITARY GLAND, metabolism/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism/ TRITIUM

3578. **Sinnamon HM, Schwartzbaum JS:** Dorsal hippocampal unit and egg responses to rewarding and aversive brain stimulation in rats.
Brain Res 56:183-202, 29 Jun 73
ANIMAL EXPERIMENTS/ CORTICAL DESYNCHRONIZATION/ CORTICAL SYNCHRONIZATION/ ELECTRIC STIMULATION/ *ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ *MESENCEPHALON, physiology/

MOTIVATION/ RATS/ *REWARD/ TEGMENTUM MESENCEPHALI, physiology

3579. **Sinnatamby CS, Gordon AB, Griffiths JD:** The occurrence of carcinoid tumour in teratoma of the testis. Br J Surg 60:576-9, Jul 73
ADULT/ *CARCINOID TUMOR, complications/ CARCINOID TUMOR, diagnosis/ CARCINOID TUMOR, pathology/ CARCINOID TUMOR, surgery/ HUMAN/ MALE/ *TERATOID TUMOR, complications/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

3580. **Sisenwine SP, Kimmel HB, Liu AL, et al:** Urinary metabolites of DL-norgestrel in women.
Acta Endocrinol (Kbh) 73:91-104, May 73
ADULT/ AUTORADIOGRAPHY/ BIOTRANSFORMATION/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROXYLATION/ HYDROXYSTEROIDS, urine/ KETOSTEROIDS, urine/ MASS SPECTRUM ANALYSIS/ *NORGESTREL, metabolism/ *PREGNENES, urine/ SPECTRUM ANALYSIS/ STEROIDS, analysis/ STEROIDS, isolation & purification

3581. **Sisson JC, Kothary P, Kirchick H:** The effects of lymphocytes, sera, and long-acting thyroid stimulator from patients with Graves' disease on retrobulbar fibroblasts. J Clin Endocrinol Metab 37:17-24, Jul 73
*BLOOD/ CONNECTIVE TISSUE, metabolism/ FIBROBLASTS, drug effects/ *FIBROBLASTS, metabolism/ GLUCOSE, metabolism/ *GOITER, EXOPHTHALMIC, blood/ HUMAN/ IGG/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ *LYMPHOCYTES/ MUCOPOLYSACCHARIDES, biosynthesis/ TISSUE CULTURE

3582. **Siver PIa:** Izmeneniia okislitel'no-vosstano-vitel'nykh protsessov v nekotorykh organakh it tkaniakh krys pod viianiem oksitotsina.
Probl Endokrinol (Mosk) 19:93-5, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ ENGLISH ABSTRACT/ FEMALE/ HYPOPHYSECTOMY/ LIVER, analysis/ MUSCLES, analysis/ MYOCARDIUM, analysis/ *OXIDATION-REDUCTION/ *OXYTOCIN, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ STOMACH, analysis/ SULFHYDRYL COMPOUNDS, analysis/ UTERUS, analysis

3583. **Six B, Kahn MF, Séze S de:** L'ACTH a-t-elle un intérêt en rhumatologie.
Rev Rhum Mal Osteoartic 39:327-30, Apr 72 (Fre)
CORTICOTROPIN, adverse effects/ CORTICOTROPIN, metabolism/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, therapeutic use/ DRUG TOLERANCE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ PITUITARY-ADRENAL SYSTEM, drug effects/ *RHEUMATISM, drug therapy

3584. **Sizonenko PC, Cuendet A, Paunier L:** FSH. I. Evidence for its mediating role on testosterone secretion in cryptorchidism.
J Clin Endocrinol Metab 37:68-73, Jul 73
BINDING, COMPETITIVE/ CHILD/ CHILD, PRESCHOOL/ CROSS REACTIONS/ *CRYPTORCHISM, blood/ FSH, blood/ *FSH, physiology/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, blood/ MALE/ PUBERTY/ TESTIS, abnormalities/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion/ TRITIUM

3585. **Skeggs DB:** Complications associated with the radiotherapy of thymic tumours.
Proc R Soc Med 66:155-7, Feb 73
ADULT/ EDROPHONIUM CHLORIDE, therapeutic use/ HUMAN/ INFLUENZA, complications/ MALE/ MYASTHENIA GR
radiotherapy/ NEOSTIGMINE, therapeutic
PERICARDITIS, etiology/ PNEUMONIA, etiology/ PREDNISOLONE, therapeutic us
PULMONARY FIBROSIS, etiology/ PYRIDOSTIGMINE BROMIDE, therapeutic
RADIATION INJURIES/ *RADIOTHERAPY adverse effects/ RADIOTHERAPY DOSAG
THYMUS NEOPLASMS, drug therapy/ *THYMUS NEOPLASMS, radiotherapy

3586. **Skellern GG, Stenlake JB, Williams WD:** T
absorption, distribution, excretion and metabol
(2- 14 C)methimazole in rat.
Xenobiotica 3:121-32, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPH
THIN LAYER/ DENSITOMETRY/ FEMAL
GLUCURONIDASE, metabolism/ HYDROL
IN VITRO/ LIVER, enzymology/ MALE/
*METHIMAZOLE, metabolism/ METHIMAZ
urine/ RATS/ SEX FACTORS/ THYROID GLAND, metabolism/ TIME FACTORS

3587. **Skillen AW, Harrison J:** Serum alkaline phosph
Effect of pH and buffer on optimum sub
concentration. Clin Chim Acta 45:287-91, 18 M
ALKALINE PHOSPHATASE, analysis/ *ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, metabolism/ AUTOANALYSIS/ BONE AND BONES, enzymology/ BUFFERS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINES, enzymology/ ISOENZYMES, analysis/ ISOENZYMES, blood/ ISOENZYM
metabolism/ KINETICS/ LIVER, enzymolo
ORGAN SPECIFICITY/ SPECTROPHOTOMETRY

3588. **Skorkowski EF, Kleinholz LH:** Comparison of
pigment concentrating hormone from Crango
Pandalus. Gen Comp Endocrinol 20:595-7, J
ANIMAL EXPERIMENTS/ CHEMISTRY/ *CRUSTACEA/ GEL FILTRATION/ *HORMONES, isolation & purification/ MOLECULAR WEIGHT/ PIGMENTS/ PRONASE/ TRYPSIN

3589. **Skromne-Kadlubik G, Alvarez-Cervera J, Cortés-Marmolejo F:** Gamagrafía suprarrenal en
humanos utilizando 131 I-dicloro difenil-dicloro
Arch Inst Cardiol Mex 43:245-8, Mar-Apr 73
*ADENOMA, diagnosis/ ADMINISTRATIO
ORAL/ *ADRENAL GLAND NEOPLASMS diagnosis/ DDD, administration & dosage/
*DDD, diagnostic use/ ENGLISH ABSTRA
HUMAN/ IODINE ISOTOPES, DIAGNOST
*PHEOCHROMOCYTOMA, diagnosis/
*RADIOISOTOPE SCANNING/ TIME FAC

3590. **Slavnov VN, Markov VV, Malinkovich VD:**
Diagnosticheskoe znachenie koeffitsienta
trifodironina, obschego i svobodnogo tiroks
bol'nykh tireotoksikozom.
Med Radiol (Mosk) 18:21-8, Mar 73
ADULT/ ENGLISH ABSTRACT/ FEMALE
HUMAN/ HYPERTHYROIDISM, blood/
*HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDL
AGE/ *THYROXINE, blood/
*TRIIODOTHYRONINE, blood

3591. **Slotnick BM, McMullen MF:** Response inhi
deficits in mice with septal, amygdala, or cin
cortical lesions. Physiol Behav 10:385-9, F
AMYGDALOID BODY, anatomy & histolo
*AMYGDALOID BODY, physiology/ ANIM
EXPERIMENTS/ *AVOIDANCE LEARNIN
EMOTIONS/ FEMALE/ GYRUS CINGULI
anatomy & histology/ *GYRUS CINGULI,
physiology/ *INHIBITION (PSYCHOLOGY
MICE/ SEPTUM PELLUCIDUM, anatomy
histology/ *SEPTUM PELLUCIDUM, phys

3592. **Slowik J:** Cytochemical reactions in the cells
white blood cell system of the rat bone-marrow
the influence of thyroxine and methylthio
Folia Histochem Cytochem (Krakow) 11:59-64
ADENOSINE TRIPHOSPHATASE, metabol
ALKALINE PHOSPHATASE, metabolism/

LIBRARY U. OF I. (illegible)

ANIMAL EXPERIMENTS/ BONE MARROW CELLS, enzymology/ *BONE MARROW CELLS, metabolism/ GLYCOGEN, metabolism/ HEMATOPOIESIS, drug effects/ *LEUKOCYTES, drug effects/ LEUKOCYTES, enzymology/ LIPIDS, metabolism/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ PEROXIDASES, metabolism/ RATS/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics

unsky R: Trasylol als Inhibitor der hromboplastischen Wirkung von Fruchtwasser und Plazentaextrakten.
Folia Haematol (Leipz) 98:338-45, 1972 (Ger)
ADULT/ *AMNIOTIC FLUID, drug effects/ BLOOD COAGULATION, drug effects/ BLOOD COAGULATION TESTS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ *PLACENTAL EXTRACTS/ PREGNANCY/ THROMBOPLASTIN, antagonists & inhibitors

y RM, Joseph F, Johnson CM: Effect of exercise on erum monoamine oxidase and airway obstruction in sthmatic children. Ann Allergy 31:328-30, Jul 73
ADOLESCENCE/ *AIRWAY OBSTRUCTION/ AIRWAY OBSTRUCTION, enzymology/ ASTHMA, enzymology/ *ASTHMA, physiopathology/ CHILD/ *EXERTION/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *MONOAMINE OXIDASE, blood/ TIME FACTORS

ith B, Wiggs EO: Differential diagnosis in orbital njury. Internal carotid-cavernous sinus fistula, rbital, hematoma, blow-out fracture.
rch Ophthalmol 89:484-5, Jun 73
ARTERIOVENOUS FISTULA, diagnosis/ *ARTERIOVENOUS FISTULA, etiology/ AUSCULTATION/ *CAROTID ARTERIES, injuries/ *CAROTID ARTERY DISEASES, diagnosis/ CAROTID ARTERY, INTERNAL, injuries/ *CAVERNOUS SINUS, injuries/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ DIPLOPIA, etiology/ EXOPHTHALMOS, etiology/ HEMATOMA, diagnosis/ *HEMATOMA, etiology/ HUMAN/ MALE/ ORBIT, blood supply/ *ORBIT, injuries/ *SKULL FRACTURES, diagnosis

ith DF, Thomsen K: Renal lithium clearance in drenalectomized rats. Am J Physiol 225:159-61, Jul 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CREATININE, metabolism/ DIET, SALT-FREE/ DIURESIS/ *KIDNEY, metabolism/ KIDNEY, physiology/ *LITHIUM, metabolism/ MALE/ NATRIURESIS/ POTASSIUM, urine/ RATS

ith ER, Dominguez R, Levine S: Effects of water estriction on reproductive function in female rats. leuroendocrinology 12:41-51, 1973
*ADRENAL CORTEX HORMONES, secretion/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ *ESTRUS/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ LH, blood/ OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM/ *PROGESTERONE, physiology/ RATS/ *SEX BEHAVIOR, ANIMAL/ *WATER DEPRIVATION

ith JP, Rutledge FN: Metastatic ovarian cancer. lin Obstet Gynecol 16:286-97, Jun 73
CARCINOMA, MUCINOUS, drug therapy/ CARCINOMA, MUCINOUS, radiotherapy/ CARCINOMA, MUCINOUS, surgery/ CARCINOMA, MUCINOUS, therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ CYSTADENOCARCINOMA, drug therapy/ CYSTADENOCARCINOMA, radiotherapy/ CYSTADENOCARCINOMA, surgery/ CYSTADENOCARCINOMA, therapy/ DACTINOMYCIN, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ MELPHALAN, administration & dosage/ *MELPHALAN, therapeutic use/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy

3599. **Smith KD, Geraci A, Luparello FJ:** Basal ganglia calcification in postoperative hypoparathyroidism.
NY State J Med 73:1807-9, 1 Jul 73
*CALCINOSIS, complications/ CALCINOSIS, diagnosis/ FEMALE/ *GANGLIA, BASAL, pathology/ HUMAN/ HYPOPARATHYROIDISM, etiology/ MIDDLE AGE/ *THYROIDECTOMY, adverse effects

3600. **Smith KL, Schanbacher FL:** Hormone induced lactation in the bovine. I. Lactational performance following injections of 17 -estradiol and progesterone.
J Dairy Sci 56:738-43, Jun 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CATTLE DISEASES, physiopathology/ CORPUS LUTEUM, anatomy & histology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FATS, analysis/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *LACTATION, drug effects/ MILK, analysis/ MILK PROTEINS, analysis/ OVARIAN CYSTS, physiopathology/ OVARIAN CYSTS, veterinary/ PREGNANCY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ STERILITY, FEMALE/ STERILITY, FEMALE, veterinary/ STIMULATION, CHEMICAL

3601. **Smith MS:** Changes in distribution of alkaline phosphatase during early implantation and development of the mouse.
Aust J Biol Sci 26:209-17, Feb 73
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ DECIDUA, enzymology/ ECTODERM, enzymology/ *EMBRYO, enzymology/ EPITHELIUM, enzymology/ ESTRUS/ FEMALE/ HISTOCYTOCHEMISTRY/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED CBA/ *NIDATION/ PLACENTA, enzymology/ PREGNANCY/ TIME FACTORS/ TROPHOBLAST, enzymology/ *UTERUS, enzymology

3602. **Smith RB, Walsh PC, Goodwin WE:** Cyproterone acetate in the treatment of advanced carcinoma of the prostate. J Urol 110:106-8, Jul 73
ACID PHOSPHATASE, blood/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ *ANDROGENS, antagonists & inhibitors/ BONE NEOPLASMS, drug therapy/ *CARCINOMA, drug therapy/ CARCINOMA, enzymology/ CYPROTERONE, administration & dosage/ CYPROTERONE, therapeutic use/ ESTROGENS, therapeutic use/ HUMAN/ LIVER NEOPLASMS, drug therapy/ LUNG NEOPLASMS, drug therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PREGNADIENES, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, enzymology

3603. **Smith RS, Sherman NA, Middleton E Jr:** Effect of hydrocortisone and isoproterenol on immunoglobulin synthesis by peripheral blood lymphocytes of patients with asthma. J Allergy Clin Immunol 51:328-34, Jun 73
ADOLESCENCE/ ADULT/ *ASTHMA, immunology/ CELLS, CULTURED/ FEMALE/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ IGG, biosynthesis/ *IMMUNOGLOBULINS, biosynthesis/ *ISOPROTERENOL, pharmacodynamics/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ TIME FACTORS

3604. **Smith VH:** Medial decompression of the orbit for endocrine exophthalmos.
Trans Ophthalmol Soc UK 92:485-90, 1972
ADULT/ DIPLOPIA, etiology/ EXOPHTHALMOS, etiology/

EXOPHTHALMOS, surgery/ FEMALE/ HUMAN/ KERATITIS, complications/ MALE/ METHODS/ *ORBIT, surgery/ POSTOPERATIVE COMPLICATIONS/ THYROIDECTOMY

3605. **Smodlaka J, Durić D, Martinović Z, et al:** Electroencephalograms in patients with hypothyrosis. Acta Med Iugosl 27:165-72, 1973
BRAIN, physiopathology/ ELECTROENCEPHALOGRAPHY/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, physiopathology/ MENTAL RETARDATION, etiology

3606. **Smythe GA, Lazarus L:** Blockade of serotonin induced GH secretion in rats by melatonin and cyproheptadine. Horm Metab Res 5:227, May 73
ANIMAL EXPERIMENTS/ CYPROHEPTADINE, pharmacodynamics/ FEMALE/ MALE/ *MELATONIN, pharmacodynamics/ PITUITARY GLAND, drug effects/ RADIOIMMUNOASSAY/ RATS/ *SEROTONIN, antagonists & inhibitors/ *SOMATOTROPIN, blood

3607. **Smythe GA, Lazarus L:** Blockade of the dopamine-inhibitory control of prolactin secretion in rats by 3,4-dimethoxyphenylethylamine (3,4-di-O-methyldopamine).
Endocrinology 93:147-51, Jul 73
ANIMAL EXPERIMENTS/ DOPA, antagonists & inhibitors/ DOPA, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ *PHENETHYLAMINES, pharmacodynamics/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ RECEPTORS, DRUG

3608. **Snapir N, Ravona H, Perek M:** Effect of electrolytic lesions in various regions of the basal hypothalamus in White Leghorn cockerels upon food intake, obesity, blood plasma triglycerides and proteins.
Poult Sci 52:629-36, Mar 73
ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, anatomy & histology/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BLOOD PROTEINS, analysis/ BODY WEIGHT/ *CHICKENS, metabolism/ *EATING/ FATTY LIVER, metabolism/ FATTY LIVER, veterinary/ HEMATOCRIT/ HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiology/ LIPOPROTEINS, blood/ LIVER, analysis/ LIVER, anatomy & histology/ MALE/ OBESITY, etiology/ *OBESITY, veterinary/ ORGAN WEIGHT/ *POULTRY DISEASES, etiology/ TESTIS, anatomy & histology/ *TRIGLYCERIDES, blood

3609. **Snart RS, Dalton T:** Response of toad bladder to prolactin.
Comp Biochem Physiol [A] 45:307-11, 1 Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *BLADDER, drug effects/ BLADDER, metabolism/ BLADDER, physiology/ BUFO MARINUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC CONDUCTIVITY/ ELECTROPHYSIOLOGY/ IN VITRO/ KINETICS/ MEMBRANE POTENTIALS, drug effects/ OXYGEN CONSUMPTION, drug effects/ *PROLACTIN, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL/ TEMPERATURE

3610. **Snochowski M, Hampl R, Stárka L:** Evidence for dehydroepiandrosterone excretion in rat urine.
Endocrinol Exp (Bratisl) 7:133-6, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, urine/ MALE/ PHOTOMETRY/ RADIOISOTOPE DILUTION TECHNIC/ RATS

3611. **Soares de Moura R, Rodrigues H, Soliero L:** Hydrocortisone and vascular reactivity in dogs with hemorrhagic shock. Pharmacology 9:226-32, 1973
ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD CIRCULATION, drug effects/ BLOOD PRESSURE, drug effe
BLOOD VESSELS, drug effects/ *BLO
VESSELS, physiopathology/ CAROTID
ARTERIES, drug effects/ DOGS/ DRU
INTERACTIONS/ FEMALE/ *HYDROCORTISONE, pharmacodynamic
MALE/ MESENTERIC ARTERIES, drug effects/ MESENTERIC VEINS, d
effects/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE
pharmacodynamics/ *SHOCK, HEMORR
physiopathology

3612. **Socha J, Mikolajczyk J, Cichy W, et al:** Zach
podstawowych wskaźników gospodarki elek
w czasie wydzielania żołądkowego HCl
chorych na cukrzycę.
Pol Tyg Lek 28:599-602, 23 May 73
CALCIUM, metabolism/ CHLORINE, metabolism/ *DIABETES MELLITUS, JUVENILE, metabolism/ ENGLISH ABSTRACT/ *GASTRIC JUICE, meta
HUMAN/ PHOSPHORUS, metabolism/
POTASSIUM, metabolism/ SODIUM, metabolism

3613. **Socolar SJ:** Cell coupling in epithelia.
Exp Eye Res 15:693-8, 24 May 73 (
ANIMAL EXPERIMENTS/ CALCIUM
metabolism/ CELL MEMBRANE
PERMEABILITY/ CELLS, CULTURE
DIPTERA/ *EPITHELIAL CELLS, cy
EPITHELIAL CELLS, metabolism/
FLUORESCEINS/ *INTERCELLULAR
JUNCTIONS/ MEMBRANE POTENTI
MOLECULAR WEIGHT/ REVIEW

3614. **Soderman DD, Germershauden J, Katzen H:** binding of intact fat cells and their immobilized insulin.
Proc Natl Acad Sci USA 70:792-6,
ADIPOSE TISSUE, cytology/ *ADIPO
TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ CARBON ISOTOPE
MEMBRANE, metabolism/
CHROMATOGRAPHY, AFFINITY/ F
pharmacodynamics/ GLUCAGON,
pharmacodynamics/ IMMUNE SERU
pharmacodynamics/ *INSULIN, meta
IODINE ISOTOPES/ LH, pharmacod
MALE/ POLYSACCHARIDES/ PRO
pharmacodynamics/ RADIOLIGAND
RATS/ *RECEPTORS, HORMONE/
RECEPTORS, HORMONE, drug effe
SERUM ALBUMIN, BOVINE,
pharmacodynamics/ SOMATOTROPI
pharmacodynamics/ TRYPSIN,
pharmacodynamics

3615. **Solka CV:** Combatting osteoporosis.
Am J Nurs 73:1193-7, Jul 73
AGED/ DIET THERAPY/ ESTROG
therapeutic use/ EXERCISE THER
FEMALE/ HUMAN/ MALE/ MIDDL
*OSTEOPOROSIS, prevention & co

3616. **Sokolova VD, Sharoukhova KS, Gonchar**
Ekskretsiia FSG i steroidnykh gormon
rakom molochnoi zhelezy pri khimi
Vopr Onkol 18:19-22, 1972
*BREAST NEOPLASMS, drug ther
BREAST NEOPLASMS, urine/
CYCLOPHOSPHAMIDE, therapeuti
*ESTROGENS, urine/ FEMALE/
FLUOROURACIL, therapeutic use
urine/ *GLUCOCORTICOIDS, urine
17-HYDROXYCORTICOSTEROIDS,
17-KETOSTEROIDS, urine/ MENOP
METHOTREXATE, therapeutic use
NEOPLASM METASTASIS/ NEOP
RECURRENCE, LOCAL/ *PREGN
urine/ THIO-TEPA, therapeutic u
FACTORS/ VINBLASTINE, therap

3617. **Sokolovskii RM, Vol'fson NI:** Onkogen
klassifikatsiia novoobrazovatel'nykh
Vopr Onkol 18:106-10, 1972
ADENOFIBROMA, pathology/ AN
EXPERIMENTS/ HORMONES, ph
HUMAN/ HYPERPLASIA, patholo

LIBRARY U OF

NEOPLASMS, classification/ *NEOPLASMS, etiology/ NEOPLASMS, pathology/ NEOPLASMS, EXPERIMENTAL, pathology

lbach HG, Wiegelman W: Intranasal application of uteinising-hormone releasing hormone.
ancet 1:1259, 2 Jun 73
*ADMINISTRATION, INTRANASAL/ ADULT/ FSH, blood/ HUMAN/ LH, blood/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ TIME FACTORS

lís Herruzo JA, Pérez Peña F: Protoporfira ritropoyética (II. Patogenia, fisiopatología y ratamiento.
ev Clin Esp 129:1-14, 1 Apr 73 (97 ref.) (Spa)
ADENOSINE MONOPHOSPHATE, therapeutic use/ ADENOSINE TRIPHOSPHATE, therapeutic use/ ANTIMALARIALS, therapeutic use/ DIET THERAPY/ *ERYTHROPOIESIS/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ INOSINE, therapeutic use/ ISONIAZID, therapeutic use/ LIVER, physiopathology/ LIVER EXTRACTS, therapeutic use/ OINTMENTS/ PORPHYRIA, drug therapy/ PORPHYRIA, etiology/ *PORPHYRIA, familial & genetic/ PORPHYRIA, physiopathology/ PORPHYRIA, therapy/ REVIEW/ SPLEEN, physiopathology/ SPLENECTOMY/ SUNSCREENING AGENTS, therapeutic use/ VITAMIN E, therapeutic use

omon L: Drug-induced arthropathy and necrosis of e femoral head.
Bone Joint Surg [Br] 55:246-61, May 73
ADULT/ AGED/ ALCOHOLISM, complications/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ARTHRITIS, RHEUMATOID, drug therapy/ ASTHMA, drug therapy/ BONE REGENERATION/ FEMALE/ FEMUR HEAD, pathology/ *FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, pathology/ FEMUR HEAD NECROSIS, radiography/ *HIP JOINT/ HUMAN/ *IRON, adverse effects/ *JOINT DISEASES, chemically induced/ KIDNEY, transplantation/ LIPIDS, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, chemically induced/ PEMPHIGUS, drug therapy/ PERIARTERITIS NODOSA, drug therapy/ *PREDNISONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS

ter D, Damjanov I: Explantation of extraembryonic rts of 7-day-old mouse egg cylinders.
xperientia 29:701-2, 15 Jun 73
ANIMAL EXPERIMENTS/ DISGERMINOMA, pathology/ FEMALE/ HYALIN SUBSTANCE, secretion/ KIDNEY/ MICE/ OVUM, cytology/ OVUM, growth & development/ OVUM, metabolism/ *OVUM, transplantation/ PREGNANCY/ TRANSPLANTATION, HOMOLOGOUS

nov BA, Khamaganova AV, Vinokurov IN, et al: imenenie aerozolei (dermomiksina i oksikorta) v rmatologicheskoi praktike.
estn Dermatol Venerol 47:86-8, Jan 73 (Rus)
*AEROSOLS, therapeutic use/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ HYPERSENSITIVITY, drug therapy/ MALE/ *NEOMYCIN, therapeutic use/ *OXYTETRACYCLINE, therapeutic use/ *SKIN DISEASES, drug therapy/ SKIN DISEASES, INFECTIOUS, drug therapy

nova L, Orbetzova V, Kirov C: Investigation of rtain haematologic parameters in rats treated with ostaglandins (E 1 , E 2 , A 1 , A 2 , Resp.).
or Vasa 15:125-35, 1973
ANIMAL EXPERIMENTS/ *BLOOD, drug effects/ BLOOD CELL COUNT/ *BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, drug effects/ *BLOOD PRESSURE, drug effects/ BLOOD SEDIMENTATION/ FEMALE/ HEMOGLOBINOMETRY/ MALE/ PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RATS

3624. Sonea S, Sandor T: Augmentation du nombre des plages d'un coliphage ARN par l'action de stéroïdes hormonaux.
Rev Can Biol 31:321-2, Dec 72 (Fre)
*COLIPHAGES, drug effects/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ PLAQUE ASSAY/ *PROGESTERONE, pharmacodynamics/ RNA VIRUSES, drug effects/ *TESTOSTERONE, pharmacodynamics

3625. Söremark R, Söremark C, Martin-Löf S, et al: Thermal expansion in dental tissues.
Ann NY Acad Sci 204:169-90, 30 Mar 73
ADENOSINE DIPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ALUMINUM/ BONE AND BONES/ DENTAL ENAMEL/ DENTAL MATERIALS/ DENTIN/ DNA/ GLUCOSE/ MATHEMATICS/ NUCLEAR MAGNETIC RESONANCE/ RNA/ TEMPERATURE/ THERMAL CONDUCTIVITY/ THERMODYNAMICS/ *TOOTH, physiology/ WATER/ X-RAY DIFFRACTION

3626. Sorensen NE: Modification of isodose curves by means of compensating filters.
Acta Radiol [Ther] (Stockh) 11:590-2, Dec 72
FILTRATION/ HUMAN/ METHODS/ MODELS, THEORETICAL/ *NECK NEOPLASMS, radiotherapy/ *RADIOTHERAPY DOSAGE/ TECHNOLOGY, RADIOLOGIC, instrumentation/ *THYROID NEOPLASMS, radiotherapy

3627. Sorour O, Rifaat M, Lofti M: The relative frequency of brain tumours in Egypt. Afr J Med Sci 4:178-86, Apr 73
ADOLESCENCE/ ADULT/ *BRAIN NEOPLASMS, occurrence/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, occurrence/ EGYPT/ EPENDYMOMA, occurrence/ FEMALE/ GLIOMA, occurrence/ HUMAN/ MALE/ MEDULLOBLASTOMA, occurrence/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEUROMA, occurrence/ PINEALOMA, occurrence/ PITUITARY NEOPLASMS, occurrence

3628. Soter NA, Wilkinson DS, Fitzpatrick TB: Clinical dermatology (third of three parts).
N Engl J Med 289:296-302, 9 Aug 73 (118 ref.)
ACNE, therapy/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ BACTERIAL INFECTIONS, complications/ CARCINOMA, BASAL CELL, etiology/ CARCINOMA, EPIDERMOID, etiology/ CHILD/ DERMATOLOGIC AGENTS, administration & dosage/ HERPESVIRUS INFECTIONS/ HUMAN/ OCCLUSIVE DRESSINGS/ PHOTOSENSITIZATION, drug therapy/ PSORIASIS/ REVIEW/ *SKIN DISEASES/ SKIN DISEASES, drug therapy/ SKIN DISEASES, INFECTIOUS, drug therapy/ SKIN MANIFESTATIONS/ SKIN NEOPLASMS, etiology/ STAPHYLOCOCCAL INFECTIONS/ SUNBURN, prevention & control/ SUNLIGHT/ SUNSCREENING AGENTS/ VIRUS DISEASES, complications

3629. Soulairac A, Schaub C, Franchimont P, et al: Influence des neuroleptiques sur la fonction hypothalamo-hypophyso-corticotrope et sur la fonction hypothalamo-somatotrope.
Ann Endocrinol (Paris) 33:340-3, Jul-Aug 72 (Fre)
*ADRENAL GLANDS, drug effects/ BLOOD SUGAR, analysis/ *CHLORPROMAZINE, pharmacodynamics/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMUS, drug effects/ PHENOTHIAZINES, therapeutic use/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND FUNCTION TESTS/ PSYCHOSES, drug therapy/ RADIOIMMUNOASSAY/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL

3630. **Soulairac ML, Soulairac A:** Action des substances neuro-stimulantes sur le comportement sexuel du rat mâle après lésions du cortex cérébral.
J Physiol (Paris) 65:Suppl 3:504A, 1972 **(Fre)**
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ *CEREBRAL CORTEX, physiology/ ELECTROCOAGULATION/ MALE/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ *TESTOSTERONE, pharmacodynamics

3631. **Souma JA, Niejadlik DC, Cottrell S, et al:** Comparison of thyroid function in each trimester of pregnancy with the use of triiodothyronine uptake, thyroxine iodine, free thyroxine, and free thyroxine index.
Am J Obstet Gynecol 116:905-10, 1 Aug 73
ANALYSIS OF VARIANCE/ FEMALE/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, metabolism

3632. **Soupart P, Morgenstern LL:** Human sperm capacitation and in vitro fertilization. Fertil Steril 24:462-78, Jun 73
CELL DIVISION/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CULTURE MEDIA/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HISTOLOGICAL TECHNICS/ HUMAN/ IN VITRO/ MALE/ MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ OVULATION, drug effects/ OVUM, cytology/ OVUM, growth & development/ PREOPERATIVE CARE/ *SPERM CAPACITATION

3633. **Southard JH, Nitisewojo P:** Loss of oxidative phosphorylation in mitochondria isolated from kidneys of mercury poisoned rats.
Biochem Biophys Res Commun 52:921-7, 8 Jun 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ KIDNEY, cytology/ KIDNEY, metabolism/ MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MERCURY, administration & dosage/ MERCURY, metabolism/ *MERCURY POISONING, metabolism/ *MITOCHONDRIA, metabolism/ *OXIDATIVE PHOSPHORYLATION, drug effects/ PHOSPHORUS ISOTOPES/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ UNCOUPLING AGENTS, poisoning

3634. **Spanos WJ:** Preoperative hormonal therapy of cystic adnexal masses.
Am J Obstet Gynecol 116:551-6, 15 Jun 73
*ADNEXAL DISEASES, drug therapy/ ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, therapeutic use/ *CYSTS, drug therapy/ DIAGNOSIS, DIFFERENTIAL/ ENDOMETRIOSIS, diagnosis/ ESTROGENS, administration & dosage/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN CYSTS, diagnosis/ *OVARIAN CYSTS, drug therapy/ OVARIAN NEOPLASMS, diagnosis/ *PROGESTATIONAL HORMONES, therapeutic use/ TIME FACTORS

3635. **Spear BB, Gall JG:** Independent control of ribosomal gene replication in polytene chromosomes of Drosophila melanogaster.
Proc Natl Acad Sci USA 70:1359-63, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEOLUS/ CENTRIFUGATION, DENSITY GRADIENT/ CESIUM/ CHLORIDES/ DIPLOIDY/ *DNA/ DNA, isolation & purification/ DNA REPLICATION/ DROSOPHILA MELANOGASTER/ *GENES/ HETEROCHROMATIN/ MICROCOCCUS/ NUCLEIC ACID DENATURATION/ NU ACID HYBRIDIZATION/ RIBONUCLEA metabolism/ *RNA, RIBOSOMAL/ RNA RIBOSOMAL, isolation & purification/ CHROMOSOMES/ THYMIDINE, metabo TRITIUM/ URIDINE, metabolism

3636. **Spector AR, Glimcher MJ:** The identifi O-phosphoserine in the soluble anionic phosphoproteins of bone.
Biochim Biophys Acta 303:360-2, 20 Ap
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ *B AND BONES, analysis/ CATTLE/ CHI ELECTROPHORESIS, PAPER/ FEMAL FETUS/ *ORGANOPHOSPHORUS COMPOUNDS, analysis/ *PHOSPHOPR analysis/ PREGNANCY/ *SERINE, ana

3637. **Spector NH:** Neuron specificity and ethan does alcohol act in the brain.
Ann NY Acad Sci 215:60-70, 30 Apr
ALCOHOL, ETHYL, administration & ALCOHOL, ETHYL, blood/ *ALCOHO ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATU REGULATION, drug effects/ *BRAIN effects/ BRAIN, physiology/ CARDIOVASCULAR SYSTEM, drug e CATS/ CEREBRAL CORTEX, drug e DOGS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, drug effects/ NEU CONDUCTION, drug effects/ *NEUR effects/ ORGAN SPECIFICITY/ THA drug effects

3638. **Spellacy WN:** Human placental lactogen pregnancy.
Clin Obstet Gynecol 16:298-312, Mar 7
ABORTION, THREATENED, blood/ ABORTION, THREATENED, diagnosi ANEMIA, blood/ BLOOD GROUP INCOMPATIBILITY, diagnosis/ FEMA FETAL DISEASES, blood/ FETUS/ DISORDERS, blood/ HUMAN/ ORGA WEIGHT/ PLACENTA, physiology/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNAN COMPLICATIONS, HEMATOLOGIC, PREGNANCY IN DIABETES, blood/ PREGNANCY, PROLONGED/ PREGN TOXEMIAS, complications/ RADIOIMMUNOASSAY/ REVIEW/ R FACTORS/ TIME FACTORS

3639. **Spence HM, Allen TD:** Genital reconstru female with the adrenogenital syndr
Br J Urol 45:126-30, Apr 73
*ADRENOGENITAL SYNDROME, su ADULT/ CLITORIS, surgery/ CYST FEMALE/ *GENITALIA, FEMALE, HUMAN/ INFANT/ METHODS/ UR VAGINA, surgery

3640. **Spence MA, Francke U, Forsythe AB:** Evid the peripheral location of the Y chr human metaphase cells.
Cytogenet Cell Genet 12:49-52, 1973
*CELL DIVISION/ *CHROMOSOME ABNORMALITIES/ HUMAN/ KARY LYMPHOCYTES/ MALE/ MICROSC FLUORESCENCE/ *SEX CHROMOS

3641. **Spencer J, Gray J, Dalhouse A:** Social is gerbil: its effect on exploratory or agoni and adrenocortical activity.
Physiol Behav 10:231-7, Feb 73
ADRENAL GLANDS, anatomy & h *ADRENAL GLANDS, physiology/ *AGGRESSION/ ANIMAL EXPERI BODY WEIGHT/ CORTICOSTERON EMOTIONS/ ESTRUS/ *EXPLORAT BEHAVIOR/ FEMALE/ *GERBILS/ ORGAN WEIGHT/ SEX FACTORS BEHAVIOR/ *SOCIAL ISOLATION SMEARS

Spielman WS, Davis JO, Gotshall RW: Hypersecretion of renin in dogs with a chronic aortic-caval fistula and high-output heart failure.
Proc Soc Exp Biol Med 143:479-82, Jun 73
ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL/ *AORTIC DISEASES, physiopathology/ *ARTERIOVENOUS FISTULA, physiopathology/ ASCITES, etiology/ BLOOD PRESSURE/ CARDIAC OUTPUT/ CHRONIC DISEASE/ DOGS/ EDEMA, etiology/ FEMALE/ HEART ATRIUM, physiopathology/ *HEART FAILURE, CONGESTIVE, physiopathology/ KIDNEY, blood supply/ *KIDNEY, secretion/ REGIONAL BLOOD FLOW/ *RENIN, secretion/ SODIUM, metabolism/ *VENA CAVA, INFERIOR

Spiro MJ: Subunit heterogeneity of thyroglobulin.
J Biol Chem 248:4446-60, 25 Jun 73
ALKYLATION/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GUINEA PIGS/ HUMAN/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ NITROBENZENES/ OXIDATION-REDUCTION/ RABBITS, immunology/ RATS/ SHEEP/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY/ SWINE/ *THYROGLOBULIN/ THYROGLOBULIN, analysis/ THYROGLOBULIN, isolation & purification/ THYROID GLAND, analysis

Spona J: Rapid timing of imminent ovulation in sterility patients. Endocrinol Exp (Bratisl) 7:125-8, 1973
ADULT/ FEMALE/ HUMAN/ *LH, blood/ MALE/ *OVULATION/ RADIOIMMUNOASSAY/ *STERILITY, FEMALE, drug therapy/ TIME FACTORS

Spona J, Luger O: In vitro stimulation of LH release by LH-RH in female rat pituitaries of different ages.
FEBS Lett 32:52-4, 15 May 73
AGING/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ IN VITRO/ *LH, secretion/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, growth & development/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

Spona J, Luger O: In vitro responsiveness of male rat pituitaries of different ages to LH-releasing hormone (LH-RH). FEBS Lett 32:49-51, 15 May 73
AGING/ ANIMAL EXPERIMENTS/ IN VITRO/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, growth & development/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

Spona J, Schneider W, Matt K: Auswirkungen eines Antikonzeptivums auf die periphere und zentrale Zyklusfunktion.
Med Klin 68:505-9, 20 Apr 73 (Ger)
ADULT/ BODY TEMPERATURE/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ KARYOMETRY/ LH, blood/ *MENSTRUATION, drug effects/ *NORGESTREL, pharmacodynamics/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ VAGINAL SMEARS

Sporaitz UM, Frick A: Effects of saline infusions on calcium concentration in plasma ultrafiltrate and on the ultrastructure of the parathyroid glands of the rat.
Pfluegers Arch 340:161-74, 18 May 73
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CYTOPLASMIC GRANULES, analysis/ FEMALE/ GOLGI APPARATUS, analysis/ INJECTIONS, INTRAVENOUS/ *PARATHYROID GLANDS, drug effects/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, secretion/ RATS/ SODIUM CHLORIDE, administration & dosage/ *SODIUM CHLORIDE, pharmacodynamics/ ULTRAFILTRATION

3649. Spranger J: Hereditäre Systemerkrankungen des Skelets. Radiologe 13:141-6, Apr 73 (Ger)
ACHONDROPLASIA, radiography/ ACROCEPHALOSYNDACTYLIA, radiography/ ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ BONE AND BONES, abnormalities/ *BONE DISEASES, DEVELOPMENTAL, radiography/ BONE RESORPTION, radiography/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, radiography/ *DYSCHONDROPLASIA, radiography/ EPIPHYSES, abnormalities/ EXOSTOSES, radiography/ FEMALE/ FEMUR, abnormalities/ HUMAN/ INFANT/ INFANT, NEWBORN/ OSSIFICATION, PATHOLOGIC, radiography/ OSTEOGENESIS IMPERFECTA, radiography/ OSTEOPOROSIS, radiography/ OSTEOSCLEROSIS, familial & genetic/ SKULL, abnormalities/ TIBIA, abnormalities

3650. Spranger J: Neue Erkenntnisse auf dem Gebiet der Mucopolysaccharidosen.
Monatsschr Kinderheilkd 121:181-3, May 73 (15 ref.) (Ger)
BONE AND BONES, abnormalities/ CARBOHYDRATE METABOLISM, INBORN ERRORS, classification/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, diagnosis/ CHILD/ ECCENTRO-OSTEOCHONDRODYSPLASIA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FIBROBLASTS, metabolism/ GLYCOLIPIDS, metabolism/ HUMAN/ HYPERTRICHOSIS, enzymology/ JOINT DISEASES, enzymology/ LIPOCHONDRODYSTROPHY, enzymology/ LIPOCHONDRODYSTROPHY, familial & genetic/ MENTAL RETARDATION, enzymology/ MENTAL RETARDATION, metabolism/ MUCOPOLYSACCHARIDES, biosynthesis/ *MUCOPOLYSACCHARIDES, metabolism/ RETINITIS PIGMENTOSA, enzymology/ RETINITIS PIGMENTOSA, metabolism/ REVIEW/ SYNDROME

3651. Sprung E: When Johnny doesn't grow.
Nurs Care 6:27-9, Jul 73
CHILD PSYCHOLOGY/ DWARFISM, PITUITARY, drug therapy/ SOMATOTROPIN, therapeutic use/ SPECIAL LIST NURSING

3652. Srám RJ, Zudová Z: Effect of the dose-fractionation on the frequency of chromosome aberrations induced in mice by TEPA. Folia Biol (Praha) 19:58-67, 1973
ANIMAL EXPERIMENTS/ *AZIRINES, administration & dosage/ AZIRINES, pharmacodynamics/ *CHEMOSTERILANTS, administration & dosage/ CHEMOSTERILANTS, pharmacodynamics/ *CHROMOSOME ABERRATIONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GERM CELLS, drug effects/ MALE/ MICE/ SEX CHROMOSOMES, drug effects/ SPERMATOGENESIS, drug effects/ TEPA, administration & dosage/ TEPA, pharmacodynamics

3653. Srebro Z, Szirmai E: Die Periventrikulären Gliazellen und das neurosekretorische System der mit einer Chinin-Lithium-Salicylat-Kombination behandelten Ratten. Acta Med Okayama 26:89-97, Aug 72 (Ger)
ANIMAL EXPERIMENTS/ BASOPHILS/ BRAIN, cytology/ *BRAIN, drug effects/ CEREBRAL VENTRICLES/ COLLOIDS/ DRUG COMBINATIONS/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ LITHIUM, adverse effects/ *LITHIUM, pharmacodynamics/ NEUROGLIA, cytology/ *NEUROGLIA, drug effects/ NEUROSECRETORY SYSTEMS, cytology/ *NEUROSECRETORY SYSTEMS, drug effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ QUININE, adverse effects/ *QUININE, pharmacodynamics/ RATS/ SALICYLATES, adverse effects/ *SALICYLATES, pharmacodynamics

3654. **Srivastava MC, Tewari JP, Kant V:** Anti-inflammatory activity of an indigenous plant--Paederia foetida (Gandhali). Indian J Med Sci 27:231-4, Mar 73
ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS/ ASPIRIN, therapeutic use/ COMPARATIVE STUDY/ CROTON OIL/ FEMALE/ FORMALDEHYDE/ HYDROCORTISONE, therapeutic use/ INFLAMMATION, chemically induced/ INFLAMMATION, drug therapy/ MALE/ PLANT EXTRACTS, therapeutic use/ *PLANTS, MEDICINAL/ RATS

3655. **Stachura ME, Frohman LA:** Large growth hormone: evidence for the association of growth hormone with another protein moiety in the rat pituitary. Endocrinology 92:1708-13, Jun 73
ALANINE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ GUANIDINES/ IN VITRO/ LEUCINE, metabolism/ LYSINE, metabolism/ MALE/ *PITUITARY GLAND, metabolism/ PRECIPITATION/ RATS/ SERINE, metabolism/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, biosynthesis/ TRITIUM

3656. **Städtler F, Horn HJ:** Veränderungen an menschlichen Hoden wädrend einer Antiandrogen-Behandlung. Histologische, morphologische und enzymhistochemische Untersuchungen an Hodenbiopsien.
Dtsch Med Wochenschr 98:1013-9, 18 May 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, administration & dosage/ CYPROTERONE, adverse effects/ CYPROTERONE, pharmacodynamics/ CYPROTERONE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EJACULATORY DUCTS, drug effects/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ LEYDIG CELLS, drug effects/ MALE/ MIDDLE AGE/ *PREGNADIENES, pharmacodynamics/ SEMINAL VESICLES, drug effects/ SEX DEVIATION, drug therapy/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, enzymology

3657. **Stafford TM, Palmer CG, Clerary RE:** Gonadal dygenesis with isochromosome X and menstruation. Am J Obstet Gynecol 116:886, 15 Jul 73
ADULT/ AMENORRHEA, etiology/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ KARYOTYPING/ *MENSTRUATION/ *SEX CHROMOSOMES/ *TURNER'S SYNDROME

3658. **Stallworthy J:** The climacteric.
Proc R Soc Med 66:185-6, Feb 73
*CLIMACTERIC/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ HYSTERECTOMY/ MENOPAUSE/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, prevention & control

3659. **Stamp TC, Round JM:** Serum alkaline phosphatase and rickets. Br Med J 2:551, 2 Jun 73
ADOLESCENCE/ *ALKALINE PHOSPHATASE, blood/ BODY HEIGHT/ HUMAN/ HYDROXYCHOLECALCIFEROL, blood/ MALE/ PUBERTY/ RICKETS, blood/ *RICKETS, enzymology/ VITAMIN D, metabolism

3660. **Stanbury JB:** The clinical pattern of cretinism as seen in highland Ecuador. Adv Exp Med Biol 30:3-17, 1972
BODY HEIGHT/ CHOLESTEROL, blood/ CRETINISM, diagnosis/ CRETINISM, drug therapy/ CRETINISM, familial & genetic/ CRETINISM, metabolism/ *CRETINISM, occurrence/ CRETINISM, radiography/ DEAF-MUTISM, etiology/ ECUADOR/ ELECTROCARDIOGRAPHY/ FEMALE/ GOITER, ENDEMIC, complications/ GOITER, NODULAR, complications/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ MALE/ NEUROLOGIC MANIFESTATIONS/ SEX CHARACTERISTICS/ SOMATOTROPIN, analysis/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therap use

3661. **Stancel GM, Leung KM, Gorski J:** Estrogen re the rat uterus. Relationship between cytopl nuclear forms of the estrogen binding Biochemistry 12:2137-41, 22 May 73
ANIMAL EXPERIMENTS/ *CELL NUC CELL NUCLEUS, drug effects/ CENTRIFUGATION, DENSITY GRADI *CYTOPLASM/ CYTOPLASM, drug ef EDTA, pharmacodynamics/ *ESTRADIO ESTROGENS/ FEMALE/ OSMOLAR CONCENTRATION/ OXIDATION-REDU POTASSIUM CHLORIDE, administrati dosage/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN BINDIN PROTEINS, pharmacodynamics/ RATS *RECEPTORS, HORMONE/ TRITIUM/ TROMETHAMINE, pharmacodynamics/ ULTRACENTRIFUGATION/ UREA, pharmacodynamics/ *UTERUS/ UTER cytology/ UTERUS, drug effects

3662. **Stancel GM, Leung KM, Gorski J:** Estrogen r the rat uterus. Multiple forms produ concentration-dependent aggregation. Biochemistry 12:2130-6, 22 May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DEN GRADIENT/ *CYTOSOL/ CYTOSOL, effects/ EDTA/ *ESTRADIOL/ ESTR FEMALE/ GAMMA GLOBULIN/ METHYLATION/ OSMOLAR CONCENTRATION/ OVALBUMIN/ P CHLORIDE, administration & dosage POTASSIUM CHLORIDE, pharmacod PROTEINS/ RATS/ *RECEPTORS, E RECEPTORS, HORMONE, drug effe TRITIUM/ TROMETHAMINE/ ULTRACENTRIFUGATION/ *UTERU UTERUS, cytology/ UTERUS, drug

3663. **Stanitski CL, Mooney V:** Osseous att vitreous carbons. J Biomed Mater Res 7
ANIMAL EXPERIMENTS/ ARTIFICI LIMBS/ BIOMECHANICS/ BONE AI cytology/ *BONE AND BONES, met *BONE REGENERATION/ *CARBON FEMUR, cytology/ FEMUR, metabol FEMUR, surgery/ FOREIGN BODY REACTION/ GRANULATION TISSU HUMERUS, cytology/ HUMERUS, n HUMERUS, surgery/ METHYLMETHACRYLATE/ MICRO ELECTRON, SCANNING/ PROSTHE STAINS AND STAINING/ STRESS, MECHANICAL/ TISSUE ADHESIVE

3664. **Stankler L, Bewsher PD:** Chronic m candidiasis and alopecia areata. Br J Dermatol 88:204, Feb 73
*ALOPECIA AREATA, complicatio EYEBROWS, pathology/ HUMAN/ HYPOPARATHYROIDISM, complica *MONILIASIS, CUTANEOUS, comp

3665. **Stankovski M, Mukarov Lj, Kalamar** Ekskrecija na urinarniot L.H. pri otsutnata ovarijalna funkcija. God Zb Med Fak Skopje 18:195-20 ADULT/ ENGLISH ABSTRACT/ F HUMAN/ HYPOTHALAMO-HYPOP SYSTEM, physiology/ HYSTEREC urine/ MIDDLE AGE/ *OVARY, P OVARY, surgery

3666. **Stanoeva L, Konstantinov D:** A cas multinodular mastocytosis. Br J Dermatol 88:509-11, May 73
ADRENAL CORTEX HORMONES, use/ BLISTER/ FEMALE/ HUMA LIVER, pathology/ *MAST CELLS RESERPINE, therapeutic use/ *U PIGMENTOSA, diagnosis/ URTIC PIGMENTOSA, drug therapy/ UR PIGMENTOSA, pathology

3667. **Stanton HC, Mueller RL:** Metabolic re and catecholamines as a function of ag

LIBRARY U. OF

iomesticus).
Comp Biochem Physiol [A] 45:215-25, 1 May 73
ADRENAL GLANDS, metabolism/ AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ CHLORISONDAMINE, pharmacodynamics/ *COLD/ *EPINEPHRINE, pharmacodynamics/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ FLUORESCENCE SPECTROMETRY/ GLYCERIN, blood/ GLYCOGEN, metabolism/ LIVER, metabolism/ *METABOLISM/ METABOLISM, drug effects/ MUSCLES, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ NOREPINEPHRINE, urine/ PROPRANOLOL, pharmacodynamics/ *SWINE

arer-Mendes H: Mesure de l'adsorption des ions K + t Na + sur les enzymes pyruvate kinase et créatine inase par méthode conductivimétrique. Relation ntre l'adsorption des ions et l'activité enzymatique.
rch Sci Physiol (Paris) 26:339-48, 1972 (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ *CREATINE KINASE, metabolism/ FEMALE/ IN VITRO/ IONS/ KIDNEY, enzymology/ MUSCLES, enzymology/ OVARY, enzymology/ *POTASSIUM, metabolism/ *PYRUVATE KINASE, metabolism/ RABBITS/ RATS/ *SODIUM, metabolism

arke K, Montel H: Sympathomimetic inhibition of oradrenaline release: mediated by prostaglandins? aunyn Schmiedebergs Arch Pharmacol 278:111-6, 17 ay 73
ANIMAL EXPERIMENTS/ FEEDBACK/ HEART, drug effects/ INDOMETHACIN, pharmacodynamics/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, secretion/ OXYMETAZOLINE, pharmacodynamics/ PERFUSION/ PHENTOLAMINE, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RABBITS/ SYMPATHETIC NERVOUS SYSTEM, drug effects

arkova NT, Butrova SA: O metabolizme testosterona bol'nykh gipogoadizmom.
robl Endokrinol (Mosk) 19:37-40, Mar-Apr 73 (Rus)
ADULT/ ANDROSTERONE, urine/ CHROMATOGRAPHY, PAPER/ CRYPTORCHISM, metabolism/ ENGLISH ABSTRACT/ ETIOCHOLANOLONE, urine/ GLUCURONATES, urine/ HUMAN/ *HYPOGONADISM, metabolism/ KLINEFELTER'S SYNDROME, metabolism/ MALE/ SULFATES, urine/ *TESTOSTERONE, metabolism/ TRITIUM

arup J, Sele V, Philip J: Some surgical aspects in male ermaphroditism.
cta Chir Scand [Suppl] 433:132-6, 1973
ADOLESCENCE/ ADULT/ BIOPSY/ CASTRATION/ CHROMOSOME MAPPING/ GONADS, pathology/ *HERMAPHRODITISM/ HERMAPHRODITISM, familial & genetic/ HUMAN/ *INGUINAL HERNIA/ INGUINAL HERNIA, familial & genetic/ INGUINAL HERNIA, surgery/ KARYOTYPING/ MALE/ PHENOTYPE/ SEX CHROMATIN/ SEX DETERMINATION/ SYNDROME/ TESTICULAR FEMINIZATION/ TURNER'S SYNDROME

aszewska-Barczak J: On the reflex adrenergic esponse in the early stages of the experimental yocardial infarction.
cta Physiol Pol 24:139-47, Jan-Feb 73
ACUTE DISEASE/ ADRENAL MEDULLA, secretion/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, secretion/ DOGS/ FEMALE/ HEART, drug effects/ HEART, innervation/ MALE/ *MYOCARDIAL INFARCT, physiopathology/ PRESSORECEPTORS/ *REFLEX/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS/ VAGOTOMY/ VAGUS NERVE, physiology

ebbings H, Willison JH: Structure of microtubules: a tudy of freeze-etched and negatively stained icrotubules from the ovaries of Notonecta.
Z Zellforsch Mikrosk Anat 138:387-96, 17 Apr 73
FEMALE/ FREEZE ETCHING/ *INSECTS, anatomy & histology/ *MICROTUBULES/ *OVARY, cytology/ STAINS AND STAINING

3674. Stebbins R, Scott J, Herbert V: Drug-induced megaloblastic anemias.
Semin Hematol 10:235-51, Jul 73 (147 ref.)
ALCOHOL, ETHYL, adverse effects/ *ANEMIA, MACROCYTIC, chemically induced/ ANTICONVULSANTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ *DNA, biosynthesis/ DRUG THERAPY, adverse effects/ ERYTHROCYTES, drug effects/ FOLIC ACID, metabolism/ FOLIC ACID ANTAGONISTS/ FOLIC ACID ANTAGONISTS, therapeutic use/ FOLIC ACID DEFICIENCY, chemically induced/ HUMAN/ NUCLEOTIDYLTRANSFERASES, antagonists & inhibitors/ PURINES, metabolism/ PYRIMIDINES, metabolism/ REVIEW/ VITAMIN B 12, metabolism/ VITAMIN B 12 DEFICIENCY, chemically induced

3675. Steendijk R, Boyde A: Scanning electron microscopic observations on bone from patients with hypophosphataemic (vitamin D resistant) rickets.
Calcif Tissue Res 11:242-50, 12 Mar 73
ADOLESCENCE/ *BONE AND BONES, pathology/ CHILD/ COLLAGEN/ FEMALE/ HUMAN/ HYPOPHOSPHATEMIA, FAMILIAL, complications/ HYPOPHOSPHATEMIA, FAMILIAL, pathology/ MALE/ MICRORADIOGRAPHY/ MICROSCOPY/ MICROSCOPY, ELECTRON, SCANNING/ OSTEOCYTES/ *RICKETS, VITAMIN D RESISTANT, pathology/ SODIUM HYPOCHLORITE/ VITAMIN D, metabolism

3676. Steer ML, Levitzki A: The metal specificity of mammalian -amylase as revealed by enzyme activity and structural probes. FEBS Lett 31:89-92, 1 Apr 73
*AMYLASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CATIONS, DIVALENT/ DIALYSIS/ IN VITRO/ MERCURY/ NITROBENZENES/ PANCREAS, enzymology/ PROTEIN CONFORMATION/ STRONTIUM, metabolism/ SULFONIC ACIDS, metabolism/ SWINE

3677. Stefanović V, Koraćević D, Ivić M: Thyroidal K + -activated p-nitrophenylphosphatase activity.
Life Sci [II] 11:1117-22, 22 Nov 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, enzymology/ CHLOROMERCURIBENZOATES, pharmacodynamics/ DEPRESSION, CHEMICAL/ IN VITRO/ MAGNESIUM, pharmacodynamics/ NITROBENZENES/ OUABAIN, pharmacodynamics/ PHOSPHATASES, antagonists & inhibitors/ *PHOSPHATASES, metabolism/ POTASSIUM, pharmacodynamics/ SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ THYROTROPIN, pharmacodynamics

3678. Steger G:
Berenschneider--Nonnenmacher--Pagenstecher Mittelalterliche Kastrierer als Vorläufer des Tierarztes.
Wien Tieraerztl Monatsschr 60:143-6, Apr 73 (Ger)
CASTRATION, history/ *CASTRATION, veterinary/ ENGLISH ABSTRACT/ GERMANY/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, MEDIEVAL/ LINGUISTICS/ *VETERINARY MEDICINE, history

3679. Steigleder GK: Rosacea.
Dtsch Med Wochenschr 98:1350-1, 6 Jul 73 (Ger)
ADRENAL CORTEX HORMONES, administration & dosage/ HUMAN/ ROSACEA/ ROSACEA, drug therapy/ ROSACEA, etiology/ TETRACYCLINE, administration & dosage

3680. Stein JH, Ferris TF: The physiology of renin.
Arch Intern Med 131:860-72, Jun 73 (158 ref.)
ALDOSTERONE, physiology/ ANGIOTENSIN,

physiology/ EDEMA, blood/ EXTRACELLULAR SPACE/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERTENSION, blood/ HYPOTENSION, physiopathology/ JUXTAGLOMERULAR APPARATUS, blood supply/ *KIDNEY, physiology/ KIDNEY DISEASES, blood/ KIDNEY FAILURE, CHRONIC, physiopathology/ NATRIURESIS/ POTASSIUM, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PRESSORECEPTORS, physiology/ REGIONAL BLOOD FLOW/ RENAL ARTERY OBSTRUCTION, blood/ RENAL ARTERY OBSTRUCTION, physiopathology/ RENIN, blood/ *RENIN, physiology/ REVIEW/ VASOPRESSIN, blood

3681. **Stein WW:** Möglichkeiten der Ultraschalldiagnostik in der Schwangerschaft.
Z Allgemeinmed 49:499-508, 20 Apr 73 (Ger)
ABNORMALITIES, diagnosis/ FEMALE/ FETUS/ HUMAN/ PLACENTA DISORDERS, diagnosis/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY, ECTOPIC, diagnosis/ PREGNANCY, MULTIPLE/ *ULTRASONICS, diagnostic use

3682. **Steinbicker V, Braun HS, Hemke G, et al:** Indikation zur chromosomenanalyse aus kinderärztlicher Sicht.
Kinderaerztl Prax 41:91-8, Feb 73 (Ger)
AUTOSOME ABNORMALITIES, diagnosis/ CHILD/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ CRYING CAT SYNDROME, diagnosis/ FEMALE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, diagnosis/ MALE/ MONGOLISM, diagnosis/ MOSAICISM/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ TURNER'S SYNDROME, diagnosis

3683. **Steiner AL, Wehmann RE, Parker CW, et al:** Radioimmunoassay for the measurement of cyclic nucleotides. Adv Cyclic Nucleotide Res 2:51-61, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CYCLIC P-OXIDES, chem synthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE ISOTOPES/ METHODS/ ORGAN SPECIFICITY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ RIBONUCLEOTIDES, chem synthesis/ SERUM ALBUMIN/ SUCCINATES/ SUCCINATES, chem synthesis/ URACIL NUCLEOTIDES

3684. **Steinfeld CM, Moertel CG, Woolner LB:** Diarrhea and medullary carcinoma of the thyroid.
Cancer 31:1237-9, May 73
AGED/ *CARCINOMA, complications/ *DIARRHEA, etiology/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ MALE/ NEOPLASM METASTASIS/ RETROSPECTIVE STUDIES/ SPRUE, etiology/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, urine

3685. **Steinhäuser J, Abele H, Schettler G:** Anatomisch-morphologische Studien zur sogenannten Minusvariante der Elle am Handgelenk.
Z Orthop 111:36-40, Feb 73 (Ger)
CARTILAGE, ARTICULAR, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *OSTEOCHONDRITIS, pathology/ *OSTEOMALACIA, pathology/ *SEMILUNAR BONE/ SPRAINS AND STRAINS, pathology/ *ULNA, abnormalities/ ULNA, pathology/ VASCULAR DISEASES, pathology/ W radiography/ *WRIST INJURIES, path

3686. **Stella FJ, Massry SG, Kleeman CR:** Medulla kidney associated with parathyroid ad report of two cases. Nephron 10:332-
ADULT/ CALCIUM, blood/ CALCIUM FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complica HYPERPARATHYROIDISM, surgery/ CALCULI, complications/ *KIDNEY, complications/ MALE/ MIDDLE AGE NEPHROCALCINOSIS, complications/ UROGRAPHY

3687. **Stepanova GA, Pal'chun VT:** Antiteloobra sposobnost' polipov nosa (in vitro.
Vestn Otorinolaringol 35:88-92, Mar-Ap
*ANTIBODIES, NEOPLASM, biosynth *ANTIBODY FORMATION/ ANTIBOI FORMATION, drug effects/ COMPOU pharmacodynamics/ ENGLISH ABSTI HUMAN/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ *NA POLYPS, immunology/ RESERPINE, pharmacodynamics

3688. **Stephens RL, Hansen HH, Muggia FM:** Hy in epidermoid tumors of the head an esophagus. Cancer 31:1487-91, Jun 73
AUTOPSY/ BIOPSY/ BONE MARRO NEOPLASMS/ BONE NEOPLASMS, BONE NEOPLASMS, radiography/ *CARCINOMA, EPIDERMOID, compl *ESOPHAGEAL NEOPLASMS, comp FEMALE/ *HEAD/ HUMAN/ *HYPERCALCEMIA, etiology/ MAL NEOPLASMS, complications/ NEOPI METASTASIS

3689. **Stěrbová J, Hradil M:** Výpočet ztrát užitk v důsledku onemocnění vlny masti
Vet Med (Praha) 18:181-93, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL CATTLE/ DAIRY PRODUCTS/ DA ECONOMICS/ ENGLISH ABSTRAC FEMALE/ LACTATION/ MASTITIS MEAT/ *MILK/ UDDER

3690. **Sterescu-Volanschi M, Tăn HG, Pascalov et al:** Decrease of acquisition and retent avoidance behaviour in adult rats fol neonatal hydrocortisone administrati
Rev Roum Physiol 10:251-9, 1973
AGE FACTORS/ ANIMAL EXPER ANIMALS, NEWBORN/ AVOIDANC LEARNING, drug effects/ *BEHAV ANIMAL, drug effects/ FEMALE/ *HYDROCORTISONE, pharmacodyn LEARNING/ LIGHT/ MALE/ MEM SHORT-TERM/ RATS/ TIME FAC

3691. **Sterling K:** Thyroid function tests.
Adv Intern Med 18:345-62, 1972 (1
BASAL METABOLISM/ CHOLEST HUMAN/ IODINE, blood/ IODINE metabolism/ IODINE ISOTOPES, I IODOTYROSINE, blood/ PROTEIN IODINE TEST/ RADIOIMMUNOAS RADIOISOTOPE SCANNING/ REF REVIEW/ THYROID GLAND, me THYROID GLAND, physiopatholog *THYROID GLAND FUNCTION T THYROTROPIN, blood/ THYROTI RELEASING FACTOR, diagnostic THYROXINE, blood/ TRIIODOTH blood

3692. **Stern C:** Idiopathic hypoglycaemia.
Proc R Soc Med 66:345-6, Apr 7
BLOOD SUGAR, analysis/ CHILD PRESCHOOL/ DIAZOXIDE, thera ELECTROENCEPHALOGRAPHY/ GLUCAGON, therapeutic use/ GI metabolism/ GROWTH/ HUMAN/ HYDROCORTISONE, therapeutic *HYPOGLYCEMIA/ HYPOGLYCE therapy/ INFANT/ INFANT, NE INSULIN, blood/ PANCREATEC SPLENECTOMY

LIBRARY U. OF

n MP, Kolterman OG, Fries JF, et al: drenocortical steroid treatment of rheumatic seases. Effects on lipid metabolism. ch Intern Med 132:97-101, Jul 73
ADOLESCENCE/ ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ CARBOHYDRATES, metabolism/ CHOLESTEROL, blood/ CHYLOMICRONS, analysis/ FEMALE/ GLUCOSE, diagnostic use/ GLUCOSE TOLERANCE TEST/ GLYCERIN, metabolism/ HEPARIN, pharmacodynamics/ HUMAN/ INSULIN, blood/ *LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RHEUMATISM, blood/ *RHEUMATISM, drug therapy/ TRIGLYCERIDES, blood/ TRITIUM

n RB, Murray-Lyon IM, Williams R: Controlled al of corticosteroids and azathioprine in active onic hepatitis. Gut 14:419, May 73
AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ESOPHAGEAL VARICES, chemically nduced/ GAMMA GLOBULIN/ *HEPATITIS, rug therapy/ HUMAN/ PREDNISONE, dverse effects/ *PREDNISONE, therapeutic se/ PROGNOSIS

n SF, Shuman A: The effect of locally administered ticosteroids (soluble and insoluble) on the healing es of surgically induced wounds in guinea pigs. Am Podiatry Assoc 63:374-82, Aug 73
NIMAL EXPERIMENTS/ COMPARATIVE TUDY/ DEXAMETHASONE, administration & osage/ *DEXAMETHASONE, harmacodynamics/ GUINEA PIGS/ MALE/ OLUBILITY/ THIGH, injuries/ THORAX, njuries/ TIME FACTORS/ TRIAMCINOLONE, dministration & dosage/ *TRIAMCINOLONE, harmacodynamics/ *WOUND HEALING, drug ffects

berg J: Radiation risk in pregnancy. Obstet Gynecol 16:235-78, Mar 73 (23 ref.)
BNORMALITIES, etiology/ ANIMAL XPERIMENTS/ BACKGROUND RADIATION/ LOOD CELLS, radiation effects/ HROMATIDS, radiation effects/ HROMOSOME ABNORMALITIES, etiology/ OBALT ISOTOPES/ DNA, radiation effects/ NVIRONMENTAL EXPOSURE/ FEMALE/ ETUS, radiation effects/ GESTATIONAL GE/ GONADS, radiation effects/ HUMAN/ ARYOTYPING/ MATERNAL-FETAL XCHANGE, radiation effects/ MICE/ ANCREAS, radiation effects/ PLACENTA, adiation effects/ PREGNANCY/ PREGNANCY, radiation effects/ RADIATION OSAGE/ *RADIATION EFFECTS/ ADIOGRAPHY, adverse effects/ ADIOISOTOPE SCANNING/ REVIEW/ HYROID GLAND, radiation effects/ TIME ACTORS/ UTERUS, radiation effects

berg JL: Testosterone in high dosage for the tment of impotence: effect on serum FSH when bined with chorionic gonadotropin: case report. m Geriatr Soc 21:271-4, Jun 73
ASE REPORT/ DOSE-RESPONSE ELATIONSHIP, DRUG/ DRUG SYNERGISM/ 'SH, blood/ GONADOTROPINS, CHORIONIC, dministration & dosage/ *GONADOTROPINS, HORIONIC, therapeutic use/ HUMAN/ MPOTENCE, drug therapy/ LH, blood/ ALE/ MIDDLE AGE/ PITUITARY-ADRENAL UNCTION TESTS/ RADIOIMMUNOASSAY/ ESTOSTERONE, administration & dosage/ ESTOSTERONE, blood/ *TESTOSTERONE, erapeutic use/ THYROID GLAND UNCTION TESTS

es DJ: Vascular hemostasis: a review. J Med Technol 39:252-7, Jun 73 (50 ref.)
DENOSINE DIPHOSPHATE, physiology/ RACHNODACTYLY, blood/ *BLOOD OAGULATION/ BLOOD COAGULATION ISORDERS, blood/ BLOOD COAGULATION ESTS/ BLOOD PLATELET DISORDERS, ood/ *BLOOD VESSELS, physiology/ ARBON DIOXIDE, blood/ CHEMORECEPTORS, physiology/ COLLAGEN, physiology/ EHLERS-DANLOS SYNDROME, blood/ HEMORRHAGE, blood/ *HEMOSTASIS/ HUMAN/ OXYGEN, blood/ PLATELET ADHESIVENESS/ PRESSORECEPTORS, physiology/ PURPURA, THROMBOPENIC, blood/ REVIEW/ SEROTONIN, physiology/ THROMBOCYTOSIS, blood/ THROMBOPENIA, blood/ *VASOMOTOR SYSTEM, physiology/ VON WILLEBRAND'S DISEASE, blood

3699. **Stevenson PM, Fernie A:** Thyrotropin--a lipolytic hormone? Eur J Biochem 35:318-25, Jun 73
ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL FRACTIONATION/ CHROMATOGRAPHY, ION EXCHANGE/ EVALUATION STUDIES/ GLYCERIN, metabolism/ GUINEA PIGS/ HUMAN/ IODINE ISOTOPES, metabolism/ LIPIDS, metabolism/ *LIPOTROPIC FACTORS, isolation & purification/ MICE/ PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ THYROID GLAND, metabolism/ THYROTROPIN, analysis/ *THYROTROPIN, isolation & purification/ THYROTROPIN, metabolism

3700. **Stevenson-Hinde J:** Effects of early experience and testosterone on song as a reinforcer. Anim Behav 20:430-5, Aug 72
ANIMAL EXPERIMENTS/ AUDITORY PERCEPTION/ *BIRDS, growth & development/ *CONDITIONING, OPERANT, drug effects/ ENVIRONMENT/ HOUSING, ANIMAL/ MALE/ MOTOR ACTIVITY/ PHENYLACETATES/ POSTURE/ *REINFORCEMENT (PSYCHOLOGY)/ SEASONS/ TAPE RECORDING/ *TESTOSTERONE, pharmacodynamics/ *VOCALIZATION, ANIMAL

3701. **Stewart-Bentley M, Horton R:** Leydig cell function in Klinefelter's syndrome. Metabolism 22:875-84, Jul 73
ADOLESCENCE/ ADULT/ CIRCADIAN RHYTHM/ DEXAMETHASONE, diagnostic use/ HUMAN/ KLINEFELTER'S SYNDROME, blood/ *KLINEFELTER'S SYNDROME, physiopathology/ *LEYDIG CELLS, physiopathology/ LH, blood/ MALE/ MIDDLE AGE/ TESTOSTERONE, blood

3702. **Stinnakre J, Tauc L:** Calcium influx in active Aplysia neurones detected by injected aequorin. Nature [New Biol] 242:113-5, 28 Mar 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ COBALT, pharmacodynamics/ COELENTERATA/ EVOKED POTENTIALS/ MOLLUSCA/ *NEURONS, metabolism/ NEURONS, physiology/ PHOTOCHEMISTRY/ *PROTEINS/ SEAWATER

3703. **Stoa KF, Skulstad PA:** Biliary and urinary metabolites of intravenously and intraduodenally administered 17 -oestradiol and oestriol. Steroids Lipids Res 3:299-314, 1972
AGED/ AMMONIUM COMPOUNDS/ *BILE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ DUODENUM/ ESTRADIOL, administration & dosage/ *ESTRADIOL, metabolism/ ESTRADIOL, urine/ ESTRIOL, administration & dosage/ *ESTRIOL, metabolism/ ESTRIOL, urine/ FEMALE/ GLUCURONATES, urine/ HUMAN/ HYDROLYSIS/ HYDROXIDES/ INJECTIONS, INTRAVENOUS/ INTUBATION, GASTROINTESTINAL/ TIME FACTORS/ TRITIUM

3704. **Stoelting RK:** Halothane and methoxyflurane concentrations in end-tidal gas, arterial blood, and lumbar cerebrospinal fluid. Anesthesiology 38:384-8, Apr 73
ADULT/ ANESTHESIA, INHALATION/ CHROMATOGRAPHY, GAS/ *HALOTHANE, analysis/ HALOTHANE, blood/ HALOTHANE, cerebrospinal fluid/ HUMAN/ HYPOPHYSECTOMY/ *METHOXYFLURANE, analysis/ METHOXYFLURANE, blood/

METHOXYFLURANE, cerebrospinal fluid/ SPIROMETRY/ TIME FACTORS

3705. **Stögmann W:** Stellen Sie die Diagnose: Pseudohypoparathyroidism.
Paediatr Paedol 8:304-6, 1973 (Ger)
CALCIUM, blood/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ METABOLISM, INBORN ERRORS, complications/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PSEUDOHYPOPARATHYROIDISM, blood/ *PSEUDOHYPOPARATHYROIDISM, diagnosis/ PSEUDOHYPOPARATHYROIDISM, etiology/ PSEUDOHYPOPARATHYROIDISM, familial & genetic

3706. **Stohr A:** Epiphyseolysis capitis femoris bei Knaben vor der Pubertät (Kasuistischer Beitrag.
Beitr Orthop Traumatol 20:146-50, Mar 73 (Ger)
CHILD/ *EPIPHYSES, SLIPPED, surgery/ *FEMUR HEAD/ HUMAN/ MALE/ OSTEOTOMY/ PUBERTY

3707. **Stokes PE:** Adrenocortical activation in alcoholics during chronic drinking.
Ann NY Acad Sci 215:77-83, 30 Apr 73
*ADRENAL GLANDS, physiopathology/ ADULT/ ALCOHOL DRINKING/ ALCOHOL, ETHYL, blood/ *ALCOHOLISM, physiopathology/ CHRONIC DISEASE/ DRUG TOLERANCE/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, physiopathology/ TIME FACTORS

3708. **Stolecke H:** Normal values of free urinary cortisol in infants and children. Horm Metab Res 5:64, Jan 73
AGE FACTORS/ BODY SURFACE AREA/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ EVALUATION STUDIES/ HUMAN/ *HYDROCORTISONE, urine/ INFANT/ TIME FACTORS

3709. **Stolwijk JA, Nadel ER:** Thermoregulation during positive and negative work exercise.
Fed Proc 32:1607-13, May 73
*BODY TEMPERATURE REGULATION/ *EXERTION/ HEAT/ HUMAN/ HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ SKIN TEMPERATURE/ *SWEATING

3710. **Stone GM, Pollard I:** The effect of actinomycin D on the binding of tritiated oestradiol by the vagina of the ovariectomized mouse. Aust J Biol Sci 26:201-8, Feb 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM, metabolism/ *DACTINOMYCIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ESTRADIOL, metabolism/ FEMALE/ HALF-LIFE/ IN VITRO/ INJECTIONS/ MICE/ *OVARY, physiology/ PROTEINS, biosynthesis/ *RECEPTORS, DRUG, drug effects/ TRITIUM/ *VAGINA, metabolism

3711. **Stoppoloni G:** Le sindromi immunodeficitarie primitive.
Pediatria (Napoli) 81:147-200, 31 Mar 73 (231 ref.) (Ita)
AGAMMAGLOBULINEMIA/ ALDRICH SYNDROME, immunology/ ANTIBODY FORMATION/ ATAXIA TELANGIECTASIA, immunology/ BONE MARROW CELLS, transplantation/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, immunology/ ENGLISH ABSTRACT/ HUMAN/ IGA, biosynthesis/ IGG, biosynthesis/ IGM, biosynthesis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES/ IMMUNOLOGIC DEFICIENCY SYNDROMES, classification/ IMMUNOLOGIC DEFICIENCY SYNDROMES, therapy/ INFANT/ INFANT, NEWBORN/ B-LYMPHOCYTES, immunology/ PARATHYROID GLANDS, abnormalities/ REVIEW/ THYMOMA, immunology/ THYMUS GLAND, abnormalities/ TRANSPLANT HOMOLOGOUS

3712. **Storm DR, Dolginow YD:** Glucagon stimu adenylate cyclase sulfhydryl reactivity. Evi hormone-induced conformational change
J Biol Chem 248:5208-10, 25 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHO ADENOSINE TRIPHOSPHATE/ ADEN CYCLASE, antagonists & inhibitors/ CYCLASE, metabolism/ AMIDES, pharmacodynamics/ ANIMAL EXPERI BINDING SITES/ CARBON ISOTOPE SYNERGISM/ *GLUCAGON, pharmaco IODOACETATES, pharmacodynamics/ drug effects/ *LIVER, enzymology/ MEMBRANES, drug effects/ MEMBRA enzymology/ PROTEIN CONFORMATI RATS/ RECEPTORS, HORMONE/ SULFHYDRYL COMPOUNDS, metabo TRITIUM

3713. **Strangmeier JM:** A singular large skull meta follicular thyroid carcinoma in a Mou female. Ariz Med 30:409-10, Jun 73
*ADENOCARCINOMA/ ADENOCARCI pathology/ FEMALE/ HUMAN/ MIDI MONGOLOID RACE/ NEOPLASM METASTASIS/ *SKULL NEOPLASMS NEOPLASMS, pathology/ *THYROID NEOPLASMS/ THYROID NEOPLASM pathology/ VIETNAM

3714. **Straube W, Rohde W, Hofmann R, e** Untersuchungen zur Frage der Ident schwangerschaftstypischer Priteine mit Zentralbl Gynaekol 95:552-7, 20 Apr
CHEMISTRY/ CHROMATOGRAPHY, EXCHANGE/ FEMALE/ *GLYCOPR analysis/ *GONADOTROPINS, CHOR analysis/ HUMAN/ IMMUNOELECTROPHORESIS/ *LH, *PREGNANCY/ RABBITS, immunolo RADIOIMMUNOASSAY/ UMBILICAL

3715. **Strauch G, Bricaire H, Guiot G, et al:** Evolu terme des paramétres métaboliques et aprés traitement de l'acromégalie.
Ann Endocrinol (Paris) 33:397-8, Jul-A
ACROMEGALY, physiopathology/ *ACROMEGALY, therapy/ ADOLES ADULT/ BLOOD SUGAR, analysis/ VOLUME/ CALCIUM, urine/ ENGL ABSTRACT/ FEMALE/ FOLLOW-U STUDIES/ HUMAN/ HYPOPHYSEC INSULIN, blood/ MALE/ SOMATO blood/ SPHENOID BONE

3716. **Strauer BE, Scherpe A:** Untersuchung Einfluss von Propranolol auf Herzm Kontraktilität bei experimenteller H Verh Dtsch Ges Kreislaufforsch 38:263
ANIMAL EXPERIMENTS/ CATS/ drug effects/ HEART, physiopathol HYPERTHYROIDISM, chemically i HYPERTHYROIDISM, drug therapy *HYPERTHYROIDISM, physiopatho *PROPRANOLOL, pharmacodynami PROPRANOLOL, therapeutic use/ THYROXINE

3717. **Strazhdina TD:** Sindrom retrobul'barno otechnom ekzoftal'me.
Vestn Oftalmol 2:87-91, Mar-Apr 7
ADULT/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, complications/ HUMAN/ MALE/ MIDDLE AGE/ NEURITIS, etiology

3718. **Strebelow W:** Ein Beitrag zur totale Feminisierung.
Z Aerztl Fortbild (Jena) 67:238-40, 1
ADOLESCENCE/ AMENORRHEA, CASE REPORT/ CHILD/ FEMAL FOLLOW-UP STUDIES/ HUMAN/ HERNIA, complications/ KARYOT MALE/ STERILITY, FEMALE, et TESTICULAR FEMINIZATION, c *TESTICULAR FEMINIZATION,

LIBRARY U. OF I. INDIANA

reng CB, Nathan P: The immune response in steroid leficient mice. Immunology 24:559-65, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS/ CASTRATION/ ERYTHROCYTES, immunology/ FEMALE/ GAMMA GLOBULIN, 19S/ *GONADS, physiology/ HEMOLYSINS/ HEMOLYTIC PLAQUE TECHNIC/ IMMUNITY/ IMMUNIZATION/ MALE/ MICE/ MICE, INBRED CBA/ ORGAN WEIGHT/ SHEEP, immunology/ SPLEEN, cytology/ *SPLEEN, immunology/ STATISTICS/ TIME FACTORS

rtahonok VP: Izmenenie nekotorykh zashchitnykh voistv kozhi pod vliianiem kortikosteroidnoi terapii. estn Dermatol Venerol 47:68-70, Apr 73 (Rus)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MIDDLE AGE/ *PREDNISOLONE, TOPICAL, adverse effects/ *SKIN, drug effects/ SKIN, microbiology/ SKIN DISEASES, drug therapy

over HM: Observations on two cases of snake-bite by aja nigricollis ss mossambica.
ent Afr J Med 19:12-3, Jan 73
CORTISONE, therapeutic use/ EPINEPHRINE, therapeutic use/ FEMALE/ GLUCOSE, therapeutic use/ HUMAN/ NECROSIS, etiology/ SEROTHERAPY/ *SNAKE BITES, drug therapy/ SNAKE BITES, therapy/ SNAKES

dler EH, Lysengen VL, O'Farrell MJ: Biology of lyotis thysanodes and M. lucifugus (Chiroptera: espertilionidae). II. Bioenergetics of pregnancy and ctation.
omp Biochem Physiol [A] 44:467-71, 1 Feb 73
ANIMAL EXPERIMENTS/ CALORIMETRY/ *CHIROPTERA, metabolism/ EMBRYO/ FEMALE/ *LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL

ikkey AL, Ignat'ev AS, Nikiforov VI: Rezul'taty 100 peratsii pri pervichnom giperparatureoze.
estn Khir 110:33-8, Mar 73 (Rus)
ADENOMA, complications/ *ADENOMA, surgery/ ADULT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, etiology/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, surgery

ttgen G: Toxic epidermal necrolysis provoked by arbiturates. Br J Dermatol 88:291-3, Mar 73
ADRENAL CORTEX HORMONES, adverse effects/ AGED/ ENDOCARDITIS, chemically induced/ *EPIDERMAL NECROLYSIS, TOXIC, chemically induced/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ HUMAN/ *PHENOBARBITAL, adverse effects/ PREDNISOLONE, therapeutic use/ *PRIMIDONE, adverse effects/ TRIGEMINAL NEURALGIA, drug therapy

tz FH, Tormey DC, Blom J: Hemangiosarcoma and thologic rupture of the spleen.
ancer 31:1213-5, May 73
*ANGIOSARCOMA, complications/ ANGIOSARCOMA, drug therapy/ ANGIOSARCOMA, surgery/ BLEOMYCIN, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, therapeutic use/ SPLENECTOMY/ *SPLENIC NEOPLASMS, complications/ SPLENIC NEOPLASMS, drug therapy/ *SPLENIC RUPTURE, etiology/ SPLENIC RUPTURE, surgery/ VINCRISTINE, therapeutic use

tzman L: Current concepts in treatment of mphomas with special reference to Hodgkin's sease. Annu Rev Med 24:325-34, 1973
AGE FACTORS/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ HYPERPLASIA/ LYMPHOMA, drug therapy/ LYMPHOMA, radiotherapy/ *LYMPHOMA, therapy/ PROCARBAZINE, therapeutic use/ SEX FACTORS/ STEROIDS, therapeutic use/ TIME FACTORS/ VINCRISTINE, adverse effects

3727. Subjak J, Lányi A, Mederák P: Mnohočetné osteómy čeľuste pri Gardnerovom syndróme.
Cesk Stomatol 73:177-9, 1973 (Slo)
ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTESTINAL POLYPS, familial & genetic/ MALE/ *MANDIBULAR NEOPLASMS, complications/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ *OSTEOMA, etiology/ OSTEOMALACIA, familial & genetic/ SKIN NEOPLASMS, complications/ SYNDROME

3728. Sudha C, Schifrin B, Suzuki K: Trilobate placenta and an abnormal fetal heart rate pattern.
Am J Obstet Gynecol 116:878-80, 15 Jul 73
AMNIOTIC FLUID/ AMNIOTIC FLUID, pathology/ APGAR SCORE/ CASE REPORT/ FEMALE/ *FETAL HEART, physiopathology/ *HEART RATE/ HUMAN/ INFANT, NEWBORN/ MALE/ *PLACENTA, abnormalities/ PLACENTA DISORDERS, complications/ PREGNANCY/ PRESSURE

3729. Sudova K, Kindler E: Pokusy s číslicovým modelem sledování funkce štítné žlázy při inhibici transportu jódu v posloupnosti organismů.
Sb Lek 75:215-24, Jul 73 (Cze)
ANIMAL EXPERIMENTS/ *COMPUTERS, DIGITAL/ ENGLISH ABSTRACT/ *IODINE, metabolism/ METHODS/ *MODELS, BIOLOGICAL/ RATS/ *THYROID GLAND FUNCTION TESTS, standards

3730. Sugimoto T, Sumiya R, Umehara C: [Effects of continuous administration of ACTH on the function of the adrenal cortex and pituitary body]
Clin Endocrinol (Tokyo) 20:989-94, Nov 72 (Jap)
*CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ HUMAN/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY-ADRENAL SYSTEM, physiology

3731. Sugita M, Urakabe S, Handler JS, et al: The effect of some nucleotides and related compounds on sodium transport and water permeability of the urinary bladder of the toad.
Comp Biochem Physiol [A] 45:157-67, 1 May 73
ADENINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *BLADDER, metabolism/ BUFO MARINUS/ ELECTROCHEMISTRY/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ NUCLEOTIDES, pharmacodynamics/ PERMEABILITY/ PHOSPHODIESTERASES, antagonists & inhibitors/ *SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics/ *VASOPRESSIN, pharmacodynamics/ *WATER, metabolism

3732. Suki WN, Eknoyan G, Martinez-Maldonado M: Tubular sites and mechanisms of diuretic action.
Annu Rev Pharmacol 13:91-106, 1973 (162 ref.)
ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ CALCIUM, metabolism/ CELLS, metabolism/ *DIURETICS, pharmacodynamics/ DOGS/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, PROXIMAL, drug effects/ LOOP OF HENLE, drug effects/ MAGNESIUM, metabolism/ PHOSPHATES, metabolism/ REVIEW/ SODIUM, metabolism/ URIC ACID, metabolism/ WATER, metabolism

3733. Suko J: The effect of temperature on Ca 2+ uptake and Ca 2+ -activated ATP hydrolysis by cardiac sarcoplasmic reticulum.
Experientia 29:396-8, 15 Apr 73
*ADENOSINE TRIPHOSPHATE, metabolism/

ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CENTRIFUGATION/ DOGS/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *MYOCARDIUM, metabolism/ *SARCOPLASMIC RETICULUM, metabolism/ TEMPERATURE

3734. **Sulakhe PV, Dhalla NS:** Adenylate cyclase of heart sarcotubular membranes.
Biochim Biophys Acta 293:379-96, 15 Feb 73
ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CHLOROMERCURIBENZOATES, pharmacodynamics/ DOGS/ FLUORIDES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, pharmacodynamics/ MEMBRANES, drug effects/ MEMBRANES, enzymology/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHOLIPASE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ RABBITS/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, enzymology/ SNAKES/ SUBCELLULAR FRACTIONS, enzymology/ TRYPSIN, pharmacodynamics/ VENOMS, pharmacodynamics

3735. **Sulakhe PV, Drummond GI, Ng DC:** Calcium binding by skeletal muscle sarcolemma.
J Biol Chem 248:4150-7, 25 Jun 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CATIONS, MONOVALENT, pharmacodynamics/ CELL MEMBRANE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROGEN-ION CONCENTRATION/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MUSCLE CONTRACTION/ OSMOLAR CONCENTRATION/ OXALATES, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ PHOSPHOLIPASE, pharmacodynamics/ PROTEIN BINDING/ RABBITS/ SARCOLEMMA, drug effects/ SARCOLEMMA, enzymology/ *SARCOLEMMA, metabolism/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, metabolism

3736. **Sulcová J, Stárka L:** The metabolism of androgens in normal human testis and epididymis in vitro.
Endocrinol Exp (Bratisl) 7:113-8, 1973
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ DEHYDROEPIANDROSTERONE, metabolism/ *EPIDIDYMIS, metabolism/ HUMAN/ IN VITRO/ *17-KETOSTEROIDS, metabolism/ MALE/ *TESTIS, metabolism/ TESTOSTERONE, metabolism

3737. **Sullivan JM, Nakano KK, Tyler HR:** Plasma renin activity during levodopa therapy. Significance of long- and short-term treatment.
JAMA 224:1726-9, 25 Jun 73
ADULT/ AGED/ ALDOSTERONE, secretion/ ANGIOTENSIN AMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DIET/ DOPA, administration & dosage/ DOPA, pharmacodynamics/ *DOPA, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PARKINSONISM, drug therapy/ POSTURE/ POTASSIUM, blood/ POTASSIUM, urine/ RATS/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine/ TIME FACTORS

3738. **Summers MR, Smythers GW, Oroszlan S:** Thin-layer chromatography of sub-nanomole amounts of phenylthiohydantoin (PTH) amino acids on polyamide sheets.
Anal Biochem 53:624-8, Jun 73
*AMINO ACIDS, isolation & purification/ AUTOANALYSIS/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE/ *HYDANTOINS, isolation & purification/ METHODS/ OXAZOLES/ THIOHYDANTOINS, is purification

3739. **Sun CN, White HJ, Towbin EJ:** Histoc electron microscopy of the renal papilla strain of rats with diabetes insipid
Nephron 9:308-17, 1972
ANIMAL EXPERIMENTS/ BASEME MEMBRANE/ CYTOPLASM/ DIABE INSIPIDUS, familial & genetic/ *D INSIPIDUS, pathology/ EPITHELIA HETEROZYGOTE/ HISTOCYTOCHE HOMOZYGOTE/ KIDNEY, analysis/ pathology/ MICROSCOPY, ELECTR MITOCHONDRIA/ MUCOPOLYSAC analysis/ RATS/ STAINS AND ST

3740. **Sundarraj N, Pfeiffer SE:** Myelin basic pr methyl transferase: wide distribution neurogenic and non-neurogenic tiss
Biochem Biophys Res Commun 52:103
AMINO ACID SEQUENCE/ AMINO analysis/ ANIMAL EXPERIMENTS ARGININE/ BRAIN, enzymology/ ISOTOPES/ CATTLE/ CELL LINE CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, POLYACRYL GEL/ ENCEPHALITOGENIC BASI PROTEINS/ HISTONES/ KIDNEY, LIVER, enzymology/ LUNG, enzym *METHYLTRANSFERASES, analysi MYOCARDIUM, enzymology/ NEO EXPERIMENTAL/ ORGAN SPECI PEPTIDES, analysis/ RATS/ SCIA enzymology/ SPLEEN, enzymology enzymology/ TRITIUM

3741. **Sundblad L, Wallin-Nilsson M, Brol** Characterization of alkaline phosphata in serum by agar gel electrophor
Clin Chim Acta 45:219-35, 18 May
ADOLESCENCE/ AGAR/ ALKALI PHOSPHATASE, analysis/ *ALKA PHOSPHATASE, blood/ BILE, en BLOOD GROUPS/ BONE AND BO enzymology/ DRUG STABILITY/ ELECTROPHORESIS/ FEMALE/ I INTESTINES, enzymology/ ISOEN analysis/ *ISOENZYMES, blood/ J OBSTRUCTIVE, blood/ JAUNDICE OBSTRUCTIVE, enzymology/ LAC DEHYDROGENASE ISOENZYMES LIVER, enzymology/ MALE/ MET PLACENTA, enzymology/ PREGN TEMPERATURE/ TIME FACTORS

3742. **Surjaningrat S, Suyono H:** Studies in fan Indonesia.
Stud Fam Plann 4:103-
ADULT/ BIRTH RATE/ CONTRA ORAL/ COSTS AND COST ANA *FAMILY PLANNING/ FEMALE/ GOVERNMENT/ GOVERNMENT HUMAN/ INDONESIA/ INTERNA AGENCIES/ INTRAUTERINE DE NEWSPAPERS/ PREGNANCY/ R STATISTICS/ TELEVISION

3743. **Surovikin DM, Nemchenko VI:** Septi khirurgicheskoi klinike.
Vestn Khir 110:126-9, Mar 73 (2
ANTIBIOTICS, therapeutic use/ INFECTIONS, diagnosis/ BACTE INFECTIONS, etiology/ BLOOD COAGULATION DISORDERS, eti INFECTION/ HUMAN/ HYDROC therapeutic use/ HYPOTENSION *POSTOPERATIVE COMPLICATI REVIEW/ *SEPTICEMIA/ SEPTI diagnosis/ SEPTICEMIA, drug th *SHOCK, SURGICAL/ SHOCK, S diagnosis/ SHOCK, SURGICAL, THROMBOSIS, etiology

3744. **Sutcliffe HS, Martin TJ:** Parathyroid h in bovine kidney cortex plasma
Clin Sci 44:25P-26P, Jun 73
ADENYL CYCLASE, metabolism EXPERIMENTS/ CATTLE/ CEL enzymology/ CELL MEMBRANE

LIBRARY U. OF ... INDIANA ...

HUMAN/ IN VITRO/ *KIDNEY, metabolism/ KIDNEY CORTEX, cytology/ KIDNEY CORTEX, metabolism/ *PARATHYROID HORMONE, metabolism/ RATS/ *RECEPTORS, HORMONE

...ttier-Dub MT, Leclercq R, Felix JM, et al: Serum progesterone and immuno-reactive insulin levels in the pregnant rat. Horm Metab Res 5:18-21, Jan 73
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ BLOOD SUGAR, metabolism/ BLOOD SUGAR, physiology/ CESAREAN SECTION/ FEMALE/ *INSULIN, blood/ PLACENTA, physiology/ *PREGNANCY/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RATS/ TIME FACTORS

...zuki T, Oyama K, Nakamura T: [Study of microcirculation by high speed cinematography. 3. Observations on DCA-induced hypertension in rats] Respir Circ (Tokyo) 20:67-74, Jan 72 (Jap)
ANIMAL EXPERIMENTS/ CINEANGIOGRAPHY/ CORTICOSTERONE/ ENGLISH ABSTRACT/ HYPERTENSION, chemically induced/ *HYPERTENSION, physiopathology/ MALE/ *MESENTERY, blood supply/ *MICROCIRCULATION/ PHLEBOGRAPHY/ RATS

...anberg G, Lindhe J, Hugoson A, et al: Effect of nutritional hyperparathyroidism on experimental periodontitis in the dog.
Scand J Dent Res 81:155-62, 1973
ALVEOLAR PROCESS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE DISEASES, complications/ BONE DISEASES, etiology/ CALCIUM/ CALCIUM, blood/ CHRONIC DISEASE/ DEFICIENCY DISEASES/ DENTAL PLAQUE/ DIET/ DOGS/ *GINGIVITIS, etiology/ *HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, etiology/ PARATHYROID GLANDS, pathology/ *PERIODONTITIS, etiology/ PHOSPHORUS/ PHOSPHORUS, blood/ *TOOTH MOBILITY

...ehag SE, Schilling W: Synergism between ...ilocantibodies or F(ab') 2 and prednisone in the ...urvival of murine split heart allografts.
Transplantation 15:344-6, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIBODIES/ CATTLE/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DRUG SYNERGISM/ *GRAFT REJECTION/ GRAFT REJECTION, drug effects/ GUINEA PIGS/ *HEART, transplantation/ IMMUNE SERUMS/ *IMMUNOGLOBULIN FRAGMENTS/ IMMUNOGLOBULINS, FAB, administration & dosage/ *ISOANTIBODIES/ MICE/ PREDNISONE, administration & dosage/ *PREDNISONE, pharmacodynamics/ SPLEEN, cytology/ THYMUS GLAND, cytology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

...etlov VA, Ippolitov IKh, Firsov AA, et al: ...eridural'naia anestezilia.
...ov Med 35:70-8, Apr 72 (Rus)
ADRENAL GLANDS, drug effects/ ANESTHESIA, CONDUCTION/ *ANESTHESIA, EPIDURAL/ ANESTHESIA, EPIDURAL, adverse effects/ ANESTHESIA, EPIDURAL, classification/ ANESTHESIA, INTRATRACHEAL/ ANESTHESIA, SPINAL/ ANESTHETICS, LOCAL, pharmacodynamics/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE, drug effects/ CEREBRAL ARTERIES, drug effects/ DURA MATER, anatomy & histology/ GANGLIA, SPINAL, anatomy & histology/ HEMODYNAMICS, drug effects/ HUMAN/ KIDNEY, blood supply/ LIVER, blood supply/ POSTOPERATIVE CARE/ PSYCHOPHARMACOLOGY/ REGIONAL BLOOD FLOW/ RESPIRATION, drug effects/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, drug effects

...ob M, Mussafija A, Frank F, et al: Response of tail fin of Proteus anginus to thyroxine.
J Exp Zool 184:341-4, Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CULTURE MEDIA/ IN VITRO/ IODINE ISOTOPES/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ *SALAMANDERS, physiology/ SKIN, drug effects/ TAIL/ THYROID GLAND, metabolism/ THYROXINE, biosynthesis/ *THYROXINE, pharmacodynamics

3751. Swanson LW, Sharpe LG, Griffin D: Drinking to intracerebral angiotensin II and carbachol: dose-response relationships and ionic involvement.
Physiol Behav 10:595-600, Mar 73
ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, administration & dosage/ *CARBACHOL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR, drug effects/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMUS, drug effects/ MALE/ MICROINJECTIONS/ OSMOLAR CONCENTRATION/ POTASSIUM, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ RECEPTORS, DRUG, drug effects/ *SEPTUM PELLUCIDUM, drug effects/ SODIUM, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

3752. Swanson RF: Specificity of mitochondrial and cytoplasmic ribosomes and elongation factors from Xenopus laevis. Biochemistry 12:2142-6, 22 May 73
AMINO ACYL T RNA SYNTHETASES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM, enzymology/ *CYTOPLASM, metabolism/ ESCHERICHIA COLI/ ESCHERICHIA COLI, cytology/ FEMALE/ LIVER, cytology/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ OVARY, cytology/ *OVARY, metabolism/ *PEPTIDE ELONGATION FACTORS/ PEPTIDES, biosynthesis/ PHENYLALANINE, metabolism/ POLY U, pharmacodynamics/ RATS/ *RIBOSOMES, metabolism/ RNA, TRANSFER/ SPECIES SPECIFICITY/ TRITIUM/ ULTRACENTRIFUGATION/ XENOPUS

3753. Sweetman BJ, Frölich JC, Watson JT: Quantitative determination of prostaglandins.
Prostaglandins 3:75-87, Jan 73
CHEMISTRY/ CHROMATOGRAPHY, GAS/ IN VITRO/ MASS SPECTRUM ANALYSIS/ METHANE/ METHODS/ MICROCHEMISTRY/ PROSTAGLANDINS, analysis/ SILICON/ SPECIAL LIST REPRODUCTION

3754. Swerdloff RS, Grover PK, Jacobs HS, et al: Search for a substance which selectively inhibits FSH--effects of steroids and prostaglandins on serum FSH and LH levels. Steroids 21:703-22, May 73
ANDROSTANES, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ *FSH, antagonists & inhibitors/ FSH, blood/ *LH, blood/ MALE/ PREGNANES, pharmacodynamics/ PREGNENES, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROSTATE, metabolism/ RATS/ *STEROIDS, pharmacodynamics/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

3755. Swerdloff RS, Walsh PC: Testosterone and oestradiol suppression of LH and FSH in adult male rats: duration of castration, duration of treatment and combined treatment.
Acta Endocrinol (Kbh) 73:11-21, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEEDBACK/ *FSH, blood/ *LH, blood/ MALE/ RATS/ TESTOSTERONE, administration &

dosage/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3756. **Swislocki NI, Scheinberg S, Sonenberg M:** Interaction of liver plasma membranes and GTP with GTP hydrolysis.
Biochem Biophys Res Commun 52:313-9, 1 May 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, THIN LAYER/ *GUANOSINE TRIPHOSPHATE, metabolism/ HYDROLYSIS/ HYPOPHYSECTOMY/ LIVER, cytology/ *LIVER, metabolism/ PITUITARY GLAND, physiology/ PROTEIN BINDING/ RATS

3757. **Swyer GI:** The pill. Nurs Mirror 136:10-1, 25 May 73
CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ SPECIAL LIST NURSING

3758. **Szabó I:** Path neuron system of medial forebrain bundle as a possible substrate for hypothalamic self-stimulation. Physiol Behav 10:315-28, Feb 73
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ DRIVE/ ELECTRIC STIMULATION/ FEEDBACK/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION/ *NEURONS, physiology/ RATS/ REFRACTORY PERIOD, NEUROLOGIC/ REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS/ SYNAPSES, physiology

3759. **Szabo S, Kourounakis P, Selye H:** Effect of adrenocorticotropin (ACTH) upon the drug response of intact and adrenalectomized rats.
Can J Physiol Pharmacol 51:169-74, Mar 73
ACETAMIDES, toxicity/ ACETANILIDE, toxicity/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANILINE COMPOUNDS, toxicity/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ NITRILES, toxicity/ PARALYSIS, chemically induced/ RATS/ TIME FACTORS/ ZOXAZOLAMINE, antagonists & inhibitors/ ZOXAZOLAMINE, blood

3760. **Szabo S, Kovacs K, Garg BD, et al:** Effect of hypophysectomy and cyproterone acetate on the liver ultrastructure as well as on hexobarbital anesthesia and zoxazolamine paralysis in rats.
Horm Metab Res 5:109-13, Mar 73
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CYPROTERONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ *HEXOBARBITAL/ HYPOPHYSECTOMY/ *LIVER, cytology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ PARALYSIS, chemically induced/ PITUITARY GLAND, physiology/ *PREGNADIENES, pharmacodynamics/ RATS/ SLEEP, drug effects/ TIME FACTORS/ *ZOXAZOLAMINE

3761. **Szántó D:** Zum Problem ultimobranchialer oder kalzitonischer Osteopathien.
Z Gesamte Inn Med 28:227-32, 15 Apr 73 (Ger)
*BONE DISEASES, etiology/ BONE DISEASES, metabolism/ BONE DISEASES, physiopathology/ BONE DISEASES, radiography/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, complications/ OSTEITIS DEFORMANS, etiology/ OSTEOPOROSIS, etiology/ *PARATHYROID GLANDS, physiopathology/ PARATHYROID HORMONE, metabolism/ THYROCALCITONIN, metabolism

3762. **Szczepski O, Bittner K, Maciejewski J:** Doświadczalna nadczynność orzytarczyc a gospodarka sodowo-potasowa u dzieci.
Pediatr Pol 48:561-5, May 73 (Pol)
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT
*HYPERPARATHYROIDISM, metabol
PARATHYROID HORMONE, diagnos
*POTASSIUM, metabolism/ *SODIUM
metabolism

3763. **Szijan I, Burdman JA:** The relationship be
synthesis and the synthesis of nuclear pr
brain. Effect of hydrocortisone acet
Biochim Biophys Acta 299:344-53, 19
AGING/ ANIMAL EXPERIMENTS/
cytology/ *BRAIN, enzymology/ CA
ISOTOPES/ CELL FRACTIONATION
NUCLEUS, enzymology/ CENTRIFU
DENSITY GRADIENT/ *DNA, biosy
FEMALE/ *HYDROCORTISONE,
pharmacodynamics/ LEUCINE, meta
LIVER, cytology/ LIVER, enzymolo
*NERVE TISSUE PROTEINS, biosy
NUCLEOPROTEINS, biosynthesis/ C
SPECIFICITY/ RATS/ RATS, INBR
STRAINS/ SUBCELLULAR FRACTI
enzymology/ THYMIDINE, metaboli
FACTORS/ TRITIUM

3764. **Szontágh FE:** Short-loop ("internal") pituitary-hypothalamus gonadotropin fe
human. Endocrinol Exp (Bratisl) 7:
BIOLOGICAL ASSAY/ FEEDBACK
GONADOTROPINS, urine/ *GONAD
PITUITARY, secretion/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL
*HYPOTHALAMUS, physiology/ OV
physiology

3765. **Szöts F, Lelièvre M:** L'enfant de petite ta
clinique. Vie Med Can Fr 2:370-7,
*BODY HEIGHT/ BONE DISEASES
complications/ CHILD/ *CHILD
DEVELOPMENT/ CHILD PSYCHO
ENDOCRINE DISEASES, complicat
*GROWTH DISORDERS/ GROWTH
DISORDERS, diagnosis/ GROWTH
etiology/ GROWTH DISORDERS, t
HEREDITARY DISEASES, complic
HUMAN/ MEDICAL HISTORY TA
METABOLISM, INBORN ERRORS,
complications/ NUTRITION DISOR
complications/ PHYSICAL EXAMI
PLACENTA DISORDERS, complica

3766. **Szöts F, Nadeau A, Tremblay R:** Effets
sur l'hormone de croissance, la glycém
plasmatique.
Union Med Can 102:591-5, Mar 73
ADOLESCENCE/ ADULT/ *BLOO
CORTICOTROPIN, blood/ DEXAM
pharmacodynamics/ ENGLISH ABS
FEMALE/ HUMAN/ HYDROCORT
blood/ *INSULIN, blood/ *METYR
pharmacodynamics/ RADIOIMMUN
*SOMATOTROPIN, blood

3767. **Szuhaj BF, McCarl RL:** Fatty acid com
hearts as influenced by age and diet
Lipids 8:241-5, May 73
AGE FACTORS/ ANIMAL EXPE
ANIMAL FEED, analysis/ ANIMA
NUTRITION/ ANIMALS, NEWBO
CHROMATOGRAPHY, GAS/ DIE
analysis/ FATTY ACIDS, analysis
ACIDS, metabolism/ FEMALE/ G
FILTRATION/ HEART,
growth & development/ HYDRO
CONCENTRATION/ LACTATION/
isolation & purification/ *LIPIDS
METHYLATION/ MILK/ MILK,
*MYOCARDIUM, metabolism/ PR
RATS

T

3768. **Taber P, Lackey DA, Gans SL:** Total bo
and neonatal ovarian cysts.
J Pediatr Surg 8:429-30, Jun 73
FEMALE/ HUMAN/ INFANT, N
*INFANT, NEWBORN, DISEASE
INFANT, NEWBORN, DISEASES
METHODS/ *OVARIAN CYSTS,
OVARIAN CYSTS, surgery/ UR

LIBRARY U OF I

uchi K, Yamada O, Nishimoto A: The ultrastructure pinealomas.
ta Neuropathol (Berl) 24:117-27, 18 Apr 73
CELL NUCLEOLUS/ CELL NUCLEUS/
ENDOCRINE DISEASES, pathology/
ENDOPLASMIC RETICULUM/ HUMAN/
LYMPHOCYTES/ MICROSCOPY, ELECTRON/
PINEALOMA, pathology/ PLASMA CELLS/
TERATOID TUMOR, pathology

shev KG: Morfologicheskie izmenenlia erentnykh sviazei serdtsa pri opukholiakh ovnogo mozga, vozdeistvuiushchikh na otalamicheskuiu oblast.
rdiologiia 13:125-31, Mar 73 (Rus)
ADULT/ ASTROCYTOMA, pathology/ BRAIN DISEASES, pathology/ *BRAIN NEOPLASMS, athology/ CEREBRAL VENTRICLE NEOPLASMS, pathology/ CORPUS CALLOSUM/ CRANIOPHARYNGIOMA, athology/ CYSTS, pathology/ ENGLISH ABSTRACT/ EPENDYMOMA, pathology/ FEMALE/ GANGLIA, SPINAL, pathology/ HEART CONDUCTION SYSTEM/ HUMAN/ HYPOTHALAMUS/ MALE/ MYOCARDIUM, athology/ NEURONS, AFFERENT

hashi T, Okamoto Y, Nakamura R, et al: Influence vascular permeability on blood-borne metastasis.
n 64:1-5, Feb 73
ADRENAL GLAND NEOPLASMS/ ANIMAL XPERIMENTS/ *CAPILLARY ERMEABILITY/ CAPILLARY ERMEABILITY, drug effects/ HEART EOPLASMS/ HEPATOMA/ HISTAMINE, harmacodynamics/ KIDNEY NEOPLASMS/ IVER NEOPLASMS/ LUNG NEOPLASMS/ YMPHATIC METASTASIS/ *NEOPLASM IRCULATING CELLS/ *NEOPLASM ETASTASIS/ NEOPLASM SEEDING/ EOPLASM TRANSPLANTATION/ EOPLASMS, EXPERIMENTAL/ PANCREATIC EOPLASMS/ RATS/ SEMICARBAZONES, harmacodynamics/ SKIN NEOPLASMS

yanagi I, Uchida M, Inatomi N, et al: Intracellular ic adenosine 3', 5'-monophosphate and relaxing cts of isoprenaline and papaverine on smooth cle of intestine. Jap J Pharmacol 22:869-71, Dec 72
ADENOSINE CYCLIC 3',5' ONOPHOSPHATE, metabolism/ ANIMAL XPERIMENTS/ GUINEA PIGS/ IN VITRO/ NTESTINES/ *ISOPROTERENOL, harmacodynamics/ MALE/ *MUSCLE, MOOTH, drug effects/ MUSCLE, SMOOTH, etabolism/ *PAPAVERINE, harmacodynamics/ PHENYLEPHRINE, harmacodynamics

hisa Y, Miyoshi M, Suzuki S, et al: [Thyroid antibody and thyroid function in rheumatoid ritis]
machi 12:342-7, Jan 73 (Jap)
DULT/ *ARTHRITIS, RHEUMATOID/ RTHRITIS, RHEUMATOID, immunology/ RTHRITIS, RHEUMATOID, physiopathology/ AUTOANTIBODIES, analysis/ ENGLISH BSTRACT/ FEMALE/ HUMAN/ MALE/ IDDLE AGE/ *THYROID GLAND/ THYROID LAND, immunology/ THYROID GLAND, hysiopathology/ THYROID GLAND UNCTION TESTS

chi T, Manning JW: Hypothalamic mediation of baroreceptor-evoked muscle cholinergic dilator onse. Am J Physiol 224:1280-7, Jun 73
NIMAL EXPERIMENTS/ ATROPINE, harmacodynamics/ *BLOOD PRESSURE/ RAIN STEM, physiology/ CARDIAC UTPUT/ *CAROTID SINUS, physiology/ ATS/ ELECTRIC STIMULATION/ FEMALE/ EART RATE/ *HYPOTHALAMUS, hysiology/ LEG, blood supply/ MALE/ USCLES, blood supply/ RESSORECEPTORS, physiology/ ECEPTORS, ADRENERGIC/ RECEPTORS, HOLINERGIC/ *REFLEX/ REGIONAL LOOD FLOW/ STEREOTAXIC TECHNICS/ ASCULAR RESISTANCE/ VASCULAR ESISTANCE, drug effects

3775. **Talaš M, Gazárek F, Stehlíková J, et al:** Serum FSH and LH levels in the normal menstrual cycle, amenorrhea and oligomenorrhea.
Endocrinol Exp (Bratisl) 7:80-4, 1973
ADULT/ *AMENORRHEA, blood/ FEMALE/ *FSH, blood/ GONADOTROPINS, urine/ HUMAN/ HYPOGONADISM, blood/ *LH, blood/ *MENSTRUATION/ OVULATION/ RADIOIMMUNOASSAY/ STEIN-LEVENTHAL SYNDROME, blood/ TURNER'S SYNDROME, blood

3776. **Talerman A:** Multiple foci of atypical epithelial hyperplasia (tumourlets) in irradiated human lungs.
Br J Radiol 46:464-6, Jun 73
ADULT/ AUTOPSY/ HUMAN/ HYPERPLASIA, etiology/ LUNG, pathology/ *LUNG DISEASES, etiology/ LUNG DISEASES, pathology/ *LUNG NEOPLASMS, radiotherapy/ MALE/ NEOPLASM METASTASIS/ PNEUMONIA, etiology/ PNEUMONIA, pathology/ PULMONARY ALVEOLI, pathology/ *RADIATION INJURIES/ *RADIOTHERAPY, adverse effects/ TESTICULAR NEOPLASMS

3777. **Tamásy V, Korányi L, Lissák K, et al:** Open-field behavior, habituation and passive avoidance learning: effect of ACTH and hydrocortisone on normal and adrenalectomized rats.
Physiol Behav 10:995-1000, Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING, drug effects/ *CORTICOTROPIN, pharmacodynamics/ ELECTROSHOCK/ *EXPLORATORY BEHAVIOR, drug effects/ *HABITUATION (PSYCHOPHYSIOLOGY), drug effects/ HOUSING, ANIMAL/ *HYDROCORTISONE, pharmacodynamics/ LOCOMOTION, drug effects/ MALE/ MOTOR ACTIVITY, drug effects/ RATS

3778. **Tan C, Etcubanas E, Wollner N, et al:** Adriamycin--an antitumor antibiotic in the treatment of neoplastic diseases. Cancer 32:9-17, Jul 73
ADRIAMYCIN, administration & dosage/ ADRIAMYCIN, adverse effects/ *ADRIAMYCIN, therapeutic use/ ADULT/ ALOPECIA, chemically induced/ CHILD/ ELECTROCARDIOGRAPHY/ EVALUATION STUDIES/ HEART CONDUCTION SYSTEM, drug effects/ HEART FAILURE, CONGESTIVE, chemically induced/ HEPATOMA, drug therapy/ HUMAN/ LEUKEMIA, drug therapy/ LYMPHOMA, drug therapy/ MOUTH DISEASES, chemically induced/ *NEOPLASMS, drug therapy/ NEPHROBLASTOMA, drug therapy/ NEUROBLASTOMA, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ REMISSION/ RETINOBLASTOMA, drug therapy/ RHABDOMYOSARCOMA, drug therapy/ SARCOMA, EWING'S, drug therapy/ TERATOID TUMOR, drug therapy/ ULCER, chemically induced

3779. **Tanaka C, Tanaka S, Itokawa Y, et al:** Skeletal changes induced by dopa decarboxylase inhibitor in rats.
Jap J Pharmacol 23:123-5, Feb 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, drug effects/ CALCIUM, analysis/ CALCIUM, blood/ *DOPA DECARBOXYLASE, antagonists & inhibitors/ FEMUR, analysis/ *HYDRAZINES, pharmacodynamics/ KNEE JOINT/ MAGNESIUM, analysis/ MAGNESIUM, blood/ MALE/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ RATS/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ SPINE, drug effects

3780. **Tanaka M, Haniu M, Yasunobu KT, et al:** The primary structure of Peptostreptococcus elsdenii flavodoxin.
J Biol Chem 248:4354-66, 25 Jun 73
AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ AUTOANALYSIS/ *BACTERIAL PROTEINS, analysis/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CRYSTALLIZATION/ CYANOGEN BROMIDE/ *FLAVOPROTEINS,

analysis/ FMN/ HYDROLYSIS/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PEPTOSTREPTOCOCCUS, analysis/ TEMPERATURE/ THERMOLYSIN/ THIOCYANATES/ TRICHLOROACETIC ACID/ TRYPSIN

3781. **Tanaka Y:** [2 cases of familial male hermaphroditism] Clin Endocrinol (Tokyo) 21:87-91, Jan 73 **(Jap)**
ADULT/ *HERMAPHRODITISM, familial & genetic/ HUMAN/ MALE/ PEDIGREE/ TESTICULAR FEMINIZATION

3782. **Tänzer A:** Die Röntgendiagnostik der Orbita im Navtivbild. Radiologe 12:397-402, Dec 72 **(Ger)**
CHILD/ EXOPHTHALMOS, etiology/ EXOPHTHALMOS, radiography/ FIBROMA, radiography/ FRONTAL SINUS, radiography/ HEMANGIOMA, diagnosis/ HEMANGIOMA, radiography/ HUMAN/ LACRIMAL APPARATUS/ LYMPHANGIOMA, pathology/ MALE/ MENINGIOMA, complications/ MENINGIOMA, radiography/ METHODS/ MIDDLE AGE/ NEURILEMMOMA, diagnosis/ *ORBIT, radiography/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, radiography/ OSSIFICATION, PATHOLOGIC/ PLASMACYTOMA, pathology/ RETINOBLASTOMA, radiography/ TOMOGRAPHY, RADIOGRAPHIC/ TRIGEMINAL NERVE

3783. **Tao M:** Rabbit red cell cyclic AMP-dependent protein kinase. I. Reversible subunit interaction. Biochem Biophys Res Commun 47:361-4, 28 Apr 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ ENZYME ACTIVATION/ *ERYTHROCYTES, enzymology/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HEAT/ KINETICS/ MACROMOLECULAR SYSTEMS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, blood/ PROTEIN BINDING/ PROTEIN DENATURATION/ PROTEIN KINASE, blood/ PROTEIN KINASE, metabolism/ RABBITS/ TRITIUM/ ULTRAFILTRATION

3784. **Tapp E, Huxley M, Davies S:** The enzyme histochemistry of the pineal gland in rats. Histochem J 5:49-56, Jan 73
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CYTOCHROME OXIDASE, analysis/ ESTERASES, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCOGEN PHOSPHORYLASE, analysis/ HISTOCYTOCHEMISTRY/ LACTATE DEHYDROGENASE, analysis/ LEUCINE AMINOPEPTIDASE, analysis/ LIPOAMIDE DEHYDROGENASE, analysis/ MICROSCOPY/ MONOAMINE OXIDASE, analysis/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, cytology/ PINEAL BODY, enzymology/ RATS/ STAINS AND STAINING/ SUCCINATE DEHYDROGENASE, analysis

3785. **Tarasov DI, Zagarskikh MG, Ababii II:** Gliukokortikoidnaia funktsiia kory nadpochechnikoc pri kompleksnom lechenii ostrykh stenoziruiushchikh laringotrakheitov u detei. Vestn Otorinolaringol 34:43-8, Jul-May 73 **(Rus)**
ACUTE DISEASE/ *ADRENAL GLANDS, physiopathology/ CHILD/ CHILD, PRESCHOOL/ CONSTRICTION/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, metabolism/ HUMAN/ LARYNGITIS, metabolism/ *LARYNGITIS, physiopathology/ MALE/ TRACHEITIS, metabolism/ *TRACHEITIS, physiopathology

3786. **Tarr GE, Fairbairn D:** Conversion of ascaroside esters to free ascarosides in fertilized eggs of Ascaris suum (nematoda). J Parasitol 59:428-33, Jun 73
ANIMAL EXPERIMENTS/ ASCARIS, analysis/ *ASCARIS, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTERS, metabolism/ FEMALE/ FERTILIZATION/ GLYCERIN/ GLYCOSIDES, analysis/ GLYCOSIDES, biosynthesis/ *GLYCOSIDES, meta
LIPIDS, analysis/ OVARY, metabo
analysis/ *OVUM, metabolism/ PE

3787. **Tarr GE, Fairbairn D:** Glycerides, waxes ovaries of Ascaris lumbricoides (N Lipids 8:303-10, May 73
ANIMAL EXPERIMENTS/ *ASCA
metabolism/ CHOLESTEROL, meta
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAY
metabolism/ FATTY ACIDS, meta
FATTY ACIDS, NONESTERIFIED,
FATTY ACIDS, VOLATILE, meta
FATTY ALCOHOLS, metabolism/
GLYCERIDES, isolation & purific
*GLYCERIDES, metabolism/ LIPI
& purification/ LIPIDS, metaboli
metabolism/ SITOSTEROLS, meta
*STEROLS, metabolism/ STIGMAS
metabolism/ TRIGLYCERIDES, is
purification/ TRIGLYCERIDES, m
WAXES, isolation & purification/
metabolism

3788. **Tarsoly E, Bucher O:** Histologische enzymhistochemische Untersuchung Epiphysenknorpels von Ratten nach Calcitoninverabreichung. Acta Histochem (Jena) 45:10-20,
ALKALINE PHOSPHATASE, anal
ANIMAL EXPERIMENTS/ BODY
CARTILAGE, analysis/ *CARTILA
effects/ CARTILAGE, enzymolog
CARTILAGE, pathology/ ENGLIS
ABSTRACT/ EPIPHYSES, patholo
GLUCOSEPHOSPHATE DEHYDRO
analysis/ HISTOCYTOCHEMISTRY
ISOCITRATE DEHYDROGENASE,
LACTATE DEHYDROGENASE, a
MALATE DEHYDROGENASE, an
MUCOPOLYSACCHARIDES, analy
OSTEOCLASTS, enzymology/ RA
SUCCINATE DEHYDROGENASE,
*THYROCALCITONIN, pharmaco

3789. **Tarsoly E, Mateescu P:** Histologic enzymhistochemische Untersuchung Wirkung langdauernder Testostero auf den Epiphysenknorpel bei R Acta Chir Acad Sci Hung 13:403-
ANIMAL EXPERIMENTS/ CART
ARTICULAR, analysis/ *CARTIL
ARTICULAR, drug effects/ CAR
ARTICULAR, enzymology/ ENGI
ABSTRACT/ *EPIPHYSES, drug
EPIPHYSES, enzymology/
HISTOCYTOCHEMISTRY/ LONG
OXIDOREDUCTASES, metabolism
*TESTOSTERONE, pharmacodyna

3790. **Tartara R:** Un caso di sindrome di Rub Minerva Pediatr 25:326-8, 10 Mar
*ABNORMALITIES, MULTIPLE,
*BONE AND BONES, abnormalit
abnormalities/ HUMAN/ INFAN
MENTAL RETARDATION/ SYN

3791. **Tashima CK, Lee WY, Leong A:** Agenes JAMA 224:1761-2, 25 Jun 73
ADULT/ FEMALE/ HUMAN/ R
SCANNING/ *THYROID GLAND
abnormalities/ THYROID GLAN
TESTS

3792. **Tashjian AH Jr, Weintraub BD, Bar** Subunits of human chorionic go unbalanced synthesis and secretio strains derived from a bronchog Proc Natl Acad Sci USA 70:141
*CARCINOMA, BRONCHOGENIC
CELLS, CULTURED/ CLONE C
GONADOTROPINS, CHORIONIC
GONADOTROPINS, CHORIONIC
*GONADOTROPINS, CHORIONI
GONADOTROPINS, CHORIONIC
HORMONES, ECTOPIC, analysis
ECTOPIC, biosynthesis/ *HORM
ECTOPIC, metabolism/ HUMAN
KARYOTYPING/ *LUNG NEOP

LIBRARY U. OF

metabolism/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY

man-Jones C: Constipation: pathogenesis and anagement. Drugs 5:220-6, 1973 AUTONOMIC NERVOUS SYSTEM, physiopathology/ CATHARTICS, adverse effects/ CATHARTICS, therapeutic use/ COLON, microbiology/ COLON, physiopathology/ *CONSTIPATION/ CONSTIPATION, drug therapy/ CONSTIPATION, etiology/ CONSTIPATION, physiopathology/ CONSTIPATION, therapy/ DIET/ FECES/ FOOD/ HORMONES, secretion/ HUMAN/ MUSCLE, SMOOTH, physiopathology/ OSMOTIC PRESSURE/ STRESS, physiopathology

evossian A: Effect of parathyroid extract on blood cium and osteoclast count in mice. lcif Tissue Res 11:251-7, 12 Mar 73 AGE FACTORS/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CELL COUNT/ FEMUR/ HYPERCALCEMIA/ INJECTIONS, INTRAVENOUS/ METHODS/ MICE/ OSTEOCLASTS/ OSTEOCLASTS, enzymology/ *PARATHYROID GLANDS/ SUCCINATE DEHYDROGENASE/ TIME FACTORS/ *TISSUE EXTRACTS, pharmacodynamics

ber AI, Kaliner M, Stechschulte DJ, et al: mmunologic release of histamine and slow reacting bstance of anaphylaxis from human lung. V. Effects prostaglandins on release of histamine. Immunol 111:27-32, Jul 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANTIGENS/ GUINEA PIGS/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ *LUNG, immunology/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *SRS-A, metabolism/ TIME FACTORS

čkovski I, Dimkova Lj: Sogleduvanja za primenata kortikosteroidite vo lekuvanjeto na inflamatornite stojvi vo i okolu zabot. d Zb Med Fak Skopje 18:407-11, 1972 (Ser) ANTIBIOTICS, therapeutic use/ *DENTAL PULP DISEASES, drug therapy/ *DEXAMETHASONE, therapeutic use/ HUMAN/ INFLAMMATION, drug therapy

il E, Simard R, Méthot Y: L'addition de la ogestérone à la radiothérapie dans le cancer de ndomètre. ion Med Can 102:83-4, Jan 73 (Fre) ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ *ADENOCARCINOMA, therapy/ CESIUM, therapeutic use/ COMPARATIVE STUDY/ ENDOMETRIUM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PROGESTERONE, therapeutic use/ RADIUM, therapeutic use/ UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, radiotherapy/ *UTERINE NEOPLASMS, therapy

ler JH: Replication of DNA in mammalian romosomes: isolation of replicating segments. oc Natl Acad Sci USA 70:1083-7, Apr 73 BROMODEOXYURIDINE, pharmacodynamics/ CARBON ISOTOPES/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMOSOMES, metabolism/ *DNA, isolation & purification/ *DNA REPLICATION/ FEMALE/ FLUORODEOXYURIDINE, pharmacodynamics/ HAMSTERS/ NUCLEIC ACID DENATURATION/ OVARY/ TEMPLATES/ THYMIDINE, metabolism/ TRITIUM

ler MC, Coulson L, Phillips GC: Observation of ionic x-rays from bone. Radiat Res 54:335-42, Jun 73 *ACTIVATION ANALYSIS/ *BONE AND BONES, analysis/ CALCIUM, analysis/ CATTLE/ ELEMENTARY PARTICLES/ FEMUR, analysis/ METHODS/ PHOSPHORUS, analysis

3800. **Tchicaloff M:** Epilepsie et atteinte périnatale. Rev Med Suisse Romande 93:51-8, Jan 73 (Fre) ADOLESCENCE/ ANOXEMIA, complications/ BARBITURATES, therapeutic use/ *BIRTH INJURIES, complications/ BRAIN DISEASES, complications/ CEREBRAL HEMORRHAGE, complications/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeutic use/ DIPHENYLHYDANTOIN, therapeutic use/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, drug therapy/ *EPILEPSY, etiology/ FEMALE/ FETAL DISEASES, complications/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MENTAL RETARDATION, etiology/ MOVEMENT DISORDERS, etiology/ PLACENTA DISORDERS, complications/ PREGNANCY/ VIRUS DISEASES, complications

3801. **Tedeschi CG:** Circadian challenges in "quality control". Biochemical rhythms and spacial phenomena. Hum Pathol 4:281-7, Jun 73 (38 ref.) ANDROGENS, blood/ ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ BLOOD VOLUME/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM/ COLLOIDS, analysis/ CREATININE, urine/ DARKNESS/ ENVIRONMENTAL EXPOSURE/ GEOGRAPHY/ HUMAN/ HYPOCALCEMIA/ LIGHT/ PERIODICITY/ POTASSIUM, urine/ QUALITY CONTROL/ RADIATION/ REVIEW/ SEASONS/ SODIUM, urine/ WATER, analysis

3802. **Téllez De Inón MT, Torres HN:** Regulation of glycogen phosphorylase a phosphatase in Neurospora crassa. Biochim Biophys Acta 297:399-412, 28 Feb 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ ENZYME ACTIVATION/ ENZYMES/ GEL FILTRATION/ GLYCOGEN PHOSPHORYLASE/ *GLYCOGEN PHOSPHORYLASE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ *NEUROSPORA, enzymology/ NEUROSPORA CRASSA, enzymology/ *PHOSPHATASES, metabolism/ PHOSPHORUS ISOTOPES/ TIME FACTORS

3803. **Tempel K, Jähde H:** Regeneration von Mäusenieren nach Schädigung durch Folsäure unter dem Einfluss von Ganzkörper-Röntgenbestrahlung, 2,4,6-Triäthylenimino-s-triazin und Polyanionen. Arzneim Forsch 22:2126-8, Dec 72 (Ger) ANIMAL EXPERIMENTS/ DACTINOMYCIN, pharmacodynamics/ DNA, analysis/ DNA, biosynthesis/ DNA, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FOLIC ACID, pharmacodynamics/ KIDNEY, analysis/ KIDNEY, drug effects/ KIDNEY, metabolism/ *KIDNEY, radiation effects/ MICE/ POLYSACCHARIDES, pharmacodynamics/ POLYVINYLS, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ PROTEINS, analysis/ PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RADIATION/ *RADIATION EFFECTS/ REGENERATION, drug effects/ *REGENERATION, radiation effects/ TRIAZINES, pharmacodynamics

3804. **Tennyson VM, Cohen G, Mytilineou C, et al:** 6,7-Dihydroxytetrahydroisoquinoline: electron microscopic evidence for uptake into the amine-binding vesicles in sympathetic nerves of rat iris and pineal gland. Brain Res 51:161-9, 15 Mar 73 ANIMAL EXPERIMENTS/ IN VITRO/ *IRIS, innervation/ *ISOQUINOLINES, metabolism/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ *PINEAL BODY, innervation/ RATS/ *RECEPTORS, ADRENERGIC, analysis/ RESERPINE, pharmacodynamics

3805. **Teotia M, Teotia SP:** Rickets precipitated by anticonvulsant drugs in a child receiving prophylactic

vitamin D. Am J Dis Child 125:850-2, Jun 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CALCIUM, therapeutic use/ CASE REPORT/ *DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, therapeutic use/ EPILEPSY, complications/ *EPILEPSY, drug therapy/ FEMALE/ ILIUM, pathology/ *PHENOBARBITAL, adverse effects/ PHENOBARBITAL, therapeutic use/ PHOSPHORUS, blood/ *RICKETS, chemically induced/ RICKETS, drug therapy/ RICKETS, pathology/ VITAMIN D, administration & dosage/ *VITAMIN D, therapeutic use

3806. **Tesk JA, Widera O:** Stress distribution in bone arising from loading on endosteal dental implants.
J Biomed Mater Res 7:251-61, 1973
*ABUTMENTS, DENTAL/ ANIMAL EXPERIMENTS/ *BONE AND BONES, physiology/ *DENTAL IMPLANTATION/ DENTAL PINS/ DENTAL PROSTHESIS DESIGN/ STRESS, MECHANICAL

3807. **Testart J, Ténière P:** Traitement chirurgical des hyperparathyroïdies primaires.
Sem Hop Paris 49:23-6, Jan 73 **(Fre)**
ADENOMA, surgery/ HUMAN/ *HYPERPARATHYROIDISM, surgery/ PARATHYROID NEOPLASMS, surgery

3808. **Thadani U:** Rheumatoid lung disease with pulmonary fibrosis necrobiotic nodules and pleural effusion.
Br J Dis Chest 67:146-52, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ EPITHELIUM, pathology/ HUMAN/ INFLAMMATION, pathology/ LUNG, pathology/ *LUNG DISEASES, complications/ LUNG DISEASES, diagnosis/ LUNG DISEASES, pathology/ MALE/ NECROSIS, complications/ *PLEURAL EFFUSION, complications/ PLEURAL EFFUSION, radiography/ *PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography

3809. **Tharanne MJ, Moraine C:** Comportement du muscle lisse après transplantation intratesticulaire chez le rat. C R Soc Biol (Paris) 166:423-5, 9 Nov 72 **(Fre)**
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ DENERVATION/ DUODENUM/ FEMALE/ MALE/ MUSCLE, SMOOTH, innervation/ *MUSCLE, SMOOTH, transplantation/ RATS/ *TESTIS/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS

3810. **Thaxton P, Siegel HS:** Modification of high temperature and ACTH induced immunodepression by metyrapone. Poult Sci 52:618-24, Mar 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION, drug effects/ *CHICKENS, immunology/ CHOLESTEROL, blood/ CORTICOSTERONE, blood/ *CORTICOTROPIN, pharmacodynamics/ ENVIRONMENT, CONTROLLED/ ENVIRONMENTAL EXPOSURE/ ERYTHROCYTES, immunology/ *HEAT/ HEMAGGLUTINATION TESTS/ *IMMUNOSUPPRESSION/ MALE/ *METYRAPONE, pharmacodynamics/ SHEEP, immunology/ TIME FACTORS

3811. **Theogaraj SD:** On management of intersexual anomalies. Plast Reconstr Surg 51:632-40, Jun 73
ADOLESCENCE/ ADULT/ BREAST, surgery/ CASTRATION/ CHILD/ CLITORIS, surgery/ FEMALE/ GENITALIA, anatomy & histology/ HUMAN/ KARYOTYPING/ MALE/ NEUROFIBROMA, surgery/ PELVIC NEOPLASMS, surgery/ *PSEUDOHERMAPHRODITISM, surgery/ ROLE/ SEX DETERMINATION/ SURGERY, PLASTIC/ URETHRA, surgery/ VAGINA, surgery

3812. **Therminarias A, Chirpaz MF, Tanche M:** I
hormones thyroïdiennes sur l'effet ther
de l'adrenaline chez le chien
médullosurrénalectomisé.
J Physiol (Paris) 65:Suppl 3:510A,
ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXP *BODY TEMPERATURE REGULAT effects/ DOGS/ DRUG SYNERGISM *EPINEPHRINE, pharmacodynamics, GLAND, physiology/ THYROIDECT *THYROXINE, pharmacodynamics

3813. **Theve NO:** Fat necrosis. Studies in experimentally induced pancreatitis.
Acta Chir Scand [Suppl] 434:1-15,
*ADIPOSE TISSUE, metabolism/ A EXPERIMENTS/ CALCIUM, metab CHOLESTEROL, blood/ COMMON DUCT/ EPIDIDYMIS/ FATTY ACI NONESTERIFIED, blood/ GLUCOS pharmacodynamics/ INSULIN, pharmacodynamics/ LIPIDS, metab MALE/ MICROSCOPY, ELECTRON *NECROSIS/ PANCREATITIS, cher induced/ *PANCREATITIS, metabo PROPRANOLOL, pharmacodynamic TAUROCHOLIC ACID/ TRIGLYCE blood

3814. **Theve NO, Hallberg D, Carlström A:** S
necrosis. I. Lipolysis and calcium conte
tissue from rats with experimentally
necrosis. Acta Chir Scand 139:131-
*ADIPOSE TISSUE, metabolism/ A EXPERIMENTS/ *CALCIUM, meta EPIDIDYMIS, metabolism/ GLYCE metabolism/ *LIPIDS, metabolism/ *NECROSIS, chemically induced/ PANCREATIC DUCTS/ PANCREA metabolism/ RATS/ TAUROCHOLI

3815. **Thi L, Baulieu EE, Milgrom E:** Régu
progestérone de la concentration de s
utérins.
C R Acad Sci [D] (Paris) 276:2281-4, 9
ANIMAL EXPERIMENTS/ CASTR CELL NUCLEUS, drug effects/ C drug effects/ CYTOSOL, drug eff ESTRADIOL, pharmacodynamics/ pharmacodynamics/ ESTRUS/ FEM GUINEA PIGS/ *PROGESTERONE pharmacodynamics/ *RECEPTORS, drug effects/ TIME FACTORS/ U cytology/ *UTERUS, drug effects

3816. **Thiele J, Reale E, Georgii A:** Elektroner
Befunde an Epithelkörperadenomen
unteschiedlicher endokriner Aktivit
Virchows Arch [Zellpathol] 12:168-88,
ADENOMA, metabolism/ *ADENO pathology/ CELL MEMBRANE/ E RETICULUM/ ENGLISH ABSTRA FEMALE/ GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ MIDI MITOCHONDRIA/ PARATHYROID secretion/ PARATHYROID NEOP metabolism/ *PARATHYROID NE pathology

3817. **Thiessen DD, Yahr PI, Owen K:** Regulato
of territorial marking in the Mon
J Comp Physiol Psychol 82:382-93
AMYGDALOID BODY, drug effec EXPERIMENTS/ *BRAIN, drug e CASTRATION/ CAUDATE NUCL effects/ DACTINOMYCIN, pharm GERBILS/ HIPPOCAMPUS, drug HYPOTHALAMUS, drug effects/ PEMOLINE COMPOUNDS, pharm PROPIONATES/ PUROMYCIN, pharmacodynamics/ RETICULAR drug effects/ RIBONUCLEASE, pharmacodynamics/ SEPTUM PE drug effects/ STEREOTAXIC TE *TERRITORIALITY/ *TESTOSTE pharmacodynamics

3818. **Thilly CH, Delange F, Goistein-Golaire J**
goiter prevention by iodized oil: a

LIBRARY U OF I

Clin Endocrinol Metab 36:1196-204, Jun 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
CHILD/ CHILD, PRESCHOOL/ FEMALE/
GOITER, ENDEMIC, metabolism/ GOITER,
ENDEMIC, occurrence/ *GOITER, ENDEMIC,
prevention & control/ HUMAN/ INFANT/
INFANT, NEWBORN/ IODINE, metabolism/
IODINE, urine/ IODINE ISOTOPES/ *IODIZED
OILS, therapeutic use/ MALE/ SEX
FACTORS/ THYROID GLAND FUNCTION
TESTS/ THYROTROPIN, blood/ THYROXINE,
blood/ TIME FACTORS/ ZAIRE

...napandha A: Substrate specificity and
...erogeneity of N-methyltransferases.
...chem Biophys Res Commun 47:301-8, 28 Apr 72
AMINES/ ANIMAL EXPERIMENTS/ BRAIN,
...nzymology/ CALORIMETRY/ CATS/
CHICKENS/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ DRUG STABILITY/
GUINEA PIGS/ HEAT/ HISTAMINE/
HYDROGEN-ION CONCENTRATION/
INDOLES/ INTESTINAL MUCOSA,
...nzymology/ *ISOENZYMES, metabolism/
KINETICS/ LUNG, enzymology/ MALE/
METHYLTRANSFERASES, metabolism/
RABBITS/ SEROTONIN/ SPECIES
SPECIFICITY/ TRYPTAMINES

...olet J, Pellerat J, Perrot H, et al: Mycoses cutanées
...ypercorticisme (maladie et syndrome de Cushing.
...l Soc Fr Dermatol Syphiligr 79:541-4, 1972 (Fre)
ADRENAL GLANDS, surgery/ ADULT/
CUSHING'S SYNDROME, complications/
CUSHING'S SYNDROME, surgery/ FEMALE/
HUMAN/ MALE/ *TINEA, complications/
TINEA, therapy/ *TINEA VERSICOLOR,
complications/ TINEA VERSICOLOR, therapy

...mas EW, Murad F, Looney WB, et al: Adenosine
...'-monophosphate and guanosine
...'-monophosphate: concentrations in Morris
...patomas of different growth rates.
...chim Biophys Acta 297:564-7, 28 Feb 73
ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, ION
EXCHANGE/ *GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ *HEPATOMA,
metabolism/ LIVER, analysis/ *LIVER
NEOPLASMS, metabolism/ MALE/ NEOPLASM
TRANSPLANTATION/ RATS/ TRITIUM

...mas FB, Caldwell JH, Greenberger NJ: Steatorrhea
...thyrotoxicosis. Relation to hypermotility and
...cessive dietary fat.
...n Intern Med 78:669-75, May 73
ADULT/ AGED/ CALCIUM, blood/ *DIETARY
FATS/ FECES, analysis/ FEMALE/
GASTROINTESTINAL MOTILITY/
GASTROINTESTINAL MOTILITY,
drug effects/ GUANETHIDINE,
pharmacodynamics/ HUMAN/
HYPERTHYROIDISM, complications/
HYPERTHYROIDISM, radiotherapy/
INTESTINAL ABSORPTION/ IODINE
ISOTOPES, therapeutic use/ IRON, blood/
LACTOSE INTOLERANCE/ LIPIDS,
metabolism/ MALE/ MIDDLE AGE/
PROPRANOLOL, pharmacodynamics/
PROTHROMBIN TIME/ *SPRUE, etiology/
VITAMIN B 12, metabolism/ XYLOSE,
metabolism

...mas MR, Calaresu FR: Hyppothalamic inhibition of
...emoreceptor-induced bradycardia in the cat.
...n J Physiol 225:201-8, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CAROTID BODY, physiology/
CATS/ CEREBRAL CORTEX
DECORTICATION/ *CHEMORECEPTORS,
physiology/ CHORDOTOMY/ CYANIDES,
pharmacodynamics/ ELECTRIC STIMULATION/
*HEART RATE, drug effects/
*HYPOTHALAMUS, physiology/
PROPRANOLOL, pharmacodynamics/
VAGOTOMY/ VAGUS NERVE, physiology

...mas PJ: Steroid hormones and their receptors.
...Endocrinol 57:333-59, May 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CASTRATION/ CATTLE/ ESTRADIOL,
metabolism/ ESTRUS/ FEMALE/
GLUCOCORTICOIDS, metabolism/ GUINEA
PIGS/ HYPOTHALAMUS, metabolism/ LIVER,
metabolism/ MALE/ PITUITARY GLAND,
metabolism/ PROGESTERONE, metabolism/
PROSTATE, metabolism/ RATS/ RECEPTORS,
ADRENERGIC/ *RECEPTORS, HORMONE/
*SEX HORMONES/ TESTOSTERONE,
metabolism/ UTERUS, metabolism

3825. **Thomas-Morvan C, Nataf BM, Tubiana M:** Thyroid proteins and hormone synthesis in various benign thyroid diseases: in vivo and organ culture studies.
Acta Endocrinol (Kbh) 73:22-34, May 73
ADENOMA, metabolism/ ALBUMINS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GOITER, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ IN VITRO/ IODINE, analysis/ IODINE ISOTOPES/ *IODOPROTEINS, metabolism/ ORGAN CULTURE/ PROTEIN-BOUND IODINE TEST/ *THYROGLOBULIN, metabolism/ *THYROID DISEASES, metabolism/ THYROID GLAND/ *THYROID HORMONES, biosynthesis/ THYROIDITIS, LYMPHOMATOUS, metabolism/ ULTRACENTRIFUGATION

3826. **Thommes RC, Hajek AS, McWhinnie DJ:** The influence of "hypophysectomy" by means of surgical decapitation on skeletal growth in the developing chick embryo.
J Embryol Exp Morphol 29:503-13, Jun 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, embryology/ BONE AND BONES, metabolism/ CALCIUM, analysis/ *CALCIUM, metabolism/ *CHICK EMBRYO, growth & development/ CHICK EMBRYO, metabolism/ HYPOPHYSECTOMY/ OSTEOGENESIS/ *PITUITARY GLAND, metabolism/ TIBIA, embryology

3827. **Thompson IE, Arfania J, Taymor ML:** Effects of estrogen and progesterone on pituitary response to stimulation by luteinizing hormone-releasing factor.
J Clin Endocrinol Metab 37:152-5, Jul 73
*AMENORRHEA, drug therapy/ ESTRADIOL, blood/ *ESTRADIOL, therapeutic use/ FSH, blood/ HUMAN/ *LH/ LH, blood/ MALE/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PROGESTERONE, blood/ *PROGESTERONE, therapeutic use

3828. **Thompson NW, Olsen WR, Hoffman GL:** The continuing development of the technique of thyroidectomy. Surgery 73:913-27, Jun 73
HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPOPARATHYROIDISM, etiology/ LARYNGEAL NERVES, injuries/ *POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ *THYROIDECTOMY/ THYROIDECTOMY, adverse effects/ THYROIDECTOMY, history/ UNITED STATES

3829. **Thompson WH, Leaver DD:** Udder lesions in cows associated with intramammary infusion of chlortetracycline preparations during the dry period.
Aust Vet J 48:588-92, Nov 72
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, chemically induced/ CATTLE DISEASES, pathology/ CHLORTETRACYCLINE, administration & dosage/ *CHLORTETRACYCLINE, adverse effects/ FEMALE/ GRANULOMA, chemically induced/ GRANULOMA, pathology/ GRANULOMA, veterinary/ LACTATION/ PREGNANCY/ SHEEP/ SHEEP DISEASES, chemically induced/ SHEEP DISEASES, pathology/ *UDDER/ UDDER, pathology

3830. **Thomson DF, Campbell D:** Changes in arterial oxygen tension during one-lung anaesthesia.
Br J Anaesth 45:611-6, Jun 73
ADULT/ AGED/ *ANESTHESIA, GENERAL/

ANESTHETICS/ BLOOD/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ ESOPHAGOGASTRIC JUNCTION, surgery/ ESOPHAGUS, surgery/ FEMALE/ HEART RATE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KETONES/ *LUNG, surgery/ MALE/ MIDDLE AGE/ *OXYGEN, blood/ PNEUMONECTOMY/ PREGNANES

3831. **Thomson JP**: Parotid duct calculus.
Proc R Soc Med 66:352-3, Apr 73
CALCIUM, metabolism/ FEMALE/ HUMAN/ MIDDLE AGE/ *PAROTID GLAND, surgery/ *SALIVARY DUCT CALCULI, surgery/ SIALOGRAPHY

3832. **Thorell JI, Adielsson G**: Antidepressive effects of electroconvulsive therapy and thyrotrophin-releasing hormone. Lancet 819:43, 7 Jul 73
*DEPRESSION, therapy/ HUMAN/ *SHOCK THERAPY, ELECTRIC/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, secretion

3833. **Thorndike J, Trigg MJ, Stockert R, et al**: Multiple biochemical effects of a series of x-ray induced mutations at the albino locus in the mouse.
Biochem Genet 9:25-39, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALBINISM, enzymology/ *ALBINISM, familial & genetic/ ALBINISM, veterinary/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, analysis/ BUTYRATES, pharmacodynamics/ CARBOXY-LYASES, analysis/ CYTOCHROME REDUCTASES, analysis/ ESTERASES, analysis/ FEMALE/ FETUS, drug effects/ FETUS, enzymology/ *GENETICS, BIOCHEMICAL/ GLUCAGON, pharmacodynamics/ GLUCOSEPHOSPHATASE, analysis/ HETEROZYGOTE/ HOMOZYGOTE/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MICE/ MUTATION/ NUCLEOTIDASES, analysis/ PREGNANCY/ PYRUVATES/ *RADIATION/ TYROSINE AMINOTRANSFERASE, analysis

3834. **Thorngren KG, Hansson LI, Menander-Sellman K, et al**: Effect of hypophysectomy on longitudinal bone growth in the rat.
Calcif Tissue Res 11:281-300, 30 Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BONE DEVELOPMENT/ FEMALE/ FLUORESCENCE/ *HYPOPHYSECTOMY/ MICROSCOPY, FLUORESCENCE/ RATS/ TETRACYCLINE/ TIBIA/ TIME FACTORS

3835. **Thornton EW, Van-Toller C**: Effect of immunosympathectomy on operant heart rate conditioning in the curarised rat.
Physiol Behav 10:197-201, Feb 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CONDITIONING, OPERANT/ ELECTROSHOCK/ GANGLIA, AUTONOMIC, anatomy & histology/ *GANGLIA, AUTONOMIC, drug effects/ GANGLIA, AUTONOMIC, physiology/ *HEART RATE/ *IMMUNE SERUMS, pharmacodynamics/ NERVE GROWTH FACTOR/ ORGAN WEIGHT/ PROBABILITY/ RATS/ REINFORCEMENT SCHEDULE/ SUBMANDIBULAR GLAND/ TUBOCURARINE, pharmacodynamics

3836. **Tiepolo L, Zuffardi O**: Identification of normal and abnormal chromosomes in tumor cells.
Cytogenet Cell Genet 12:8-16, 1973
*ADENOCARCINOMA, familial & genetic/ ASCITIC FLUID, cytology/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ FEMALE/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ *OVARIAN NEOPLASMS, familial & genetic

3837. **Tima L, Trentini GP, Mess B**: Effect of serotonin on ovulation induced by pinealectomy in anovulatory frontal-deafferented rats.
Neuroendocrinology 12:149-52, 1973
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ *FRONTAL LOB physiology/ LH, secretion/ *OVULA effects/ *PINEAL BODY, physiolog *SEROTONIN, pharmacodynamics

3838. **Tingari MD**: Histochemical localization -hydroxysteroid dehydrogenases in reproductive tract of the domestic domesticus). Histochem J 5:57-65, ANIMAL EXPERIMENTS/ CHICKE DEHYDROEPIANDROSTERONE/ E anatomy & histology/ *GENITALIA anatomy & histology/ GENITALIA, cytology/ GENITALIA, MALE, enz HISTOCYTOCHEMISTRY/ HYDROXYPREGNENOLONE/ *HYDROXYSTEROID DEHYDROGE analysis/ LEYDIG CELLS, enzymol MICROSCOPY/ PREGNENOLONE/ VESICLES, enzymology/ TESTIS, histology/ VAS DEFERENS, anato histology

3839. **Tinker DO, Schwartz HJ, Osmond DH, et** phospholipids and the question of re
Can J Biochem 51:863-75, Jun 73
ANGIOTENSIN, pharmacodynamics EXPERIMENTS/ BLOOD PRESSUR effects/ BRAIN/ CATTLE/ CEPHA isolation & purification/ CHROMA CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYE DEPRESSION, CHEMICAL/ DOGS/ YOLK/ ELECTROPHORESIS, PAP KIDNEY/ KIDNEY, drug effects/ metabolism/ LECITHINS, isolation purification/ LIVER/ MALE/ PHO analysis/ *PHOSPHOLIPIDS, meta RATS/ *RENIN, antagonists & inh SILICA/ SPECTROPHOTOMETRY,

3840. **Tkachenko SS**: O prichinakh oslo zhnen gidrokortizonom nekotorykh zabole konechnostei.
Vestn Khir 108:100-2, Oct 72
BURSITIS, drug therapy/ ENGLIS ABSTRACT/ HIP JOINT/ HUMAN HYDROCORTISONE, administratio *HYDROCORTISONE, adverse eff HYDROCORTISONE, therapeutic INJECTIONS, INTRA-ARTICULAR JOINT/ OSTEITIS, drug therapy/ OSTEOARTHRITIS, drug therapy/ *PHLEGMON/ SHOULDER/ TEND therapy

3841. **Toccafondi RS, Sufi SB**: Thyroid horm the anterior pituitary gland.
Horm Metab Res 5:62, Jan 73
ANIMAL EXPERIMENTS/ CYTOS metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IODINE PITUITARY GLAND, cytology/ GLAND, metabolism/ PITUITARY secretion/ RADIOLIGAND ASSAY RECEPTORS, HORMONE/ SWINE THYROTROPIN, secretion/ *THY metabolism/ *TRIIODOTHYRONIN metabolism

3842. **Tochilin VI**: Gomotransplantatsiia shchitovidno-parashshitovidnogo ko miksedeme.
Khirurgiia (Mosk) 48:20-4, Sep 72
ADULT/ ENGLISH ABSTRACT/ *HYPOPARATHYROIDISM, thera MIDDLE AGE/ *MYXEDEMA, th *PARATHYROID GLANDS, trans *THYROID GLAND, transplantati TRANSPLANTATION, HOMOLOG

3843. **Tochilin VI**: Nekotorye voprosy k khirurgicheskogo lecheniia zabolevan zhelezy v detskom i podrostkovo
Vestn Khir 110:67-9, Apr 73
ADOLESCENCE/ CHILD/ ENGLI ABSTRACT/ FEMALE/ GOITER, GOITER, surgery/ GOITER, NOD surgery/ HUMAN/ HYPERTHYR diagnosis/ HYPERTHYROIDISM,

LIBRARY U. OF I. MEDICAL CENTER

YPERTHYROIDISM, surgery/
OSTOPERATIVE COMPLICATIONS/
THYROID DISEASES/ THYROID DISEASES,
iagnosis/ THYROID DISEASES, surgery/
HYROIDECTOMY

M, Gambarelli D, Pellissier JF, et al: Myopathie
érimentale induite par la cortisone. Etude
tologique, histochimiqaue et ultrastructurale.
Anat Pathol (Paris) 18:67-90, Jan-Mar 73 (Fre)
NIMAL EXPERIMENTS/ BIOPSY/ BODY
EIGHT/ *CORTISONE/ DIAPHRAGM,
athology/ DISEASE MODELS, ANIMAL/
NGLISH ABSTRACT/ GLYCOGEN,
etabolism/ *HYDROCORTISONE/ LIPIDS,
etabolism/ MICROSCOPY/ MICROSCOPY,
LECTRON/ MUSCLES, metabolism/
USCLES, pathology/ MUSCULAR ATROPHY,
hemically induced/ MUSCULAR DISEASES,
hemically induced/ MUSCULAR DISEASES,
nzymology/ *MUSCULAR DISEASES,
athology/ NECROSIS/ PARALYSIS,
hemically induced/ RABBITS

S, Mochizuki M, Morikawa H, et al: [Phadebas hCS
kit]
Endocrinol (Tokyo) 21:79-85, Jan 73 (Jap)
OMPARATIVE STUDY/ FEMALE/ HUMAN/
MMUNE SERUMS/ IODINE ISOTOPES/
ETHODS/ *PLACENTAL LACTOGEN, blood/
REGNANCY/ RADIOIMMUNOASSAY

do SP, Coelho-Neto AS, Assis LM, et al: Tumor
lizante de supra-renal com elevação limítrofe dos
eis de 17-cetosteróides urinários.
Assoc Med Bras 19:21-4, Jan 73 (Por)
ADENOMA, VIRILIZING, urine/ *ADRENAL
LAND NEOPLASMS, urine/ CHILD,
RESCHOOL/ ENGLISH ABSTRACT/
EMALE/ HUMAN/ *17-KETOSTEROIDS, urine

an EL, Schworer CM, Jefferson LS: Effects of
ophysectomy on amino acid metabolism and
coneogenesis in the perfused rat liver.
Biol Chem 248:4552-60, 10 Jul 73
MINO ACIDS, blood/ *AMINO ACIDS,
etabolism/ ANIMAL EXPERIMENTS/
IOLOGICAL TRANSPORT/ BLOOD SUGAR,
nalysis/ CARBON DIOXIDE, metabolism/
ARBON ISOTOPES/ DRUG SYNERGISM/
GLUCONEOGENESIS/ GLUCONEOGENESIS,
rug effects/ HYPOPHYSECTOMY/ LIVER,
rug effects/ *LIVER, metabolism/ LIVER
LYCOGEN, metabolism/ MALE/ PERFUSION/
PITUITARY GLAND, physiology/ RATS/
NA, metabolism/ SOMATOTROPIN,
harmacodynamics/ THYROXINE,
harmacodynamics/ UREA, biosynthesis/
REA, blood

asi V, Béthy A, Trevisani A: Soluble and
mbrane-bound adenylate cyclase activity in
hida ascites hepatoma.
Sci [II] 12:145-50, 22 Feb 73
ADENYL CYCLASE, metabolism/ ANIMAL
XPERIMENTS/ CARBON ISOTOPES/ CELL
EMBRANE, enzymology/ CENTRIFUGATION,
ENSITY GRADIENT/ EPINEPHRINE,
harmacodynamics/ FLUORIDES,
harmacodynamics/ GLUCAGON,
harmacodynamics/ *HEPATOMA, enzymology/
EPATOMA, pathology/ LIVER, cytology/
LIVER, enzymology/ *LIVER NEOPLASMS,
etabolism/ MALE/ MICROSCOPY,
LECTRON/ NEOPLASMS, EXPERIMENTAL/
ROTEIN BINDING/ RATS/ SOLUBILITY/
UBCELLULAR FRACTIONS, enzymology/
IME FACTORS

ilina LI: Rol' peryferilnoho ta tsentral'-noho
nponentiv u biokhimichnomu mekhanizmi dii
elinu.
Biokhim Zh 45:208-11, Mar-Apr 73 (Ukr)
MIDES, analysis/ AMMONIA, analysis/
NIMAL EXPERIMENTS/ BIOCHEMISTRY/
RAIN CHEMISTRY/ BRAIN STEM, analysis/
OGS/ ENGLISH ABSTRACT/ GLUTAMINE,
nalysis/ INJECTIONS, INTRAVENOUS/
ACTATES, analysis/ *LOBELINE,
harmacodynamics/ METHODS/
NOREPINEPHRINE, analysis/ SEROTONIN,
analysis

3850. Tomiyama A, Takayanagi I, Takagi K: Relaxation of intestinal smooth muscle and calcium movements.
J Pharm Pharmacol 25:65-8, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ COLON, cytology/ COLON, drug effects/ *COLON, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EXTRACELLULAR SPACE, metabolism/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ PAPAVERINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ SORBITOL, pharmacodynamics/ TIME FACTORS

3851. Tomlinson S: Multiple endocrine adenomatosis and peptic ulcer. Proc R Soc Med 66:445-6, May 73
*ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADULT/ BARIUM SULFATE/ GASTRIN, blood/ HEMATEMESIS, complications/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERTENSION, drug therapy/ LAPAROTOMY/ MALE/ METHYLDOPA, therapeutic use/ *PEPTIC ULCER, complications/ PITUITARY DISEASES, complications/ *ZOLLINGER-ELLISON SYNDROME, complications

3852. Tonge DA, Oatley K: Feeding and arteriovenous differences of blood glucose in rats after injection with 2-deoxy-D-glucose and after food deprivation.
Physiol Behav 10:497-505, Mar 73
ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR/ CAROTID ARTERIES, metabolism/ DRINKING BEHAVIOR, drug effects/ *EATING, drug effects/ ETHYL ETHER/ FEMORAL VEIN, metabolism/ *FOOD DEPRIVATION/ *GLUCOSE/ GLUCOSE, administration & dosage/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ HOUSING, ANIMAL/ HUNGER/ JUGULAR VEIN, metabolism/ MALE/ RATS

3853. Toogood JH, Lefcoe NM, Buck C, et al: A clinical index of disability due to chronic asthma tested during a trial of cromolyn sodium treatment.
Chest 63:881-8, Jun 73
*ASTHMA, drug therapy/ ASTHMA, physiopathology/ *DISABILITY EVALUATION/ *DISODIUM CROMOGLYCATE, therapeutic use/ EPHEDRINE, therapeutic use/ EPINEPHRINE, therapeutic use/ HUMAN/ METHODS/ PREDNISONE, therapeutic use/ SPIROMETRY/ THEOPHYLLINE, therapeutic use

3854. Toomey K, Bartuska D: Clinical application of fluorescent staining of chromosomes.
J Am Med Wom Assoc 26:313 passim, Jun 73
ALKYLATING AGENTS/ *CHROMOSOME ABNORMALITIES, diagnosis/ FEMALE/ FLUORESCEINS/ *FLUORESCENCE/ HUMAN/ *KARYOTYPING/ MALE/ QUINACRINE/ *SEX CHROMATIN, analysis

3855. Topel DG, Wilson DG, Weiss GM, et al: Influence of phenoxybenzamine and propranolol on blood serotonin and pH, plasma cortisol and M. longissimus pH and color in swine.
J Anim Sci 36:1077-80, Jun 73
ANIMAL EXPERIMENTS/ EXERTION/ HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ MALE/ MUSCLES, analysis/ *PHENOXYBENZAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ SEROTONIN, blood/ STRESS, physiopathology/ STRESS, veterinary/ *SWINE, physiology/ SWINE DISEASES, physiopathology

3856. Torgyán S, Bihari Z, Richter P, et al: Immunfluorescens

módszer a pajzsmirigy immunopathiának diagnózisaban. Orv Hetil 114:1476-80, 24 Jun 73 (Hun)
*FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, immunology/ THYROID GLAND, immunology

3857. **Torgyán S, Bihari Z, Bánhidi L:** A humorális immunreaktivitás pajzsmirigy-vonatkozásai.
Orv Hetil 114:1356-7, 10 Jun 73 (Hun)
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ ISOANTIGENS, analysis/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, immunology/ *THYROID GLAND, immunology

3858. **Toskes PP, Smith GW, Conrad ME:** Cobalt absorption in sex-linked anemic mice.
Am J Clin Nutr 26:435-7, Apr 73
ANEMIA, HYPOCHROMIC, familial & genetic/ *ANEMIA, HYPOCHROMIC, metabolism/ APOPROTEINS, metabolism/ *COBALT, metabolism/ COBALT, urine/ COBALT ISOTOPES/ DEFICIENCY DISEASES, metabolism/ FERRITIN, metabolism/ GENES/ HEMATOCRIT/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ *IRON/ IRON, metabolism/ IRON ISOTOPES/ MICE/ PROTEIN BINDING/ SEX CHROMOSOMES/ SPECIES SPECIFICITY

3859. **Tosteson MT, Lau F, Tosteson DC:** Incorporation of a functional membrane glycoprotein into lipid bilayer membranes. Nature [New Biol] 243:112-4, 23 May 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, metabolism/ ELECTRIC CONDUCTIVITY/ *ERYTHROCYTES, metabolism/ *GLYCOPROTEINS, metabolism/ *LIPIDS/ MEMBRANE POTENTIALS/ PROTEIN BINDING/ SHEEP/ SOLUBILITY

3860. **Toth DM:** Temperature regulation and salivation following preoptic lesions in the rat.
J Comp Physiol Psychol 82:480-8, Mar 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CONDITIONING, OPERANT/ FEMALE/ HEAT/ *HYPOTHALAMUS, physiology/ PILOCARPINE, pharmacodynamics/ RATS/ SALIVA, secretion/ *SALIVATION/ SALIVATION, drug effects/ STRESS

3861. **Toullet F, Voisin GA, Nemirovsky M:** Histoimmunochemical localization of three guinea-pig spermatozoal autoantigens.
Immunology 24:635-53, Apr 73
ANIMAL EXPERIMENTS/ *ANTIGENS/ AUTOANTIGENS/ CASTRATION/ CELL MEMBRANE, immunology/ CYTOPLASMIC GRANULES, immunology/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ HEMAGGLUTINATION TESTS/ IMMUNITY/ MALE/ ORGAN SPECIFICITY/ *SPERMATOZOA, immunology/ TESTIS, immunology

3862. **Touraine JL, Revillard JP, Traeger J:** Biologie de l'infection listérienne. Influence de l'immunodépression.
Nouv Presse Med 1:2827-32, 25 Nov 72 (91 ref.) (Fre)
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ BCG VACCINATION/ CELL MIGRATION INHIBITION/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HYPERSENSITIVITY, DELAYED/ *IMMUNITY, CELLULAR/ IMMUNITY, CELLULAR, drug effects/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ *LISTERIA INFECTIONS, immunology/ LISTERIA MONOCYTOGENES/ LYMPHOCYTES, immunology/ MACROPHAGES, immunology/ MICE/ REVIEW/ SKIN TESTS

3863. **Touraine R, David D:** Les accidents vasculaires pulmonaires d'origine médicamenteuse.
Rev Tuberc Pneumol (Paris) 36:821-39, Jul-Aug 72 (Fre)
ANTICOAGULANTS, adverse effe
APPETITE DEPRESSANTS, adver
*ARTERITIS, chemically induced/
CATECHOLAMINES, adverse effe
CONTRACEPTIVES, ORAL, adver
CORTICOTROPIN, adverse effects
ABSTRACT/ FIBRINOLYTIC AGE
effects/ HUMAN/ *HYPERTENSIO
PULMONARY, chemically induced
IATROGENIC DISEASE/ LUNG D
chemically induced/ MERCURY, a
effects/ *PULMONARY EMBOLIS
induced/ TRANQUILIZING AGEN
effects

3864. **Tourian A:** Phenylalanine hydroxylase a
hepatic organ culture.
Biochim Biophys Acta 309:44-9, 5
ANIMAL EXPERIMENTS/ ENZYM
INDUCTION/ FEMALE/ FETUS/
FLUORESCENCE SPECTROMETR
HYDROCORTISONE, pharmacodyn
*LIVER, enzymology/ ORGAN CU
PHENYLALANINE HYDROXYLAS
biosynthesis/ *PHENYLALANINE
HYDROXYLASE, metabolism/ PR
RATS/ TIME FACTORS/ TYROSI
AMINOTRANSFERASE, metabolis

3865. **Tourney G, Hatfield LM:** Androgen
schizophrenics, homosexuals, and n
Biol Psychiatry 6:23-36, Feb 73
ADOLESCENCE/ ADULT/ AGE I
*ANDROGENS, metabolism/ AND
blood/ ANDROSTERONE, urine/
DISEASE/ DEHYDROEPIANDROS
blood/ ETIOCHOLANOLONE, uri
HOMOSEXUALITY, blood/ *HOM
metabolism/ HOMOSEXUALITY,
HOSPITALIZATION/ HUMAN/
17-KETOSTEROIDS, urine/ MALE
SCHIZOPHRENIA, blood/ *SCHIZ
metabolism/ SCHIZOPHRENIA, u
TESTOSTERONE, blood

3866. **Townsley JD:** Further studies on the
human placental steroid 3-sulfata
Endocrinology 93:172-81, Jul 73
ANDROSTANES, pharmacodynam
ANDROSTENES, pharmacodynami
ISOTOPES/ CHOLESTEROL, met
ESTRADIOL, pharmacodynamics/
HYDROLYSIS/ HYDROXYSTERO
pharmacodynamics/ *17-KETOSTE
metabolism/ KINETICS/ *PLACE
enzymology/ PREGNANES, meta
PREGNANES, pharmacodynamics
PROGESTERONE, pharmacodyna
STRUCTURE-ACTIVITY RELATI
*SULFATASES, antagonists & in
SULFATES, metabolism/ TRITIU

3867. **Tramu G, Dubois MP:** Identificati
immunofluorescence des cellules à
cobaye mâle.
C R Acad Sci [D] (Paris) 275:1159-61,
ANIMAL EXPERIMENTS/ CAST
CATTLE/ FEMALE/ FLUORESC
ANTIBODY TECHNIC/ GUINEA
HISTOCYTOCHEMISTRY/
HYPOTHALAMO-HYPOPHYSEAL
immunology/ IMMUNOCHEMISTI
analysis/ MALE/ METHODS/ *P
GLAND, immunology/ RABBITS/
STAINING

3868. **Transbol I, Frydendal N:** Endocrine
aspects of urology. Aetiology of stone
renal stone patients.
Acta Chir Scand [Suppl] 433:137
ACIDOSIS, RENAL TUBULAR,
ADOLESCENCE/ ADULT/ AGE
analysis/ CALCIUM, blood/ CA
*CALCIUM METABOLISM DISO
complications/ CHILD/ CREATI
FEMALE/ HUMAN/
*HYPERPARATHYROIDISM, co
*KIDNEY CALCULI, etiology/
CALCULI, familial & genetic/
CALCULI, metabolism/ KIDNEY

complications/ MALE/ *METABOLIC DISEASES, complications/ MIDDLE AGE/ PHOSPHATES, blood/ UREASE/ URETERAL CALCULI, etiology/ URIC ACID, blood/ URINARY TRACT INFECTIONS, complications

eadway RC, Forrest JE: Family planning program in ndia: an evaluation. Stud Fam Plann 4:149-56, Jun 73
ABORTION/ ABORTION, INDUCED/ ATTITUDE/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ EDUCATIONAL STATUS/ EVALUATION STUDIES/ *FAMILY PLANNING/ FEMALE/ HEALTH FACILITIES/ HUMAN/ INDIA/ INTRAUTERINE DEVICES/ MALE/ METHODS/ MOBILE HEALTH UNITS/ PARITY/ RURAL POPULATION/ STERILIZATION, TUBAL/ TIME FACTORS/ URBAN POPULATION/ VASECTOMY

edway DR, Mishell DR Jr: Therapeutic abortion of arly human gestation with vaginal suppositories of rostaglandin (F 2 .).
m J Obstet Gynecol 116:795-8, 15 Jul 73
*ABORTION, THERAPEUTIC/ ADULT/ CURETTAGE/ DIARRHEA, chemically induced/ FEMALE/ FEVER, chemically induced/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ RADIOIMMUNOASSAY/ SUPPOSITORIES/ VAGINA/ VOMITING, chemically induced

elford JD, Anderson DG: High avidity tissue-specific ntibodies using tolerant and non-tolerant animals. Med (Basel) 4:1-11, 1973
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENIC DETERMINANTS/ BRAIN, immunology/ FEMALE/ GEL DIFFUSION TESTS/ HEART, immunology/ IMMUNE SERUMS/ *IMMUNE TOLERANCE/ INTESTINAL MUCOSA, immunology/ KIDNEY, immunology/ LIVER, immunology/ OVARY, immunology/ PLACENTA, immunology/ PRECIPITINS/ PREGNANCY/ RABBITS/ SHEEP, immunology

emans JA, Gibbons RP, Correa RJ Jr: Experience ith primary aldosteronism. J Urol 110:6-8, Jul 73
ADENOMA, pathology/ ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ ADULT/ ALDOSTERONE, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERALDOSTERONISM/ HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, pathology/ HYPERALDOSTERONISM, surgery/ HYPERALDOSTERONISM, urine/ HYPERTENSION, complications/ MALE/ MIDDLE AGE/ POTASSIUM, therapeutic use/ RENIN, blood/ SPIRONOLACTONE, therapeutic use

evenen C, Banerjee R, Lauchlan SC: The ovarian arcinoid. Cancer 31:1482-6, Jun 73
ADULT/ AGED/ *CARCINOID TUMOR/ CARCINOID TUMOR, pathology/ CELL NUCLEUS/ CYTOPLASM/ DERMOID CYST, complications/ FEMALE/ GANGLIA, cytology/ HUMAN/ MIDDLE AGE/ NEURONS, cytology/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology

ing FC: Skin colour changes in psoriasis responding o treatment with betamethasone-17-valerate under cclusion.
Acta Derm Venereol (Stockh) 53:199-202, 1973
BETAMETHASONE, administration & dosage/ BETAMETHASONE, pharmacodynamics/ *BETAMETHASONE, therapeutic use/ HUMAN/ MALE/ OCCLUSIVE DRESSINGS/ *PIGMENTATION, drug effects/ *PSORIASIS, drug therapy/ SKIN, drug effects/ SPECTROPHOTOMETRY, ULTRAVIOLET/ VALERATES

3875. **Tritthart H, Kaufmann R, Volkmer HP, et al:** Ca-movement controlling myocardial contractility. I. Voltage-, current- and time-dependence of mechanical activity under voltage clamp conditions (cat papiliary muscles and trabeculae).
Pfluegers Arch 338:207-31, 6 Feb 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CATS/ CELL MEMBRANE PERMEABILITY/ ELECTRIC STIMULATION/ EXTRACELLULAR SPACE, metabolism/ HEART VENTRICLE, metabolism/ IN VITRO/ *MYOCARDIUM, metabolism/ PAPILLARY MUSCLES, metabolism/ SUCROSE/ TIME FACTORS

3876. **Trnovský J, Kačmárová A, Virgala J:** Očné zmeny pri subsepsis allergica Wissleri.
Cesk Oftalmol 29:198-201, May 73 (Slo)
CHILD/ ENGLISH ABSTRACT/ EYE DISEASES, drug therapy/ *EYE DISEASES, etiology/ HUMAN/ MALE/ MECLASTINE, therapeutic use/ PREDNISONE, therapeutic use/ *WISSLER'S SYNDROME, complications/ WISSLER'S SYNDROME, drug therapy

3877. **Trotti Maina G, Borasio P:** Considerazioni anatomo-cliniche su 31 casi di neoformazioni del timo.
Minerva Chir 28:405-20, 31 Mar 73 (Ita)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MYASTHENIA GRAVIS, complications/ THYMOMA, complications/ *THYMOMA, pathology/ THYMOMA, surgery/ THYMUS HYPERPLASIA, surgery/ THYMUS NEOPLASMS, complications/ *THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, surgery

3878. **Trowbridge FL:** Intellectual assessment in primitive societies, with a preliminary report of a study of the effects of early iodine supplementation on intelligence. Adv Exp Med Biol 30:137-49, 1972
CHILD, PRESCHOOL/ *CRETINISM, diagnosis/ CULTURE/ ECUADOR/ FEMALE/ GESTATIONAL AGE/ *GOITER, ENDEMIC, drug therapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INTELLIGENCE, drug effects/ INTELLIGENCE TESTS/ IODINE, administration & dosage/ *IODINE, therapeutic use/ MALE/ MATERNAL-FETAL EXCHANGE/ *MENTAL RETARDATION, diagnosis/ PILOT PROJECTS/ PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy

3879. **Troy FA, Vijay IK, Kawakami TG:** Cyclic-3', 5'-AMP-dependent and independent protein kinase levels in normal and feline sarcoma virus transformed cells. Biochem Biophys Res Commun 52:150-8, 1 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CATS/ CATTLE/ CELL COUNT/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ EMBRYO, enzymology/ FEMALE/ KINETICS/ *ONCOGENIC VIRUSES, growth & development/ ONCOGENIC VIRUSES, metabolism/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, analysis/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ SARCOMA, microbiology/ SURFACE-ACTIVE AGENTS/ THYMUS GLAND, enzymology/ THYMUS GLAND, microbiology/ TIME FACTORS

3880. **Truitt EB Jr:** A biogenic amine hypothesis for alcohol tolerance. Ann NY Acad Sci 215:177-82, 30 Apr 73
ACETALDEHYDE, metabolism/ *ALCOHOL, ETHYL/ ALCOHOL, ETHYL, metabolism/ ALDEHYDE OXIDOREDUCTASES, biosynthesis/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, metabolism/ *BIOGENIC AMINES, physiology/ BRAIN, enzymology/ BRAIN, metabolism/ DRUG TOLERANCE/ EPINEPHRINE, physiology/ HUMAN/

NOREPINEPHRINE, physiology/ SEROTONIN, physiology

3881. **Truong-Minh-Cac:** Studies in family planning. 9. Vietnam (South). Stud Fam Plann 4:127-9, May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BIRTH RATE/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTRAUTERINE DEVICES/ MALE/ MIDDLE AGE/ MIDWIFERY, education/ MORTALITY/ PREGNANCY/ STATISTICS/ VIETNAM

3882. **Trybuchowski H:** Effect of ampicillin on the urinary output of steroidal hormones in pregnant and non-pregnant women.
Clin Chim Acta 45:9-18, 19 Apr 73
*AMPICILLIN, pharmacodynamics/ ANDROSTENES, urine/ CORPUS LUTEUM, physiology/ DEHYDROEPIANDROSTERONE, urine/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ ESTROGENS, urine/ FEMALE/ *HORMONES, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, urine/ MENOPAUSE/ OVARY, drug effects/ OVULATION/ PLACENTA, drug effects/ *PREGNANCY/ PREGNANEDIOL, urine/ PREGNANES, urine/ PREGNENES, urine/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ STEROIDS, isolation & purification/ *STEROIDS, urine

3883. **Tsai A, Reuler J, Rubenstein A:** Diabetes and pregnancy. J Reprod Med 11:23-8, Jul 73
ACIDOSIS, DIABETIC, prevention & control/ DIABETES MELLITUS, therapy/ ESTROGENS, physiology/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ INSULIN RESISTANCE/ PLACENTAL LACTOGEN, physiology/ PREGNANCY/ PREGNANCY IN DIABETES, complications/ PREGNANCY IN DIABETES, metabolism/ *PREGNANCY IN DIABETES, physiopathology/ PROGESTERONE, physiology/ PROINSULIN, blood/ SOMATOTROPIN, physiology/ TRANSCORTIN, blood

3884. **Tsang D, Johnstone RM:** Steroidogenesis and RNA synthesis in rat adrenal gland in vitro.
Endocrinology 93:119-26, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, pharmacodynamics/ CORTICOSTERONE, physiology/ CORTICOTROPIN, pharmacodynamics/ IN VITRO/ *OROTIC ACID, metabolism/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROTEIN PRECURSORS, metabolism/ PUROMYCIN, pharmacodynamics/ RATS/ *RNA, biosynthesis/ TESTOSTERONE, pharmacodynamics/ *URACIL NUCLEOTIDES, biosynthesis

3885. **Tschopp TB, Zucker MB:** Platelet function tests in disease. Annu Rev Med 24:1-18, 1973 (214 ref.)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, complications/ *BLOOD COAGULATION DISORDERS, diagnosis/ BLOOD COAGULATION TESTS/ *BLOOD PLATELET DISORDERS, diagnosis/ BLOOD PLATELET DISORDERS, etiology/ BLOOD PROTEIN DISORDERS, complications/ CONTRACEPTIVES, ORAL, adverse effects/ CORONARY DISEASE, etiology/ DIABETES MELLITUS, complications/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ HEART DISEASES, complications/ HEMORRHAGIC THROMBOCYTHEMIA, etiology/ HUMAN/ HYPERLIPEMIA, complications/ IMMUNOLOGIC DISEASES, complications/ INFECTION, complications/ LIVER DISEASES, complications/ MULTIPLE MYELOMA, complications/ MULTIPLE SCLEROSIS complications/ PLATELET ADHESIVE REVIEW/ SHOCK, SURGICAL, compli THROMBOPENIA, etiology/ UREMIA, complications

3886. **Tseng L, Gurpide E:** Effect of estrone and pro on the nuclear uptake of estradiol by slices endometrium. Endocrinology 93:245-8, CARBON ISOTOPES/ CELL NUCLEUS metabolism/ *ENDOMETRIUM, metabo *ESTRADIOL, metabolism/ *ESTRONE pharmacodynamics/ FEMALE/ HUMA VITRO/ MENSTRUATION/ *PROGEST pharmacodynamics/ TRITIUM

3887. **Tsitsishvili DB, Machavariani EN, Kurdova al:** Nekotorye gistokhimicheskie osobenno platsenty ovaréktomirovannykh krys p vozdeĭstviia razlichnykh doz progester éstradiol-dipropionata.
Arkh Anat Gistol Embriol 63:92-5, Dec
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metaboli ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CASTRATION/ ENGLISE ABSTRACT/ *ESTRADIOL, pharmaco FEMALE/ GLYCOGEN, metabolism/ HISTOCYTOCHEMISTRY/ PLACENTA enzymology/ *PLACENTA, metabolism PREGNANCY/ *PROGESTERONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ UTERUS, enzymology/ *UTERUS, metabolism

3888. **Tsuji I, Nakajima F, Nishida T, et al:** Testic in children. J Urol 110:127-9, Jul 73
ADOLESCENCE/ AGE FACTORS/ CASTRATION/ CHILD/ CHILD, PRE CYSTS, occurrence/ CYSTS, therapy/ DERMOID CYST, occurrence/ DERM CYST, therapy/ HUMAN/ INFANT/ NEWBORN/ JAPAN/ LYMPHOSARC occurrence/ MALE/ PROGNOSIS/ SA RETICULUM CELL, occurrence/ SA RETICULUM CELL, therapy/ TERAT TUMOR, occurrence/ TERATOID TU therapy/ TESTICULAR DISEASES, o TESTICULAR DISEASES, therapy/ *TESTICULAR NEOPLASMS/ TESTI NEOPLASMS, mortality/ TESTICULA NEOPLASMS, occurrence/ TESTICUL NEOPLASMS, therapy

3889. **Tsutsumi H, Mark VH:** Experimental loc application of xylocaine through silic chemode. J Neurosurg 38:743-7, Jun
*ANALGESIA/ ANIMAL EXPERIME *CATHETERIZATION, instrumentatio CONDITIONING (PSYCHOLOGY)/ E STIMULATION/ *LIDOCAINE, admin & dosage/ LIDOCAINE, pharmacody MONKEYS/ NOREPINEPHRINE, adm & dosage/ NOREPINEPHRINE, pharmacodynamics/ PAIN/ SEROTON administration & dosage/ SEROTON pharmacodynamics/ SILICONES/ STEREOTAXIC TECHNICS/ *THALA NUCLEI, drug effects

3890. **Tsyganiĭ AA, Chepkiĭ LP, Maliuk VL** vosmozhnosti vosstanovleniia deiatel'no razlichnye sroki posle ego ostanovki
Kardiologiia 12:88-94, Dec 72
ACID-BASE EQUILIBRIUM/ ANIMA EXPERIMENTS/ BLOOD SUGAR, m CALCIUM, metabolism/ CARBON D metabolism/ DOGS/ ENGLISH ABST EXTRACORPOREAL CIRCULATION ARREST, enzymology/ *HEART AR metabolism/ HISTOCYTOCHEMISTR ISOCITRATE DEHYDROGENASE, m LACTATE DEHYDROGENASE, meta LACTATES, metabolism/ MITOCHO MUSCLE, metabolism/ MYOCARDIU enzymology/ *MYOCARDIUM, metab OXIDATIVE PHOSPHORYLATION/ CONSUMPTION/ PHOSPHORUS, me POTASSIUM, metabolism/ PYRUVA metabolism/ SODIUM, metabolism/

SUCCINATE DEHYDROGENASE, metabolism/ TISSUE PRESERVATION

cker G 3d, Gagnon RE, Haussler MR: Vitamin D 3 25-hydroxylase: tissue occurrence and apparent lack f regulation. Arch Biochem Biophys 155:47-57, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ CHOLECALCIFEROL/ *CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ DIET/ DIHYDROXYCHOLECALCIFEROLS/ *HYDROXYLASES, metabolism/ IN VITRO/ INTESTINES, enzymology/ KIDNEY, enzymology/ KINETICS/ LIVER, enzymology/ MALE/ RICKETS, enzymology/ SILICA/ TRITIUM/ VITAMIN D DEFICIENCY, enzymology

cker WK, Munson ES, Holaday DA, et al: lepatorenal toxicity following fluroxene anesthesia. nesthesiology 34:104-7, Jul 73
ADIPOSE TISSUE, analysis/ ADRENAL GLANDS, analysis/ *ANESTHESIA, INHALATION, adverse effects/ AUTOPSY/ FEMALE/ *FLUROXENE, adverse effects/ FLUROXENE, analysis/ FLUROXENE, blood/ FLUROXENE, urine/ *HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, pathology/ HUMAN/ *KIDNEY FAILURE, ACUTE, chemically induced/ LIVER, analysis/ MIDDLE AGE

lchinsky D: Placental secretion of unconjugated strone, estradiol and estriol into the maternal and he fetal circulation.
Clin Endocrinol Metab 36:1079-87, Jun 73
DIALYSIS/ ESTRADIOL, blood/ *ESTRADIOL, secretion/ ESTRIOL, blood/ *ESTRIOL, secretion/ ESTRONE, blood/ *ESTRONE, secretion/ FEMALE/ FETUS/ HUMAN/ MALE/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, secretion/ PREGNANCY/ RADIOIMMUNOASSAY/ UMBILICAL ARTERIES/ UMBILICAL VEINS

nbridge WM, Jackson RA, Iniguez M, et al: Use of hyrotrophin releasing hormone test in pituitary isease. Proc R Soc Med 66:187, Feb 73
HUMAN/ INJECTIONS, INTRAVENOUS/ *PITUITARY DISEASES, diagnosis/ PITUITARY GLAND, drug effects/ PITUITARY NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

nbridge WM, Marshall JC, Burke CW: Primary ypothyroidism presenting as pituitary failure. r Med J 1:153-4, 20 Jan 73
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, diagnosis/ *DWARFISM, PITUITARY, diagnosis/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ MALE/ THYROTROPIN, blood/ THYROXINE, therapeutic use

rakulov IaKh, Abidov AA, Rakhimdzhanova MT: bmen svobodnykh zhirnykh kislot v myshtse serdtsa ri tireotoksikoze.
opr Med Khim 19:212-4, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ CAPRYLATES, metabolism/ CATS/ CHROMATOGRAPHY, THIN LAYER/ COLORIMETRY/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ LIPIDS, analysis/ MALE/ MYOCARDIUM, analysis/ *MYOCARDIUM, metabolism/ RATS/ THYROID HORMONES, pharmacodynamics

rkington RW: The clinical endocrinology of rolactin. Adv Intern Med 18:363-87, 1972 (97 ref.)
AMENORRHEA, drug therapy/ BIOLOGICAL ASSAY/ BRAIN NEOPLASMS, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ DOPA, therapeutic use/ FEMALE/ GYNECOMASTIA, physiopathology/ HUMAN/ HYPOTHALAMUS/ HYPOTHALAMUS, physiology/ LACTATION DISORDERS, diagnosis/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PHENOTHIAZINES, diagnostic use/ PITUITARY GLAND, secretion/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY NEOPLASMS, physiopathology/ *PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ REVIEW/ SARCOIDOSIS, blood

3898. **Turner AK, Carroll CJ, Pinkus JL, et al:** Simultaneous competitive protein binding assay for cortisol, cortisone, and prednisolone in plasma, and its clinical application. Clin Chem 19:731-6, Jul 73
BINDING, COMPETITIVE/ BLOOD/ BLOOD PROTEINS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ DOGS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAMUSCULAR/ LABOR/ MALE/ *PREDNISOLONE, blood/ PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use/ *PREGNANCY/ PROTEIN BINDING/ STEROIDS, isolation & purification/ TRANSCORTIN/ TRITIUM/ UMBILICAL ARTERIES/ UMBILICAL VEINS

3899. **Turner P:** Oxprenolol in thyrotoxicosis.
Lancet 1:1196, 26 May 73
HUMAN/ *HYPERTHYROIDISM, drug therapy/ *OXPRENOLOL, therapeutic use

3900. **Tveter KJ:** Unusual manifestations of renal carcinoma. A review of the literature.
Acta Chir Scand 139:401-9, 1973
*ADENOCARCINOMA, complications/ ADULT/ AMYLOIDOSIS, etiology/ ANEMIA, etiology/ BLOOD SEDIMENTATION/ CUSHING'S SYNDROME, etiology/ FEMALE/ FEVER OF UNKNOWN ORIGIN, etiology/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERTENSION, etiology/ *KIDNEY NEOPLASMS, complications/ LEUKEMIA, etiology/ LIVER DISEASES, etiology/ NEUROLOGIC MANIFESTATIONS/ POLYCYTHEMIA, etiology/ THROMBOSIS, etiology

3901. **Twardock AR, Symonds HW, Sansom BF, et al:** The effect of litter size upon foetal growth rate and the placental transfer of calcium and phosphorus in superovulated Scottish half-bred ewes.
Br J Nutr 29:437-46, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ GONADOTROPINS, EQUINE, pharmacodynamics/ *MATERNAL-FETAL EXCHANGE/ OVULATION, drug effects/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ PREGNANCY/ PREGNANCY, MULTIPLE/ *SHEEP, metabolism/ STIMULATION, CHEMICAL

3902. **Twarog BM, Cole RA:** Relaxation of catch in a molluscan smooth muscle. II. Effects of serotonin, dopamine and related compounds.
Comp Biochem Physiol [A] 43:331-5, 1 Oct 72
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CURARE-LIKE AGENTS, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ MUSSELS/ *SEROTONIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

3903. **Tweeddale MG, Ogilvie RI:** Antagonism of spironolactone-induced natriuresis by aspirin in man.
N Engl J Med 289:198-200, 26 Jul 73
ADMINISTRATION, ORAL/ ADULT/ ASPIRIN, administration & dosage/ *ASPIRIN,

pharmacodynamics/ CLINICAL RESEARCH/ FLUDROCORTISONE, pharmacodynamics/ HUMAN/ MALE/ *NATRIURESIS, drug effects/ PLACEBOS/ POTASSIUM, urine/ SODIUM, urine/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, antagonists & inhibitors/ SPIRONOLACTONE, pharmacodynamics

3904. **Tyler JP:** Problems with a radioimmunoassay for testosterone. J Reprod Fertil 33:357-9, May 73
ANTIGENS/ CATTLE/ CHROMATOGRAPHY/ METHODS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TRITIUM

3905. **Tyson JE, Friesen HG:** Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women.
Am J Obstet Gynecol 116:377-87, 1 Jun 73
ADULT/ BREAST, drug effects/ CHILD/ CHLORPROMAZINE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LACTATION, drug effects/ MENSTRUATION/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, secretion/ *SOMATOTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

U

3906. **Uchida K, Morimoto S, Takeda R, et al:** Studies on essential hypertension with suppressed plasma renin activity: sodium excretion pattern on salt restriction and effects of spironolactone on blood pressure and plasma renin activity. Jap Circ J 36:1301-11, Dec 72
ADULT/ ALDOSTERONE, urine/ *BLOOD PRESSURE, drug effects/ *DIET, SALT-FREE/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ HYPERTENSION, blood/ HYPERTENSION, diagnosis/ HYPERTENSION, drug therapy/ *HYPERTENSION, metabolism/ HYPERTENSION, urine/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ POTASSIUM, urine/ *RENIN, blood/ SODIUM, blood/ *SODIUM, urine/ *SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use

3907. **Udel'nov MG, Kulagina VP:** Problema reaktivnosti sosudov v mekhanizme reguliatornykh i farmakologicheskikh vliianif krovotok.
Usp Sovrem Biol 75:125-48, Jan-Feb 73 (276 ref.) (Rus)
ALKALOIDS, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ ATROPINE, pharmacodynamics/ AZAMETHONIUM COMPOUNDS, pharmacodynamics/ BRADYKININ, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE, drug effects/ EPHEDRINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GANGLIONIC BLOCKADERS, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ RESERPINE, pharmacodynamics/ REVIEW/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics/ VASCULAR RESISTANCE, drug effects/ VASOCONSTRICTOR AGENTS/ VASODILATOR AGENTS, pharmacodynamics/ *VASOMOTOR SYSTEM, physiology/ VASOPRESSIN, pharmacodynamics

3908. **Uehleke H, Tabarelli S:** N-hydroxylation of 4,4'-diaminodiphenylsulphone (Dapsone) by liver microsomes, and in dogs and humans.
Naunyn Schmiedebergs Arch Pharmacol 278:55-68, 17 May 73
ANIMAL EXPERIMENTS/ CARBON MONOXIDE/ DAPSONE, blood/ *DAPSONE, metabolism/ DAPSONE, urine/ DOGS/ ERYTHROCYTES/ FEMALE/ HEMOG metabolism/ HUMAN/ HYDROGEN-IO CONCENTRATION/ HYDROXYLATIO MALE/ METHEMOGLOBIN/ METYRA MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ OXYGEN/ PHENOBARBITAL, pharmacodynamics PROTEINS/ RABBITS/ TIME FACTO

3909. **Uhde WJ:** Zur Kenntnis der schwefel Verbindungen in raps und seinen Verarbeitungsprodukten.
Nahrung 16:559-72, 1972 (124 ref.)
*ANIMAL FEED/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER GLYCOSIDE HYDROLASES, metabol *GLYCOSIDES/ GLYCOSIDES, analys GLYCOSIDES, isolation & purificatio METHODS/ OXYPHENBUTAZONE, *PLANTS, EDIBLE, analysis/ PLANT EDIBLE, enzymology/ REVIEW/ *SE analysis/ *SULFUR/ SULFUR, analy SULFUR, isolation & purification/ THIOCYANATES, analysis

3910. **Uhlich E, Loeschke K:** La cloropropamide insipido. Minerva Med 64:1702-4, 5 M
ADENOSINE CYCLIC 3',5' MONOPH metabolism/ ADMINISTRATION, OR ADULT/ CHILD/ CHILD, PRESCHO CHLORPROPAMIDE, administration CHLORPROPAMIDE, adverse effect *CHLORPROPAMIDE, therapeutic u *DIABETES INSIPIDUS, drug thera DIABETES INSIPIDUS, etiology/ DI INSIPIDUS, metabolism/ DIURESIS, effects/ HUMAN

3911. **Ulmer WT, Baving G, Reichel G:** Physio considerations in the treatment of c pneumoconiosis.
Ann NY Acad Sci 200:633-42, 29 D
ACETYLCHOLINE, diagnostic use/ OBSTRUCTION, drug therapy/ AIR RESISTANCE/ ATROPINE, adminis dosage/ *ATROPINE, therapeutic u PRESSURE/ BRONCHITIS, drug th BRONCHODILATOR AGENTS, adm & dosage/ *BRONCHODILATOR AG therapeutic use/ CHRONIC DISEAS MINING/ DRUG COMBINATIONS/ drug therapy/ HUMAN/ ORCIPREN administration & dosage/ *ORCIPR therapeutic use/ *PNEUMOCONIOS therapy/ PREDNISOLONE, adminis dosage/ *PREDNISOLONE, therape PULMONARY ARTERY/ TETRACY therapeutic use

3912. **Ulrich E, Seige K, Schneyer U, et al:** Un zur Sekretion von Wachstumshormon u Patienten mit Akromegalie.
Z Gesamte Inn Med 28:141-2 passim, 1
ACROMEGALY, blood/ ACROMEGA etiology/ *ACROMEGALY, metabol ADENOMA, EOSINOPHILIC, compl ADULT/ BLOOD SUGAR, analysis/ ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INS blood/ *INSULIN, secretion/ MAL AGE/ PITUITARY NEOPLASMS, complications/ SOMATOTROPIN, *SOMATOTROPIN, secretion

3913. **Uluitu M, Petec G, Chiş R:** A method for of sodium physicochemical state in fluids. Rev Roum Physiol 10:183-9
*BODY FLUIDS, analysis/ DIALYS HEPARIN, pharmacodynamics/ MATHEMATICS/ MEMBRANES, A METHODS/ SEROTONIN, pharmac *SODIUM, analysis

3914. **Uluitu M, Petec G, Chiş R:** Investigatio the sodium state in blood serum.
Rev Roum Physiol 10:197-204, 197
ANIMAL EXPERIMENTS/ BLOOD

LIBRARY U. OF I. [illegible]

analysis/ HEPARIN, pharmacodynamics/ METHODS/ PROTEIN BINDING/ RATS/ SEROTONIN, pharmacodynamics/ SODIUM, analysis/ *SODIUM, blood

manskii II: O diagnostike i lechenii tuberkuleza nezenterial'nykh limfaticheskikh uzlov. Sov Med 35:116-9, Apr 72 (Rus)
ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ *MESENTERIC LYMPHADENITIS, diagnosis/ MESENTERIC LYMPHADENITIS, drug therapy/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ *TUBERCULOSIS, LYMPH NODE, diagnosis/ TUBERCULOSIS, LYMPH NODE, drug therapy

mminger BL, Gist DH: Effects of thermal acclimation on physiological responses to handling stress, cortisol and aldosterone injections in the goldfish, Carassius auratus. Comp Biochem Physiol [A] 44:967-77, 1 Mar 73
*ADAPTATION, PHYSIOLOGICAL/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *CYPRINIDAE/ ENVIRONMENT/ HEAT/ HEMATOCRIT/ *HYDROCORTISONE, pharmacodynamics/ MICROCHEMISTRY/ PHOTOMETRY/ SODIUM, blood/ SODIUM CHLORIDE, blood/ *STRESS/ WATER, analysis

gerer MJ, Erasmus FR, Muller FO: Evaluation of Althesin (CT 1341) as an intravenous induction agent. S Afr Med J 47:783-6, 12 May 73
ACID-BASE EQUILIBRIUM, drug effects/ ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ *ANESTHETICS/ ANESTHETICS, administration & dosage/ ANESTHETICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CHILD/ FEMALE/ HEART RATE, drug effects/ HUMAN/ KETONES/ KETONES, administration & dosage/ KETONES, pharmacodynamics/ MALE/ MIDDLE AGE/ MOVEMENT, drug effects/ OPIUM/ OXYGEN, blood/ PARTIAL PRESSURE/ PREANESTHETIC MEDICATION/ *PREGNANES/ PREGNANES, administration & dosage/ PREGNANES, pharmacodynamics/ RESPIRATION, drug effects

rbajtel M, Abbatucci JS: Problèmes posés par la radiothérapie des épithéliomas germinatifs de l'ovaire. J Radiol Electrol Med Nucl 54:19-26, Jan 73 (Fre)
*DISGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTERECTOMY/ LYMPHATIC METASTASIS, radiotherapy/ LYMPHOGRAPHY/ METHODS/ NEOPLASM RECURRENCE, LOCAL/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ RADIOTHERAPY DOSAGE/ VAGINAL NEOPLASMS, radiotherapy

riel J, Rubio N, Loisillier F: Localisation intracellulaire de l'alpha-foetoprotéine du foie de rat à l'aide d'oestrogènes tritiés. C R Acad Sci [D] (Paris) 275:1941-2, 23 Oct 72 (Fre)
*ALPHA GLOBULIN, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ AUTORADIOGRAPHY/ ESTROGENS, metabolism/ *FETAL GLOBULINS, analysis/ *HEPATOMA, metabolism/ *LIVER, analysis/ *LIVER NEOPLASMS, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ PROTEIN BINDING/ RATS/ TRITIUM

subillaga A, Paredes A, Martinod P, et al: Alkaloids of Solanum Ecuadorense. Planta Med 23:286-9, May 73
*ALKALOIDS, analysis/ CHROMATOGRAPHY, THIN LAYER/ STEROIDS, analysis/ *TREES

V

gue P, Oliver C, Jaquet P, et al: L'exploration directe de la fonction corticotrope hypophysaire. Ann Endocrinol (Paris) 33:367-75, Jul-Aug 72 (Fre)
ADDISON'S DISEASE, blood/ ADRENAL GLAND HYPOFUNCTION, blood/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND NEOPLASMS, blood/ BLOOD SUGAR/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, blood/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, blood/ ENGLISH ABSTRACT/ FEEDBACK/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ HYPOPITUITARISM, diagnosis/ INSULIN, diagnostic use/ METYRAPONE, diagnostic use/ PITUITARY GLAND, drug effects/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ VASOPRESSIN, pharmacodynamics

3922. Vahlquist A, Peterson PA: Combination of specific antibodies with the human vitamin A-transporting protein complex. J Biol Chem 248:4040-6, 10 Jun 73
ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS/ BINDING, COMPETITIVE/ BINDING SITES/ BINDING SITES, ANTIBODY/ *BLOOD PROTEINS/ CHROMATOGRAPHY, AFFINITY/ FLUORESCENCE SPECTROMETRY/ GEL DIFFUSION TESTS/ HUMAN/ *IMMUNOGLOBULINS, FAB/ IMMUNOGLOBULINS, FAB, isolation & purification/ MATHEMATICS/ PRECIPITIN TESTS/ PROTEIN BINDING/ PROTEIN CONFORMATION/ RABBITS, immunology/ *SERUM ALBUMIN/ THYROXINE/ TRYPTOPHAN/ ULTRACENTRIFUGATION/ *VITAMIN A

3923. Vahrson H: Triple massive-dose drug therapy in combined treatment of advanced ovarian carcinoma. Geburtshilfe Frauenheilkd 33:293-6, Apr 73 (Ger)
CARCINOMA, radiotherapy/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LEUKOPENIA, chemically induced/ LONG TERM CARE/ METHOTREXATE, administration & dosage/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ *OVARIAN NEOPLASMS, therapy/ PODOPHYLLIN/ PROGNOSIS

3924. Vailati G, Montini M, Pagani G: Alcuni aspetti dell'ipertiroidismo senile. Minerva Med 64:1298-305, 18 Apr 73 (Ita)
ADULT/ AGED/ APPETITE DISORDERS, etiology/ ASTHENIA, etiology/ AUTONOMIC DYSFUNCTION, etiology/ CHOLESTEROL, blood/ DIARRHEA, etiology/ ELECTROCARDIOGRAPHY/ EYE MANIFESTATIONS/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ HYPERTHYROIDISM/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, etiology/ *HYPERTHYROIDISM, physiopathology/ IODOPROTEINS, blood/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ TACHYCARDIA, etiology/ THYROID GLAND FUNCTION TESTS/ TREMOR, etiology

3925. Vainio H: Action of chaotropic agents on drug-metabolizing enzymes in hepatic microsomes. Biochim Biophys Acta 307:152-61, 25 Apr 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CYTOCHROME C/ FLUORESCENCE SPECTROMETRY/ *GUANIDINES, pharmacodynamics/ HEXOSYLTRANSFERASES, metabolism/ *HYDROXYLASES, metabolism/ *IODIDES, pharmacodynamics/ KINETICS/ LIVER, analysis/ LIVER, cytology/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ NADH, NADPH OXIDOREDUCTASES, metabolism/ *NITRATES, pharmacodynamics/ *OXIDOREDUCTASES, metabolism/ PROTEIN BINDING/ PROTEINS, analysis/ RATS/ SOLUBILITY/ SPECTROPHOTOMETRY/ SUBCELLULAR FRACTIONS, analysis/

*THIOCYANATES, pharmacodynamics/ UDP GLUCURONOSYLTRANSFERASE, metabolism/ *UREA, pharmacodynamics

3926. **Vainio H, Baltscheffsky M, Baltscheffsky H, et al:** Energy-dependent changes in membranes of Rhodospirillum rubrum chromatophores as measured by 8-anilino-naphthalene-1-sulfonic acid.
Eur J Biochem 30:301-6, Oct 72
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANILINE COMPOUNDS/ ANTIBIOTICS, pharmacodynamics/ BORON COMPOUNDS, pharmacodynamics/ *CHROMATOPHORES, metabolism/ DEOXYCHOLIC ACID, pharmacodynamics/ ENERGY TRANSFER, drug effects/ FLUORESCENCE SPECTROMETRY/ *MEMBRANES, metabolism/ NAPHTHALENES/ OLIGOMYCIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ PYROPHOSPHATES, pharmacodynamics/ *RHODOSPIRILLUM, metabolism/ RHODOSPIRILLUM RUBRUM, metabolism/ SUCCINATES, pharmacodynamics/ *SULFONIC ACIDS/ THIOCYANATES, pharmacodynamics/ TYROTHRICIN, pharmacodynamics/ UNCOUPLING AGENTS, pharmacodynamics/ UREA, pharmacodynamics/ VALINOMYCIN, pharmacodynamics

3927. **Vaisfel'd IL, Il'icheva RF:** Sutochnyi ritm soderzhaniia biogennykh aminov (gistamin, serotonin) v krovi liudei v norme i pri perestroennom rezhime truda.
Kosm Biol Med 6:56-62, Sep-Oct 72 (Rus)
*CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ *EXERTION/ FLUORESCENCE SPECTROMETRY/ HISTAMINASE, blood/ *HISTAMINE, blood/ HUMAN/ REST/ *SEROTONIN, blood/ SLEEP

3928. **Vaisrub S:** Stand up and be diagnosed.
JAMA 224:1755, 25 Jun 73
*ADENOMA, diagnosis/ *ADRENAL GLAND NEOPLASMS, diagnosis/ *ALDOSTERONE, blood/ ANGIOTENSIN, blood/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ KIDNEY, transplantation/ *POSTURE/ RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS

3929. **Vaisrub S:** Epidemiologic vagaries of renal osteodystrophy. JAMA 224:1755-6, 25 Jun 73
CALCIUM, metabolism/ DIET/ GREAT BRITAIN/ HUMAN/ ISRAEL/ KIDNEY FAILURE, CHRONIC, complications/ PARATHYROID GLANDS, metabolism/ PHOSPHORUS, metabolism/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, occurrence/ RENAL OSTEODYSTROPHY, prevention & control/ UNITED STATES

3930. **Vaisrub S:** Salivary electrolytes in digitalis toxicity.
JAMA 225:519, 30 Jul 73
*CALCIUM, analysis/ CYSTIC FIBROSIS, metabolism/ DIGITALIS GLYCOSIDES, administration & dosage/ DIGITALIS GLYCOSIDES, therapeutic use/ *DIGITALIS GLYCOSIDES, toxicity/ DIGOXIN, blood/ DIGOXIN, therapeutic use/ DIGOXIN, toxicity/ HEART DISEASES, drug therapy/ HUMAN/ HYPERALDOSTERONISM, metabolism/ *POTASSIUM, analysis/ PROSPECTIVE STUDIES/ *SALIVA, analysis

3931. **Vaitukaitis JL, Ross GT:** Recent advances in evaluation of gonadotropic hormones.
Annu Rev Med 24:295-302, 1973
ANIMAL EXPERIMENTS/ FEMALE/ FSH, blood/ *GONADOTROPINS, analysis/ GONADOTROPINS, blood/ GONADOTROPINS, isolation & purification/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LH, blood/ NEOPLASMS, blood/ RABBITS/ RADIOIMMUNOASSAY/ RATS

3932. **Vakhlakova TV, Skoropad IuD:** Primenenie rastvora chetyrekhkhloristogo ugleroda v etilovom spirte dlia opredeleniia pogloshchennykh doz.
Med Radiol (Mosk) 17:67-70, Sep 72
*ALCOHOL, ETHYL/ BONE AND BO radiation effects/ *CARBON TETRACHLORIDE/ ENGLISH ABSTRA HUMAN/ RADIATION DOSAGE/ *RA EFFECTS/ *RADIOMETRY, instrumen

3933. **Vakil BJ, Gaitonde BB, Chabria NL, et al:** Co efficacy of pheniramine maleate and a comb pheniramine maleate with prednisolone i histamine induced triple response of
Indian J Med Sci 27:114-9, Feb 73
CLINICAL RESEARCH/ COMPARATI STUDY/ DRUG COMBINATIONS/ ER chemically induced/ *ERYTHEMA, dr therapy/ HISTAMINE/ HUMAN/ PHENIRAMINE, administration & do *PHENIRAMINE, therapeutic use/ PREDNISOLONE, administration & d *PREDNISOLONE, therapeutic use/ S injuries

3934. **Vakov L:** Transkortinut v norma i pa
Vutr Boles 12:1-8, 1973
ACROMEGALY, blood/ ADRENAL C HORMONES, blood/ ADRENAL GLA HYPERFUNCTION, blood/ ADRENAL HYPOFUNCTION, blood/ ADRENOGE SYNDROME, blood/ ANABOLIC STE pharmacodynamics/ ANDROGENS, pharmacodynamics/ ANIMAL EXPER ASTHMA, blood/ BINDING SITES/ PROTEINS, physiology/ CORTICOTR pharmacodynamics/ ESTROGENS, pharmacodynamics/ HUMAN/ HYPERGLYCEMIA, blood/ HYPERTE blood/ INFLAMMATION, blood/ PRE REVIEW/ SERUM ALBUMIN, physio SPECIES SPECIFICITY/ THYROID blood/ TRANSCORTIN, analysis/ *TRANSCORTIN, physiology

3935. **Valdina EA:** Rezul'taty khirurgicheskog papilliarnogo raka shchitovidnoi zhele
Vopr Onkol 19:8-12, May 73
ADOLESCENCE/ ADULT/ AGED/ CARCINOMA, PAPILLARY, mortalit *CARCINOMA, PAPILLARY, surgery ENGLISH ABSTRACT/ FEMALE/ F STUDIES/ HUMAN/ LYMPH NODE EXCISION/ LYMPHATIC METASTA surgery/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS THYROID NEOPLASMS, mortality/ NEOPLASMS, surgery/ *THYROIDE

3936. **Vale JR, Ray D, Vale CA:** Interaction of s exogenous neonatal estrogen: aggressio mice. Physiol Behav 10:181-3, Feb 7
*AGGRESSION, drug effects/ ANIM EXPERIMENTS/ *ANIMALS, NEWB *ESTRADIOL, pharmacodynamics/ F GENETICS, BEHAVIORAL/ *GENO MICE/ MICE, INBRED BALB C/ M INBRED C57BL/ MICE, INBRED S *PROGESTERONE, pharmacodynami BEHAVIOR, ANIMAL, drug effects SPECIFICITY

3937. **Vale W, Blackwell R, Grant G, et al:** TRF hormones on prolactin secretion by pituitary cells in vitro. Endocrinology 93
ANIMAL EXPERIMENTS/ BINDING COMPETITIVE/ CARBON ISOTOPE CULTURED/ DIET/ HUMAN/ IN V MALE/ *PITUITARY GLAND, drug PITUITARY GLAND, secretion/ PRECIPITATION/ *PROLACTIN, s PROPYLTHIOURACIL, pharmacody RADIOIMMUNOASSAY/ RATS/ RE HORMONE/ *THYROTROPIN RELI FACTOR, pharmacodynamics/ *THY pharmacodynamics/ *TRIIODOTHYR pharmacodynamics/ TRITIUM

3938. **Vallotton MB, Riondel AM, Zahnd G** Cushing avec tumeur hypophysaire.
Ann Endocrinol (Paris) 33:361-6, Jul-
*ADENOMA, complications/ BLOOD analysis/ *CUSHING'S SYNDROME

LIBRARY U OF I

ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ HYPOPHYSECTOMY/ INSULIN, diagnostic use/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY GLAND IRRADIATION/ *PITUITARY NEOPLASMS, complications/ THYROID GLAND FUNCTION TESTS

lliotton MB, Strauch G, Touitou Y, et al: Systéme ènine-angiotensine-aldostêrone et hypertension rterielle dans l'acromêgalie.
nn Endocrinol (Paris) 33:447-8, Jul-Aug 72 (Fre)
*ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ *ANGIOTENSIN, blood/ BLOOD VOLUME/ ENGLISH ABSTRACT/ EXTRACELLULAR SPACE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, complications/ MIDDLE AGE/ *RENIN, blood

n Abeelen JH, Van der Kroon PH, Bekkers MF: Mice lected for rearing behavior: some physiological ariables. Behav Genet 3:85-90, Mar 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AROUSAL/ BODY TEMPERATURE/ *EXPLORATORY BEHAVIOR/ GENETICS, BEHAVIORAL/ HOUSING, ANIMAL/ LOCOMOTION/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MODELS, BIOLOGICAL/ MOTOR ACTIVITY/ *SELECTION (GENETICS)/ VARIATION (GENETICS)

n Reslen MY: Mise au point sur les tétracyclins. ev Stomatoodontol Nord Fr 27:129-30, 1972 (Fre)
BONE AND BONES, drug effects/ HUMAN/ TETRACYCLINE, adverse effects/ *TETRACYCLINE, pharmacodynamics/ TOOTH, drug effects

n de Velde E, Hooft C, Vandenabeele B, et al: Trois s familiaux de dysplasie spondylo-métaphysaire. Beige Radiol 55:823-30, Nov-Dec 72 (Fre)
ADOLESCENCE/ ADULT/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, radiography/ DWARFISM, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, abnormalities/ HUMAN/ MALE/ PELVIC BONES, abnormalities/ SPINE, abnormalities/ SYNDROME

ndenbergh JG: Effects of central and peripheral nosmia on reproduction of female mice.
ysiol Behav 10:257-61, Feb 73
ANIMAL EXPERIMENTS/ ANOSMIA/ ANOSMIA, chemically induced/ BODY WEIGHT/ ESTRUS/ FEMALE/ FERTILITY/ MATERNAL BEHAVIOR/ MICE/ NESTING BEHAVIOR/ OLFACTORY BULB, physiology/ OVARY, physiology/ OVULATION/ PERIODICITY/ PREGNANCY/ PREGNANCY, ANIMAL/ *REPRODUCTION/ SEX BEHAVIOR, ANIMAL/ *SMELL/ SULFATES/ VAGINAL SMEARS/ ZINC

n der Riet F de S, Kahn LB: Attempted induction of rcoma in a Cape Chacma baboon with the yder-Theilen feline sarcoma virus.
Afr Med J 47:943-4, 9 Jun 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE/ *BABOONS/ CATS/ *FIBROSARCOMA, etiology/ FIBROSARCOMA, immunology/ IMMUNITY/ MALE/ MONKEYS/ NEOPLASM RECURRENCE, LOCAL, chemically induced/ NEOPLASM REGRESSION, SPONTANEOUS/ NEOPLASM TRANSPLANTATION/ *ONCOGENIC VIRUSES, pathogenicity/ PREDNISOLONE/ SARCOMA, EXPERIMENTAL, etiology/ SARCOMA, EXPERIMENTAL, immunology/ TRANSPLANTATION, HETEROLOGOUS

nGilder JC, Inukai J: Growth characteristics of perimental intracerebrally transplanted oral ithelium. J Neurosurg 38:608-15, May 73
ANIMAL EXPERIMENTS/ BRAIN/ *BRAIN, pathology/ BRAIN NEOPLASMS, metabolism/ BRAIN NEOPLASMS, pathology/ CALCIUM, metabolism/ CARCINOMA, EPIDERMOID, metabolism/ CARCINOMA, EPIDERMOID, pathology/ CHOLESTEROL, metabolism/ CRANIOPHARYNGIOMA, pathology/ DERMOID, metabolism/ DERMOID, pathology/ EPITHELIUM, transplantation/ HYPOTHALAMUS/ *MOUTH MUCOSA, transplantation/ NEOPLASM TRANSPLANTATION/ RATS/ TRANSPLANTATION, AUTOLOGOUS

3946. Van Heerden PD, Vakili-Taleghani A, Wassermann HP, et al: Evaluation of the resin strip method for measuring serum thyroxin.
S Afr Med J 47:995-7, 16 Jun 73
HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ ION EXCHANGE RESINS/ MALE/ METHODS/ RADIOLIGAND ASSAY/ *THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *THYROXINE, blood

3947. Vanjonack WJ, Johnson HD: Relationship of thyroid and adrenal function to "fur-chewing" in the chinchilla.
Comp Biochem Physiol [A] 45:115-20, 1 May 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY TEMPERATURE/ BODY WEIGHT/ *CHINCHILLAS/ CORTICOSTERONE, blood/ HAIR/ IODINE ISOTOPES/ MICROSCOPY/ RESPIRATION/ THYROID GLAND, anatomy & histology/ THYROID GLAND, pathology/ *THYROID GLAND, physiology/ THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS

3948. Varagić VM, Beleslin DB: The effect of cyclic N-2-O-dibutyryl-adenosine-3',5'-monophosphate, adenosine triphosphate and butyrate on the body temperature of conscious cats.
Brain Res 57:252-4, 16 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ *BUTYRATES, pharmacodynamics/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOTHERMIA, chemically induced

3949. Varela-Alvarez H, Sink JD, Wilson LL: Certain physiological factors affecting organochlorine pesticide metabolism in young ovines contaminated in utero. J Agric Food Chem 21:409-11, May-Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ *DDT, metabolism/ *DIELDRIN, metabolism/ FEMALE/ MALE/ *MATERNAL-FETAL EXCHANGE/ *PESTICIDE RESIDUES/ PLACENTA, metabolism/ PREGNANCY/ SEX FACTORS/ TIME FACTORS

3950. Varela-Alvarez H, Sink JD, Wilson LL: Certain physiological factors affecting organochlorine pesticide metabolism in ovine females.
J Agric Food Chem 21:407-9, May-Jun 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *DDT, metabolism/ *DIELDRIN, metabolism/ FEMALE/ LACTATION/ *SHEEP, physiology

3951. Varga L, Wenner R: Schwangerschaftsbedingte Progredienz eines Hypophysentumours.
Geburtshilfe Frauenheilkd 33:289-93, Apr 73 (Ger)
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, radiography/ ADULT/ AMENORRHEA, drug therapy/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PREGNANCY/ *PREGNANCY

COMPLICATIONS/ PREGNANCY IN DIABETES/ STERILITY, FEMALE, drug therapy

3952. Varkey K, Raman PT, Bhaktaviziam A, et al: Osteomalacia due to phenytoin sodium. A case report with review of literature. J Neurol Sci 19:287-95, Jul 73
ADULT/ BONE AND BONES, pathology/ *CALCIUM, metabolism/ CALCIUM, therapeutic use/ CARBAMAZEPINE, therapeutic use/ CLAVICLE, radiography/ CONVULSIONS, drug therapy/ DEFICIENCY DISEASES, complications/ DIPHENYLHYDANTOIN, administration & dosage/ *DIPHENYLHYDANTOIN, adverse effects/ FEMALE/ FOLIC ACID, therapeutic use/ HUMAN/ *OSTEOMALACIA, chemically induced/ OSTEOMALACIA, drug therapy/ OSTEOMALACIA, etiology/ OSTEOMALACIA, pathology/ OSTEOMALACIA, radiography/ PELVIS, radiography/ SPINE, radiography/ VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, complications

3953. Varma MP, Adams C, Hannon P, et al: Endocrine function in acute head injury.
J Ir Med Assoc 66:98-100, 24 Feb 73
ACUTE DISEASE/ *BRAIN INJURIES, ACUTE, physiopathology/ *CONSCIOUSNESS/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, blood/ *PITUITARY GLAND, physiopathology/ SOMATOTROPIN, blood

3954. Varon S, Raiborn C, Tyszka E: In vitro studies of dissociated cells from newborn mouse dorsal root ganglia. Brain Res 54:51-63, 17 May 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL SEPARATION/ CELLS, CULTURED/ CHICK EMBRYO/ *GANGLIA, SPINAL, cytology/ IN VITRO/ MICE/ *NERVE GROWTH FACTOR/ NEURONS/ *SPINAL NERVE ROOTS, cytology

3955. Vartapetov BA, Demchenko AN, Gol'ber IL: Funktsional'noe sostoianie kory golovnogo mozga pri nakotorykh formakh inkretornoi nedostatochnosti semennikov.
Probl Endokrinol (Mosk) 19:84-7, Mar-Apr 73 (Rus)
ADULT/ *CEREBRAL CORTEX, physiopathology/ CLIMACTERIC/ ENGLISH ABSTRACT/ HUMAN/ HYPOGONADISM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ MIDDLE AGE/ NEUROLOGIC EXAMINATION/ NEUROLOGIC MANIFESTATIONS/ TESTIS, physiopathology/ *TESTIS, secretion

3956. Vasil'ev VV, Gogaladze MP: Vrozhdennye opukholi u novorozhdennogo: fibrosarkoma miagkikh tkanei verkhnei konechnosti i adenoma kory nadpochechnika.
Arkh Patol 35:64-6, 1973 (Rus)
*ADENOMA, congenital/ ADENOMA, pathology/ *ADRENAL CORTICAL REST TUMOR, congenital/ *ADRENAL GLAND NEOPLASMS, congenital/ ADRENAL GLAND NEOPLASMS, pathology/ *ARM, pathology/ ENGLISH ABSTRACT/ FEMALE/ *FIBROSARCOMA, congenital/ FIBROSARCOMA, pathology/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, pathology/ NEOPLASMS, EMBRYONAL AND MIXED, pathology

3957. Vaudry H, Dupont W, Leboulenger F: Mise en évidence des cellules corticotropes de l'hypophyse de la grenouille verte, Rana esculenta L., par la technique d'immunofluorescence.
C R Soc Biol (Paris) 166:1362-5, 1972 (Fre)
ANIMAL EXPERIMENTS/ CORTICOTROPIN, secretion/ FLUORESCENT ANTIBODY TECHNIC/ FROGS/ HISTOCYTOCHEMISTRY/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ *RANA ESCULENTA, anatomy & histology

3958. Veerdonk FC van de, Brouwer E: Role of calcium and prostaglandin (PGE 1) in the MSH-induced activation of adenylate cyclase in Xenopus laevis.
Biochem Biophys Res Commun 52:130-6,
*ADENYL CYCLASE, metabolism/ AN
EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CHROMATOPHOR
metabolism/ KINETICS/ MELANIN/
BIOLOGICAL/ *MSH, pharmacodynam
*PROSTAGLANDINS, pharmacodynam
FACTORS/ *XENOPUS, metabolism

3959. Vega P, Borrell S: Effects of 1-(indolyl-2-carbonyl)-2-alkyl-hydrazine d
on amine levels and monoamine oxidase ac
tissues. Biochem Pharmacol 21:2571-5,
*AMINES, analysis/ ANIMAL EXPER
BRAIN, drug effects/ BRAIN, enzym
BRAIN CHEMISTRY, drug effects/
CATECHOLAMINES, analysis/ HYDR
administration & dosage/ *HYDRAZI
pharmacodynamics/ HYDRAZINES, t
VITRO/ IPRONIAZID, toxicity/ LIVE
effects/ LIVER, enzymology/ *MONO
OXIDASE, analysis/ MONOAMINE O
INHIBITORS, administration & dosag
*MONOAMINE OXIDASE INHIBITOR
pharmacodynamics/ MYOCARDIUM,
MYOCARDIUM, enzymology/ ORGAN
SPECIFICITY/ RATS/ SEROTONIN,
TIME FACTORS

3960. Veilleux R, Cantin M: Cytofluorescence
leucocytes and mast cells in the urinary
magnesium-deficient rats: visualizatio
mucopolysaccharide, histamine and s
Rev Can Biol 31:287-92, Dec 72
ACRIDINES/ ANIMAL EXPERIMEN
*BLADDER, cytology/ FEMALE/
*FLUORESCENCE/ FLUORESCENT
HISTAMINE, isolation & purificatio
*LEUKOCYTES/ *MAGNESIUM DE
pathology/ *MAST CELLS/ MICROS
FLUORESCENCE/ MUCOPOLYSACC
isolation & purification/ RATS/ SE
isolation & purification

3961. Vein AM, Vlasov NA: Obmennye i
korrelaity sna.
Usp Sovrem Biol 75:295-313, Mar-Apr

ADRENAL CORTEX HORMONES,
ANESTHESIA/ ANIMAL EXPERIME
BASAL METABOLISM/ BLOOD, me
BODY TEMPERATURE/ CATECHO
physiology/ CATS/ ELECTRONARC
HIBERNATION/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, u
HYPOTHALAMO-HYPOPHYSEAL S
physiology/ *METABOLISM/
NEUROCHEMISTRY/ *NEUROHUM
physiology/ OXYGEN CONSUMPTI
PITUITARY-ADRENAL SYSTEM/
RATS/ REVIEW/ RODENTS/ SEX
HORMONES, physiology/ *SLEEP/
drug effects/ SLEEP, REM

3962. Velasco ME: Opposite effects of pl
stainless-steel lesions of the amygd
gonadotropin secretion.
Neuroendocrinology 10:301-8, 1972
*AMYGDALOID BODY, drug effect
AMYGDALOID BODY, physiology/
EXPERIMENTS/ BODY WEIGHT,
drug effects/ ELECTRODES/ ESTR
effects/ FEMALE/ *GONADOTROP
secretion/ MALE/ ORGAN WEIGH
OVULATION, drug effects/ *PLAT
PROSTATE, anatomy & histology/
drug effects/ RATS/ SECRETORY
drug effects/ SEMINAL VESICLES
& histology/ *STAINLESS STEEL/
anatomy & histology/ THALAMUS,

3963. Velde HH van der: The natural occurren
of two phycoerythrins with differe
weights and spectral properties.
Biochim Biophys Acta 303:246-57,
*ALGAE, analysis/ ALGAE, RED,
ALLYL COMPOUNDS/ CENTRIFU
DENSITY GRADIENT/ CULTURE
DRUG STABILITY/ ELECTROPHO
DISK/ FLUORESCENCE SPECTRO

LIBRARY U. OF I. IMMUNOLOGY

GEL FILTRATION/ LIGHT/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ PHOTOSYNTHESIS/ *PLANT PROTEINS, analysis/ PROTEIN CONFORMATION/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY/ THIOUREA

Vendrely E, Guérillot C, Da Lage C: Variations saisonnières de l'activité des cellules de Sertoli et de Leydig dans le testicule du hamster doré. Etude caryométrique.
C R Acad Sci [D] (Paris) 275:1143-6, 11 Sep 72 **(Fre)**
ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ *CELL NUCLEUS/ HAMSTERS/ HISTOLOGICAL TECHNICS/ KARYOMETRY/ LEYDIG CELLS, cytology/ *LEYDIG CELLS, physiology/ ORGAN WEIGHT/ SEASONS/ SERTOLI CELLS, cytology/ *SERTOLI CELLS, physiology/ TEMPERATURE/ TESTIS, physiology

Ventruto V, Rossi A, Sebastio L: Frammento cromosomico metacentrico soprannumerario in psoriasico fenotipicamente normale (47, XY, ?+.
Minerva Med 64:1624-32, 2 May 73 **(Ita)**
ALKALINE PHOSPHATASE, blood/ BLOOD GROUPS/ CASE REPORT/ DERMATOGLYPHICS/ ENGLISH ABSTRACT/ HEMOGLOBINOMETRY/ HUMAN/ IMMUNOGLOBULINS, analysis/ KARYOTYPING/ MALE/ MIDDLE AGE/ PEDIGREE/ PHENOTYPE/ PSORIASIS/ PSORIASIS, enzymology/ *PSORIASIS, familial & genetic/ PSORIASIS, immunology/ *SEX CHROMOSOME ABNORMALITIES

Ventura WP, Freund M: Evidence for a new class of uterine stimulants in rat semen and male accessory gland secretions. J Reprod Fertil 33:507-11, Jun 73
ANIMAL EXPERIMENTS/ BULBOURETHRAL GLANDS, analysis/ *BULBOURETHRAL GLANDS, secretion/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GANGLIOSIDES, analysis/ GANGLIOSIDES, isolation & purification/ GANGLIOSIDES, pharmacodynamics/ MALE/ METHODS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, pharmacodynamics/ *PROSTATE, secretion/ RATS/ *SEMEN/ SEMEN, analysis/ *SEMINAL VESICLES, secretion/ STIMULATION, CHEMICAL/ *UTERUS, drug effects

Verbeek E: Hysteria.
Psychiatr Clin (Basel) 6:104-20, 1973
AFFECTIVE DISTURBANCES/ EMOTIONS/ HUMAN/ HYPNOSIS/ HYSTERIA/ *HYSTERIA/ HYSTERIA, diagnosis/ HYSTERIA, etiology/ HYSTERICAL PERSONALITY/ INFANTILISM/ PERSONALITY DEVELOPMENT

Verbert A, Cacan R: Description d'un procédé électrophorétuqye de séparation de l'AMP cyclique de ses métabolites. Application á la détermination de l'activité adénylcyclasique.
Biochimie 54:1491-2, 1972 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS, PAPER/ *LIVER, metabolism/ METHODS/ RATS/ TRITIUM

Verbov J: Steroid solution treatment of alopecia areata.
Arch Dermatol 108:135, Jul 73
*ALOPECIA AREATA, drug therapy/ HUMAN/ TRIAMCINOLONE ACETONIDE, administration & dosage/ *TRIAMCINOLONE ACETONIDE, therapeutic use

Vercesi AE, Focesi A Jr: The phosphorylases system of the cardiac muscle of normal and reserpinized rats poisoned with 2,4-dinitrophenol.
Experientia 29:392-3, 15 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BUFFERS/ *DINITROPHENOLS, poisoning/ GLYCOGEN, metabolism/ *MYOCARDIUM, enzymology/ PERFUSION/ PHOSPHORYLASE KINASE, metabolism/ POISONING, enzymology/ RATS/ *RESERPINE, pharmacodynamics/ *TRANSFERASES, metabolism

3971. **Verdy M, Marc-Aurele J:** Fasting in obese females: plasma renin after glucose refeeding.
Horm Metab Res 5:59, Jan 73
ANGIOTENSIN, physiology/ FASTING/ FEMALE/ *GLUCOSE, pharmacodynamics/ HUMAN/ NUTRITION/ *OBESITY, enzymology/ OBESITY, therapy/ *RENIN, blood/ RENIN, physiology

3972. **Vergnes M, Mack G, Kempf E:** Lésions du raphé et réaction d'agression interspécifique rat-souris. Effets comportementaux et biochimiques.
Brain Res 57:67-74, 16 Jul 73 **(Fre)**
*AGGRESSION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ ENGLISH ABSTRACT/ *HYDROXYINDOLEACETIC ACID, metabolism/ *MEDULLA OBLONGATA, metabolism/ MICE/ MOTOR ACTIVITY/ *NOREPINEPHRINE, metabolism/ *PONS, metabolism/ RATS/ *SEROTONIN, metabolism

3973. **Verity MA, Andiman R, Munsat TL, et al:** The lysosome: a role in disease.
Ann Intern Med 78:725-38, May 73 (74 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOPSY/ CELL NUCLEUS/ CYTOPLASM/ ENZYME INDUCTION/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ GLUCOSIDASE, metabolism/ GLYCOGENOSIS, enzymology/ HUMAN/ HYDROLASES, metabolism/ *LYSOSOMES, enzymology/ LYSOSOMES, metabolism/ MALE/ MEMBRANES/ *METABOLIC DISEASES, enzymology/ MICROSCOPY, ELECTRON/ MODELS, BIOLOGICAL/ MUSCLES, anatomy & histology/ MUSCLES, metabolism/ MUSCULAR DISEASES, enzymology/ RATS/ REVIEW/ TEMPLATES

3974. **Verma V, Bagchi SC:** Acceptability and use-effectiveness of an oral contraceptive in a rural area. Indian J Med Res 60:1242-50, Aug 72
ADULT/ AGE FACTORS/ *ATTITUDE TO HEALTH/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ EDUCATIONAL STATUS/ FEMALE/ HUMAN/ INCOME/ INDIA/ OCCUPATIONS/ PARITY/ PREGNANCY/ *RURAL POPULATION

3975. **Vermes I, Telegdy G:** Effect of intraventricular injection and intrahypothalamic implantation of serotonin on the hypothalamo-hypophyseal-adrenal system in the rat.
Acta Physiol Acad Sci Hung 42:49-59, 1972
ADRENAL GLANDS, secretion/ ANESTHESIA/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, secretion/ HANDLING (PSYCHOLOGY)/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INJECTIONS/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL FUNCTION TESTS/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, physiology/ STRESS

3976. **Verne J, Fournier E, Gervais P, et al:** Direct stimulant effect of cyclic AMP and dibutryl cAMP on glycogenolysis by hepatocytes in histiotypic culture.
Biomedicine 19:130-2, 10 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ALCOHOL, PROPYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CELLS, CULTURED, metabolism/ CHICK EMBRYO/ GLUCOSEPHOSPHATASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *LIVER, drug effects/ LIVER, metabolism/ *LIVER GLYCOGEN, metabolism

3977. Versmold H, Horn K, Windthorst H, et al: The rapid postnatal increase of red cell 2,3-diphosphoglycerate: its relation to plasma thyroxine.
Respir Physiol 18:26-33, Jun 73
*ERYTHROCYTES, metabolism/ FEMALE/ *GLYCERIC ACIDS, blood/ HUMAN/ *INFANT, NEWBORN/ MALE/ *ORGANOPHOSPHORUS COMPOUNDS, blood/ OXYGEN, blood/ *THYROXINE, blood

3978. Vessey MP, Doll R, Peto R, et al: Prospective study of women using different methods of contraception.
Br J Prev Soc Med 27:71, Feb 73
ABORTION, etiology/ *CONTRACEPTIVE DEVICES/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, adverse effects/ PREGNANCY/ PREGNANCY, ECTOPIC, etiology/ PROSPECTIVE STUDIES

3979. Vesterhus P, Aarskog D: Noonan's syndrome and autoimmune thyroiditis. J Pediatr 83:237-40, Aug 73
ADOLESCENCE/ ANTIBODIES/ *AUTOIMMUNE DISEASES/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ HYPOTHYROIDISM, etiology/ IMMUNOGLOBULINS, analysis/ MALE/ PROTEIN-BOUND IODINE TEST/ THYROGLOBULIN/ *THYROIDITIS, etiology/ THYROIDITIS, familial & genetic/ THYROIDITIS, immunology/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, immunology

3980. Vetters JM, Saikia NK, Wood J, et al: Pemphigus vulgaris and myasthenia gravis.
Br J Dermatol 88:437-41, May 73
AUTOANTIBODIES/ AUTOIMMUNE DISEASES/ BIOPSY/ FEMALE/ HUMAN/ MIDDLE AGE/ MOUTH DISEASES, complications/ *MYASTHENIA GRAVIS, complications/ *PEMPHIGUS, complications/ PEMPHIGUS, drug therapy/ PEMPHIGUS, immunology/ PEMPHIGUS, pathology/ REMISSION/ SKIN, immunology/ SKIN, pathology/ THYMECTOMY/ THYMOMA, immunology/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, immunology/ THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, surgery

3981. Viazitskiĭ PO, Alekseeva NM: Vliianie gipodinamii v razlichnykh mikroklimaticheskikh usloviiakh na gliukokortikoidnuiu aktivnost'kory nadpochechnikov. Voen Med Zh 5:57-8, May 72 (Rus)
*ADRENAL GLANDS, physiology/ ADULT/ *COLD/ *HEAT/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *IMMOBILIZATION/ MALE

3982. Vidgoff J, Buist NR, O'Brien JS: Absence of -N-acetyl-D-hexosaminidase A activity in a healthy woman. Am J Hum Genet 25:372-81, Jul 73
ADULT/ AMAUROTIC FAMILIAL IDIOCY, enzymology/ AMAUROTIC FAMILIAL IDIOCY, familial & genetic/ AMAUROTIC FAMILIAL IDIOCY, metabolism/ BLOOD/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FREEZING/ GANGLIOSIDES, analysis/ GENOTYPE/ HETEROZYGOTE/ *HEXOSAMINIDASES, blood/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFANT, NEWBORN/ LEUKOCYTES, enzymology/ *METABOLISM, INBORN ERRORS, blood/ METHODS/ PEDIGREE/ SEX CHROMOSOMES/ TEMPERATURE

3983. Vieweg WV, Reitz RE, Weinstein RL: Addison's disease secondary to metastatic carcinoma: an example of adrenocortical and adrenomedullary insufficiency.
Cancer 31:1240-3, May 73
*ADDISON'S DISEASE, etiology/ *ADENOCARCINOMA, complications/ ADENOCARCINOMA, metabolism/ *ADRENAL GLANDS, physiopathology/ ADULT/ ALDOSTERONE, urine/ CASE REPORT/ CORTICOSTERONE, urine/ CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, urine/ EPINEPHRINE, urine/ FEMALE/ HUM HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine HYPOGLYCEMIA, chemically induced/ INSULIN/ 17-KETOSTEROIDS, urine/ * NEOPLASMS, complications/ LUNG NEOPLASMS, metabolism/ NEOPLASM METASTASIS

3984. Vigneri R, Squatrito S, Motta L, et al: [Regu somatotropin secretion: attempted unita interpretation]
Acta Diabetol Lat 10:91-106, Jan-Feb 7
CARBOHYDRATES, metabolism/ CATECHOLAMINES, metabolism/ CHEMORECEPTORS, physiology/ CIRC RHYTHM/ *DIENCEPHALON, physiolo ENERGY TRANSFER/ ENGLISH ABST FATS, metabolism/ HUMAN/ HYPOTHALAMUS, physiology/ PROTE metabolism/ SLEEP/ SOMATOTROPIN metabolism/ SOMATOTROPIN, physiol *SOMATOTROPIN, secretion

3985. Vila-Porcile E, Olivier L, Racadot O: E polarisée des corps résiduels lysosomiaux de à prolactine dans l'adénohypophyse de la post-lactation.
C R Acad Sci [D] (Paris) 276:355-7, 15 Jan
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ EXOCYTOSIS/ FEMALE HISTOCYTOCHEMISTRY/ *LYSOSOME metabolism/ MICROSCOPY, ELECTRO *PITUITARY GLAND, cytology/ PITU GLAND, physiology/ *PROLACTIN, se RATS/ *WEANING

3986. Villamil MF, Rettori V, Yeyati N: Calcium and distribution in the arterial wall.
Am J Physiol 224:1314-9, Jun 73
ANIMAL EXPERIMENTS/ BINDING S BODY FLUIDS, metabolism/ CALCIU analysis/ *CALCIUM, metabolism/ CA ISOTOPES/ *CAROTID ARTERIES, metabolism/ CHONDROITIN, metaboli COLLAGEN, metabolism/ DOGS/ ELA metabolism/ EXTRACELLULAR SPAC metabolism/ INCUBATORS/ MUSCLE, SMOOTH, analysis/ MUSCLE, SMOOT metabolism/ SODIUM, metabolism/ TEMPERATURE

3987. Vincenti F, Birbari A, Rizk G: Renal vei hypertension. Diagnostic and therapeu implications. J Med Liban 26:9-16, 19
ADOLESCENCE/ ADULT/ CHILD/ F HUMAN/ HYPERTENSION, RENAL, *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, therapy/ MIDDLE AGE/ *RENAL VEINS/ *RE blood

3988. Virkkunen P, Leppäluoto J, Ranta J, et al: F of 125I-labelled thyrotrophin-releasing
Horm Metab Res 5:58, Jan 73
CHEMISTRY/ *IODINE ISOTOPES/ I LABELING/ METHODS/ *THYROTRO RELEASING FACTOR

3989. Virshup AM, Sliwinski AJ: Polyarthriti subcutaneous nodules associated with ca the pancreas. Arthritis Rheum 16:388-92,
ARTHRITIS, drug therapy/ *ARTHR etiology/ ARTHRITIS, radiography/ therapeutic use/ *CARCINOMA, com HUMAN/ INDOMETHACIN, therapeu MALE/ MIDDLE AGE/ OSTEOPORO etiology/ OSTEOPOROSIS, radiograph *PANCREATIC NEOPLASMS, compli PANNICULITIS, NODULAR NONSUPPURATIVE, drug therapy/ *PANNICULITIS, NODULAR NONSUPPURATIVE, etiology/ PANN NODULAR NONSUPPURATIVE, radi PHENYLBUTAZONE, therapeutic us PREDNISONE, therapeutic use

3990. Vishnevskiĭ IuB, Solukha VP, Lebedev

LIBRARY U. OF L. (MEDICAL SCHOOL)

izmeneniiakh aminokislotnogo sostava krovi v usloviiakh D-vitaminnoi intoksikatsii.
Vopr Pitan 31:20-5, Sep-Oct 72 (Rus)
*AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CALCIUM, blood/ CHROMATOGRAPHY, PAPER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ *ERGOCALCIFEROL, toxicity/ HISTIDINE, blood/ HISTOCYTOCHEMISTRY/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ PHOSPHORUS, blood/ RATS/ STOMACH, analysis/ THREONINE, blood/ TIME FACTORS

Vishniavsky S: Hodgkin's sarcoma involving the testicle and adnexa. Va Med Mon 100:534-7, Jun 73
AGED/ AUTOPSY/ *HODGKIN'S DISEASE, pathology/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *TESTICULAR NEOPLASMS, pathology

Visuvaratnam T: A three to four year follow-up study of the intrauterine device in Ceylon.
J Trop Med Hyg 76:115-8, May 73
AGE FACTORS/ CEYLON/ CONTRACEPTIVES, ORAL/ EDUCATIONAL MEASUREMENT/ FEMALE/ FERTILIZATION/ FOLLOW-UP STUDIES/ HUMAN/ *INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, adverse effects/ OCCUPATIONS/ PARITY/ PREGNANCY/ PREGNANCY, UNWANTED

Vitale C, Kahn MF, Sèze M de, et al: Névrite optique, myélite et maladie lupique. A propos de deux observations.
Ann Med Interne (Paris) 124:211-6, Mar 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HEADACHE, complications/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ MULTIPLE SCLEROSIS, diagnosis/ MYELITIS, complications/ MYELITIS, drug therapy/ NEUROLOGIC MANIFESTATIONS/ *OPTIC NEURITIS, complications/ OPTIC NEURITIS, drug therapy/ PENICILLIN, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS

Vitale R, Fawcett DW, Dym M: The normal development of the blood-testis barrier and the effects of clomiphene and estrogen treatment.
Anat Rec 176:331-44, Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CLOMIPHENE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ GONADOTROPINS, physiology/ INTERCELLULAR JUNCTIONS, growth & development/ INTERCELLULAR JUNCTIONS, physiology/ LANTHANUM, diagnostic use/ MALE/ MICROSCOPY, ELECTRON/ PEROXIDASES, diagnostic use/ RATS/ SEMEN/ *SERTOLI CELLS, growth & development/ SPERMATOGENESIS/ TESTIS, blood supply/ TESTIS, cytology/ TESTIS, drug effects/ *TESTIS, growth & development/ TIME FACTORS

Vlasenko LP: Dispansernoe nabliudenie i lechenie detei i podrostkov, otstaiushchikh v fizicheskom i polovom razvitii. Pediatriia 52:72-3, Jan 73 (Rus)
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD NUTRITION/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ *GROWTH DISORDERS/ GROWTH DISORDERS, diagnosis/ GROWTH DISORDERS, therapy/ HUMAN/ MALE/ PHYSICAL EXAMINATION/ *PUBERTY

Voci VE, Carlson NR: Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse.
J Comp Physiol Psychol 83:388-93, Jun 73
ANIMAL EXPERIMENTS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ LACTATION/ *MATERNAL BEHAVIOR, drug effects/ MICE/ *NESTING BEHAVIOR, drug effects/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ STEREOTAXIC TECHNICS

3997. Vodkaĭlo ShI: Oshibki pri lechenii grudnykh detei kapel'nymi vlivaniiami elektrolitnykh rastvorov.
Pediatriia 52:29-33, Jan 73 (Rus)
DEHYDRATION, drug therapy/ *ELECTROLYTES, administration & dosage/ GLUCOSE, administration & dosage/ GLUCOSE, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFUSIONS, PARENTERAL/ MEDICATION ERRORS/ POTASSIUM, therapeutic use/ PREDNISOLONE, therapeutic use/ VOMITING, drug therapy/ *WATER-ELECTROLYTE BALANCE

3998. Voelter WW, Newell GB, Schwartz SL, et al: Familial occurrence of pemphigus foliaceus.
Arch Dermatol 108:93-4, Jul 73
ADULT/ ANTIBODIES, analysis/ ANTIMALARIALS, therapeutic use/ BIOPSY/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, familial & genetic/ PEMPHIGUS, pathology/ PREDNISONE, therapeutic use/ STEROIDS, therapeutic use

3999. Vogel HG: Stress relaxation in rat skin after treatment with hormones. J Med (Basel) 4:19-27, 1973
ANIMAL EXPERIMENTS/ COLLAGEN/ CORTICOTROPIN, administration & dosage/ INJECTIONS, SUBCUTANEOUS/ MATHEMATICS/ *PREDNISOLONE, pharmacodynamics/ RATS/ *RELAXATION/ *SKIN, drug effects/ SKIN, pathology/ *STRESS, MECHANICAL/ *TRIIODOTHYRONINE, pharmacodynamics

4000. Vogimayr JK, Amann RP: Glucose metabolism and lipid synthesis of cauda epididymal and ejaculated bull spermatozoa in the presence of selected androgens.
Acta Endocrinol (Kbh) 73:196-208, May 73
*ANDROGENS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ EPIDIDYMIS/ *GLUCOSE, metabolism/ GLYCOLYSIS, drug effects/ LACTATES, metabolism/ *LIPIDS, biosynthesis/ MALE/ OXYGEN CONSUMPTION/ *SPERMATOZOA, metabolism/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

4001. Vogimayr JK, Amann RP: The distribution of free myo-inositol in fluids, spermatozoa, and tissues of the bull genital tract and observations on its uptake by the rabbit epididymis. Biol Reprod 8:504-13, May 73
ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES, metabolism/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ *EPIDIDYMIS, metabolism/ *INOSITOL, analysis/ *INOSITOL, blood/ INOSITOL, metabolism/ *LIPIDS, analysis/ LIPIDS, biosynthesis/ MALE/ *PHOSPHOINOSITIDES, metabolism/ RABBITS/ SEMEN, analysis/ *SPERMATOZOA, analysis/ TESTIS, analysis/ TESTOSTERONE, pharmacodynamics/ TISSUE CULTURE/ *TISSUE EXTRACTS, analysis

4002. Vohra P, Johnson CM, McFarland LZ, et al: Role of selenium in neural physiology of avian species. 2. The distribution of 75 Se from injected selenomethionine-75 Se in the tissues and its fate in livers of chickens.
Poult Sci 52:644-7, Mar 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CHICKENS, metabolism/ FEMALE/

INJECTIONS, INTRAVENOUS/ KIDNEY, analysis/ LIVER, analysis/ *LIVER, metabolism/ MALE/ METHIONINE, administration & dosage/ *METHIONINE, metabolism/ MUSCLES, analysis/ OVARY, analysis/ PANCREAS, analysis/ PITUITARY GLAND, analysis/ RADIOISOTOPES/ RETINA, analysis/ SELENIUM/ SELENIUM/ SELENIUM, administration & dosage/ SELENIUM, analysis/ SELENIUM, blood/ SELENIUM, metabolism/ SELENIUM, metabolism/ SEX FACTORS/ SPLEEN, analysis/ TESTIS, analysis

4003. Voichick J, Eison C, Granner D, et al: Relationship of adenosine 3',5'-monophosphate to growth and metabolism of Tetrahymena pyriformis.
J Bacteriol 115:68-72, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBOXY-LYASES, metabolism/ CELL-FREE SYSTEM/ CHROMATOGRAPHY/ CULTURE MEDIA/ GLUCONEOGENESIS/ GLUCOSE, metabolism/ GLYCOGEN, biosynthesis/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ TETRAHYMENA PYRIFORMIS, enzymology/ TETRAHYMENA PYRIFORMIS, growth & development/ *TETRAHYMENA PYRIFORMIS, metabolism/ TIME FACTORS/ TRITIUM

4004. Voigt W, Hsia SL: Further studies on testosterone 5 -reductase of human skin. Structural features of steroid inhibitors. J Biol Chem 248:4280-5, 25 Jun 73
ACETIC ACIDS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES/ CARBON ISOTOPES/ CARBOXYLIC ACIDS, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ HYDROXYSTEROIDS/ KETOSTEROIDS, pharmacodynamics/ KINETICS/ MICROSOMES, drug effects/ *MICROSOMES, enzymology/ PROGESTERONE, pharmacodynamics/ SKIN, cytology/ SKIN, drug effects/ *SKIN, enzymology/ *STEROIDS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE/ TESTOSTERONE, adverse effects/ TESTOSTERONE, metabolism

4005. Voisin C, Tonnel AB, Lelièvre G, et al: Traitements immuno-dépreseurs et défense phagocytaire alvéolaire.
Rev Tuberc Pneumol (Paris) 36:853-66, Jul-Aug 72 (Fre)
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ BLOOD BACTERICIDAL ACTIVITY/ CELL AGGREGATION/ ENGLISH ABSTRACT/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ KIDNEY, transplantation/ LEUKOCYTES, drug effects/ MACROPHAGES, drug effects/ MICROSCOPY, ELECTRON, SCANNING/ *PHAGOCYTES, drug effects/ PHAGOCYTOSIS/ *PULMONARY ALVEOLI, drug effects/ TRANSPLANTATION, HOMOLOGOUS

4006. Volf V: The effect of chelating agents on the distribution of 210 Po in rats.
Experientia 29:307-8, 15 Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CHELATING AGENTS, administration & dosage/ *CHELATING AGENTS, pharmacodynamics/ DIMERCAPROL, pharmacodynamics/ DTPA, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ KIDNEY, analysis/ LIVER, analysis/ PENICILLAMINE, pharmacodynamics/ POLONIUM, analysis/ POLONIUM, blood/ *POLONIUM, metabolism/ RATS/ SPLEEN, analysis/ THIOCARBAMATES, pharmacodynamics

4007. Volkov AV, Efremova NM: Vzaimootnosheni kory nadpochechnikov i shchitovidnoi rannem postreanimatsionnom periode.
Probl Endokrinol (Mosk) 19:75-80, Mar-Ap
*ADRENAL GLANDS, physiopathology ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ DEATH/ DOGS/ EN ABSTRACT/ HEMORRHAGE, physiopa 11-HYDROXYCORTICOSTEROIDS, blo INJECTIONS, INTRAVENOUS/ PROTEIN-BOUND IODINE TEST/ *RESUSCITATION/ *THYROID GLAN physiopathology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ TI FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

4008. Vollrath L, Huss H: The synaptic ribbo guinea-pig pineal gland under normal experimental conditions.
Z Zellforsch Mikrosk Anat 139:417-29,
ANIMAL EXPERIMENTS/ CELL ME CELLULAR INCLUSIONS/ DARKNES EVOLUTION/ FEMALE/ GUINEA PI LIGHTING/ MALE/ MICROSCOPY, ELECTRON/ *ORGANOIDS/ *PINEA cytology/ PREGNANCY/ SEX FACT

4009. Volozhin AI, Vasil'ev PV, Uglova NN, et al kal'tsievogo obmena v obyzvestviennyk krys pri dlitel'noi gipodinamii i prin tirokal'tsitonina.
Kosm Biol Med 6:10-5, May-Jun 72
ANIMAL EXPERIMENTS/ *BONE A BONES, metabolism/ BONE RESORP BONE RESORPTION, drug effects/ blood/ *CALCIUM, metabolism/ CA ISOTOPES/ ENGLISH ABSTRACT/ metabolism/ HUMERUS, metabolism *IMMOBILIZATION/ MALE/ MAXIL metabolism/ MOLAR, metabolism/ P BONE, metabolism/ RATS/ SCAPUL metabolism/ *THYROCALCITONIN, pharmacodynamics/ TIBIA, metaboli *TOOTH, metabolism

4010. Volozhinskaia GIa: Osobennosti zabole shchitovidnoi zhelezy v Stavropol'sko
Med Radiol (Mosk) 18:28-32, Mar 7
ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, diagnosis/ IO ISOTOPES, DIAGNOSTIC/ PROTEIN IODINE TEST/ RUSSIAN FEDERA (EUROPE)

4011. Volynskiĭ IuD, Chernysheva LM, Babskai Kislorodnyĭ zapros i potreblenie kis ozhogovom shoke.
Vestn Khir 110:106-11, Apr 73
ACIDOSIS, etiology/ ADOLESCENC ADRENAL GLANDS, physiopatholo AGED/ ANOXEMIA, etiology/ ART *BURNS, complications/ ENGLISH FEMALE/ HUMAN/ HYDROGEN-IO CONCENTRATION/ 17-HYDROXYCORTICOSTEROIDS, b LACTATES, blood/ MALE/ MIDDL OXYGEN, blood/ *OXYGEN CONS PYRUVATES, blood/ SHOCK, TRA blood/ SHOCK, TRAUMATIC, etiol *SHOCK, TRAUMATIC, metabolism TRAUMATIC, physiopathology/ TI FACTORS/ VEINS

4012. Von Voigtlander PF, Moore KE: Turnin mice with unilateral 6-hydroxydopami the striatum: effects of apomorphi amanthadine, amphetamine and other stimulants. Neuropharmacology 12:45
*AMANTADINE, pharmacodynamics *AMPHETAMINE, pharmacodynami ANALEPTICS, pharmacodynamics/ EXPERIMENTS/ *APOMORPHINE, pharmacodynamics/ *BEHAVIOR, drug effects/ BRAIN CHEMISTRY effects/ CORPUS STRIATUM, ana

LIBRARY U. OF L. (MOUNT SINAI)

histology/ CORPUS STRIATUM, metabolism/ CORPUS STRIATUM, physiology/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ *GANGLIA, BASAL, physiology/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MICE/ NEUROCHEMISTRY/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ TIME FACTORS

oorhoeve A, Sternemann HO: Ursachen und Behandlung nicht infizierter Falschgelenke des Oberarmschaftes.
Arch Orthop Unfallchir 74:317-28, 9 Feb 73 (Ger)
ADULT/ BONE AND BONES, metabolism/ BONE NAILS/ BONE PLATES/ ENGLISH ABSTRACT/ FRACTURE FIXATION/ FRACTURE FIXATION, INTERNAL/ FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ HUMERAL FRACTURES, complications/ *HUMERUS, surgery/ MALE/ MIDDLE AGE/ *PSEUDARTHROSIS, surgery

oronka GSh, Pevzner LZ: Vliianie barbamilovogo narkoza razlichnof glubiny na soderzhanie belkov v nefronakh i nefroglii supraopticheskogo i krasnogo ader golovnogo mozga krysy.
Vopr Med Khim 18:412-8, Jul-Aug 72 (Rus)
*AMOBARBITAL, pharmacodynamics/ *ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, metabolism/ MALE/ MATHEMATICS/ *NERVE TISSUE PROTEINS, metabolism/ *NEUROGLIA, metabolism/ *NEURONS, metabolism/ RATS/ *RED NUCLEUS, metabolism/ SLEEP

oss C, Hartmann N, Hübner G: Tierexperimentelle Erzeugung von Fettsucht.
Nahrung 16:551-8, 1972 (37 ref.) (Ger)
ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, adverse effects/ CATS/ CORTICOTROPIN, adverse effects/ CYPROHEPTADINE, adverse effects/ DIET, adverse effects/ DIETARY FATS, adverse effects/ DISEASE MODELS, ANIMAL/ DOGS/ ENGLISH ABSTRACT/ HYPOTHALAMUS, surgery/ INSULIN, adverse effects/ MICE/ MUSTARD COMPOUNDS, adverse effects/ OBESITY, chemically induced/ *OBESITY, etiology/ PHLORHIZIN, adverse effects/ QUINOLINES, adverse effects/ RABBITS/ RATS/ REVIEW

otočková J, Klouček F: Echinokokus orbity.
Cesk Oftalmol 29:192-7, May 73 (Cze)
CHILD/ *ECHINOCOCCOSIS, diagnosis/ ECHINOCOCCOSIS, surgery/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ *ORBIT/ ORBIT, surgery/ VISUAL ACUITY

uros P, Harvey DJ: Influence of 11-trimethylsilyloxy- or 11-hydroxy-substituents on the electron-impact-induced fragmentation of trimethylsilyl derivatives of some androstanols.
Chem Soc [Perkin I] 7:727-32, 1973
*ANDROSTANES/ DEUTERIUM/ ELECTRON TRANSPORT/ HYDROXYLATION/ MASS SPECTRUM ANALYSIS/ METHYLATION/ OXYGEN ISOTOPES/ STRUCTURE-ACTIVITY RELATIONSHIP

wels MR, Willoughby ML: Cyclic chemotherapy in acute lymphoblastic leukaemia of childhood: 5-year survivals.
Arch Dis Child 48:436-40, Jun 73
ACUTE DISEASE/ BONE MARROW CELLS/ CHILD/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, mortality/ LEUKEMIA, LYMPHOBLASTIC, pathology/ *MERCAPTOPURINE, administration & dosage/ MERCAPTOPURINE, therapeutic use/ *METHOTREXATE, administration & dosage/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ REMISSION/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

4019. Vrobel T, Kováč R, Kováčová L: Naše zkušenosti s preparátem Anacyclin.
Cesk Gynekol 38:234-5, May 73 (Cze)
*CONTRACEPTIVES, ORAL, pharmacodynamics/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *LYNESTRENOL, pharmacodynamics/ *MESTRANOL, pharmacodynamics/ OVULATION, drug effects

W

4020. Wagner H: Cell-mediated immune response in vitro. IV. Metabolic studies on cellular immunogenicity.
Eur J Immunol 3:84-9, Feb 73
ANIMAL EXPERIMENTS/ CELL SURVIVAL/ CORTISONE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DACTINOMYCIN, pharmacodynamics/ DNA, biosynthesis/ *IMMUNITY, CELLULAR/ *IMMUNOGENETICS/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MITOMYCIN, pharmacodynamics/ RNA, biosynthesis/ SPLEEN, immunology/ THYMUS GLAND, drug effects/ THYMUS GLAND, immunology/ TISSUE CULTURE

4021. Wagner H, Röllinghoff M: In vitro induction of tumor-specific immunity. I. Parameters of activation and cytotoxic reactivity of mouse lymphoid cells immunized in vitro against syngeneic and allogeneic plasma cell tumors.
J Exp Med 138:1-15, 1 Jul 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS, NEOPLASM/ CHROMIUM ISOTOPES/ CORTISONE, pharmacodynamics/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ HISTOCOMPATIBILITY ANTIGENS/ IMMUNITY, CELLULAR/ IN VITRO/ *LYMPHOCYTES, immunology/ T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, immunology/ MALE/ MICE/ MICE, INBRED STRAINS/ MINERAL OIL/ MITOMYCIN, pharmacodynamics/ NEOPLASM TRANSPLANTATION/ PLASMACYTOMA, chemically induced/ *PLASMACYTOMA, immunology/ RADIATION EFFECTS/ SPLEEN, drug effects/ SPLEEN, immunology/ THYMIDINE, metabolism/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM

4022. Wagner H, Schmidt-Wiederkehr P: Das antidiuretische Hormon (ADH.
Med Monatsschr 27:146-8, Apr 73 (22 ref.) (Ger)
ANIMAL EXPERIMENTS/ CHEMISTRY/ CYTOPLASMIC GRANULES/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ HYPOTHALAMUS, physiology/ MICROSCOPY, ELECTRON/ NEPHRONS, physiology/ NEUROPHYSINS, physiology/ OSMOSIS/ OXYTOCIN/ REVIEW/ *VASOPRESSIN/ VASOPRESSIN, metabolism/ VASOPRESSIN, physiology/ VASOPRESSIN, secretion/ VERTEBRATES

4023. Wagner JF, Veenhuizen EL, Tonkinson LV, et al: Effect of placental gonadotropin on pregnancy rate in the bovine.
J Anim Sci 36:1129-36, Jun 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CHLORMADINONE, administration & dosage/ CHLORMADINONE, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects

4024. Wahlberg JE, Swanbeck G: The effect of urea and lactic acid on the percutaneous absorption of

hydrocortisone.
Acta Derm Venereol (Stockh) 53:207-10, 1973
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ GUINEA PIGS/ HUMAN/ *HYDROCORTISONE, TOPICAL, metabolism/ IN VITRO/ *LACTATES, pharmacodynamics/ OINTMENTS/ *SKIN ABSORPTION, drug effects/ SOLUTIONS/ SPECTROPHOTOMETRY/ STIMULATION, CHEMICAL/ *UREA, pharmacodynamics

4025. **Wahrmann JP, Luzzati D, Winand R:** Changes in adenyl cyclase specific activity during differentiation on an established myogenic cell line.
Biochem Biophys Res Commun 52:576-81, 15 May 73
*ADENYL CYCLASE, metabolism/ *CELL DIFFERENTIATION/ CELL FUSION/ CELL LINE/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ MUSCLES, cytology/ MUSCLES, drug effects/ MUSCLES, enzymology/ *MUSCLES, growth & development/ MUTATION/ PHOSPHORUS ISOTOPES/ RATS/ TEMPERATURE/ TRITIUM

4026. **Wainrach B, Rachima M, Levy MJ:** Lung metastatic choriocarcinoma: chemotherapy and lobectomy.
Chest 63:1029-30, Jun 73
CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, radiography/ CHORIOCARCINOMA, surgery/ *CHORIOCARCINOMA, therapy/ CHORIOCARCINOMA, urine/ DACTINOMYCIN, therapeutic use/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, surgery/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiography/ LUNG NEOPLASMS, surgery/ *LUNG NEOPLASMS, therapy/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PNEUMONECTOMY/ PREGNANCY/ UTERINE NEOPLASMS, surgery

4027. **Waite MA, Tree M, McDermott EA:** The estimation of human renin-substrate concentration by radioimmunoassay of angiotensin I.
J Endocrinol 57:329-30, May 73
*ANGIOTENSIN, blood/ BIOLOGICAL ASSAY/ HUMAN/ METHODS/ RADIOIMMUNOASSAY/ *RENIN

4028. **Wakasugi N:** Studies on fertility of DDK mice: reciprocal crosses between DDK and C57BL/6J strains and experimental transplantation of the ovary.
J Reprod Fertil 33:283-91, May 73
ANIMAL EXPERIMENTS/ BREEDING/ CROSSES, GENETIC/ FEMALE/ *FERTILITY/ FETAL DEATH/ MALE/ MICE/ MICE, INBRED C57BL/ *MICE, INBRED STRAINS, physiology/ NIDATION/ *OVARY, transplantation/ OVUM/ STERILITY, FEMALE, familial & genetic/ TRANSPLANTATION, HOMOLOGOUS

4029. **Wakeling AE, Schmidt TJ, Visek WJ:** Effects of dieldrin on 5 -dihydrotestosterone binding in the cytosol and nucleus of the rat ventral prostate.
Toxicol Appl Pharmacol 25:267-75, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CELL NUCLEUS, enzymology/ *CELL NUCLEUS, metabolism/ CYPROTERONE, pharmacodynamics/ CYTOSOL, enzymology/ *CYTOSOL, metabolism/ DETERGENTS, pharmacodynamics/ *DIELDRIN, pharmacodynamics/ GEL FILTRATION/ IN VITRO/ MALE/ MEMBRANES, drug effects/ PRONASE, pharmacodynamics/ PROSTATE, cytology/ PROSTATE, enzymology/ *PROSTATE, metabolism/ RATS/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ *TESTOSTERONE, metabolism/ TRITIUM

4030. **Wakerley JB, Dyball RE, Lincoln DW:** Milk ejection in the rat: the result of a selective release of oxytocin.
J Endocrinol 57:557-8, Jun 73
ANIMAL EXPERIMENTS/ FEMALE/ *LACTATION/ MAMMAE, physiology/ OXYTOCIN, antagonists & inhibitors/ OXYTOCIN, pharmacodynamics/ *OXYT secretion/ PREGNANCY/ PRESSURE/ *REFLEX/ TRIBROMOETHANOL/ URINATION/ VASOPRESSIN, secretion WATER

4031. **Wakerley JB, Lincoln DW:** The milk-ejection the rat: a 20- to 40-fold acceleration in the paraventricular neurones during oxytocin
J Endocrinol 57:477-93, Jun 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ FEMALE/ *HYPOTHA physiology/ *LACTATION/ MAMMAE, physiology/ MICROELECTRODES/ MICROMANIPULATION/ *NEURONS, physiology/ *OXYTOCIN, secretion/ PITUITARY GLAND, physiology/ PREGNANCY/ PRESSURE/ RATS/ *R SUCKING BEHAVIOR/ TRIBROMOETH URETHANE

4032. **Waldeck F, Siewert R, Jennewein HM, e** Druckprofil im unteren Osophagussphink Menschen und seine Beeinflussung durch Calcitonin und Glucagon.
Dtsch Med Wochenschr 98:1059-63, 25 May
ADULT/ CATHETERIZATION/ ENGLI ABSTRACT/ *ESOPHAGOGASTRIC JU drug effects/ ESOPHAGOGASTRIC JU physiology/ ESOPHAGUS, drug effect ESOPHAGUS, physiology/ FEMALE/ *GLUCAGON, pharmacodynamics/ HUI MALE/ MANOMETRY/ MUSCLE TON effects/ PENTAGASTRIN, antagonists inhibitors/ *PENTAGASTRIN, pharmacodynamics/ PRESSURE/ *THYROCALCITONIN, pharmacodynam TIME FACTORS

4033. **Walinder G, Sjödén AM:** Late effects of irra the thyroid gland in mice. II. Irradiation foetuses.
Acta Radiol [Ther] (Stockh) 11:577-89
ADENOCARCINOMA, etiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CARCINOMA, etiology/ CARCINOMA, PAPILLARY, etiology/ FEMALE/ FE radiation effects/ IODINE ISOTOPES MICE/ MITOSIS, radiation effects/ NEOPLASMS, EXPERIMENTAL/ *NEOPLASMS, RADIATION-INDUCED WEIGHT/ PITUITARY GLAND, anat histology/ PITUITARY NEOPLASMS, PITUITARY NEOPLASMS, pathology/ PREGNANCY/ RADIATION DOSAGE *RADIATION EFFECTS/ THYROID anatomy & histology/ THYROID GL growth & development/ *THYROID radiation effects/ *THYROID NEOPL etiology/ THYROID NEOPLASMS, pa

4034. **Walker DG:** Osteopetrosis cured by t parabiosis. Science 180:875, 25 May
ANIMAL EXPERIMENTS/ MICE/ OSTEOPETROSIS, congenital/ OSTEOPETROSIS, pathology/ *OSTEOPETROSIS, therapy/ *PARA TIBIA, pathology

4035. **Walker DM:** Oral mucosal neuroma-medull carcinoma syndrome. Br J Dermatol 88:59
ADULT/ AGE FACTORS/ *CARCIN complications/ CARCINOMA, diagno CARCINOMA, familial & genetic/ C REPORT/ HUMAN/ MALE/ MOUTH *MOUTH NEOPLASMS, complication NEOPLASMS, diagnosis/ *NEUROMA complications/ NEUROMA, diagnosis SYNDROME/ *THYROID NEOPLASI complications/ THYROID NEOPLASI diagnosis/ THYROID NEOPLASMS, genetic

4036. **Walker JB, Walker JP:** Neurohumoral r adenylate cyclase activity in rat str
Brain Res 54:386-90, 17 May 73
ACETYLCHOLINE, pharmacodynami *ADENOSINE CYCLIC 3',5'

LIBRARY U. OF L. IMPERIAL COLLEGE

MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, enzymology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, enzymology/ *DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GANGLIA, BASAL, enzymology/ HALOPERIDOL, pharmacodynamics/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS

alker JB, Walker JP: Properties of adenylate cyclase from senescent rat brain. Brain Res 54:391-6, 17 May 73
*ADENYL CYCLASE, metabolism/ *AGING/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, enzymology/ CELL-FREE SYSTEM/ CEREBELLUM, drug effects/ CEREBELLUM, enzymology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ DOPAMINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, enzymology/ MALE/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ TRITIUM

alker RF: Influence of subtracheal fat body depletion n thyroid function in the desert iguana. Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ ESTROGENS, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ FEMALE/ GLYCERIDES, pharmacodynamics/ GLYCERIN, pharmacodynamics/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ LIZARDS/ OLEIC ACID, pharmacodynamics/ PITUITARY GLAND, physiology/ PROTEIN-BOUND IODINE TEST/ SEASONS/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood

alker RH, Reed WB: Genetic cutaneous disorders ith gynecologic tumors.
m J Obstet Gynecol 116:485-92, 15 Jun 73
*ADENOCARCINOMA, familial & genetic/ ADENOCARCINOMA, pathology/ ADOLESCENCE/ ADULT/ *CARCINOMA, BASAL CELL, familial & genetic/ CARCINOMA, BASAL CELL, pathology/ FEMALE/ *FIBROMA, familial & genetic/ FIBROMA, pathology/ HUMAN/ KIDNEY NEOPLASMS, familial & genetic/ KIDNEY NEOPLASMS, pathology/ LEIOMYOMA, familial & genetic/ LEIOMYOSARCOMA, familial & genetic/ LEIOMYOSARCOMA, pathology/ *OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ PERIODONTAL CYST, familial & genetic/ PERIODONTAL CYST, pathology/ *SKIN NEOPLASMS, familial & genetic/ SYNDROME/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, pathology

lker S, Andrews J, Gregson NM, et al: Three further ases of triploidy in man surviving to birth. Med Genet 10:135-41, Jun 73
*ABNORMALITIES, MULTIPLE/ ADENOFIBROMA, surgery/ ADULT/ BREAST NEOPLASMS, surgery/ *CHROMOSOME ABNORMALITIES/ FEMALE/ FETAL DEATH/ GONADOTROPINS, CHORIONIC, urine/ HEMORRHAGE, POSTPARTUM/ HUMAN/ HYDATIDIFORM MOLE, complications/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ MALE/ PLACENTA DISORDERS/ *POLYPLOIDY/ PREGNANCY/ PREGNANCY COMPLICATIONS

4041. Walker SE, Bole GG Jr: Influence of natural and synthetic estrogens on the course of autoimmune disease in the NZB-NZW mouse.
Arthritis Rheum 16:231-9, Mar-Apr 73
ALPHA GLOBULIN, analysis/ ANIMAL EXPERIMENTS/ ANTINUCLEAR FACTORS, analysis/ *AUTOIMMUNE DISEASES, chemically induced/ AUTOIMMUNE DISEASES, immunology/ BETA GLOBULIN, analysis/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, analysis/ CASTRATION/ ESTRADIOL/ EVALUATION STUDIES/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN, analysis/ HUMAN/ KIDNEY, pathology/ LEUKOCYTES, immunology/ MALE/ *MESTRANOL/ MICE/ OVARY, physiology/ SEX FACTORS/ TIME FACTORS

4042. Wall JR, Odgers R, Hetzel BS: Immunological studies of the eye changes of thyrotoxicosis.
Aust NZ J Med 3:162-8, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ *AUTOANTIBODIES, analysis/ AZATHIOPRINE, therapeutic use/ BIOLOGICAL ASSAY/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, immunology/ GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *IMMUNOGLOBULINS, analysis/ *LONG-ACTING THYROID STIMULATOR, blood/ MICE/ MUSCLE, SMOOTH, immunology/ STOMACH, immunology/ THYROGLOBULIN/ THYROID GLAND, immunology

4043. Wallace P, Owen K, Thiessen DD: The control and function of maternal scent marking the Mongolian gerbil. Physiol Behav 10:463-6, Mar 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ ESTROGENS, physiology/ FEMALE/ GERBILS/ HOUSING, ANIMAL/ LACTATION/ *MATERNAL BEHAVIOR/ NESTING BEHAVIOR/ OVARY, secretion/ PHEROMONES/ *PREGNANCY, ANIMAL/ PROGESTERONE, physiology/ SEBACEOUS GLANDS, secretion/ SEBUM, secretion/ SEX BEHAVIOR, ANIMAL/ *SMELL/ WEANING

4044. Waller SL: Prostaglandins and the gastrointestinal tract. Gut 14:402-17, May 73 (206 ref.)
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, analysis/ GASTROINTESTINAL MOTILITY/ *GASTROINTESTINAL SYSTEM/ HUMAN/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, analysis/ LINOLEIC ACID, metabolism/ MUSCLE CONTRACTION, drug effects/ PANCREAS, secretion/ *PROSTAGLANDINS/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ REVIEW

4045. Wallois P, Abeille JP, Griton P: Synthèse d'une enquête sur les oestro-progestatifs de synthèse et leurs retentissements sur la circulation veineuse.
Phlebologie 25:227-35, Jul-Sep 72 (Fre)
ADULT/ AGE FACTORS/ *BLOOD CIRCULATION, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ PROGESTATIONAL HORMONES, adverse effects/ THROMBOPHLEBITIS, chemically induced/ TIME FACTORS/ VARICOSE VEINS, chemically induced/ *VASCULAR DISEASES, chemically induced/ VASCULAR DISEASES, occurrence/ *VEINS, drug effects

4046. Walter A: Disseminated intravascular coagulation in

the respiratory distress syndrome of the new born: an autopsy study. Indian J Med Res 60:1267-71, Sep 72
ADRENAL GLANDS, pathology/ AUTOPSY/ BLOOD VESSELS, pathology/ *DISSEMINATED INTRAVASCULAR COAGULATION, complications/ HEMORRHAGE, pathology/ HUMAN/ INFANT, NEWBORN/ LIVER, pathology/ LUNG, blood supply/ *RESPIRATORY DISTRESS SYNDROME, complications/ RESPIRATORY DISTRESS SYNDROME, pathology/ THROMBOSIS, pathology

4047. **Walter G, Mudd JA:** Iodination of vesicular stomatitis virus with lactoperoxidase. Virology 52:574-7, Apr 73
AUTORADIOGRAPHY/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HELA CELLS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *IODINE, metabolism/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ *PEROXIDASES, metabolism/ VESICULAR STOMATITIS VIRUS, analysis/ VESICULAR STOMATITIS VIRUS, growth & development/ *VESICULAR STOMATITIS VIRUS, metabolism/ VIRAL PROTEINS, analysis/ *VIRAL PROTEINS, metabolism

4048. **Walther H:** Beitrag zur Diagnose und Therapie von Haarerkrankungen. Das Trichogramm zur Differntialdiagnose bei Alopezie.
Med Monatsschr 27:35-9, Jan 73 (Ger)
*ALOPECIA, diagnosis/ ALOPECIA, drug therapy/ CHOLECALCIFEROL, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ PYRIDOXINE, therapeutic use/ THALLIUM, therapeutic use/ VITAMIN A, therapeutic use

4049. **Walton GM, Gill GN:** Adenosine 3',5'-monophosphate and protein kinase dependent phosphorylation of ribosomal protein. Biochemistry 12:2604-11, 3 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BUFFERS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CYTOSOL, enzymology/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ KINETICS/ OSMOLAR CONCENTRATION/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN KINASE, metabolism/ RIBOSOMES, drug effects/ *RIBOSOMES, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET

4050. **Wang J, Rogler JC, Doolittle DP:** Effect of alloxan on calcium metabolism in mice and rats.
Horm Metab Res 5:51-2, Jan 73
ALLOXAN/ *ALLOXAN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ FECES, analysis/ HYPERCALCEMIA, chemically induced/ MALE/ MICE/ PARATHYROID HORMONE/ PARATHYROID HORMONE, pharmacodynamics/ RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ RATS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

4051. **Wang Y, Sabow LT, Dee WF:** 131-I study of thyroid tuberculosis mimicking thyroid carcinoma.
CRC Crit Rev Radiol Sci 3:101-3, Jan 72
AGED/ AMINOSALICYLIC ACID, therapeutic use/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ ISONIAZID, therapeutic use/ MALE/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, drug therapy/ *THYROID NEOPLASMS, diagnosis/ *TUBERCULOSIS, ENDOCRINE, diagnosis/ TUBERCULOSIS, ENDOCRINE, drug therapy

4052. **Wapnir RA:** Rat brain and blood gluc metabolic changes in neonatal starvati
Brain Res 57:187-95, 16 Jul 73
AGE FACTORS/ ALANINE, blood/ A metabolism/ *AMINO ACIDS, metaboli ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, metabolism/ FE FOOD DEPRIVATION/ *GLUCONEOG GLUCOSE, metabolism/ GLUTAMATE GLUTAMATES, metabolism/ GLUTAM blood/ GLUTAMINE, metabolism/ GL blood/ GLYCINE, metabolism/ HYPOGLYCEMIA, etiology/ *HYPOGL metabolism/ LACTATION/ RATS/ STARVATION, complications/ *STAR metabolism

4053. **Warburton D, Henderson AS, Shapiro LR, et a** human dicentric chromosome, t dic (12;1 including an intercalary satellite regio centromeres. Am J Hum Genet 25:439-
ADOLESCENCE/ *CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, complications/ CHROMOSOME ABNORMALITIES, fa genetic/ *CHROMOSOMES, HUMAN, *CHROMOSOMES, HUMAN, 13-15/ D REPLICATION/ ERYTHROCYTES, cy FEMALE/ FIBROBLASTS, cytology/ HYBRIDIZATION/ KARYOTYPING/ *OVARY, abnormalities/ OVARY, cy SEX CHROMATIN, analysis/ TRITIU

4054. **Ward H, Whyley GA, Fricker ES, et al:** stable alkaline phosphatase compared w oestriol in abnormal pregnancy.
Aust NZ J Obstet Gynaecol 13:22-8,
*ALKALINE PHOSPHATASE, blood/ WEIGHT/ *ENZYME TESTS/ *ESTR urine/ FEMALE/ FETAL DEATH, d *FETAL DISEASES, diagnosis/ GES AGE/ HEAT/ HUMAN/ HYPERTEN enzymology/ HYPERTENSION, urine MORTALITY/ INFANT, NEWBORN/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, CARDIOVASCUL enzymology/ PREGNANCY COMPLI CARDIOVASCULAR, urine/ PREGN DIABETES, enzymology/ PREGNAN DIABETES, urine/ PREGNANCY, M PREGNANCY TOXEMIAS, enzymolo PREGNANCY TOXEMIAS, urine/ T

4055. **Ward S:** Chemotaxis by the nematode C elegans: identification of attractants an the response by use of mutants.
Proc Natl Acad Sci USA 70:817-21,
ACETATES/ ADENOSINE CYCLIC MONOPHOSPHATE/ ADENOSINE MONOPHOSPHATE/ AMMONIA/ A CHLORIDE/ BROMIDES/ *CHEMOT CHLORIDES/ CYSTEINE/ GUANOS CYCLIC 3',5' MONOPHOSPHATE/ HYDROGEN-ION CONCENTRATION LITHIUM/ LYSINE/ MAGNESIUM/ MUTATION/ *NEMATODA, physiol POTASSIUM/ SODIUM

4056. **Wardle EN:** Exchangeable sodium a hypertension. Lancet 1:934-5, 28 A
EXTRACELLULAR SPACE, metabo HUMAN/ *HYPERTENSION, metab RENIN, blood/ *RENIN, metabolis SODIUM, metabolism

4057. **Ware AJ, Combes B:** Influence of sodium cholestyramine, and mylanta on th absorption of glucocorticoids in th
Gastroenterology 64:1150-5, Jun 73
ANIMAL EXPERIMENTS/ *BILE SALTS, pharmacodynamics/ *CHOLESTYRAMINE, pharmacodyn DUODENUM, drug effects/ DUOD metabolism/ *HYDROCORTISONE, *INTESTINAL ABSORPTION, dru MALE/ *PREDNISOLONE, metabo RADIOISOTOPE SCANNING/ RA TAUROCHOLIC ACID, pharmacod

LIBRARY U. OF L. (MRAM, CHILDREN'S HOSPITAL

rren DW, Haltmeyer GC, Eik-Nes KB: Testosterone the fetal rat testis. Biol Reprod 8:560-5, Jun 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELLS, CULTURED/ CHOLESTEROL, metabolism/ GESTATIONAL AGE/ MALE/ PREGNENOLONE, metabolism/ RATS/ SEX DETERMINATION/ *STEROID HYDROXYLASES, metabolism/ TESTIS, embryology/ *TESTIS, enzymology/ TESTOSTERONE, analysis/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM/ WOLFFIAN DUCT, embryology

rren JE Jr, Hawk HW, Bolt DJ: Evidence for ogestational priming of estradiol-induced luteal gression in the ewe. Biol Reprod 8:435-40, May 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, analysis/ CORPUS LUTEUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, analysis/ *ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ *OVARY, cytology/ OVARY, physiology/ PROGESTERONE, administration & dosage/ PROGESTERONE, analysis/ *PROGESTERONE, pharmacodynamics/ SHEEP/ TIME FACTORS

rtenberg J, Doniach D, Brostoff J, et al: Leucocyte gration inhibition in thyroid disease. Effect of man thyroid microsomes and thyroglobulin. Arch Allergy Appl Immunol 44:396-408, 1973
ADULT/ AGGLUTINATION/ *ANTIGENS/ *AUTOIMMUNE DISEASES, immunology/ CELL MIGRATION INHIBITION/ COMPLEMENT FIXATION TESTS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYPERTHYROIDISM, immunology/ IMMUNITY, CELLULAR/ *LEUKOCYTES, immunology/ MALE/ *MICROSOMES/ MIDDLE AGE/ MYXEDEMA/ THYROGLOBULIN, isolation & purification/ *THYROGLOBULIN, pharmacodynamics/ *THYROID DISEASES, immunology/ THYROID DISEASES, pathology/ *THYROID GLAND, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

rtenberg J, Doniach D, Brostoff J, et al: Leucocyte gration inhibition with mitochondria in human toimmune thyroid disorders.
n Exp Immunol 14:203-12, Jun 73
ANIMAL EXPERIMENTS/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, immunology/ *CELL MIGRATION INHIBITION/ HUMAN/ *HYPERTHYROIDISM, immunology/ IMMUNITY, CELLULAR/ LEUKOCYTES, immunology/ *LIVER CIRRHOSIS, immunology/ MICROSOMES, immunology/ *MITOCHONDRIA, LIVER, immunology/ ORGAN SPECIFICITY/ RATS/ THYROID GLAND, immunology/ THYROIDITIS, immunology/ *THYROIDITIS, LYMPHOMATOUS, immunology

eermann GF, Baldi A, Del Castillo E, et al: tabolism of (3 H)-testosterone by the adrenal of dog: the action of ACTH.
Steroid Biochem 4:217-26, Mar 73
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANDROSTENEDIONE, biosynthesis/ ANDROSTENEDIONE, blood/ ANDROSTENES, biosynthesis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, pharmacodynamics/ CRYSTALLIZATION/ DOGS/ HYDROXYSTEROIDS, biosynthesis/ HYPOPHYSECTOMY/ IN VITRO/ KETOSTEROIDS, biosynthesis/ MALE/ MASS SPECTRUM ANALYSIS/ PERFUSION/ PITUITARY GLAND, physiology/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TRITIUM

anabe T, De Cabrejas ML, Carneiro L, et al: tabolic behaviour of human growth hormone. Nucl Biol Med 16:81-9, Apr-Jun 72
ACROMEGALY, blood/ ADULT/ CUSHING'S SYNDROME, blood/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, blood/ *SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism

4064. **Watanabe T, Garberi JC, Sporn V, et al: Utilización de la sal enriguecida con yodo. Efecto sobre el metabolismo del yodo en una zona no considerada como de endemia bociosa.**
Medicina (B Aires) 32:625-31, Nov-Dec 72 (Spa)
ADOLESCENCE/ ADULT/ ARGENTINA/ ENGLISH ABSTRACT/ FEMALE/ GOITER/ HUMAN/ IODINE, blood/ *IODINE, metabolism/ IODINE, urine/ MALE/ MIDDLE AGE/ *SODIUM CHLORIDE/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS

4065. **Watnick AS, Sabin C: The effect of clonixin and betamethasone on adjuvant-induced arthritis and experimental allergic encephalomyelitis in rats.**
Jap J Pharmacol 22:741-8, Dec 72
ADMINISTRATION, ORAL/ ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *ARTHRITIS, drug therapy/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, therapeutic use/ BLOOD SEDIMENTATION/ COMPARATIVE STUDY/ *ENCEPHALOMYELITIS, ALLERGIC, drug therapy/ ERYTHROCYTES, metabolism/ FREUND'S ADJUVANT/ INFLAMMATION, drug therapy/ LYMPH NODES, anatomy & histology/ MALE/ NICOTINIC ACID, administration & dosage/ *NICOTINIC ACID, therapeutic use/ ORGAN WEIGHT/ PARALYSIS, drug therapy/ RATS/ THYMUS GLAND, anatomy & histology/ TIME FACTORS/ *TOLUIDINES, therapeutic use

4066. **Watson DL, Lascelles AK: Mechanisms of transfer on immunoglobulins into mammary secretion of ewes.**
Aust J Exp Biol Med Sci 51:247-54, Apr 73
AGGLUTINATION TESTS/ ALBUMINS, analysis/ ANIMAL EXPERIMENTS/ ANTIGENS, BACTERIAL/ BRUCELLA ABORTUS, immunology/ COOMBS' TEST/ EPITHELIUM, secretion/ FEMALE/ GEL DIFFUSION TESTS/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNIZATION/ *IMMUNOGLOBULINS/ LACTATION/ LYMPH, analysis/ *MAMMAE, secretion/ MILK, analysis/ PREGNANCY/ SERUM ALBUMIN, analysis/ SHEEP

4067. **Watson GH, Miller V: Arteriohepatic dysplasia: familial pulmonary arterial stenosis with neonatal liver disease.**
Arch Dis Child 48:459-66, Jun 73
ADULT/ AUTOPSY/ BIRTH WEIGHT/ BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEART DEFECTS, CONGENITAL, complications/ *HEART DEFECTS, CONGENITAL, familial & genetic/ HEART DEFECTS, CONGENITAL, pathology/ HUMAN/ HYPERTENSION, familial & genetic/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, familial & genetic/ JAUNDICE, OBSTRUCTIVE, complications/ LIVER DISEASES, diagnosis/ *LIVER DISEASES, familial & genetic/ LIVER FUNCTION TESTS/ MALE/ PEDIGREE/ *PULMONARY ARTERY, abnormalities/ SKIN DISEASES, complications/ SYNDROME

4068. **Wauquier A, Niemegeers CJ: Intracranial self-stimulation in rats as a function of various stimulus parameters. 3. Influence of apomorphine on medial forebrain bundle stimulation with monopolar electrodes.**
Psychopharmacologia 30:163-72, 21 May 73
ANIMAL EXPERIMENTS/ APOMORPHINE, administration & dosage/ *APOMORPHINE, pharmacodynamics/ DIENCEPHALON, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, drug effects/ INJECTIONS, SUBCUTANEOUS/ MALE/ RATS/ *SELF STIMULATION/ STIMULATION, CHEMICAL/ TELENCEPHALON, drug effects

4069. **Wauquier A, Wellens D:** Hypertension provoquée par des excitations électriques progressives de l'hypothalamus chez le rat éveillé.
J Physiol (Paris) 65:Suppl 3:522A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BETHANECHOL COMPOUNDS, pharmacodynamics/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ CLONIDINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ GUANETHIDINE, pharmacodynamics/ HEART RATE, drug effects/ *HYPOTHALAMUS, physiology/ PROPRANOLOL, pharmacodynamics/ RATS

4070. **Wayjen RG van, Ende A van den:** Clinical-pharmacological investigation of the nitrogen-retaining effect of nandrolone cyclotate.
Acta Endocrinol (Kbh) 73:171-8, May 73
ADMINISTRATION, ORAL/ ADULT/ COMPARATIVE STUDY/ CREATININE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ METHANDROSTENOLONE, pharmacodynamics/ NANDROLONE, administration & dosage/ *NANDROLONE, pharmacodynamics/ *NITROGEN, metabolism/ NITROGEN, urine

4071. **Wayner MJ:** Effects of ethyl alcohol on lateral hypothalamic neurons.
Ann NY Acad Sci 215:13-7, 30 Apr 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ALCOHOL DRINKING/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BRAIN, metabolism/ CATS/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ MEMBRANE POTENTIALS/ NEURAL CONDUCTION, drug effects/ *NEURONS, drug effects/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism

4072. **Weber H, Heller S, Kidess E, et al:** Das Verhalten des HLP- Spiegels im Serum und der Ostriolausscheidun bei Schwangeren unter der Behandlung der EPH-Gestose mit Heparin und Complamin.
Med Welt 23:1948-51, 16 Dec 72 **(Ger)**
EDEMA, drug therapy/ *ESTRADIOL, urine/ FEMALE/ *HEPARIN, therapeutic use/ HUMAN/ HYPERTENSION, drug therapy/ *NICOTINIC ACID, therapeutic use/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY TOXEMIAS, drug therapy/ PROTEINURIA, drug therapy/ *THEOPHYLLINE, therapeutic use

4073. **Webster ME, Maling HM, Zweig MH, et al:** Urate crystal induced inflammation in the rat: evidence for the combined actions of kinins, histamine and components of complement.
Immunol Commun 1:185-98, 1972
ANIMAL EXPERIMENTS/ CARBOXYPEPTIDASES, pharmacodynamics/ COLCHICINE, pharmacodynamics/ *COMPLEMENT, physiology/ CYPROHEPTADINE, pharmacodynamics/ EDEMA, prevention & control/ FEMALE/ GOUT, chemically induced/ *GOUT, immunology/ *HISTAMINE, physiology/ *KININS, physiology/ MALE/ METHYSERGIDE, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ RATS/ SEROTONIN, physiology/ TRIPELENNAMINE, pharmacodynamics/ TRIPROLIDINE, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics/ URIC ACID

4074. **Weeke J, Orskov H:** Wick chromatography for the immunoassay of serum thyrotropin.
J Lab Clin Med 82:158-65, Jul 73
ANTIBODIES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, PAPER, instrumentation/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ MYXEDEMA, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERAT *THYROTROPIN, blood/ THYROTRO isolation & purification/ TIME FACT

4075. **Weekers R:** Modifications de l'ophtalmotoni inflammatoires.
Arch Ophtalmol (Paris) 33:239-44, Ma
ADRENAL CORTEX HORMONES, th use/ ATROPINE, therapeutic use/ *CHOROIDITIS, complications/ EPIN therapeutic use/ GLAUCOMA, drug *GLAUCOMA, etiology/ GLAUCOMA, HUMAN/ *INTRAOCULAR PRESSUR *IRITIS, complications/ TONOMETRY *UVEITIS, complications

4076. **Wegner TN, Ray DE, Lox CD, et al:** Effects serum zinc and plasma corticoids in c
J Dairy Sci 56:748-52, Jun 73
ACIDOSIS, blood/ ACIDOSIS, veteri *ADRENAL CORTEX HORMONES, ANIMAL EXPERIMENTS/ CATTLE/ DISEASES, blood/ CORTICOTROPIN pharmacodynamics/ ENVIRONMENT, CONTROLLED/ FEMALE/ HEAT/ H LACTATION/ MASTITIS, BOVINE, PREGNANCY/ STRESS, blood/ *ST veterinary/ *ZINC, blood

4077. **Weidler DJ, Gardner PJ, Earle AM, et al:** Th of Melanoplus differentialis for electro investigation based on hemolymph anatomical studies.
Comp Biochem Physiol [A] 44:807-12
ANIMAL EXPERIMENTS/ AXONS/ metabolism/ CHLORIDES, metaboli ELECTROPHYSIOLOGY/ EVALUAT STUDIES/ FEMALE/ *GRASSHOPP GRASSHOPPERS, anatomy & histol HEMOLYMPH, metabolism/ *HEMO physiology/ MAGNESIUM, metaboli MICROELECTRODES/ NERVOUS S physiology/ OSMOLAR CONCENTR POTASSIUM, metabolism/ SODIUM metabolism/ SPECIES SPECIFICIT

4078. **Weinberger MH, Donohue JP:** Aldosteron
J Urol 110:1-5, Jul 73 (19 ref.)
ADENOMA, diagnosis/ ADRENAL NEOPLASMS, diagnosis/ ALDOSTE blood/ BLOOD PRESSURE, drug e DEXAMETHASONE, diagnostic use DIAGNOSIS, DIFFERENTIAL/ HU HYPERALDOSTERONISM, blood/ *HYPERALDOSTERONISM, diagnos HYPERALDOSTERONISM, radiogra HYPERPLASIA, diagnosis/ HYPER diagnosis/ IODINE ISOTOPES, DIA PHLEBOGRAPHY, adverse effects RADIOIMMUNOASSAY/ RADIOISO SCANNING/ RENIN, blood/ REVI SPIRONOLACTONE, diagnostic use

4079. **Weiner RI, Terkel J, Blake CA, et al:** Cha luteinizing hormone folowing intrave intravenous injections of luteinizin hormone-releasing hormone in the
Neuroendocrinology 10:261-72, 1972
ANIMAL EXPERIMENTS/ CASTR *CEREBRAL VENTRICLES, drug CEREBRAL VENTRICLES, metabo DOSE-RESPONSE RELATIONSHIP EPENDYMA, metabolism/ ESTRU INJECTIONS/ INJECTIONS, INTR *LH, blood/ LH, secretion/ PARA PITUITARY GLAND, drug effect PITUITARY HORMONE RELEASI FACTORS, administration & dosa PITUITARY HORMONE RELEASI FACTORS, blood/ PITUITARY H RELEASING FACTORS, metaboli *PITUITARY HORMONE RELEAS FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ S RATE, drug effects

4080. **Weintraub I, Klisak I, Lagasse LD, et a** specific tumor cytotoxic antibodie cervical cancer patients.

LIBRARY U. OF L. IRVINE CAMPUS

n J Obstet Gynecol 116:985-92, 1 Aug 73
ABSORPTION/ *ANTIBODIES, NEOPLASM, analysis/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENIC DETERMINANTS/ BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, immunology/ CARCINOMA, EPIDERMOID/ CELL LINE/ CERVIX NEOPLASMS, blood/ *CERVIX NEOPLASMS, immunology/ CERVIX UTERI, pathology/ COMPLEMENT FIXATION TESTS/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ HUMAN/ METHODS/ NASOPHARYNGEAL NEOPLASMS, blood/ NASOPHARYNGEAL NEOPLASMS, immunology/ OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASMS, immunology/ UTERINE NEOPLASMS, blood/ UTERINE NEOPLASMS, immunology

r BJ: Another hystricomorph rodent: keeping giragua (Proechimys guairae) in captivity. b Anim 7:125-34, May 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ESTRUS/ FEMALE/ HOUSING, ANIMAL/ MALE/ PREGNANCY/ PUBERTY/ REPRODUCTION/ RODENTS, growth & development/ *RODENTS, physiology/ SEX RATIO/ WEANING

s JS, Weis P: Nerve growth factor versus insulin. ience 180:1301-2, 22 Jun 73
AMPHIBIA/ ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, embryology/ EVOLUTION/ FISHES/ *INSULIN/ INSULIN, physiology/ MICE/ *NERVE GROWTH FACTOR, biosynthesis/ NERVE GROWTH FACTOR, physiology/ SALIVARY GLANDS, metabolism/ SUBMANDIBULAR GLAND, metabolism

se W, Büttner HH, Echtermeyer H: 14 Jahre alte ntrastmitteldepots in beiden Tuben als Folge einer sterosalpingographie. ntralbl Gynaekol 95:457-62, 6 Apr 73 (Ger)
ADULT/ FALLOPIAN TUBES, metabolism/ *FALLOPIAN TUBES, pathology/ FEMALE/ HUMAN/ *HYSTEROSALPINGOGRAPHY, adverse effects/ IODIZED OILS, metabolism/ OVARY, pathology/ TIME FACTORS

s G, Weick RF, Knobil E, et al: An X-O anomaly and arian dysgenesis in a rhesus monkey. lia Primatol (Basel) 19:24-7, 1973
ANIMAL EXPERIMENTS/ ESTROGENS, blood/ FEMALE/ FSH, blood/ KARYOTYPING/ LH, blood/ *MACACA/ *MONKEY DISEASES/ MONKEY DISEASES, blood/ MONKEY DISEASES, familial & genetic/ MONKEY DISEASES, pathology/ MONKEY DISEASES, physiopathology/ MONKEYS/ OVARY, pathology/ PROGESTERONE, blood/ TURNER'S SYNDROME, blood/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, pathology/ TURNER'S SYNDROME, physiopathology/ *TURNER'S SYNDROME, veterinary

ss GB: Inhibition by lanthanum of some cium-related actions in frog rectus abdominis scle. J Pharmacol Exp Ther 185:551-9, Jun 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ FROGS/ HALF-LIFE/ IN VITRO/ KINETICS/ *LANTHANUM, pharmacodynamics/ *MUSCLES, drug effects/ MUSCLES, metabolism/ NICOTINE, pharmacodynamics/ POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ RANA PIPIENS/ SODIUM, metabolism/ TIME FACTORS

ss HJ, Ames RP: Ultrastructural findings in storage ol disease and aspirin-like defects of platelets. n J Pathol 71:447-66, Jun 73
*ADENOSINE DIPHOSPHATE, metabolism/ *ASPIRIN, pharmacodynamics/ BLOOD PLATELET DISORDERS, familial & genetic/ *BLOOD PLATELET DISORDERS, pathology/ BLOOD PLATELET DISORDERS, physiopathology/ *BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, physiology/ COLLAGEN, pharmacodynamics/ CYTOPLASMIC GRANULES/ HUMAN/ MICROSCOPY, ELECTRON/ PLATELET ADHESIVENESS, drug effects/ SEROTONIN, pharmacodynamics

4087. **Weissman SL:** [Microscopic fractures as an etiologic factor in arthrosis and in avascular bone necrosis] Harefuah 84:407-8, 1 Apr 73 (Heb)
BONE AND BONES, blood supply/ *BONE DISEASES, etiology/ FEMUR HEAD NECROSIS, etiology/ *FRACTURES, complications/ HUMAN/ *ISCHEMIA, etiology/ *JOINT DISEASES, etiology/ MICROSCOPY/ *NECROSIS, etiology

4088. **Weiswasser WH, Hall BD, Delavan GW, et al:** Coffin-Siris syndrome. Two new cases. Am J Dis Child 125:838-40, Jun 73
*BONE AND BONES, abnormalities/ *FACE, abnormalities/ FEMALE/ *FINGERS, abnormalities/ *GROWTH DISORDERS/ HUMAN/ INFANT/ MALE/ *MENTAL RETARDATION/ *MUSCULAR DISEASES/ *NAILS, MALFORMED/ SYNDROME

4089. **Wellby ML, O'Halloran MW, Marshall J:** A comparison of effective thyroxine ratio and free thyroxine in serum. Clin Chim Acta 45:255-9, 18 May 73
HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ PROTEIN BINDING/ THYROID DISEASES, blood/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN

4090. **Wells SA, Burdick JF, Ketcham AS, et al:** Transplantation of the parathyroid glands in dogs. Biochemical, histological, and radioimmunoassay proof of function. Transplantation 15:179-82, Jan 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CATTLE/ DOGS/ GRAFT REJECTION/ METHODS/ PARATHYROID GLANDS, anatomy & histology/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, physiology/ *PARATHYROID GLANDS, transplantation/ PARATHYROID HORMONE, analysis/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

4091. **(Welti H), Olivier C:** Henri Welti, 1895-1970. Chirurgie 99:9-15, 10 Jan 73 (Fre)
FRANCE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ THYROIDECTOMY, history

4092. **Wenberg GM, Holland JC:** The circannual variations of thyroid activity in the woodchuck (Marmota monax). Comp Biochem Physiol [A] 44:775-80, 1 Mar 73
ANIMAL EXPERIMENTS/ AROUSAL/ FEMALE/ HIBERNATION/ IODINE ISOTOPES/ MALE/ OXIDATIVE PHOSPHORYLATION, drug effects/ PREGNANCY/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ *RODENTS, metabolism/ SEASONS/ SERUM GLOBULINS/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ TIME FACTORS/ UNCOUPLING AGENTS, pharmacodynamics

4093. **Weniger J, Zeis A:** Sur la sécrétion précoce de testostérone par le testicule embryonnaire de souris. C R Acad Sci [D] (Paris) 275:1431-3, 25 Sep 72 (Fre)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL DIFFERENTIATION/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ MALE/ MICE/ ORGAN CULTURE/ *PROGESTERONE, metabolism/ RABBITS/ RATS/ TESTIS, embryology/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, isolation & purification

4094. **Weniger JP, Zeis A:** Action féminisante exercée en culture in vitro par la testostérone et

l'androstènedione sur le testicule et le canal de Müller d'embryon de poulet.
C R Acad Sci [D] (Paris) 276:597-8, 22 Jan 73 (Fre)
*ANDROGENS, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ FEMALE/ *FEMINIZATION/ IN VITRO/ *17-KETOSTEROIDS, pharmacodynamics/ MALE/ *MULLERIAN DUCTS, drug effects/ MULLERIAN DUCTS, embryology/ *TESTIS, drug effects/ TESTIS, embryology/ *TESTOSTERONE, pharmacodynamics

4095. **Wensing CJ**: Testicular descent in some domestic mammals. 3. Search for the factors that regulate the gubernacular reaction.
Proc K Ned Akad Wet [Biol Med] 76:196-202, 1973
ANIMAL EXPERIMENTS/ CYPROTERONE, pharmacodynamics/ *DOGS, anatomy & histology/ FEMALE/ MALE/ MATERNAL-FETAL EXCHANGE/ RATS/ *SWINE, anatomy & histology/ *TESTIS, anatomy & histology/ TESTIS, drug effects/ TESTIS, embryology/ TESTOSTERONE, pharmacodynamics

4096. **Werning C, Siegenthaler W**: La terapia dell'iperaldosteronismo secondario.
Minerva Med 64:664-6, 14 Mar 73 (Ita)
*ALDOSTERONE, antagonists & inhibitors/ AMINOGLUTETHIMIDE, therapeutic use/ BUTANONES, therapeutic use/ HEPARIN, therapeutic use/ HUMAN/ *HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, surgery/ METYRAPONE, therapeutic use/ SPIRONOLACTONE, therapeutic use/ TRIAMTERENE, therapeutic use/ TRIPARANOL, therapeutic use

4097. **West CD, Mahajan DK, Chavré VJ, et al**: Simultaneous measurement of multiple plasma steroids by radioimmunoassay demonstrating episodic secretion.
J Clin Endocrinol Metab 36:1230-6, Jun 73
ADULT/ CHROMATOGRAPHY, PAPER/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, secretion/ MALE/ METHODS/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion/ TRITIUM

4098. **West CD, Ruley EJ, Forristal J, et al**: Mechanisms of hypocomplementemia in glomerulonephritis.
Kidney Int 3:116-25, Feb 73 (39 ref.)
ACUTE DISEASE/ ADOLESCENCE/ AGE FACTORS/ ANTIGEN-ANTIBODY REACTIONS/ CALCIUM, metabolism/ CHEMOTAXIS/ *COMPLEMENT/ FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN, 19S, analysis/ *GLOMERULONEPHRITIS, immunology/ HUMAN/ IGM, analysis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ NEPHRITIS, microbiology/ NEUTROPHILS/ PROPERDIN, physiology/ REVIEW/ STREPTOCOCCAL INFECTIONS

4099. **West CR, Murphy GP**: Pituitary ablation and disseminated prostatic carcinoma.
JAMA 225:253-6, 16 Jul 73
CRANIOTOMY/ CRYOGENIC SURGERY/ HUMAN/ *HYPOPHYSECTOMY/ INSULIN, diagnostic use/ MALE/ NEOPLASM METASTASIS/ PREOPERATIVE CARE/ PROGNOSIS/ *PROSTATIC NEOPLASMS, therapy/ SOMATOTROPIN, analysis/ STEREOTAXIC TECHNICS

4100. **Westburg SP, Stone OJ**: Multiple cutaneous squamous cell carcinomas during immunosuppressive therapy.
Arch Dermatol 107:893-5, Jun 73
ADULT/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CARCINOMA, EPIDERMOID, drug therapy/ *CARCINOMA, EPIDERMOID, pathology/

CARCINOMA, EPIDERMOID, su
FLUOROURACIL, therapeutic u
HYPERPLASIA, pathology/
*IMMUNOSUPPRESSIVE AGEN
use/ KERATOACANTHOMA, dr
KERATOACANTHOMA, surgery
pathology/ KIDNEY, transplant
NITROGEN, therapeutic use/ P
adverse effects/ PREDNISONE,
use/ SKIN NEOPLASMS, drug
NEOPLASMS, pathology/ SKIN
surgery/ TRANSPLANTATION,

4101. **Westcott JL, Noehren TH**: Bronchial s
sarcoidosis. Chest 63:893-7, Jun
AGED/ AIRWAY OBSTRUCTIO
AIRWAY OBSTRUCTION, phy
AIRWAY OBSTRUCTION, radi
BRONCHIAL DISEASES, drug
*BRONCHIAL DISEASES, etiol
BRONCHIAL DISEASES, physi
BRONCHIAL DISEASES, radio
CHLORAMBUCIL, therapeutic
CONSTRICTION, etiology/ FE
MIDDLE AGE/ PREDNISONE,
*SARCOIDOSIS, complications/
drug therapy/ SARCOIDOSIS,
SARCOIDOSIS, radiography/ S

4102. **Wetzer K**: Uber die Trefferquote
durchgeführten perbronchialen
Z Erkr Atmungsorgane 137:249-
ADULT/ AGED/ *BIOPSY, N
BRONCHIAL NEOPLASMS, di
CYTODIAGNOSIS/ EVALUAT
EYE NEOPLASMS, diagnosis/
HUMAN/ *LYMPHOMA, diagn
LYMPHOMA, pathology/ LYM
radiography/ MALE/ *MEDIA
NEOPLASMS, diagnosis/ MED
NEOPLASMS, pathology/ ME
NEOPLASMS, radiography/ M
diagnosis/ METHODS/ MIDDL
NEOPLASM METASTASIS/ T
NEOPLASMS, diagnosis

4103. **Wheeler EF**: Food intake and rate o
healthy breast-fed infants.
Am J Clin Nutr 26:631-9, Ju
*BODY WEIGHT/ *BREAST
CARBOHYDRATES, analysis/
PRESCHOOL/ DIET/ FEEDI
FEMALE/ GENETICS, HUMA
INFANT/ INFANT FOOD/ *
NUTRITION/ LACTATION/
metabolism/ MALE/ MATHE
HUMAN, metabolism/ MILK
metabolism/ MINERALS, ana
NITROGEN, metabolism/ NU
REQUIREMENTS/ PREGNAN
ANALYSIS

4104. **Wheeler L, Strother A**: Comp
solubilization and a wet combusti
measurement in dried biolog
Anal Biochem 53:42-8, May 7
AMMONIUM COMPOUNDS/
EXPERIMENTS/ *BRAIN CH
*CARBON ISOTOPES, analy
COMPARATIVE STUDY/ FE
metabolism/ HEAT/ *KIDNE
*LIVER, metabolism/ *LUNG
MATHEMATICS/ METHODS
metabolism/ *PLACENTA, m
PREGNANCY/ RATS/ SEVI
SOLUBILITY/ SOLVENTS/

4105. **Whitaker AN, Emmerson BT, Bur**
of renal failure in Wegener'
heparin. Am J Med Sci 26
AZATHIOPRINE, therapeuti
BLOOD COAGULATION TE
DISSEMINATED INTRAVAS
COAGULATION, complicati
DISSEMINATED INTRAVAS
COAGULATION, pathology/
analysis/ *HEPARIN, thera
HUMAN/ IMMUNOSUPPRE
therapeutic use/ KIDNEY,
FAILURE, CHRONIC, comp

LIBRARY U. OF L. IRRAWADDY CAMPUS

AILURE, CHRONIC, drug therapy/ KIDNEY
AILURE, CHRONIC, etiology/ KIDNEY
LOMERULUS, pathology/ PREDNISONE,
erapeutic use/ PREGNANCY/ WEGENER'S
RANULOMATOSIS, complications/
VEGENER'S GRANULOMATOSIS, drug
erapy/ WEGENER'S GRANULOMATOSIS,
thology

ker EM, Snow HM, Kappagoda CT, et al: Has the diuretic hormone a role in the diuresis from ulation of atrial receptors. Clin Sci 44:27P, Jun 73
NIMAL EXPERIMENTS/ BIOLOGICAL
SSAY/ *DIURESIS/ DOGS/ *HEART
TRIUM, innervation/ HYPOPHYSECTOMY/
ECHANORECEPTORS, physiology/ RATS/
ASOPRESSIN, blood/ *VASOPRESSIN,
ysiology

KC: Ovarian tumors in pregnancy. A private ital ten year survey.
J Obstet Gynecol 116:544-50, 15 Jun 73
OLESCENCE/ ADULT/ CORPUS LUTEUM
ST, surgery/ CYSTADENOCARCINOMA,
mplications/ CYSTADENOCARCINOMA,
currence/ CYSTADENOMA, MUCINOUS,
mplications/ CYSTADENOMA, MUCINOUS,
currence/ CYSTADENOMA, MUCINOUS,
rgery/ DERMOID CYST, complications/
RMOID CYST, occurrence/ DERMOID
ST, surgery/ FEMALE/ FOLLOW-UP
UDIES/ GESTATIONAL AGE/ HUMAN/
VARIAN NEOPLASMS, complications/
ARIAN NEOPLASMS, diagnosis/ OVARIAN
OPLASMS, occurrence/ OVARIAN
OPLASMS, surgery/ PARITY/
EGNANCY/ *PREGNANCY
MPLICATIONS/ THECA CELL TUMOR,
mplications/ THECA CELL TUMOR,
gnosis/ THECA CELL TUMOR, occurrence/
ECA CELL TUMOR, surgery

NM: Self-stimulation and suppression of feeding rved at the same site in the amygdala.
iol Behav 10:215-9, Feb 73
MYGDALOID BODY, physiology/ ANIMAL
PERIMENTS/ CONDITIONING, OPERANT/
ECTRIC STIMULATION/ ELECTRODES,
PLANTED/ EXPLORATORY BEHAVIOR/
ASTING/ FEEDING BEHAVIOR/ FOOD
PRIVATION/ HOUSING, ANIMAL/
HIBITION (PSYCHOLOGY)/ LATERALITY/
ALE/ RATS/ REINFORCEMENT SCHEDULE/
TIATION/ *SELF STIMULATION

WF, Hedlund MT, Rippel RH, et al: Chemical and ical properties of gonadotropin releasing one synthesized by the solid-phase method. crinology 93:96-106, Jul 73
IDES, chem synthesis/ AMIDES,
rmacodynamics/ ANIMAL EXPERIMENTS/
OLOGICAL ASSAY/ CRYSTALLIZATION/
MALE/ FSH, blood/ FSH, secretion/ GEL
LTRATION/ *GONADOTROPINS/ LH, blood/
, secretion/ OVULATION, drug effects/
PTIDES, chem synthesis/ PEPTIDES,
rmacodynamics/ *PITUITARY HORMONE
LEASING FACTORS/ PITUITARY
RMONE RELEASING FACTORS, chem
thesis/ PITUITARY HORMONE
LEASING FACTORS, pharmacodynamics/
BBITS/ RADIOIMMUNOASSAY/ RATS/
EKP

head PE, McEwan EH: Seasonal variation in the e testosterone concentration of reindeer and ou. Can J Zool 51:651-8, Jun 73
IMAL EXPERIMENTS/ *ARTIODACTYLA,
ysiology/ *DEER, physiology/ MALE/
ASONS/ *TESTOSTERONE, blood

locke RA, Eakins KE: Vascular changes in the ior uvea of the rabbit produced by aglandins. Arch Ophthalmol 89:495-9, Jun 73
IMAL EXPERIMENTS/ *BLOOD VESSELS,
g effects/ FLUORESCENCE
GIOGRAPHY/ INTRAOCULAR PRESSURE,
g effects/ IRIS, blood supply/
RMEABILITY/ PHLORETIN,
rmacodynamics/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *UVEA, blood supply/ *VASODILATOR AGENTS/ VASODILATOR AGENTS, antagonists & inhibitors

4112. Whitelocke RA, Eakins KE, Bennett A: Acute anterior uveitis and prostaglandins.
Proc R Soc Med 66:429-34, May 73 (28 ref.)
ACETAMINOPHEN, therapeutic use/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, analysis/ EYE, drug effects/ FLUOCINOLONE ACETONIDE, therapeutic use/ FLUORESCENCE ANGIOGRAPHY/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ INDOMETHACIN, therapeutic use/ INTRAOCULAR PRESSURE, drug effects/ IRIDOCYCLITIS, drug therapy/ PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ REVIEW/ SALICYLATES, therapeutic use/ UVEITIS, drug therapy/ *UVEITIS, etiology

4113. Whitfield JF, MacManus JP, Gillan DJ: The calcium-dependent stimulation of thymic lymphoblast DNA synthesis and proliferation by a low concentration of cortisol.
Horm Metab Res 5:200-4, May 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CELL DIVISION, drug effects/ CELLS, CULTURED/ COLCHICINE/ *DNA, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ ISOTOPE LABELING/ *LYMPHOCYTES, metabolism/ MALE/ RATS/ THYMUS GLAND, drug effects/ *THYMUS GLAND, metabolism/ TIME FACTORS/ TRITIUM

4114. Whitmore D Jr, Applebaum SW, Gilbert LI: Cyclic AMP phosphodiesterase activity in the midgut of Manduca sexta. J Insect Physiol 19:349-54, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYDROGEN-ION CONCENTRATION/ *INSECTS, enzymology/ LARVA, enzymology/ *PHOSPHODIESTERASES, metabolism

4115. Whitworth JA: "Ischaemic" malabsorption due to mesenteric artery occlusion: an antecedent role of Hashimoto thyroiditis? Med J Aust 1:804-5, 21 Apr 73
ARTERIOSCLEROSIS, etiology/ AUTOPSY/ CASE REPORT/ FEMALE/ HUMAN/ INTESTINE, SMALL, pathology/ *MALABSORPTION SYNDROMES, etiology/ *MESENTERIC ARTERIES/ *MESENTERIC VASCULAR OCCLUSION, complications/ MIDDLE AGE/ THROMBOSIS, complications/ *THYROIDITIS, LYMPHOMATOUS, complications/ THYROIDITIS, LYMPHOMATOUS, pathology

4116. Whyte HM, Nestel PJ, Pryke ES: Bile acid and cholesterol excretion with carbohydrate-rich diets.
J Lab Clin Med 81:818-28, Jun 73
ADOLESCENCE/ ADULT/ BILE, secretion/ BILE ACIDS AND SALTS, analysis/ *BILE ACIDS AND SALTS, metabolism/ BILE ACIDS AND SALTS, secretion/ CARBON ISOTOPES/ CHOLESTEROL, administration & dosage/ CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHOLESTEROL, secretion/ CIRCADIAN RHYTHM/ *DIETARY CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ FATTY ACIDS, metabolism/ FATTY ACIDS, UNSATURATED, metabolism/ FECES, analysis/ HUMAN/ MALE/ SECRETORY RATE/ STEROIDS, analysis/ SUCROSE, metabolism/ TRIGLYCERIDES, blood/ TRITIUM

4117. Widjajakusuma MC, Basrur PK, Robinson GA: Thyroid function in molybdenotic rabbits.
J Endocrinol 57:419-24, Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ EPITHELIAL CELLS/ HEMATOCRIT/ HEMOGLOBIN/ HYPOTHYROIDISM, chemically induced/ MALE/ *MOLYBDENUM, pharmacodynamics/ MOLYBDENUM, toxicity/

RABBITS/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

4118. **Wiegershausen B, Rostock G, Paegelow I:** Der Einfluss einiger Lokalanaesthetika auf die erregende Wirkung von Bradykinin am glatten Muskel. 3. Weitere Untersuchungen zur Verstärkung der Bradykininkontraktion am Meerschweinchen-Ileum durch Lokalanaesthetika und Chymotrypsin in Abhängigkeit von Temperatur und Elektrolytkonzentration.
Arch Int Pharmacodyn Ther 201:106-14, Jan 73 (Ger)
*ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRADYKININ, pharmacodynamics/ CALCIUM, metabolism/ *CHYMOTRYPSIN, pharmacodynamics/ COCAINE, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ GUINEA PIGS/ ILEUM, drug effects/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ POTASSIUM, metabolism/ PROCAINE, pharmacodynamics/ TEMPERATURE/ TETRACAINE, pharmacodynamics

4119. **Wiernikowski A, Guzik E:** Ostre zatrucie kwasem mrówkowym. Przegl Lek 30:395-6, 1973 (Pol)
ACUTE DISEASE/ FEMALE/ *FORMIC ACIDS, poisoning/ HUMAN/ HYDROCORTISONE, therapeutic use/ MIDDLE AGE/ PENICILLIN G, PROCAINE, therapeutic use/ POISONING, drug therapy/ THIAMINE PYROPHOSPHATE, therapeutic use

4120. **Wiggins JR, Danilo P Jr, Gelband H, et al:** Nicotine and potassium chloride contracture in mammalian ventricle. J Pharmacol Exp Ther 185:457-67, Jun 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART RATE, drug effects/ *HEART VENTRICLE, drug effects/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ NICOTINE, administration & dosage/ *NICOTINE, pharmacodynamics/ PERFUSION/ POTASSIUM, administration & dosage/ *POTASSIUM CHLORIDE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SARCOLEMMA, metabolism

4121. **Wijk R van, Wicks WD, Bevers MM, et al:** Rapid arrest of DNA synthesis by N 6 ,O 2' -dibutyryl cyclic adenosine 3',5'-monophosphate in cultured hepatoma cells. Cancer Res 33:1331-8, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AUTORADIOGRAPHY/ BUTYRATES, pharmacodynamics/ CELLS, CULTURED/ DEOXYADENOSINE, metabolism/ DEOXYCYTIDINE, metabolism/ *DNA, NEOPLASM, biosynthesis/ GUANOSINE, metabolism/ *HEPATOMA, metabolism/ MITOSIS, drug effects/ NEOPLASMS, EXPERIMENTAL/ THYMIDINE, metabolism/ THYMIDINE, pharmacodynamics/ THYMINE NUCLEOTIDES, analysis/ TRITIUM

4122. **Wilber JF:** Thyrotropin releasing hormone: secretion and actions. Annu Rev Med 24:353-64, 1973 (98 ref.)
ADENYL CYCLASE, metabolism/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, enzymology/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHALAMUS, physiology/ HYPOTHYROIDISM, physiopathology/ NUCLEOTIDASES, metabolism/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROID GLAND, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, physiology/ *THYROTROPIN RELEASING FACTOR, secretion

4123. **Wilczek H, Silinková-Málková E, Kristof M, et al:** Vliv antikonvulzívních léků na metabolismus vitamínu.
Sb Lek 75:193-8, Jul 73
ADOLESCENCE/ ADULT/ *ANTICONVULSANTS, adverse eff
ENGLISH ABSTRACT/ FEMALE/ MALE/ MIDDLE AGE/ *OSTEOMA
chemically induced/ OSTEOPOROS
chemically induced/ *VITAMIN D, VITAMIN D DEFICIENCY, chemic

4124. **Wilde CD, Jaworski ZF, Villanueva**
Quantitative histological measureme
turnover in primary hyperparathyr
Calcif Tissue Res 12:137-42, 9 May
*ADENOMA, pathology/ ADULT/
BIOPSY/ *BONE AND BONES, pa
BONE DEVELOPMENT/ BONE RE
CHILD, PRESCHOOL/ FEMALE/
*HYPERPARATHYROIDISM, patho
MIDDLE AGE/ PARATHYROID H
physiology/ *PARATHYROID NEO
pathology/ RIBS, pathology/ TET

4125. **Wildes RA, Evans HJ, Chiu J:** Effects of
adenosine diphosphate-adenosine tri
exchange reaction catalyzed by rat brai
Biochim Biophys Acta 307:162-8, 2
*ADENOSINE DIPHOSPHATE, me
ADENOSINE TRIPHOSPHATASE,
*ADENOSINE TRIPHOSPHATE, m
AMMONIUM CHLORIDE, pharmac
ANIMAL EXPERIMENTS/ BIOLO
TRANSPORT/ BRAIN, cytology/
enzymology/ BRAIN, metabolism/
ISOTOPES/ CATIONS, MONOVAL
CHROMATOGRAPHY, THIN LAY
IODIDES/ *MAGNESIUM, pharma
MEMBRANES, metabolism/ MICR
enzymology/ *MICROSOMES, meta
OLIGOMYCIN, pharmacodynamics,
*SODIUM, pharmacodynamics

4126. **Wilén PE, Fridberg G:** Ultrastructural
ontogenesis of the caudal neurosecre
the roach, Leuciscus rutilus.
Z Anat Entwicklungsgesch 139:207-
ANIMAL EXPERIMENTS/ AXONS
*CYPRINIDAE, embryology/ CYT
GRANULES/ EPENDYMA, cytolo
MICROSCOPY, ELECTRON/
NEUROSECRETORY SYSTEMS, c
*NEUROSECRETORY SYSTEMS,

4127. **Willard D:** Primary pituitary dysg
Pediatrics 57:586, Mar 73
ABNORMALITIES, MULTIPLE/
HYPOGLYCEMIA, complications/
NEWBORN/ *PITUITARY GLAN
abnormalities/ RESPIRATORY
INSUFFICIENCY, complications

4128. **Willgerodt H:** Wachstum und Stof
Kaninchenplazenta im letzten Dri
Gestationszeit.
Acta Biol Med Ger 30:69-77, 197
ALANINE AMINOTRANSFERASE
ANIMAL EXPERIMENTS/ ASPA
AMINOTRANSFERASE, analysis/
ABSTRACT/ FEMALE/ GLUCOS
DEHYDROGENASE, analysis/ GL
DEHYDROGENASE, analysis/ GL
analysis/ ISOCITRATE DEHYDR
analysis/ LACTATE DEHYDROG
analysis/ NADP/ ORGAN WEIG
PLACENTA, analysis/ PLACENT
enzymology/ *PLACENTA, growt
development/ *PLACENTA, meta
PREGNANCY/ *PREGNANCY, A
PROTEINS, analysis/ RABBITS/
FACTORS

4129. **Willgerodt H, Theile H, Keller E:** De
hormoninduzierten Verlängerung d
Placenta und Foeten bei Kaninc
Acta Biol Med Ger 30:57-67, 197
ANIMAL EXPERIMENTS/ BODY
CHLORMADINONE, pharmacody
*CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH A
FEMALE/ *FETUS, drug effect
GESTATIONAL AGE/ GLYCOG

LIBRARY U. OF L. URBANA CAMPUS

LIVER/ LIVER, analysis/ LIVER, enzymology/ RGAN WEIGHT/ PLACENTA, analysis/ PLACENTA, drug effects/ PLACENTA, nzymology/ PREGNANCY/ *PREGNANCY, NIMAL, drug effects/ *PREGNANCY, ROLONGED, drug effects/ RABBITS/ RNA, nalysis/ TIME FACTORS

ams DM, Lynch RE, Cartwright GE: Drug-induced stic anemia.
in Hematol 10:195-223, Jul 73 (73 ref.)
DOLESCENCE/ ADULT/ AGE FACTORS/ GED/ ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, chemically induced/ NEMIA, APLASTIC, complications/ ANEMIA, PLASTIC, diagnosis/ ANEMIA, APLASTIC, rug therapy/ ANEMIA, APLASTIC, mortality/ NEMIA, APLASTIC, therapy/ BACTERIAL NFECTIONS, complications/ BLOOD CELL OUNT/ BLOOD TRANSFUSION/ BONE ARROW EXAMINATION/ CHILD/ DRUG HERAPY, adverse effects/ FEMALE/ EPATITIS, INFECTIOUS, complications/ UMAN/ MALE/ MIDDLE AGE/ REVIEW/ EX FACTORS/ SPLENECTOMY/ TIME ACTORS

ams RH, Thompson WJ: Effect of age upon guanyl ase, adenyl cyclase, and cyclic nucleotide sphodiesterases in rats.
e Soc Exp Biol Med 143:382-7, Jun 73
DENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENYL CYCLASE, metabolism/ AGE ACTORS/ GUANOSINE CYCLIC 3',5' ONOPHOSPHATE/ *GUANYL CYCLASE, etabolism/ HUMAN/ *LIVER, enzymology/ LUNG, enzymology/ MALE/ *MUSCLES, nzymology/ *MYOCARDIUM, enzymology/ PHOSPHODIESTERASES, metabolism/ RATS

amson JH, Procunier JD, Church RB: Does the A in the Y chromosome of Drosophila anogaster magnify?
ure [New Biol] 243:190-1, 6 Jun 73
LLELES/ ANIMAL EXPERIMENTS/ *DNA, osynthesis/ DNA, metabolism/ ROSOPHILA MELANOGASTER/ ENOTYPE/ MALE/ MUTATION/ NUCLEIC CID HYBRIDIZATION/ PHENOTYPE/ RNA/ NA, RIBOSOMAL, metabolism/ *SEX HROMOSOMES

a K: La terapia citostatica dei tumori maligni dei icoli. Minerva Med 64:666-9, 14 Mar 73 (Ita)
CTINOMYCIN, therapeutic use/ NTINEOPLASTIC AGENTS, therapeutic use/ HLORAMBUCIL, therapeutic use/ SGERMINOMA, drug therapy/ HUMAN/ ALE/ METHOTREXATE, therapeutic use/ ITHRAMYCIN, therapeutic use/ TERATOID UMOR, drug therapy/ *TESTICULAR EOPLASMS, drug therapy

n IC, Lara PP, Prange AJ Jr: rotrophin-releasing hormone in schizophrenia. et 819:43-4, 7 Jul 73
DULT/ FEMALE/ HUMAN/ PLACEBOS/ SYCHIATRIC STATUS RATING SCALES/ CHIZOPHRENIA, drug therapy/ HYROTROPIN RELEASING FACTOR, erapeutic use

n IC, Prange AJ Jr, Lara PP, et al: THR remone): psychobiological responses of normal en. I. Subjective experiences.
Gen Psychiatry 29:15-21, Jul 73
DULT/ *AFFECT, drug effects/ CASE EPORT/ DEPRESSION/ FEMALE/ HUMAN/ JECTIONS, INTRAVENOUS/ MIDDLE AGE/ LACEBOS/ PSYCHIATRIC STATUS RATING CALES/ THYROTROPIN RELEASING ACTOR, administration & dosage/ HYROTROPIN RELEASING FACTOR, armacodynamics

n JF, Dodd JM: Effects of pharmacological agents he in vivo release of melanophore-stimulating one in the dogfish, Scyliorhinus canicula.
Comp Endocrinol 20:556-66, Jun 73
ETYLCHOLINE, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ ERGOTAMINE, pharmacodynamics/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, physiology/ ISOPROTERENOL, pharmacodynamics/ MELATONIN, pharmacodynamics/ *MSH, secretion/ NOREPINEPHRINE, pharmacodynamics/ PEPTIDES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PITUITARY GLAND, physiology/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, DRUG/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *SHARKS, physiology

4137. Wilson L, Williams DI, Marsh SD: Plasma corticosteroid levels in out-patients treated with topical steroids. Br J Dermatol 88:373-80, Apr 73
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ ADULT/ AGE FACTORS/ AGED/ CHILD/ ECZEMA, drug therapy/ FEMALE/ GLUCOCORTICOIDS, TOPICAL, administration & dosage/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PSORIASIS, drug therapy/ SEX FACTORS/ *SKIN DISEASES, drug therapy/ TIME FACTORS

4138. Wilson R: Acute high-altitude illness in mountaineers and problems of rescue.
Ann Intern Med 78:421-8, Mar 73 (69 ref.)
ACCLIMATIZATION/ ACETAZOLAMIDE, therapeutic use/ ACUTE DISEASE/ *ALTITUDE/ *ANOXIA/ ANOXIA, complications/ ANOXIA, therapy/ BRAIN EDEMA, etiology/ COMA, etiology/ DEXAMETHASONE, therapeutic use/ FUROSEMIDE, therapeutic use/ HEADACHE, etiology/ HUMAN/ MORPHINE, therapeutic use/ *MOUNTAINEERING/ NEUROLOGIC MANIFESTATIONS/ OXYGEN INHALATION THERAPY/ PULMONARY EDEMA, etiology/ REVIEW/ *TRANSPORT OF WOUNDED AND SICK/ VISION DISORDERS, etiology

4139. Winand R, Kohn LD: Action des gammaglobulines extraites du sérum des patients exophtalmes sur la liaison de la thyrotropine et de son dérivé exophtalmiant aux récepteurs membranaires du tissu rétrooculaire.
Arch Int Physiol Biochim 81:215-6, Feb 73 (Fre)
BINDING SITES, ANTIBODY/ CELL MEMBRANE/ EXOPHTHALMOS, immunology/ EYE, cytology/ *GAMMA GLOBULIN, pharmacodynamics/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ PROTEIN BINDING/ RECEPTORS, DRUG/ *THYROTROPIN, metabolism

4140. Winand R, Mahieu P: Prevention of malignant exophthalmos after treatment of thyrotoxicosis.
Lancet 1:1196, 26 May 73
AZATHIOPRINE, therapeutic use/ *EXOPHTHALMOS, prevention & control/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, immunology

4141. Winiarska-Majczyno M, Wróblewska-Cieliszak K: Rozwój narządu żucia u dzieci po przebytej krzywicy w świetle własnych obserwacji.
Czas Stomatol 26:537-41, 1973 (Pol)
CHILD, PRESCHOOL/ *DENTITION, growth & development/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ *MAXILLOFACIAL DEVELOPMENT/ *RICKETS, complications/ VITAMIN D DEFICIENCY, complications

4142. Winkelstein A, Segel D, Stolzer BL, et al: Immunosuppressive therapy.
Am J Med Sci 265:92-108, Feb 73
ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ ARTHRITIS, RHEUMATOID, drug therapy/ AZATHIOPRINE, therapeutic

use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENTERITIS, REGIONAL, drug therapy/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, immunology/ GLUCOCORTICOIDS, therapeutic use/ HEPATITIS, drug therapy/ HEPATITIS, immunology/ HUMAN/ IMMUNITY, drug effects/ IMMUNITY, CELLULAR, drug effects/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ NEPHROTIC SYNDROME, drug therapy/ PURPURA, THROMBOPENIC, drug therapy

4143. **Winkler K:** Talgrüsenaktivität im Spiegel endokriner Vorgänge.
Z Haut Geschlechtskr 47:925-30, 15 Nov 72 (Ger)
ACROMEGALY, metabolism/ ADRENOGENITAL SYNDROME, metabolism/ ANABOLIC STEROIDS, adverse effects/ ANABOLIC STEROIDS, pharmacodynamics/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CUSHING'S SYNDROME, metabolism/ CYPROTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ GERBILS/ HUMAN/ LARYNGEAL DISEASES, chemically induced/ MALE/ *PREGNADIENES, pharmacodynamics/ *SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, physiology/ SHEEHAN'S SYNDROME, metabolism/ SKIN, drug effects/ STEIN-LEVENTHAL SYNDROME, metabolism/ *TESTOSTERONE, pharmacodynamics

4144. **Winter D, Dobre V, Oeriu S:** Calcium transport across intestinal wall as related to age.
Exp Gerontol 8:17-21, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, administration & dosage/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM CHLORIDE, diagnostic use/ CALCIUM ISOTOPES/ DIFFUSION/ *INTESTINAL ABSORPTION/ INTESTINES, analysis/ MALE/ RATS

4145. **Winters WD, Alcaraz M, Cervantes MY, et al:** The synergistic effect of reduced visual input on ketamine action: the possible role of the pineal gland.
Neuropharmacology 12:407-16, May 73
ANIMAL EXPERIMENTS/ ATAXIA, metabolism/ BRAIN CHEMISTRY, drug effects/ CATS/ DENERVATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ KETAMINE, administration & dosage/ *KETAMINE, pharmacodynamics/ MALE/ *PHOTIC STIMULATION/ *PINEAL BODY, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology

4146. **Wise CD, Berger BD, Stein L:** Evidence of -noradrenergic reward receptors and serotonergic punishment receptors in the rat brain.
Biol Psychiatry 6:3-21, Feb 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ *BRAIN, drug effects/ BRAIN CHEMISTRY, drug effects/ CEREBRAL VENTRICLES, drug effects/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ CONFLICT (PSYCHOLOGY)/ HYPOTHALAMUS, physiology/ NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PUNISHMENT/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *REWARD/ SELF STIMULATION/ SEROTONIN, pharmacodynamics/ STEREOTAXIC TECHNICS

4147. **Wise GE, Prescott DM:** Initiation and continuation of DNA replication are not associated with the nuclear envelope in mammalian cells.
Proc Natl Acad Sci USA 70:714-7
*CELL NUCLEUS, metabolism/ C CULTURED/ CYTOSINE NUCLEO metabolism/ *DNA REPLICATION REPLICATION, drug effects/ FLUORODEOXYURIDINE, pharma HAMSTERS/ MEMBRANES, meta METHOTREXATE, pharmacodyna MICROSCOPY, ELECTRON/ OVA THYMIDINE, metabolism/ TRITI

4148. **Wise RA, Erdmann E:** Emotionality normal eating: implications for in electrically induced behavior.
Behav Biol 8:519-31, Apr 73
ANIMAL EXPERIMENTS/ AROU DRINKING/ *EATING/ ELECTRI STIMULATION/ *EMOTIONS/ E BEHAVIOR/ FOOD DEPRIVATIO PREFERENCES/ HOUSING, ANI *HUNGER/ HYPOTHALAMUS, p INHIBITION (PSYCHOLOGY)/ M TASTE

4149. **Wishart DF, Snowball JB:** Endosc observation of the ovary in situ
Vet Rec 92:139-43, 10 Feb 73
ANESTHESIA, LOCAL, veterina EXPERIMENTS/ CATHETERIZA veterinary/ *CATTLE, anatomy ENDOSCOPY, instrumentation/ veterinary/ FEMALE/ FIBER O METHODS/ *OVARY, anatomy & PHOTOGRAPHY/ SURGERY, OP

4150. **Wishart JM:** Reticulosarcoma of the vu dermatomyositis treated by immu
Proc R Soc Med 66:330, Apr 7
ADULT/ AZATHIOPRINE, thera DERMATOMYOSITIS, complicati *DERMATOMYOSITIS, drug the ERYTHEMA/ FEMALE/ HUMA *IMMUNOSUPPRESSIVE AGENT effects/ METRONIDAZOLE, the PREDNISOLONE, therapeutic u RETICULUM CELL, drug thera *SARCOMA, RETICULUM CELL VULVAR NEOPLASMS, drug th *VULVAR NEOPLASMS, etiolog

4151. **Witherspoon DM:** Current practic nymphomania in a mare.
J Am Vet Med Assoc 163:168,
ANIMAL EXPERIMENTS/ EST *HORSE DISEASES, diagnosis/ DISEASES, diagnosis/ *OVARIA veterinary/ SEASONS/ *SEX B ANIMAL

4152. **Wittkowski W:** Elektronenmikrosk Untersuchungen zur funktionellen Tubero-hypophysären Systems d
Z Zellforsch Mikrosk Anat 139:101-4
ADRENALECTOMY/ ANIMAL BIOMETRY/ CONNECTIVE TIS CORTICOTROPIN RELEASING CYTOPLASM/ CYTOPLASMIC DENDRITES/ ENDOPLASMIC ENGLISH ABSTRACT/ EPEND FEMALE/ *HYPOTHALAMUS, MALE/ MICROSCOPY/ MICRO ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ NERVE DE NERVE ENDINGS, cytology/ N MYELINATED, cytology/ NEU cytology/ NEURONS, cytology/ PHAGOCYTOSIS/ RATS/ RIBO SYNAPSES, cytology

4153. **Wittstruck TA, Williams KI:** Ca resonance spectroscopy of ster Estra-1,3,5(10)-trienes.
J Org Chem 38:1542-8, 20 Apr
CARBON ISOTOPES/ ENERG *ESTRANES/ NUCLEAR MAG RESONANCE/ STRUCTURE-A RELATIONSHIP

4154. **Wittwer B:** Genetische Fragen des

LIBRARY U. OF ...

ffé-Lichtenstein-Syndroms.
eitr Orthop Traumatol 20:169-72, Mar 73 (Ger)
ENDOCRINE DISEASES, familial & genetic/ *FIBROUS DYSPLASIA OF BONE, familial & genetic/ FRACTURES, SPONTANEOUS, familial & genetic/ HUMAN/ MUTATION/ PIGMENTATION DISORDERS, familial & genetic/ SYNDROME

twer B: Medizingenetische Beratung--Zielstellung nd Probleme.
sch Gesundheitsw 28:436-44, 2 Mar 73 (Ger)
CHROMOSOME ABNORMALITIES, prevention & control/ COMPREHENSIVE HEALTH CARE/ ENGLISH ABSTRACT/ FEMALE/ *GENETIC COUNSELING/ HUMAN/ MALE/ METABOLISM, INBORN ERRORS, prevention & control/ SEX CHROMOSOME ABNORMALITIES, prevention & control

emann V, Schulz I, Simon B: SH-groups on the rface of pancreas cells involved in secretin imulation and glucose-mediated secretion.
ochim Biophys Acta 307:366-71, 11 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CATS/ CELL MEMBRANE, drug effects/ *CHLOROMERCURIBENZOATES, pharmacodynamics/ DEXTRAN/ FEMALE/ FUMARATES, metabolism/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ MALE/ PANCREAS, cytology/ *PANCREAS, drug effects/ PANCREAS, secretion/ PERFUSION/ PYRUVATES, metabolism/ SECRETIN, pharmacodynamics/ *SECRETIN, secretion/ *SULFHYDRYL COMPOUNDS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

dimirov B, Andreeff I: Uber die ikrovaskularisation der Achillessehne.
nat Anz 133:12-9, 1973 (Ger)
*ACHILLES TENDON, blood supply/ ANIMAL EXPERIMENTS/ BONE AND BONES, blood supply/ CAPILLARIES, anatomy & histology/ MICROCIRCULATION/ PERIOSTEUM, blood supply/ RABBITS

lf JC, Mirocha CJ: Regulation of sexual eproduction in Gibberella zeae (Fusarium roxeum graminearum") by F-2 (Zearalenone).
an J Microbiol 19:725-34, Jun 73
CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ DICHLORVOS, pharmacodynamics/ ESTROGENS, biosynthesis/ *FUSARIUM/ FUSARIUM, drug effects/ FUSARIUM, metabolism/ LACTONES, biosynthesis/ *LACTONES, pharmacodynamics/ *MYCOTOXINS, pharmacodynamics/ REPRODUCTION, drug effects/ RESORCINOL, pharmacodynamics

lf LM, Dudnisson M, Schrub JC, et al: Syndrome de ipple associé à des adénomes hypophysaires et arathyroidiens.
an Endocrinol (Paris) 33:455-63, Jul-Aug 72 (Fre)
ADENOMA, complications/ *ADENOMA, familial & genetic/ ADENOMA, pathology/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, familial & genetic/ PARATHYROID NEOPLASMS, pathology/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, pathology/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, pathology/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, pathology

lf N, Gedalia I, Yariv S, et al: The strontium content f bones and teeth of human foetuses.
rch Oral Biol 18:233-8, Feb 73
*BONE AND BONES, analysis/ FEMUR, analysis/ *FETUS, analysis/ GESTATIONAL AGE/ HUMAN/ ISRAEL/ MANDIBLE, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *STRONTIUM, analysis/ *TOOTH, analysis/ WATER SUPPLY

4161. **Wolfgang ME:** Because they're young.
Ment Hyg 57:4-9, Spring 73
*ADOLESCENCE/ ADULT/ *AGGRESSION/ CHILD/ CONFLICT (PSYCHOLOGY)/ HUMAN/ INTERPERSONAL RELATIONS/ JUVENILE DELINQUENCY/ PERSONALITY/ *PUBERTY/ SEX/ SOCIAL ENVIRONMENT/ UNITED STATES/ VIOLENCE/ WAR

4162. **Wolinsky H:** Mesenchymal response of the blood vessel wall. A potential avenue for understanding and treating atherosclerosis.
Circ Res 32:543-9, May 73 (71 ref.)
AMINOPROPIONITRILE, pharmacodynamics/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS/ ARTERIOSCLEROSIS, drug therapy/ ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, metabolism/ *BLOOD VESSELS/ BLOOD VESSELS, cytology/ BLOOD VESSELS, drug effects/ BLOOD VESSELS, growth & development/ BLOOD VESSELS, metabolism/ CELL DIFFERENTIATION/ CHOLESTEROL, metabolism/ COLLAGEN, metabolism/ CYPROTERONE, pharmacodynamics/ ELASTIN, metabolism/ ESTROGENS, pharmacodynamics/ HUMAN/ HYPERLIPEMIA, complications/ HYPERTENSION, complications/ MUCOPOLYSACCHARIDES, metabolism/ MUSCLE, SMOOTH, cytology/ RABBITS/ RATS/ REVIEW

4163. **Wollman SH, Loewenstein JE:** Rates of colloid droplet and apical vesicle production and membrane turnover during thyroglobulin secretion and resorption.
Endocrinology 93:248-52, Jul 73
CELL MEMBRANE/ COLLOIDS/ *IODINE, metabolism/ *THYROGLOBULIN, metabolism/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology

4164. **Wood AE, Muldowney FP:** Dietary osteomalacia and bone pain in the elderly.
J Ir Med Assoc 66:241-3, 12 May 73
AGED/ CALCIUM, therapeutic use/ *DEFICIENCY DISEASES, complications/ HUMAN/ MALE/ *OSTEOMALACIA, etiology/ *PAIN/ PROTEIN DEFICIENCY, complications/ VITAMIN D DEFICIENCY, complications

4165. **Wood CB:** Immunological factors and tonsillectomy.
Proc R Soc Med 66:411-3, May 73 (13 ref.)
ADOLESCENCE/ ADRENALECTOMY/ ANTIGENS/ CHILD/ CHILD, PRESCHOOL/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGA/ IGD/ IGE/ IGG/ IGM/ IMMUNITY, CELLULAR/ T-LYMPHOCYTES/ *LYMPHOID TISSUE, immunology/ REVIEW/ SALIVA, immunology/ TEARS, immunology/ *TONSIL, immunology/ *TONSILLECTOMY

4166. **Wood-Gush DG, Gilbert AB:** Some hormones involved in the nesting behaviour of hens.
Anim Behav 21:98-103, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CHICKENS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *NESTING BEHAVIOR, drug effects/ OVARY, physiology/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics

4167. **Woodd-Walker RB, Hansen JD, Saunders SJ:** The in vitro upatake of lysine and alanine by human jejunal mucosa in nutritional rickets.
Nutr Metab 15:155-62, 1973
*ALANINE, metabolism/ ALKALINE PHOSPHATASE, blood/ AMINO ACIDS, urine/ BIOPSY/ CALCIUM, blood/ CARBON ISOTOPES/ CHILD, PRESCHOOL/ EPITHELIUM, metabolism/ FEMALE/ HUMAN/ IN VITRO/ INFANT/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA,

metabolism/ *JEJUNUM, metabolism/ JEJUNUM, physiology/ *LYSINE, metabolism/ MALE/ PHOSPHORUS, blood/ RICKETS, drug therapy/ *RICKETS, metabolism/ SERUM ALBUMIN, metabolism/ TRITIUM/ VITAMIN D, therapeutic use

4168. **Woods MW, Viahakis G:** Anaerobic glycolysis in spontaneous and transplanted liver tumors of mice.
J Natl Cancer Inst 50:1497-511, Jun 73
ADENOCARCINOMA, metabolism/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ BILE DUCT NEOPLASMS, metabolism/ CHOLANGIOMA, metabolism/ FEMALE/ GENOTYPE/ GLUCOSAMINE, pharmacodynamics/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ *GLYCOLYSIS/ *HEPATOMA, metabolism/ IN VITRO/ LIVER, metabolism/ *LIVER NEOPLASMS, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MANOMETRY/ MICE, INBRED C3H/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASMS, MULTIPLE PRIMARY/ ORGAN WEIGHT/ TESTOLACTONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

4169. **Woolcock AJ:** Surfactant.
Med J Aust 1:900-3, 5 May 73 (23 ref.)
ADULT/ BRONCHI, metabolism/ DEXAMETHASONE, therapeutic use/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ HUMAN/ HYALINE MEMBRANE DISEASE, drug therapy/ HYALINE MEMBRANE DISEASE, etiology/ HYALINE MEMBRANE DISEASE, metabolism/ HYALINE MEMBRANE DISEASE, pathology/ HYALINE MEMBRANE DISEASE, therapy/ INFANT, NEWBORN/ LECITHINS, analysis/ LUNG, pathology/ PULMONARY ALVEOLI, blood supply/ PULMONARY ALVEOLI, metabolism/ *PULMONARY SURFACTANT/ PULMONARY SURFACTANT, biosynthesis/ PULMONARY SURFACTANT, metabolism/ RESPIRATORY INSUFFICIENCY, etiology/ RESPIRATORY INSUFFICIENCY, metabolism/ RESPIRATORY INSUFFICIENCY, pathology/ RESPIRATORY INSUFFICIENCY, therapy/ REVIEW/ SURFACE TENSION

4170. **Woolf CM:** Genetic analysis of geotactic and phototactic behavior in selected strains of Drosophila pseudoobscura. Behav Genet 2:93-106, Mar 72
ANIMAL EXPERIMENTS/ *DROSOPHILA, physiology/ FEMALE/ *GENES/ GENETICS, BEHAVIORAL/ GENOTYPE/ *GRAVITATION/ HYBRIDIZATION/ *LIGHT/ MALE/ *MOVEMENT/ ORIENTATION/ SELECTION (GENETICS)/ SEX CHROMOSOMES

4171. **Wooten GF, Thoa NB, Kopin IJ, et al:** Enhanced release of dopamine -hydroxylase and norepinephrine from sympathetic nerves by dibutyryl cyclic adenosine 3', 5'-monophosphate and theophylline.
Mol Pharmacol 9:178-83, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CALCIUM, metabolism/ *DOPAMINE BETA HYDROXYLASE, metabolism/ GUINEA PIGS/ HYPOGASTRIC PLEXUS, enzymology/ HYPOGASTRIC PLEXUS, metabolism/ HYPOGASTRIC PLEXUS, physiology/ IN VITRO/ MALE/ *NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, metabolism/ *THEOPHYLLINE, pharmacodynamics/ VAS DEFERENS, drug effects/ VAS DEFERENS, enzymology/ VAS DEFERENS, metabolism

4172. **Worthington RW, Mülders MS, McFarlane IS, et al:** A serological investigation on adult cattle vaccinated with Brucella abortus strain 19.
Onderstepoort J Vet Res 40:7-11, Mar 73
ACRIDINES/ AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ *ANTIBODIES, BACTERIAL, analysis/ *BRUCELLA ABORTUS/ *BRUCELLA VACCINE/ *BRUCELLOSIS, BOVINE, immunology/ CATTLE/ COMPLEMENT FIXATIO COOMBS' TEST/ FEMALE/ HEAT/ LACTATION/ MERCAPTOETHANO PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, I TIME FACTORS/ *VACCINATION

4173. **Wright DJ:** Autoantibodies in lepros
Lancet 819:40, 7 Jul 73
*AUTOANTIBODIES, analysis/ HU *LEPROSY, immunology/ THYROI immunology

4174. **Wright JW:** Effects of saline consu adrenalectomy on water balance in
Behav Biol 8:291-6, Feb 73
*ADRENALECTOMY/ ALDOSTERO secretion/ ANIMAL EXPERIMENT VOLUME/ *DRINKING/ HYPERTO SOLUTIONS/ HYPOKALEMIA/ HYPONATREMIA/ ISOTONIC SOL MALE/ POTASSIUM, blood/ RATS blood/ *SODIUM CHLORIDE/ *WATER-ELECTROLYTE BALANC

4175. **Wright K, Collins DC, Preedy JR:** specificity of antisera raised again estradiol-17 and estriol using 6-0-carboxy-methyloxime bovine ser derivatives. Steroids 21:755-69, May
*ANTIBODY SPECIFICITY/ CATT COMPARATIVE STUDY/ CROSS *ESTRADIOL/ *ESTRIOL/ *ESTRO IMMUNIZATION/ IMMUNOLOGY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM BOVINE/ SHEEP, immunology/ S

4176. **Wu JT:** Precocious shedding of the zo rats treated with progesterone.
J Reprod Fertil 33:331-5, May 73
ANIMAL EXPERIMENTS/ ESTRU INJECTIONS, SUBCUTANEOUS/ *OVUM, drug effects/ *PROGEST pharmacodynamics/ RATS/ TIME VAGINAL SMEARS

4177. **Wu SH, Oldfield JE, Whanger PD, et** selenium, vitamin E, and antioxidant function in rats. Biol Reprod 8:6
ANIMAL EXPERIMENTS/ *ANTI pharmacodynamics/ ASCORBIC A pharmacodynamics/ DOSE-RESPON RELATIONSHIP, DRUG/ EPIDID anatomy & histology/ FEMALE/ DISORDERS, therapy/ RATS/ *S pharmacodynamics/ SEMEN, drug *SPERMATOGENESIS, drug effec SPERMATOZOA, cytology/ SPER drug effects/ STERILITY, MALE TESTIS, anatomy & histology/ * pharmacodynamics

4178. **(Wurtman RJ):** Citation for the Ernst Memorial Award of The Endocrine Soc
Richard J. Wurtman, M.D.
Endocrinology 93:268-9, Jul 73
*AWARDS AND PRIZES/ CURR BIOG-OBIT/ *ENDOCRINOLOGY/ SCIENTIFIC/ UNITED STATES

4179. **(Wurtman RJ):** Citation for the Erns Memorial Award of The Endocrine So
Richard J. Wurtman, M.D.
J Clin Endocrinol Metab 37:169-7
*AWARDS AND PRIZES/ CURR BIOG-OBIT/ *ENDOCRINOLOGY/ STATES

4180. **Wuthier P, Jones C, Puck TT:** Surfa mammalian cells as genetic mark
J Exp Med 138:229-44, 1 Jul 73
ADSORPTION/ *ANTIGENS/ AN administration & dosage/ CELL CELL MEMBRANE, immunology/ CULTURED/ CLONE CELLS/ C ERYTHROCYTES, immunology/ FIBROBLASTS/ *GENES/ HAMS CELLS/ HORSES, immunology/ HYBRID CELLS/ IMMUNE SER

LIBRARY U. OF L. URBANA CAMPUS

INJECTIONS, INTRAMUSCULAR/ LACTATE DEHYDROGENASE/ LEUKOCYTES, immunology/ LINKAGE (GENETICS)/ MUTATION/ OVARY/ RABBITS, immunology/ SHEEP, immunology

ocki E, Szczygiel A: Wpływ kompensacji doborów pokarmowych na rozwój doświadczalnej chnicy zębów.
cz Panstw Zakl Hig 24:57-64, 1973 (Pol)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *DENTAL CARIES, etiology/ DIET, CARIOGENIC/ DIETARY PROTEINS, metabolism/ ENGLISH ABSTRACT/ NUTRITION DISORDERS, complications/ PHOSPHATES, metabolism/ RATS

Y

K: Changes in firing rates of single preoptic and pothalamic units following an intravenous ministration of estrogen in the castrated female rat.
in Res 53:343-52, 27 Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORTISONE, pharmacodynamics/ ELECTRODES, IMPLANTED/ ELECTROPHYSIOLOGY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ *OPTIC LOBE, drug effects/ OVARY/ RATS/ REACTION TIME

o N, Fukuda N: [Stereology and dynamics of the ochondrial population--with special reference to renocortical mitochondria]
ap Biochem Soc 45:71-87, Feb 73 (43 ref.) (Jap)
ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ ARGININE, metabolism/ CARBON ISOTOPES/ CELL MEMBRANE, physiology/ HYPOPHYSECTOMY/ LEUCINE, metabolism/ MATHEMATICS/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, physiology/ MITOCHONDRIA, LIVER, metabolism/ MODELS, BIOLOGICAL/ RATS/ REVIEW/ SUCCINATE DEHYDROGENASE, metabolism/ TRITIUM

ow RS), Schwartz IL: Solomon A. Berson and alyn S. Yalow: a scientific appreciation.
Sinai J Med NY 40:284-94, May-Jun 73
ANTIGEN-ANTIBODY REACTIONS/ AUSTRALIA ANTIGEN/ BIBLIOGRAPHY/ BLOOD VOLUME DETERMINATION/ CORTICOTROPIN/ CURRENT BIOG-OBIT/ FEMALE/ GASTRIN/ HUMAN/ INSULIN ANTIBODIES/ IODINE ISOTOPES, DIAGNOSTIC, history/ ISOTOPE LABELING, history/ MALE/ PARATHYROID HORMONE/ RADIOIMMUNOASSAY, history/ RESEARCH/ SOMATOTROPIN/ THYROID GLAND FUNCTION TESTS, history/ UNITED STATES VETERANS ADMINISTRATION

ada F: [Epidemiological studies on the ationship between periodontal diseases and eoporosis among the farm and fishing villagers in rth-East Japan]
Dent Health (Tokyo) 22:197-202, Jun 72 (Jap)
ENGLISH ABSTRACT/ OSTEOPOROSIS, occurrence/ PERIODONTAL INDEX/ SPECIAL LIST DENTAL

ada M: Studies on L-glycerol-3-phosphate ydrogenases in Japanese Quail, Coturnix coturnix onica. II. Comparison of activity of mitochondrial cytoplasmic L-glycerol-3-phosphate ydrogenases in testes and liver of developing male anese quail.
J Biochem (Tokyo) 73:227-33, Feb 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CENTRIFUGATION/ *CYTOPLASM, enzymology/ *GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HYDROGEN-ION CONCENTRATION/ LIVER, anatomy & histology/ *LIVER, enzymology/ MALE/ MITOCHONDRIA, LIVER, enzymology/ NAD/ ORGAN WEIGHT/ PROTEINS, analysis/ QUAIL, growth & development/ *QUAIL, metabolism/ *TESTIS, enzymology

4187. **Yamada M, Yasue S, Matsumoto K: Formation of C 21 -17-hydroxysteroids and C 19 -steroids from 3 -hydroxypregn-5-en-20-one and progesterone in vitro by germ cells from immature rat testes.**
Endocrinology 93:81-7, Jul 73
*ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ *GERM CELLS, metabolism/ 17-HYDROXYCORTICOSTEROIDS, biosynthesis/ IN VITRO/ MALE/ NAD/ NADP/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ RATS/ TESTIS, cytology/ TESTIS, metabolism/ TISSUE CULTURE/ TRITIUM

4188. **Yamaguchi A, Yamagata Y, Kusunoki N, et al: [Osteosis and hemodialysis]**
Jap J Clin Med 30:2501-6, Dec 72 (32 ref.) (Jap)
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ CALCINOSIS, etiology/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ OSTEITIS, etiology/ OSTEOMALACIA, etiology/ OSTEOPOROSIS, etiology/ PERITONEAL DIALYSIS, adverse effects/ RENAL OSTEODYSTROPHY, enzymology/ *RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, pathology/ REVIEW

4189. **Yamaji T, Peckham WD, Atkinson LE, et al: Radioimmunoassay of rhesus monkey follicle stimulating hormone (RhFSH).**
Endocrinology 92:1652-9, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BIOLOGICAL ASSAY/ CASTRATION/ ELECTROPHORESIS, DISK/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOTOPE LABELING/ MACACA/ MENSTRUATION/ METHODS/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, analysis/ *RADIOIMMUNOASSAY

4190. **Yamamoto M, Chiba K, Tanno M, et al: [Bone scintigraphy of the aged patients. 1. 99m Tc-polyphosphate bone scintigraphy]**
Jap J Nucl Med 9:561-8, Dec 72 (Jap)
AGED/ *BONE AND BONES/ BONE DISEASES, diagnosis/ BONE NEOPLASMS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, diagnosis/ PHOSPHATES/ *RADIOISOTOPE SCANNING/ *TECHNETIUM

4191. **Yanaihara N, Hasimoto T, Yanaihara C, et al: Syntheses and biological evaluation of analogs of luteinizing hormone-releasing hormone (LH-RH) modified in position 2, 3, 4 or 5.**
Biochem Biophys Res Commun 52:64-73, 1 May 73
ANIMAL EXPERIMENTS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LH, biosynthesis/ LH, blood/ OLIGOPEPTIDES, analysis/ OVARY, physiology/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, biosynthesis/ PROGESTERONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

4192. **Yanaihara N, Yanaihara C, Sakagami M, et al: Synthesis and biological evaluation of LH and FSH releasing hormone and its analogs.**
J Med Chem 16:373-7, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *FSH/ FSH, blood/ FSH, secretion/ GEL FILTRATION/ *LH/ LH, blood/ LH, secretion/ METHODS/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING

FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

4193. **Yang SL, Okamura H, Beer AE:** The effect of estrogen on collagen synthesis at the site of a skin autograft.
Am J Obstet Gynecol 116:694-7, 1 Jul 73
CASTRATION/ COLLAGEN, antagonists & inhibitors/ *COLLAGEN, biosynthesis/ CONNECTIVE TISSUE CELLS/ ENDOPLASMIC RETICULUM/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ FIBROBLASTS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OVARY, physiology/ RATS/ SKIN, drug effects/ SKIN, metabolism/ SKIN, pathology/ SKIN, transplantation/ STAINS AND STAINING/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

4194. **Yanoff M, Rorke LB:** Ocular and central nervous system findings in tetraploid-diploid mosaicism.
Am J Ophthalmol 75:1036-42, Jun 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ABNORMALITIES, MULTIPLE, pathology/ CELL NUCLEUS/ CHROMOSOMES/ DIENCEPHALON, abnormalities/ DIENCEPHALON, pathology/ *DIPLOIDY/ DNA/ *EYE, abnormalities/ EYE, pathology/ GENES/ HUMAN/ INFANT, INFANT, NEWBORN/ LEUKOCYTES, cytology/ MALE/ *MOSAICISM/ *POLYPLOIDY/ SEX CHROMOSOMES/ *TELENCEPHALON, abnormalities/ TELENCEPHALON, pathology

4195. **Yantorno C, Vottero-Cima E, Galmarini M:** Experimental autoimmune damage to rabbit male accesory glands. Invest Urol 10:397-403, Mar 73
ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, pathology/ GEL DIFFUSION TESTS/ *GENITALIA, MALE, pathology/ HEMAGGLUTINATION TESTS/ HYPERSENSITIVITY, DELAYED/ KIDNEY, pathology/ MALE/ PROSTATE, pathology/ RABBITS/ SEMEN, immunology/ SEMINAL VESICLES, pathology/ SHEEP, immunology/ SKIN TESTS/ TESTIS, pathology

4196. **Yarbrough GG, Buxbaum DM, Sanders-Busch E:** Increased serotonin turnover in acutely morphine-treated mice.
Biochem Pharmacol 21:2667-9, 1 Oct 72
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ MICE/ MICE, INBRED ICR/ *MORPHINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, metabolism

4197. **Yates CM, Magill BE, Davidson D, et al:** Lysosomal enzymes, amino acids and acid metabolites of amines in Huntington's chorea.
Clin Chim Acta 44:139-45, 28 Feb 73
ACID PHOSPHATASE, blood/ ACID PHOSPHATASE, cerebrospinal fluid/ ADULT/ AGED/ *AMINES, metabolism/ *AMINO ACIDS, metabolism/ BLOOD PROTEINS, analysis/ CEREBROSPINAL FLUID PROTEINS, analysis/ CHOREA, HEREDITARY, enzymology/ *CHOREA, HEREDITARY, metabolism/ DOPAMINE, metabolism/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ *LYSOSOMES, enzymology/ MALE/ MIDDLE AGE/ PHENYLACETATES, cerebrospinal fluid/ SEROTONIN, metabolism/ SULFATASES, blood/ SULFATASES, cerebrospinal fluid/ TRYPTOPHAN, cerebrospinal fluid/ TYROSINE, cerebrospinal fluid

4198. **Yee RD, Hepler RS:** Congenital hemangiomas of the skin with orbital and subglottic hemangiomas.
Am J Ophthalmol 75:876-9, May 73
EXOPHTHALMOS, etiology/ FEMALE/ *GLOTTIS/ *HEMANGIOMA, congenital/ HEMANGIOMA, pathology/ HUMAN/ NEWBORN/ *LARYNGEAL NEOPLA congenital/ *ORBITAL NEOPLASMS, congenital/ PREDNISONE, therapeut RESPIRATORY INSUFFICIENCY, th *SKIN NEOPLASMS, congenital/ TR pathology/ TRACHEAL NEOPLASMS pathology

4199. **Yen CH, Wang CM:** Studies in family Taiwan. Stud Fam Plann 4:118-23, M
ABORTION, LEGAL/ ADOLESCENC ADULT/ AGE FACTORS/ BIRTH R CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ DEMOG FAMILY CHARACTERISTICS/ *FA PLANNING/ FEMALE/ FERTILITY/ INTRAUTERINE DEVICES/ LEGISL MALE/ MORTALITY/ POPULATION GROWTH/ PREGNANCY/ RURAL POPULATION/ SCHOOLS/ STATIST TAIWAN/ TELEPHONE/ TELEVISIO

4200. **Yip SK, Ma HK, Ng KH:** Induction of labo prostaglandin E 2 .
J Obstet Gynaecol Br Commonw 80:44
ADMINISTRATION, ORAL/ APGAR BIRTH WEIGHT/ BRADYCARDIA, induced/ CESAREAN SECTION/ DE FEMALE/ FETAL DISEASES/ FET MEMBRANES/ HUMAN/ INFANT, *LABOR, INDUCED/ NAUSEA, che induced/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration PROSTAGLANDINS, adverse effect TACHYCARDIA, chemically induced VOMITING, chemically induced

4201. **Yip TT, Liu YO, Kong YC:** Adrenalecto pituitary cell types. Experientia 29:695-
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXP CORTICOTROPIN, pharmacodynamic metabolism/ MALE/ *PITUITARY cytology/ PITUITARY GLAND, dru PITUITARY GLAND, metabolism/ STAINS AND STAINING/ THYMID metabolism/ TRITIUM

4202. **Ylitalo P:** Rise in plasma angiotensin II pressure induced by 5-hydroxytryptar
Ann Med Exp Biol Fenn 50:191-4,
ANESTHESIA, GENERAL/ ANGIOT administration & dosage/ *ANGIOT blood/ ANGIOTENSIN, pharmacody ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CAROTI ARTERIES/ DOSE-RESPONSE REL DRUG/ INJECTIONS, INTRAVENO LETHAL DOSE 50/ MALE/ NEPH PENTOBARBITAL/ RABBITS, imm RADIOIMMUNOASSAY/ RATS/ SE administration & dosage/ *SEROTO pharmacodynamics/ SEROTONIN, t STIMULATION, CHEMICAL

4203. **Ylitalo P:** Studies on the role of the autonomic nervous systems in the 5-hydroxytryptamine in anaesthetize
Ann Med Exp Biol Fenn 50:195-20
ACETAMIDES, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR pharmacodynamics/ ADRENERGIC RECEPTOR BLOCKADERS, pharma AMINO ALCOHOLS, pharmacodyna ANESTHESIA, GENERAL/ ANIMA EXPERIMENTS/ *AUTONOMIC NE SYSTEM, drug effects/ BRAIN, d *CENTRAL NERVOUS SYSTEM, d CEREBELLUM, drug effects/ DEP CHEMICAL/ HALOTHANE/ INTRA PRESSURE, drug effects/ KETAM MICE/ NEURONS, EFFERENT, dr PENTOBARBITAL/ RATS/ SEROT pharmacodynamics/ *SEROTONIN, SPINAL CORD, physiology/ STIM CHEMICAL/ TOLUENE

4204. **Ylitalo P, Ertama P, Lahovaara S:** Ar toxicity of angiotensin and 5-hydroxy

LIBRARY U. OF L. URBANA, ILLINOIS

...Ann Med Exp Biol Fenn 50:186-90, 1972
ALDOSTERONE, pharmacodynamics/ ANESTHESIA, GENERAL/ ANGIOTENSIN, administration & dosage/ ANGIOTENSIN, pharmacodynamics/ *ANGIOTENSIN, toxicity/ ANIMAL EXPERIMENTS/ EPINEPHRINE, pharmacodynamics/ *ETHYL ETHER/ HALOTHANE/ HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ LETHAL DOSE 50/ MALE/ MICE/ NEPHRECTOMY/ NOREPINEPHRINE, pharmacodynamics/ PENTOBARBITAL/ RATS/ RENIN, blood/ RENIN, metabolism/ SEROTONIN, administration & dosage/ SEROTONIN, pharmacodynamics/ *SEROTONIN, toxicity/ VAGOTOMY

...hioka T, Nakano S: [Hormones and stress] ...J Nurs Art 19:18-26, May 73 (Jap)
HORMONES, physiology/ SPECIAL LIST NURSING/ STRESS

...ng RC, Canellos GP, Chabner BA, et al: ...intenance chemotherapy for advanced Hodgkin's ...ease in remission. Lancet 1:1339-43, 16 Jun 73
BLOOD CELL COUNT/ BLOOD PLATELETS/ COMPARATIVE STUDY/ HODGKIN'S DISEASE, complications/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HUMAN/ LYMPHOCYTES/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ MYELOFIBROSIS, complications/ NITROSOUREA COMPOUNDS, administration & dosage/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ PROGNOSIS/ RECURRENCE/ REMISSION/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

...aglai EV, Richmond H, Atyeo R, et al: ...rrhenoblastoma: in vivo and in vitro studies. ...n J Obstet Gynecol 116:401-7, 1 Jun 73
ADOLESCENCE/ ANDROGENS, biosynthesis/ ANDROGENS, metabolism/ *ARRHENOBLASTOMA, diagnosis/ ARRHENOBLASTOMA, metabolism/ CHROMATOGRAPHY/ ESTROGENS, analysis/ FEMALE/ HUMAN/ IN VITRO/ LAPAROTOMY/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, metabolism/ OVARY, metabolism/ RADIOIMMUNOASSAY/ STEROIDS, analysis/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, metabolism

...niss J: Intelligence: implication of and for deafness. ...lv Exp Med Biol 30:151-9, 1972
CHILD DEVELOPMENT/ *CRETINISM, diagnosis/ *DEAFNESS/ HUMAN/ *INTELLIGENCE/ INTELLIGENCE TESTS/ LANGUAGE DEVELOPMENT/ PSYCHOLOGY/ PSYCHOSOCIAL DEPRIVATION/ THINKING

...JY, Marquardt RR: Interaction of estradiol and ...stosterone in the regulation of growth and ...velopment of the chicken (Gallus domesticus) ...iduct.
...mp Biochem Physiol [B] 44:769-77, 15 Mar 73
ANIMAL EXPERIMENTS/ CHICKENS/ DNA, analysis/ DRUG SYNERGISM/ EGG PROTEINS, biosynthesis/ ELECTROPHORESIS, DISK/ *ESTRADIOL, pharmacodynamics/ FEMALE/ ORGAN WEIGHT/ OVIDUCTS, drug effects/ *OVIDUCTS, growth & development/ OVIDUCTS, metabolism/ RNA, analysis/ SOLUBILITY/ *TESTOSTERONE, pharmacodynamics/ WATER, analysis

...le PG, Tait SM, Hayes JM: Donor renin activity and ...ction of cadaveric renal allografts. ...ancet 2:75-6, 14 Jul 73
ANGIOTENSIN, blood/ *CADAVER/ CREATININE, blood/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY, blood supply/ KIDNEY, physiopathology/ *KIDNEY, transplantation/ KIDNEY FAILURE, ACUTE, physiopathology/ PROGNOSIS/ RADIOIMMUNOASSAY/ *RENIN, blood/ RETROSPECTIVE STUDIES/ TIME FACTORS/ *TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ VASCULAR RESISTANCE

4211. **Yulis Modak J, Rakela Olivo J: Tratamiento de las osteitis periapicales con una nueva pasta polifarmacológica.**
Odontol Chil 20:29-33, Jul-Sep 72 (Spa)
DEXAMETHASONE, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ OSTEITIS, drug therapy/ PERIAPICAL ABSCESS, drug therapy/ ROOT CANAL THERAPY/ SPECIAL LIST DENTAL/ TRIAMCINOLONE, therapeutic use

4212. **Yunger LM, Harvey JA, Lorens SA: Dissociation of the analgesic and rewarding effects of brain stimulation in the rat. Physiol Behav 10:909-13, May 73**
*ANALGESIA/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CONDITIONING, OPERANT, drug effects/ ELECTRIC STIMULATION/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, analysis/ RATS/ REACTION TIME/ *REWARD/ *SELF STIMULATION/ TELENCEPHALON, drug effects

4213. **Yunger LM, Harvey JA: Effect of lesions in the medial forebrain bundle on three measures of pain sensitivity and noise-elicited startle.**
J Comp Physiol Psychol 83:173-83, May 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ BRAIN CHEMISTRY, drug effects/ P-CHLOROPHENYLALANINE, pharmacodynamics/ ELECTROSHOCK/ HABITUATION (PSYCHOPHYSIOLOGY)/ HEAT/ HYDROXYTRYPTOPHAN, pharmacodynamics/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ NOISE/ *PAIN/ RATS/ SEROTONIN, analysis/ *STARTLE REACTION/ TELENCEPHALON, analysis

4214. **Yunis AA, Schultz DR, Sato GH: The secretion of fibrinolysin by cultured rat ovarian tumor cells.**
Biochem Biophys Res Commun 52:1003-12, 8 Jun 73
AMINOCAPROIC ACID, pharmacodynamics/ ANTIFIBRINOLYTIC AGENTS, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CLONE CELLS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FIBRINOGEN/ FIBRINOLYSIN, isolation & purification/ *FIBRINOLYSIN, secretion/ GEL FILTRATION/ HUMAN/ IMMUNOELECTROPHORESIS/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ *OVARIAN NEOPLASMS, metabolism/ OVARY, secretion/ RATS/ TRYPSIN INHIBITORS, pharmacodynamics

4215. **Yuwiler A, Olds ME: Catecholamines and self-stimulation behavior: effects of brain levels after stimulation, and pretreatment with DL--methyl-rpo-tyrosine. Brain Res 50:331-40, 28 Feb 73**
ANIMAL EXPERIMENTS/ *DOPAMINE, metabolism/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, metabolism/ MALE/ *METHYLTYROSINES, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ RATS/ *SELF STIMULATION

Z

4216. **Zach HP, Werle E: Uber den Kininogengehalt von Serum und Plasma nach Gewebsschädigung bei Ratten.**

LIBRARY U. OF L. URBANA CAMPUS

Naunyn Schmiedebergs Arch Pharmacol 276:167-80, 23 Feb 73 (Ger)
ACETIC ACIDS, pharmacodynamics/ ADRENAL GLANDS, physiology/ ALPHA GLOBULIN, analysis/ ANIMAL EXPERIMENTS/ CROTON OIL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FIBRINOGEN, analysis/ HYDROCORTISONE, pharmacodynamics/ INFLAMMATION/ KALLIKREIN, blood/ KININASE I, blood/ KININOGENS, blood/ *KININS, blood/ PHENYLBUTAZONE, pharmacodynamics/ *PROTEIN PRECURSORS, blood/ RATS/ SALICYLATES, pharmacodynamics/ *WOUNDS AND INJURIES, blood

4217. **Zachmann M, Völlmin JA, Hamilton W, et al:** Steroid 17,20-desmolase deficiency: a new cause of male pseudohermaphroditism.
Clin Endocrinol (Oxf) 1:369-85, Oct 72
ADOLESCENCE/ ADRENAL GLANDS, enzymology/ ANDROGENS, urine/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ HYDROXYPREGNENOLONE/ INFANT/ *LYASES, metabolism/ MALE/ METABOLISM, INBORN ERRORS, enzymology/ *METABOLISM, INBORN ERRORS, etiology/ METABOLISM, INBORN ERRORS, familial & genetic/ METABOLISM, INBORN ERRORS, urine/ PEDIGREE/ PREGNANES, urine/ PREGNENES, urine/ PSEUDOHERMAPHRODITISM, enzymology/ *PSEUDOHERMAPHRODITISM, etiology/ PSEUDOHERMAPHRODITISM, familial & genetic/ PSEUDOHERMAPHRODITISM, urine/ TESTIS, enzymology

4218. **Zackai EH, Breg WR:** Ring chromosome 7 with variable phenotypic expression.
Cytogenet Cell Genet 12:40-8, 1973
*ABNORMALITIES, MULTIPLE, familial & genetic/ BLEPHAROPTOSIS, familial & genetic/ CHILD/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 6-12/ CORNEA, abnormalities/ CRANIOSYNOSTOSES, familial & genetic/ CRYPTORCHISM, familial & genetic/ FLUORESCENCE/ GROWTH DISORDERS, familial & genetic/ HUMAN/ HYPOSPADIAS, familial & genetic/ INFANT/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ MENTAL RETARDATION, familial & genetic/ MICROCEPHALY, familial & genetic/ MITOSIS/ PENIS, abnormalities/ PHENOTYPE/ QUINACRINE

4219. **Zadunaisky JA, Lande MA, Chalfie M, et al:** Ion pumps in the cornea and their stimulation by epinephrine and cyclic-AMP. Exp Eye Res 15:577-84, 10 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CHLORIDES, metabolism/ CHLORINE/ CORNEA, drug effects/ *CORNEA, metabolism/ *EPINEPHRINE, pharmacodynamics/ EPITHELIAL CELLS/ FROGS/ IN VITRO/ RABBITS/ RADIOISOTOPES/ SODIUM, metabolism/ STIMULATION, CHEMICAL

4220. **Zager P, Freedman GS:** Fundamentals of radionuclide thyroid evaluation. Conn Med 37:299-302, Jun 73
HUMAN/ IODINE ISOTOPES/ *RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS

4221. **Zaichik ASh:** Tsitotoksicheskaia stimuliatsiia obrazovaniia steroidnykh gormonov v usloviiakh blokady razlichnykh vidov RN.
Patol Fiziol Eksp Ter 17:40-4, Mar-Apr 73 (Rus)
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ ANTIGENS/ CORTICOTROPIN, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENGLISH ABSTRACT/ IMMUNOLOG MICROSCOPY, ELECTRON/ PUROMY pharmacodynamics/ RABBITS/ RATS/ immunology/ *RNA, RIBOSOMAL, bi *TOXINS, pharmacodynamics

4222. **Zak KP, Vinnitskaia ML:** Submikrosko stroenie vlochkovoĭ zhelezy posle vv gidrokortizona.
Vrach Delo 4:108-10, Apr 73
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ RABBITS/ THYMUS GI cytology/ *THYMUS GLAND, drug e

4223. **Zakharova GN, Variamova VV, Akulin khirurgicheskom lechenii toksicheskog**
Vestn Khir 110:33-6, Jan 73
ADULT/ ANESTHESIA, INTRATRAC ENGLISH ABSTRACT/ FEMALE/ *G surgery/ HUMAN/ *HYPERTHYROID surgery/ MALE/ METHODS/ PARAT DISEASES, etiology/ POSTOPERATI COMPLICATIONS/ PREOPERATIVE

4224. **Zamboni L, Merchant H:** The fine morpholo primordial germ cells in extragonada
Am J Anat 137:299-335, Jul 73
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL MOVEM ENDOPLASMIC RETICULUM/ EPITI CELLS/ FEMALE/ *GERM CELLS, GESTATIONAL AGE/ GOLGI APPA *GONADS, cytology/ INTERCELLUL JUNCTIONS/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MIT RIBOSOMES

4225. **Zampaglione NG, Mannering GJ:** Prop benzpyrene hydroxylase in the liver mucosa and adrenal of untreated an 3-methylcholanthrene-treated rats.
J Pharmacol Exp Ther 185:676-85, J
ADRENAL GLANDS, drug effects/ GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BENZOPYRENES/ MONOXIDE, pharmacodynamics/ CY CYTOCHROME P-450, metabolism/ INDUCTION, drug effects/ HYDRO antagonists & inhibitors/ *HYDROX metabolism/ IN VITRO/ INTESTINA MUCOSA, drug effects/ *INTESTIN MUCOSA, enzymology/ KINETICS/ drug effects/ *LIVER, enzymology/ *METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, enzymology/ RATS

4226. **Zaphiropoulos G:** Recurrent calcific I involving multiple sites.
Proc R Soc Med 66:351-2, Apr 73
BONE AND BONES, radiography/ CALCINOSIS, familial & genetic/ *CALCINOSIS, radiography/ ELBOW radiography/ FEMALE/ HAND, radi HUMAN/ HYPOTHYROIDISM, ther MIDDLE AGE/ PEDIGREE/ *PERIA radiography/ RECURRENCE/ SHOU radiography/ TENDONS, radiograph

4227. **Zárate A, Canales ES, De la Cruz A, et** response to synthetic LH-RH in Ste syndrome and functional amenorrhe
Obstet Gynecol 41:803-8, Jun 73
ADOLESCENCE/ ADULT/ *AMENO physiopathology/ ESTROGENS, urin FEMALE/ FSH, blood/ FSH, secret HUMAN/ HYPOTHALAMO-HYPOPH SYSTEM, drug effects/ INJECTION INTRAVENOUS/ *LH/ LH, blood/ secretion/ MENSTRUATION/ *PITU GLAND, drug effects/ PITUITARY physiopathology/ PITUITARY GLA secretion/ PITUITARY GLAND FU TESTS/ PITUITARY HORMONE R FACTORS, administration & dosag *PITUITARY HORMONE RELEASI FACTORS, pharmacodynamics/

DIOIMMUNOASSAY/ *STEIN-LEVENTHAL NDROME, physiopathology/ TIME FACTORS

A, Canales ES, González A, et al: Tratamiento de erilidad anovulatoria. 3. Resultados preliminares el uso del isomero Cis del clomifén. col Obstet Mex 33:499-503, May 73 (Spa) MINISTRATION, ORAL/ ADOLESCENCE/ DULT/ CLOMIPHENE, administration & age/ *CLOMIPHENE, therapeutic use/ GLISH ABSTRACT/ FEMALE/ HUMAN/ ULATION, drug effects/ PREGNANCY/ TERILITY, FEMALE, drug therapy

A, Valdés-Vallina F, González A, et al: apeutic effect of synthetic luteinizing one-releasing hormone (LH-RH) in male tility due to idiopathic azoospermia and spermia. Fertil Steril 24:485-6, Jun 73 ULT/ BIOPSY/ CELL COUNT/ NADOTROPINS, urine/ HUMAN/ JECTIONS, INTRAMUSCULAR/ LEYDIG LLS/ *LH, therapeutic use/ MALE/ TOSIS/ PITUITARY HORMONE LEASING FACTORS, administration & age/ *PITUITARY HORMONE RELEASING CTORS, therapeutic use/ SEMINAL SICLES, abnormalities/ SPERMATOZOA, ug effects/ *STERILITY, MALE, drug rapy/ STERILITY, MALE, pathology/ STIS, pathology

H: Zahnfleischveränderungen unter razeptiver Hormonbehandlung. Klin 68:720, 25 May 73 (Ger) ULT/ DRUG COMBINATIONS/ *ETHINYL STRADIOL, adverse effects/ ETHINYL STRADIOL, therapeutic use/ FEMALE/ INGIVAL DISEASES, chemically induced/ RANULOMA, REPARATIVE GIANT CELL, emically induced/ HUMAN/ *NORGESTREL, verse effects/ NORGESTREL, therapeutic e

H: Haarwuchsstörungen in Zusammenhang mit vangerschaft und hormonaler Kontrazeption. eburtshilfe Perinatol 177:67-73, Apr 73 (27 ref.) (Ger)
LOPECIA, chemically induced/ ALOPECIA, ug therapy/ *ALOPECIA, etiology/ LOPECIA, physiopathology/ ANDROGENS, tagonists & inhibitors/ *CONTRACEPTIVES, RAL, adverse effects/ CONTRACEPTIVES, RAL, therapeutic use/ CYPROTERONE, erapeutic use/ ENGLISH ABSTRACT/ THINYL ESTRADIOL, therapeutic use/ EMALE/ HAIR, growth & development/ IRSUTISM, chemically induced/ HIRSUTISM, ug therapy/ *HIRSUTISM, etiology/ IRSUTISM, physiopathology/ HUMAN/ ANDROLONE, adverse effects/ ANDROLONE, therapeutic use/ REGNANCY/ *PREGNANCY OMPLICATIONS/ REVIEW

oan ST, Salti IS: The effect of intracutaneous ocorticoids on plasma cortisol levels. J Dermatol 88:151-6, Feb 73 DULT/ BETAMETHASONE, administration & osage/ BETAMETHASONE, harmacodynamics/ DRUG INTERACTIONS/ LUCOCORTICOIDS, dministration & dosage/ HYDROCORTISONE, lood/ *HYDROCORTISONE, blood/ NJECTIONS, INTRADERMAL/ MALE/ TIME ACTORS/ TRIAMCINOLONE ACETONIDE, dministration & dosage/ TRIAMCINOLONE CETONIDE, pharmacodynamics

ynec B: K otázce možného vztahu prostaglandinů vývoji aterosklerózy. tr Lek 19:506-7, May 73 (Cze) ARTERIOSCLEROSIS, etiology/ RTERIOSCLEROSIS, metabolism/ HUMAN/ IPIDS, metabolism/ *PROSTAGLANDINS, etabolism

dovsky PF, Gurvich GA, Kabanova HA: ysiological aspects of immunogenesis and its ulation.

J Hyg Epidemiol Microbiol Immunol (Praha) 17:37-48, 1973
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS/ ANTIGENS/ CORTISONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ DIETARY PROTEINS/ HORMONES, physiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LYMPH NODES, immunology/ *LYMPHOID TISSUE, immunology/ PROTEINS, biosynthesis/ RATS/ SOMATOTROPIN, physiology/ SPLEEN, physiology

4235. Zech P, Richard P, Blanc-Brunat N, et al: Evolution de la néphropathie du lupus érythémateux disséminé. Influence du traitement sur la symptomatologie clinique, les fonctions rénales et l'histologie. J Urol Nephrol (Paris) 78:987-93, Dec 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ ANTIMALARIALS, therapeutic use/ ANTINUCLEAR FACTORS, analysis/ *AZATHIOPRINE, therapeutic use/ BIOPSY/ CHLORAMBUCIL, therapeutic use/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ HUMAN/ INDOMETHACIN, therapeutic use/ KIDNEY FUNCTION TESTS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, mortality/ MALE/ MIDDLE AGE/ NEPHROTIC SYNDROME, drug therapy/ *PREDNISONE, therapeutic use/ PROGNOSIS/ PROTEINURIA, drug therapy

4236. Zehr JE, Feigl EO: Suppression of renin activity by hypothalamic stimulation. Circ Res 32:Suppl 1:17-27, 5 May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ CHLOROTHIAZIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOGS/ ELECTRIC STIMULATION/ FEMALE/ FEMORAL ARTERY/ HEART RATE/ *HYPOTHALAMUS, physiology/ KIDNEY, blood supply/ KIDNEY, innervation/ MALE/ PROPRANOLOL, pharmacodynamics/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM CHLORIDE, administration & dosage/ STIMULATION, CHEMICAL/ SYMPATHECTOMY/ SYMPATHETIC NERVOUS SYSTEM, physiology

4237. Zeitlin SM: Hormonal induction of ovulation and spawning in the blind cave fish, Anoptichthys jordani with the use of human chorionic gonadatropin. Experientia 29:461-2, 15 Apr 73
ANIMAL EXPERIMENTS/ FERTILITY, drug effects/ *FISHES, physiology/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *OVULATION, drug effects

4238. Zelson PR, Wittliff JL: Secretion of lipovitellin into serum following induction of synthesis in the liver by estradiol-17 . Endocrinology 93:256-8, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, biosynthesis/ *BLOOD PROTEINS, secretion/ *ESTRADIOL, pharmacodynamics/ *LEUCINE, metabolism/ *LIVER, metabolism/ MALE/ TIME FACTORS/ TRITIUM/ VITELLINE MEMBRANE/ XENOPUS

4239. Zel'tser ME, Nikov PS: K voprosu ob obrazovanii antitel v usloviiakh nedostatka ioda v pitanii. Vopr Pitan 31:25-8, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ *ANTIBODY FORMATION, drug effects/ ANTIGENS, administration & dosage/ DIET/ ENGLISH ABSTRACT/ HEMOLYSINS, analysis/ INJECTIONS, INTRAPERITONEAL/ *IODINE, pharmacodynamics/ IODINE ISOTOPES/ *NUTRITION/ PROTEIN-BOUND IODINE TEST/ RATS/ SHEEP, immunology/ SPLEEN, immunology/ THYROID GLAND, pathology/ TIME FACTORS

4240. Zenman M, Neumann K: Vztah dojitelnosti k mastitidám dojnic.

Vet Med (Praha) 18:165-72, Mar 73 (Cze)
ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, complications/ CATTLE/ DAIRYING/ ENGLISH ABSTRACT/ FEMALE/ LACTATION/ MASTITIS, BOVINE, etiology/ *MASTITIS, BOVINE, physiopathology/ *MILK/ MILK, microbiology/ STREPTOCOCCUS AGALACTIAE, isolation & purification

4241. **Zer I, Machtey I, Kurz O:** Combined treatment of scleromalacia perforans in rheumatoid arthritis with penicillamine and plastic surgery.
Ophthalmologica 166:293-300, 1973
*ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ *EYE MANIFESTATIONS/ FASCIA LATA, transplantation/ FEMALE/ FLUPREDNISOLONE, therapeutic use/ HUMAN/ MIDDLE AGE/ PENICILLAMINE, administration & dosage/ *PENICILLAMINE, therapeutic use/ *SCLERA/ SCLERA, drug effects/ SCLERA, pathology/ SCLERA, surgery/ TRANSPLANTATION, AUTOLOGOUS

4242. **Zerbino DD:** Patologicheskaia anatomiia tiazelykh oslozhnenii likarstvennogo lecheniia.
Vrach Delo 4:120-3, Apr 73 (Rus)
ADULT/ ANAPHYLAXIS/ ANTIBIOTICS, adverse effects/ DRUG HYPERSENSITIVITY/ *DRUG THERAPY, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ STEROIDS, adverse effects/ TRANQUILIZING AGENTS, adverse effects

4243. **Zervas NT, Shintani A, Kuwayama A, et al:** Experimental induction heating hypophysectomy.
Confin Neurol 35:129-37, 1973
ANIMAL EXPERIMENTS/ CAVERNOUS SINUS/ DISEASE MODELS, ANIMAL/ ELECTRODES/ *HEAT/ *HYPOPHYSECTOMY/ HYPOPITUITARISM, etiology/ MACACA/ METHODS/ MONKEYS

4244. **Zesch A, Schaefer H:** Penetrationsverhalten verschiedener radiomarkierter Steroide in der menschlichen Haut.
Arzneim Forsch 23:415-9, Mar 73 (Ger)
DIFFUSION/ ENGLISH ABSTRACT/ FLUOCINOLONE ACETONIDE, administration & dosage/ *FLUOCINOLONE ACETONIDE, metabolism/ FORMIC ACIDS, metabolism/ *GLUCOCORTICOIDS, TOPICAL, metabolism/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, metabolism/ HYDROXYCORTICOSTEROIDS, metabolism/ IN VITRO/ KETOSTEROIDS, metabolism/ OINTMENTS/ PETROLATUM/ *PREGNADIENES, metabolism/ SKIN, drug effects/ *SKIN ABSORPTION/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

4245. **Zettner A:** Principles of competitive binding assays (saturation analysis). 1. Equilibrium techniques.
Clin Chem 19:699-705, Jul 73 (24 ref.)
*BINDING, COMPETITIVE/ BINDING SITES, ANTIBODY/ COMPARATIVE STUDY/ *DIGOXIN, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUGS, analysis/ EVALUATION STUDIES/ HORMONES, analysis/ LIGANDS/ MATHEMATICS/ METHODS/ *RADIOIMMUNOASSAY/ REVIEW/ TRITIUM/ VITAMINS, analysis

4246. **Zhenchevskiĭ RA:** Primenenie proteoliticheskikh fermentoc dlia preduprezhdeniia posleoperatsionnykh spaek briushnoĭ polosti.
Vestn Khir 108:48-53, Oct 72 (Rus)
*ADHESIONS, prevention & control/ ANIMAL EXPERIMENTS/ CATALYSIS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FIBRIN/ FIBRINOLYSIN/ *FIBRINOLYSIN, administration & dosage/ FIBRINOLYSIN, therapeutic use/ FIBRINOLYTIC AGENTS/ *FIBRINOLYTIC AGENTS, administration & dosage/ FIBRINOLYTIC AGENTS, therapeutic use/ HYDROCORTISONE/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ *PEPTIDE HYDROLASES, therapeutic
*POSTOPERATIVE COMPLICATIONS, prevention & control/ RABBITS/ TIM
FACTORS/ TRYPSIN/ *TRYPSIN, administration & dosage/ TRYPSIN, therapeutic use

4247. **Zhukova SV, Rasin MS, Fedorchenko O**
Materialy k patogenezu arterial'noi giperton
khronicheskim razdrazheniem hadpoche
Patol Fiziol Eksp Ter 17:24-8, Mar-Apr
*ADRENAL GLANDS, physiopathology/
ADRENAL MEDULLA, physiopatholog
ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ ELECTROLYTES, analysis/ ENGLISH ABSTRACT/ 11-HYDROXYCORTICOSTEROIDS, urin
*HYPERTENSION, etiology/ LIGATIO
RATS/ SPIRONOLACTONE, pharmaco

4248. **Ziboh VA:** Biosynthesis of prostaglandin E 2
skin: subcellular localization and inhib
unsaturated fatty acids and anti-inflammat
J Lipid Res 14:377-84, Jul 73
ARACHIDONIC ACID, metabolism/ A
pharmacodynamics/ CARBON ISOTOP
CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEXAMETHASONE, pharmacodynami
EDTA, pharmacodynamics/ *FATTY A
UNSATURATED, pharmacodynamics/
INDOMETHACIN, pharmacodynamics/
KINETICS/ MICROSOMES, drug effe
MICROSOMES, metabolism/
*PROSTAGLANDINS, biosynthesis/ S
cytology/ SKIN, drug effects/ *SKIN
metabolism/ SUBCELLULAR FRACTI
metabolism/ TIME FACTORS/
*TRIAMCINOLONE ACETONIDE, pharmacodynamics

4249. **Zimmer TJ, Dawson WW, Cade JR:** I
Electroretinographic changes: pre- and
dialysis. Ann Ophthalmol 5:769-72, Ju
*ELECTRORETINOGRAPHY/ ERYTH
GLUCOCORTICOIDS, therapeutic use
*HEMODIALYSIS/ HUMAN/ *KIDNE
DISEASES, physiopathology/ MEMBR
POTENTIALS/ MEMBRANE POTENT
drug effects/ POTASSIUM, blood/ *
physiopathology/ SODIUM, blood/ T
FACTORS/ *WATER-ELECTROLYTE
BALANCE/ WATER-ELECTROLYTE
BALANCE, drug effects

4250. **Zimmerman M:** Contraceptives and st
N Engl J Med 289:219, 26 Jul 73
*CEREBROVASCULAR DISORDERS, induced/ CEREBROVASCULAR DISO
occurrence/ *CONTRACEPTIVES, O
adverse effects/ FEMALE/ HUMAN
RETROSPECTIVE STUDIES

4251. **Zimmerman SW, Goodfriend TL, Rieselbac**
output by diseased and contralateral
kidneys following extracellular fluid
expansion and furosemide. Nephron 10:
ANIMAL EXPERIMENTS/ BLOOD
drug effects/ DOGS/ *EXTRACELL
SPACE, metabolism/ FEMALE/
FUROSEMIDE, pharmacodynamics/
GLOMERULAR FILTRATION RATE
HYPERTENSION, RENAL, metaboli
KIDNEY, metabolism/ MALE/ NAT
*PYELONEPHRITIS, metabolism/ R
VEINS, metabolism/ RENIN, blood/
secretion/ SODIUM CHLORIDE, pharmacodynamics

4252. **Zimmerman TJ, Dawson WW, Fitzge**
Electroretinographic changes in normal
administration of prednisone.
Ann Ophthalmol 5:757-65, Jul 73
ADAPTATION, BIOLOGICAL/ ADO
ADULT/ DARK ADAPTATION/
*ELECTRORETINOGRAPHY/ EVOK
POTENTIALS, drug effects/ *EYE,
effects/ HUMAN/ LIGHT/ MIDDLE
PHOTIC STIMULATION/ *PREDNI
pharmacodynamics

LIBRARY U. OF L. URBANA-CHAMPAIGN

L: Action de la thyroïdectomie sur
ertrophie surrénalienne compensatrice.
Soc Biol (Paris) 166:285-7, 9 Nov 72 (Fre)
DRENAL CORTEX HORMONES, blood/
DRENAL GLAND DISEASES/
DRENALECTOMY/ ANIMAL
PERIMENTS/ HYPERTROPHY, etiology/
LE/ ORGAN WEIGHT/ POSTOPERATIVE
MPLICATIONS/ RATS/ *THYROIDECTOMY

hos G, Zakarian S, Bergier G, et al: Problems in
nterpretation of ovarian biopsies in functional
ological disorders and sterility of ovarian origin.
prod Med 10:295-300, Jun 73
RENOGENITAL SYNDROME, diagnosis/
OPSY/ CORPUS LUTEUM, drug effects/
XAMETHASONE, pharmacodynamics/
SE-RESPONSE RELATIONSHIP, DRUG/
MALE/ GONADOTROPINS, CHORIONIC,
inistration & dosage/ HUMAN/
ECTIONS, INTRAMUSCULAR/
KETOSTEROIDS, urine/ *OVARIAN
EASES, diagnosis/ *OVARY, anatomy &
ology/ OVULATION, drug effects/
EGNANEDIOL, urine/ PREGNANETRIOL,
ne/ *STERILITY, FEMALE, diagnosis

che W, Heinecke H: Effects of variable Bacillus
ette-Guérin regimens on skin graft rejection.
plantation 15:172-3, Jan 73
IMAL EXPERIMENTS/ *BCG
CCINATION/ *GRAFT REJECTION/
PERSENSITIVITY, DELAYED, immunology/
MUNITY, CELLULAR/ LYMPHOCYTES,
nunology/ MICE/ MICE, INBRED STRAINS/
GAN WEIGHT/ PHAGOCYTOSIS/
TICULOENDOTHELIAL SYSTEM,
nunology/ SEX CHROMOSOMES,
nunology/ *SKIN, transplantation/ SPLEEN,
nunology/ TAIL/ THYMUS GLAND,
nunology/ TIME FACTORS/
ANSPLANTATION, HOMOLOGOUS/
RANSPLANTATION IMMUNOLOGY

HS: Metabolic evaluation through Alcian-blue
gen-eosin. Am J Dig Dis 18:536, Jun 73
DRENAL GLANDS, metabolism/ CELL
CLEUS/ CYTODIAGNOSIS/ *GLYCOGEN,
tabolism/ HISTOCYTOCHEMISTRY/
MAN/ *STAINS AND STAINING

gg RP, Oetliker OH:
physen-Nebennierenrinden-Funktion nach
id-Langzeittherapie.
Paediatr Acta 30:Suppl:17, 1973 (Ger)
MAN/ PITUITARY-ADRENAL FUNCTION
STS/ *PITUITARY-ADRENAL SYSTEM,
g effects/ PREDNISONE, administration &
age/ PREDNISONE, adverse effects/
REDNISONE, pharmacodynamics/
EDNISONE, therapeutic use/ TIME
CTORS

RB, Ballas M: Prostaglandin E 1 (PGE 1)
ression of adjuvant arthritis. Histopathology.
ritis Rheum 16:251-7, Mar-Apr 73
IMAL EXPERIMENTS/ *ARTHRITIS, drug
rapy/ ARTHRITIS, pathology/ CARTILAGE,
TICULAR, pathology/ EXUDATES AND
ANSUDATES/ MALE/
UCOPOLYSACCHARIDES/
OSTAGLANDINS, adverse effects/
ROSTAGLANDINS, therapeutic use/ RATS/
AINS AND STAINING/ SYNOVIAL FLUID/
NOVITIS, drug therapy/ SYNOVITIS,
thology/ TARSAL JOINT/ TARSAL JOINT,
thology/ TIBIA/ TIBIA, pathology/ TIME
CTORS

RB, Hoffstein S, Weissmann G: Cytochalasin B:
t on lysosomal enzyme release from human
ocytes. Proc Natl Acad Sci USA 70:844-8, Mar 73
DENOSINE CYCLIC 3',5' MONOPHOSPHATE,
armacodynamics/ ANTIGEN-ANTIBODY
OMPLEX/ COLCHICINE, pharmacodynamics/
TOCHALASIN B, pharmacodynamics/
LUCURONIDASE, metabolism/ HUMAN/
NDOLES, pharmacodynamics/ *LACTATE
EHYDROGENASE, metabolism/
UKOCYTES, cytology/ *LEUKOCYTES, drug
effects/ LEUKOCYTES, enzymology/
*LYSOSOMES, enzymology/ MICROSCOPY,
ELECTRON/ *MONILIALES/ PHAGOCYTOSIS/
PHAGOCYTOSIS, drug effects/
PROSTAGLANDINS, pharmacodynamics/
THEOPHYLLINE, pharmacodynamics/
ZYMOSAN

4260. Zussman L: The climacteric.
Proc R Soc Med 66:183-5, Feb 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ BLOOD PRESSURE, drug effects/
CASTRATION/ *CLIMACTERIC/
ENDOMETRIAL HYPERPLASIA, prevention &
control/ ESTRADIOL, therapeutic use/
ESTROGENIC SUBSTANCES, CONJUGATED,
therapeutic use/ *ESTROGENS, therapeutic
use/ FEMALE/ HYSTERECTOMY/ LIBIDO/
MALE/ MEDROXYPROGESTERONE,
therapeutic use/ MENOPAUSE/
METHYLTESTOSTERONE, therapeutic use/
MIDDLE AGE/ NORETHINDRONE, therapeutic
use/ OSTEOPOROSIS, occurrence/
OSTEOPOROSIS, prevention & control/
*PROGESTERONE, therapeutic use

ANONYMOUS

Adv Exp Med Biol

4261. IQ tests and intelligence in endemic cretinism.
Adv Exp Med Biol 30:507-11, 1972
*CRETINISM, diagnosis/ CRETINISM,
prevention & control/ HUMAN/
HYPERTHYROIDISM, chemically induced/
*INTELLIGENCE/ *INTELLIGENCE TESTS/
IODINE, administration & dosage/ IODINE,
therapeutic use/ IODIZED OILS, therapeutic
use

Aerosp Med

4262. Would you fly with these pilots? A panel discussion.
Aerosp Med 44:786-93, Jul 73
ADULT/ ANEMIA, SICKLE CELL/
AORTOCORONARY BYPASS/ ATMOSPHERIC
PRESSURE/ *AVIATION MEDICINE/
BRADYCARDIA, therapy/
ELECTROMAGNETICS/ HUMAN/ MALE/
MICROWAVES/ MYOCARDIAL INFARCT,
therapy/ *PACEMAKER, ARTIFICIAL/
PITUITARY NEOPLASMS, surgery/
PURPURA, THROMBOPENIC/ VISION
DISORDERS/ VISUAL FIELDS

Am J Hosp Pharm

4263. Methotrexate U.S.P. (amethopterin) and
methotrexate sodium.
Am J Hosp Pharm 30:542-8, Jun 73
ABORTION, INDUCED/ ANEMIA, chemically
induced/ BURKITT'S LYMPHOMA, drug
therapy/ CHORIOCARCINOMA, drug therapy/
DRUG INTERACTIONS/ FEMALE/ HUMAN/
LEUKEMIA, complications/ LEUKEMIA, drug
therapy/ LEUKOPENIA, chemically induced/
LIVER DISEASES, chemically induced/ MALE/
METHOTREXATE, administration & dosage/
METHOTREXATE, adverse effects/
METHOTREXATE, metabolism/
METHOTREXATE, pharmacodynamics/
*METHOTREXATE, therapeutic use/
NEOPLASMS, drug therapy/ PREGNANCY/
PSORIASIS, drug therapy/ SKIN DISEASES,
chemically induced/ TESTICULAR
NEOPLASMS/ THROMBOPENIA, chemically
induced/ URIC ACID, blood/ UTERINE
NEOPLASMS, drug therapy

LIBRARY U. OF L. URBANA-CHAMPAIGN

Am J Med

4264. Hypercalcemia and an elevated alkaline phosphatase level. Am J Med 54:751-60, Jun 73
*ALKALINE PHOSPHATASE, blood/ ALKYLATING AGENTS, therapeutic use/ ANEMIA, HEMOLYTIC, etiology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FATIGUE, etiology/ FEVER, etiology/ HUMAN/ *HYPERCALCEMIA, etiology/ LIVER NEOPLASMS, complications/ *LIVER NEOPLASMS, diagnosis/ LIVER NEOPLASMS, drug therapy/ LIVER NEOPLASMS, enzymology/ LIVER NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SARCOMA, RETICULUM CELL, complications/ *SARCOMA, RETICULUM CELL, diagnosis/ SARCOMA, RETICULUM CELL, drug therapy/ SARCOMA, RETICULUM CELL, enzymology/ SARCOMA, RETICULUM CELL, pathology/ SERUM ALBUMIN, analysis/ VINCA ALKALOIDS, therapeutic use

4265. Acute lymphoblastic leukemia with pulmonary complications. Am J Med 55:71-9, Jul 73
ADENOCARCINOMA, pathology/ ADOLESCENCE/ ADRENAL GLANDS, pathology/ ANEMIA, complications/ BONE MARROW CELLS/ CASE REPORT/ FEMALE/ HEMORRHAGE, pathology/ HISTOPLASMOSIS, complications/ *HISTOPLASMOSIS, pathology/ HUMAN/ HYDROTHORAX, pathology/ INTESTINE, SMALL, pathology/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ LIVER, pathology/ LUNG, pathology/ LUNG DISEASES, complications/ *LUNG DISEASES, pathology/ LYMPH NODES, pathology/ OVARY, pathology/ PANCREAS, pathology/ PLEURA, pathology/ SPLEEN, pathology

Ann Intern Med

4266. The early phase of acute myocardial infarction: pharmacologic aspects of therapy.
Ann Intern Med 78:918-36, Jun 73 (77 ref.)
ANIMAL EXPERIMENTS/ ATROPINE, adverse effects/ ATROPINE, therapeutic use/ BRADYCARDIA, complications/ BRADYCARDIA, physiopathology/ DEATH, SUDDEN/ DOGS/ ELECTROCARDIOGRAPHY/ GLUCOCORTICOIDS, therapeutic use/ GLYCERYL TRINITRATE, therapeutic use/ HEART RATE/ HUMAN/ HYPOTENSION, complications/ MYOCARDIAL INFARCT, complications/ *MYOCARDIAL INFARCT, drug therapy/ MYOCARDIAL INFARCT, mortality/ MYOCARDIAL INFARCT, pathology/ MYOCARDIAL INFARCT, physiopathology/ REFRACTORY PERIOD, NEUROLOGIC/ REVIEW/ UNITED STATES/ VAGUS NERVE, physiology/ VENTRICULAR FIBRILLATION, drug therapy/ VENTRICULAR FIBRILLATION, etiology/ VENTRICULAR FIBRILLATION, physiopathology

Arch Biochem Biophys

4267. Interaction of 1,8-ANS with human luteinizing hormones: a probe for subunit interactions of hCG and hLH. Arch Biochem Biophys 155:478-9, Apr 73
*ANILINE COMPOUNDS/ CATTLE/ FLUORESCENCE SPECTROMETRY/ *GONADOTROPINS, CHORIONIC/ HUMAN/ KINETICS/ *LH/ METHODS/ *NAPHTHALENES/ PEPTIDES/ PROTEIN BINDING/ THYROTROPIN

Arch Dermatol

4268. Psoriasis-liver-methotrexate interactions.
Arch Dermatol 108:36-42, Jul 73
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, pharmacodynamics/ AGE FACTORS/ ALANINE AMINOTRANSFERASE, blood/ ALCOHOL DRINKING/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BIOPSY/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ *LIVER, drug effects/ LIVER, pathology/ LIVER CIRRHOSIS, chemically induced/ LIVER CIRRHOSIS, pathology/ MALE/ METHOTREXATE, administration & dosage/ *METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ M AGE/ OBESITY, complications/ PSOR complications/ *PSORIASIS, drug the PSORIASIS, metabolism/ SEX FACTO SULFOBROMOPHTHALEIN, diagnostic TIME FACTORS

Australas Radiol

4269. Statement issued by the International Com Radiological Protection after its meet November 1972. Australas Radiol 16:36
BONE MARROW, radiation effects/ radiation effects/ HUMAN/ RADIATI DOSAGE/ RADIATION EFFECTS/ *RADIATION PROTECTION

Br Med J

4270. Hair loss and contraceptives.
Br Med J 2:499-500, 2 Jun 73
*ALOPECIA, chemically induced/ AL familial & genetic/ *CONTRACEPTIV ORAL, adverse effects/ HUMAN/ M PREGNANCY/ SEASONS/ TIME FA

4271. Reluctant expert witnesses. Br Med J 1:183
*CONTRACEPTIVES, ORAL, adverse ENGLAND/ *EXPERT TESTIMONY/ AND CHARGES/ OHIO/ *THROMBOEMBOLISM, chemically in

4272. Bronchospasm following althesin anaes
Br Med J 2:775, 30 Jun 73
*ANESTHETICS, adverse effects/ *BRONCHIAL SPASM, chemically in DRUG HYPERSENSITIVITY/ HUMA KETONES/ PANCURONIUM, adverse *PREGNANES, adverse effects/ SKI

Calif Med

4273. Isolated hypoaldosteronism. Calif Med 118
AGE FACTORS/ AGED/ *ALDOSTE metabolism/ HUMAN/ MALE/ *MET INBORN ERRORS

Can J Med Technol

4274. Cellular effect of contraceptive medi
Can J Med Technol 35:11-4, Jan-Feb
ADULT/ AGED/ CELL NUCLEUS, effects/ *CERVIX UTERI, drug effe CERVIX UTERI, pathology/ *CONTRACEPTIVES, ORAL, adverse FEMALE/ HUMAN/ MIDDLE AGE/ drug effects/ VAGINA, pathology

Can Med Assoc J

4275. Optimism in leukemia treatment.
Can Med Assoc J 108:821, 7 Apr
ACUTE DISEASE/ ADULT/ CHILD CYCLOPHOSPHAMIDE, therapeutic CYTARABINE, therapeutic use/ HU HYDROXYUREA, therapeutic use/ *LEUKEMIA, therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ L MYELOBLASTIC, drug therapy/ LE MYELOCYTIC, drug therapy/ MERCAPTOPURINE, therapeutic us METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

4276. Corticosteroid treatment of Bell's pa
Can Med Assoc J 108:818, 7 Apr
*FACIAL PARALYSIS, drug therap PARALYSIS, etiology/ HUMAN/ PREDNISOLONE, administration & *PREDNISOLONE, therapeutic use

Food Cosmet Toxicol

4277. The case against the blighted potat
Food Cosmet Toxicol 11:311-4, Apr
ABNORMALITIES, etiology/ *ABNORMALITIES, DRUG-INDUCE ALKALOIDS, analysis/ ALKALOID *ANENCEPHALUS, chemically indu ANIMAL EXPERIMENTS/ ANTIFU AGENTS, analysis/ ANTIFUNGAL poisoning/ CYTOCHALASIN B, an CYTOCHALASIN B, poisoning/ FE

OOD MICROBIOLOGY/ FOOD
RESERVATION/ *FUNGI/ HUMAN/
HYCOMYCETES/ PREGNANCY/ REVIEW/
ASONS/ SOLANINE, analysis/ SOLANINE,
isoning/ *SPINA BIFIDA, chemically
duced/ STEROIDS, analysis/ STEROIDS,
isoning/ *VEGETABLES, adverse effects/
EGETABLES, analysis

oxiloxanes and reproduction.
l Cosmet Toxicol 11:319-21, Apr 73 (10 ref.)
BNORMALITIES, DRUG-INDUCED/ ANIMAL
XPERIMENTS/ ATROPHY/ COOKING AND
ATING UTENSILS/ COSMETICS/ EMBRYO,
ug effects/ ESTRUS, drug effects/
EMALE/ GONADS, drug effects/ GONADS,
ysiology/ MALE/ PITUITARY GLAND, drug
fects/ PITUITARY GLAND, physiology/
EGNANCY/ PROSTATE, drug effects/
ABBITS/ RATS/ *REPRODUCTION, drug
fects/ REVIEW/ SEMINAL VESICLES, drug
fects/ *SILICONES/ SILICONES, adverse
fects/ SILICONES, toxicity/
PERMATOGENESIS, drug effects/
TRUCTURE-ACTIVITY RELATIONSHIP/
URGICAL EQUIPMENT/ TESTICULAR
SEASES, chemically induced

um: useful drug or hazardous teratogen?
l Cosmet Toxicol 11:135-9, Feb 73 (37 ref.)
BNORMALITIES, DRUG-INDUCED/ ANIMAL
XPERIMENTS/ EVALUATION STUDIES/
EMALE/ GOITER, chemically induced/
UMAN/ INFANT, NEWBORN/ *LITHIUM/
THIUM, adverse effects/ LITHIUM, blood/
THIUM, therapeutic use/ LITHIUM,
xicity/ MATERNAL-FETAL EXCHANGE/
TOSIS, drug effects/ OBESITY, chemically
duced/ PREGNANCY/ PSYCHOSES,
ANIC-DEPRESSIVE, drug therapy/ REVIEW/
PECIES SPECIFICITY/ THYROID GLAND,
ug effects

Frauenheilkd
Blasenmole (Ein schriftliches Symposion.
urtshilfe Frauenheilkd 33:338-60, May 73 (Ger)
NGLISH ABSTRACT/ FEMALE/
ONADOTROPINS, CHORIONIC, urine/
UMAN/ HYSTERECTOMY/ METHOTREXATE,
erapeutic use/ PREGNANCY/ PROGNOSIS/
ROSTAGLANDINS, therapeutic use/
LTRASONICS, diagnostic use/ UTERINE
EOPLASMS, diagnosis/ UTERINE
EOPLASMS, drug therapy/ UTERINE
EOPLASMS, prevention & control/ UTERINE
EOPLASMS, surgery/ *UTERINE
EOPLASMS, therapy

onse to therapy confirms diagnosis.
iatrics 28:52 passim, Jul 73
GED/ ANEMIA, etiology/ BLOOD
EDIMENTATION/ DIURETICS, therapeutic
e/ EDEMA, drug therapy/ EDEMA, etiology/
EMALE/ HEMOGLOBINOMETRY/ HUMAN/
EUKOCYTOSIS, etiology/ POLYMYALGIA
HEUMATICA, complications/
POLYMYALGIA RHEUMATICA, diagnosis/
OLYMYALGIA RHEUMATICA, drug therapy/
REDNISONE, therapeutic use

cts of drugs on the fetus. JAMA 225:60, 2 Jul 73
DOLESCENCE/ CHILD/ *ESTROGENS,
harmacodynamics/ FEMALE/ *FETUS, drug
ffects/ HUMAN/ MALE/ PREGNANCY/
SYCHOSEXUAL DEVELOPMENT, drug
ffects

too little, not too much. Lancet 1:1227, 2 Jun 73
NESTHETICS, LOCAL/ ANTICONVULSANTS/
NTIDEPRESSIVE AGENTS/
ONTRACEPTIVES, ORAL/ *DRUG THERAPY,
dverse effects/ DRUGS, administration &
osage/ GREAT BRITAIN/ HUMAN/
PHARMACY AND THERAPEUTICS
OMMITTEE/ PREGNANCY

e renal failure. Lancet 2:134-5, 21 Jul 73
ANIMAL EXPERIMENTS/ DOGS/
FUROSEMIDE, therapeutic use/ HUMAN/
ISCHEMIA, complications/ *KIDNEY
FAILURE, ACUTE/ KIDNEY FAILURE,
ACUTE, blood/ KIDNEY FAILURE, ACUTE,
drug therapy/ KIDNEY FAILURE, ACUTE,
etiology/ KIDNEY FAILURE, ACUTE,
mortality/ KIDNEY GLOMERULUS, blood
supply/ KIDNEY GLOMERULUS, pathology/
MICROSCOPY, ELECTRON/ RENIN, blood

4285. Hazards of potent topical corticosteroids.
Lancet 1:870-1, 21 Apr 73
ATROPHY, chemically induced/ *DERMATITIS
MEDICAMENTOSA/ FLUORINE/
*GLUCOCORTICOIDS, TOPICAL, adverse
effects/ HUMAN/ *SKIN, drug effects/
TELANGIECTASIS, chemically induced

4286. Indications for thyroidectomy. Lancet 2:82, 14 Jul 73
ADULT/ AGE FACTORS/ AUTOANTIBODIES,
analysis/ GOITER, surgery/ GOITER,
EXOPHTHALMIC, radiotherapy/ GOITER,
NODULAR, surgery/ HUMAN/ IODINE
ISOTOPES, therapeutic use/ THYROID
NEOPLASMS, surgery/ *THYROIDECTOMY/
THYROIDITIS, LYMPHOMATOUS, diagnosis/
THYROIDITIS, LYMPHOMATOUS, immunology

4287. The empty sella. Lancet 1:925-6, 28 Apr 73
AUTOPSY/ CEREBROSPINAL RHINORRHEA,
diagnosis/ DIAGNOSIS, DIFFERENTIAL/
ENDOCRINE DISEASES, diagnosis/ FEMALE/
HEADACHE, etiology/ HUMAN/
INTRACRANIAL PRESSURE/ MALE/ MIDDLE
AGE/ PITUITARY DISEASES, diagnosis/
PITUITARY NEOPLASMS, diagnosis/
PNEUMOENCEPHALOGRAPHY/ *SELLA
TURCICA, pathology/ SELLA TURCICA,
radiography/ SEX FACTORS/ SYNDROME

Med J Aust
4288. Stereotactic neurosurgery for aggressive behaviour.
Med J Aust 1:779-80, 21 Apr 73
ADOLESCENCE/ ADULT/ *AGGRESSION/
AMYGDALOID BODY, surgery/ CHILD/
HUMAN/ HYPERKINESIS, surgery/
HYPOTHALAMUS, surgery/
*PSYCHOSURGERY/ SCHIZOPHRENIA,
surgery/ *STEREOTAXIC TECHNICS

4289. Parathyroid problems. Med J Aust 1:719-20, 14 Apr 73
*ADENOMA, surgery/ HUMAN/
*HYPERPARATHYROIDISM, surgery/
*PARATHYROID GLANDS, abnormalities/
*PARATHYROID NEOPLASMS, surgery/
*THYROID GLAND, abnormalities/
THYROIDECTOMY

4290. The treatment of hypercalcaemia.
Med J Aust 1:419, 3 Mar 73
HUMAN/ HYPERCALCEMIA, drug therapy/
HYPERCALCEMIA, etiology/
*HYPERCALCEMIA, therapy/
HYPERPARATHYROIDISM, surgery/
MITHRAMYCIN, therapeutic use

Med Lett Drugs Ther
4291. Diethylstilbestrol as a "morning after" contraceptive.
Med Lett Drugs Ther 15:58-9, 6 Jun 73
CONTRACEPTIVES, POSTCOITAL, adverse
effects/ *CONTRACEPTIVES, POSTCOITAL,
pharmacodynamics/ DIETHYLSTILBESTROL,
administration & dosage/
DIETHYLSTILBESTROL, adverse effects/
*DIETHYLSTILBESTROL, pharmacodynamics/
FEMALE/ HUMAN/ *NIDATION, drug effects/
UNITED STATES FOOD AND DRUG
ADMINISTRATION

4292. Norethindrone--the "minipill".
Med Lett Drugs Ther 15:45-6, 25 May 73
CONTRACEPTIVES, ORAL, adverse effects/
FEMALE/ HUMAN/ MENSTRUATION, drug
effects/ NEOPLASMS, chemically induced/
*NORETHINDRONE/ NORETHINDRONE,
adverse effects/ PREGNANCY

4293. Nutrition in pregnancy.
Med Lett Drugs Ther 15:67-8, 3 Aug 73

ASCORBIC ACID/ DIETARY PROTEINS/ FEMALE/ FOLIC ACID/ HUMAN/ IRON/ *NUTRITION/ *PREGNANCY/ PREGNANCY COMPLICATIONS, prevention & control/ SODIUM/ VITAMIN A/ VITAMIN D/ VITAMINS

N Engl J Med

4294. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 33-1973. N Engl J Med 289:366-71, 16 Aug 73
ADRENAL GLAND DISEASES, pathology/ AGED/ AUTOPSY/ BONE MARROW DISEASES, pathology/ BRAIN, pathology/ BRAIN DISEASES, diagnosis/ *BRAIN DISEASES, pathology/ BRAIN STEM, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ LIVER DISEASES, pathology/ MALE/ OCULOMOTOR PARALYSIS, etiology/ PNEUMONIA, diagnosis/ PONS, pathology/ SCLERODERMA, SYSTEMIC, diagnosis/ SCLERODERMA, SYSTEMIC, pathology/ TUBERCULOMA, diagnosis/ *TUBERCULOMA, pathology/ *TUBERCULOSIS, MILIARY, pathology/ TUBERCULOSIS, PULMONARY, diagnosis/ TUBERCULOSIS, PULMONARY, pathology/ TUBERCULOSIS, RENAL, pathology

Nutr Rev

4295. Carbonic anhydrase and bone resorption. Nutr Rev 31:101-2, Mar 73 (2 ref.)
ACETAZOLAMIDE, pharmacodynamics/ AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES, pharmacodynamics/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBONIC ANHYDRASE INHIBITORS, administration & dosage/ *CARBONIC ANHYDRASE INHIBITORS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HOMEOSTASIS/ KIDNEY, physiology/ METHAZOLAMIDE, pharmacodynamics/ MICE/ NEPHRECTOMY/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, physiology/ RATS/ REVIEW/ SKULL, metabolism/ SULFANILAMIDE, pharmacodynamics

4296. Utilization of linoleic acid by the rat fetus. Nutr Rev 31:103, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, metabolism/ *LINOLEIC ACID, metabolism/ MATERNAL-FETAL EXCHANGE/ PHOSPHOLIPIDS, biosynthesis/ PLA metabolism/ PREGNANCY/ RATS/ STEREOISOMERS/ STRUCTURE-ACT RELATIONSHIP

4297. Ascorbate stimulation of tyrosine hyd formation. Nutr Rev 31:93-4, Mar 73
ADRENAL GLANDS, drug effects/ GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *ASCORBIC ACID/ ASCORBIC ACID, antagonists & inh ASCORBIC ACID, pharmacodynamics ASCORBIC ACID, therapeutic use/ DACTINOMYCIN, pharmacodynamics PIGS/ IMMUNOCHEMISTRY/ MALE PRECIPITIN TESTS/ PROTEINS, bi PUROMYCIN, pharmacodynamics/ R immunology/ REVIEW/ SCURVY, drug therapy/ *SCURVY, enzymolog FACTORS/ *TYROSINE HYDROXYL biosynthesis

Postgrad Med J

4298. Panel discussion: the treatment of c cardiomyopathy. Postgrad Med J 48:7
DIGITALIS GLYCOSIDES, therapeu GLUCAGON, therapeutic use/ HEA ENLARGEMENT, therapy/ HUMAN/ *MYOCARDIAL DISEASES, PRIMA therapy/ REST/ STEROIDS, therap

RI Med J

4299. Synthesis of parathyroid hormone. RI Med J 56:198-9, May 73
METHODS/ *PARATHYROID HORM synthesis

WHO Tech Rep Ser

4300. Reproductive function in the human male WHO scientific group.
WHO Tech Rep Ser 520:1-34, 1973
CHROMOSOME ABNORMALITIES/ CHROMOSOMES/ CYTOGENETICS/ EJACULATION/ EPIDIDYMIS, phys FSH, secretion/ HORMONES, physi HUMAN/ IMMUNOLOGY/ LEYDIG physiology/ LH, secretion/ MALE/ *REPRODUCTION/ REVIEW/ SEMI physiology/ SPERMATOGENESIS/ S MALE/ TESTIS, cytology/ VAS DE physiology

LIBRARY U. OF L. URBANA CAMPUS

A

3109
1686, 2599, 3174
INJURIES: 107, 580, 3049
NEOPLASMS: 768, 1441, 2168
WALL: 207, 887, 1441, 2048, 3164
TIES 258, 282, 306, 789, 1134, 1247,
1796, 1801, 1836, 2284, 2708, 3164,
3696, 4277
TIES, DRUG-INDUCED: 38, 207, 258,
1377, 1603, 1652, 1683, 1756, 1836,
1949, 2005, 2048, 2301, 2999, 3067,
4279
TIES, MULTIPLE: 38, 207, 687, 789,
1338, 1424, 1441, 1508, 1652, 1771,
1949, 1963, 2005, 2048, 2073, 2164,
3381, 3494, 3790, 4040, 4127, 4194,

42, 339, 409, 609, 936, 1145, 1235,
2532, 3245, 3869, 3978
HABITUAL: 148
INDUCED: 717, 734, 1003, 1119, 1612,
1945, 3869, 4161
LEGAL: 609, 1820, 2964, 4199
MISSED: 1531
SEPTIC: 2668
THERAPEUTIC: 446, 1323, 1508, 1641,
2274, 2278, 2626, 2675, 3870
THREATENED: 678, 1499, 2532, 2788,

VETERINARY: 3121
PLACENTAE: 728, 2708
637
N: 491, 1006, 1094, 1158, 1384, 1573,
2730, 2798, 2916, 3095, 4080
S, DENTAL: 3806
YSIS: 332
S NIGRICANS: 424
ION: 18
514
, TRAFFIC: 2595, 3448
ZATION: 657, 1587, 1621, 2899, 4138
ARIA: 2280
UM 3914
HYDE: 784, 990, 1985, 2705, 3880
1254, 1679
ES: 127, 204, 327, 2867, 3759, 4203
OPHEN: 1674, 1861, 2786, 4112
DE: 1024, 3124, 3759
262, 540, 567-568, 1387, 1413, 1461,
2634, 2649-2650, 3031, 3045, 3455,
4058
AMIDE: 287, 483, 696, 1818, 2733, 4138,

IDS: 122, 674, 726, 945, 1160, 1731,
1905, 2403, 2446, 2538, 2540, 3409,

TATES 2966
119, 1939
DA CARBOXYLASE: 57
ION 472, 1502
OLINE: 116, 179, 200, 223, 294, 522,
741, 868, 978, 1222, 1559, 1644, 1656,
1774, 2000, 2058, 2165, 2177, 2198,
2404, 2510, 2546, 2704, 2735, 2761,
3220, 3241, 3350, 3372, 3491, 3550,
4036 4085, 4136
OLINESTERASE: 610, 883, 978, 1564,
2503, 2664, 2849, 3241
ANSFERASES: 179, 335, 838, 883, 978,

TENDON: 3200, 4157
DRIA: 1495
PLASIA: 3427, 3649
ACTER: 828
EQUILIBRIUM: 333, 782, 935, 970,
2802, 3890, 3917
PHATASE: 149, 334, 357, 587, 775,
1473, 1638, 2027, 2092-2093, 2263, 2369,
2484, 2774, 2785, 3113, 3116, 3135,
3602, 3784, 3887, 4197
594, 670, 1933, 2239, 2461, 3194, 4011,

DIABETIC: 3120, 3883
RENAL TUBULAR: 219, 1401, 2443,
3868
5. 3125
1744, 2183, 2219, 2484, 2782, 3628
NERVE: 406, 1693, 2135, 2444

ACOUSTIC STIMULATION: 100, 181, 249, 529, 1001, 1059, 1373, 2620, 2712, 2848, 3047, 3144, 4213
ACRIDINES: 904, 3133, 3960, 4172
ACROCEPHALOSYNDACTYLIA: 3649
ACROMEGALY: 132-133, 353, 636, 756, 900, 924, 1035, 1139, 1150, 1324, 1776, 2291, 2411, 2437, 2464, 2573, 2671, 2938, 2960, 3132, 3138, 3319, 3450, 3715, 3912, 3934, 3939, 4063, 4143
ACRYLAMIDES: 1876
ACRYLATES: 134
ACTIN: 301
ACTINOMYCIN: 1678, 4133
ACTION POTENTIALS: 89, 232, 390, 566, 630, 971, 1305, 1357, 1443, 1656, 1774, 2143, 2761, 2848, 3073, 3209, 3521, 3702, 3875, 4031
ACTIVATION ANALYSIS: 590, 1483, 2366, 2906, 3799
ACTOMYOSIN: 301, 426, 2319
ACUTE DISEASE: 289, 384, 490, 510-511, 805, 811, 931, 1244, 1535, 1545, 1670, 1722, 1771, 1877, 2352, 2470, 2646, 2832, 3326, 3672, 3785, 3953, 4018, 4098, 4119, 4138, 4275
ACYLATION: 780, 2501
ACYLTRANSFERASES: 780, 3137
ADAPTATION, BIOLOGICAL: 4252
ADAPTATION, OCULAR: 342
ADAPTATION, PHYSIOLOGICAL: 67, 190, 467, 960, 2178, 2495, 2908, 3022, 3109, 3389, 3860, 3916
ADAPTATION, PSYCHOLOGICAL: 612
ADDISON'S DISEASE: 150, 986, 1562, 2322, 2349, 3921, 3983
ADENINE: 1728, 1912, 1928, 1962, 2139, 2186, 2523, 2572, 3731
ADENINE NUCLEOTIDES: 351, 680, 686, 1220-1221, 1742, 1846, 2501, 2572, 2780
ADENOCARCINOMA: 7, 373, 455, 464, 561, 663, 666, 775, 837, 866, 922, 959, 1333, 1575, 1746, 1753, 2195, 2262, 2345, 2486, 2544, 2590, 2594, 2629, 2632, 2699, 2727, 2862-2863, 3084, 3215, 3236, 3271, 3347, 3375, 3403, 3713, 3797, 3836, 3900, 3983, 4033, 4039, 4168, 4265
ADENOCARCINOMA, PAPILLARY: 2021, 2209, 2629, 2850
ADENOFIBROMA: 34, 176, 2060, 2568, 3555, 3617, 4040
ADENOMA: 133, 163, 336, 406, 427, 473, 511, 719, 805, 848, 922, 928-929, 956, 1065, 1129, 1132, 1260, 1270, 1320, 1380, 1406, 1438, 1538, 1658, 1669, 1735, 1746, 1762, 2126, 2130, 2141, 2171, 2176, 2181, 2230, 2235, 2393, 2416, 2434, 2441, 2515, 2553, 2615, 2641, 2696, 2828, 2836, 3025, 3084, 3180, 3290, 3355, 3373, 3486, 3521, 3589, 3723, 3807, 3816, 3825, 3872, 3928, 3938, 3956, 4078, 4124, 4159, 4289
ADENOMA, BASOPHILIC: 3344
ADENOMA, CHROMOPHOBE: 44, 1762, 2189, 2464, 2671, 2686, 2695, 2828, 2836, 3951
ADENOMA, EOSINOPHILIC: 2645, 2828, 3344, 3912
ADENOMA, VIRILIZING: 2599, 3846
ADENOMATOSIS, FAMILIAL ENDOCRINE: 3851
ADENOSINE: 1510, 1846, 2353, 2501, 2798, 3316, 3460
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE: 3, 56-57, 62, 73, 83, 105, 119, 172, 179, 220, 223, 289, 311-312, 340, 345-346, 404, 408, 421, 471, 476, 497, 500, 519, 637, 651, 680, 686, 702-703, 708, 838, 849, 855, 916, 920, 941, 977, 985, 1044, 1082, 1089, 1131, 1157, 1164, 1180, 1187, 1199, 1220-1221, 1234, 1281, 1284, 1308, 1372, 1388, 1402-1403, 1449-1450, 1475, 1509-1510, 1516, 1539, 1560, 1566, 1572, 1600, 1605, 1635, 1692, 1695, 1718, 1729, 1766, 1773, 1786, 1802, 1810, 1814, 1826, 1846, 1852, 1862, 1378, 1893-1895, 1900, 1912, 1924, 1951, 1962, 1965, 1981, 1993, 2009, 2012, 2032, 2062, 2101, 2103-2104, 2106, 2108, 2111, 2139, 2147, 2161, 2166, 2184, 2186, 2198, 2200, 2226, 2267, 2274, 2319, 2327, 2334, 2338, 2357, 2391, 2400, 2422, 2433, 2456, 2489, 2500-2502, 2518, 2523, 2534, 2546, 2591, 2607, 2689, 2715-2716, 2734, 2750, 2769, 2815, 2892, 2952, 2959, 2968, 2986, 2995, 3040, 3048, 3100, 3113, 3156, 3170, 3176, 3196, 3230-3231, 3249, 3294-3295, 3297, 3303, 3316, 3364, 3377, 3399, 3411, 3446, 3460, 3482, 3497, 3552, 3571, 3683, 3712, 3731, 3772, 3783, 3795, 3802, 3821, 3833, 3850, 3879, 3884, 3910, 3948, 3968, 3970, 3973, 3976, 4003, 4036, 4049, 4055, 4114, 4121, 4131, 4156, 4171, 4192, 4219, 4259
ADENOSINE DIPHOSPHATE: 626, 1220, 1594, 1851, 2205, 2338, 2501, 2572, 2618, 2900, 3280, 3316, 3625, 3698, 4086, 4125
ADENOSINE MONOPHOSPHATE: 220, 977, 980, 1204, 1308, 1928, 2104, 2186, 2233, 2501, 2572, 2952, 3249, 3316, 3446, 3619, 3683, 4055
ADENOSINE TRIPHOSPHATASE: 225, 421, 478, 668, 847, 894, 1112, 1335, 1337, 1387, 1425, 1615, 1897, 1944, 2063, 2080, 2263, 2530, 2673, 2733, 3135, 3241, 3320, 3350, 3419, 3461, 3513, 3566, 3592, 3677, 3735, 4071, 4125
ADENOSINE TRIPHOSPHATE: 73, 125, 187, 239, 301, 562, 582-583, 626, 847, 892, 977, 1104, 1131, 1196, 1220-1222, 1513, 1530, 1810, 1897, 1944, 2051, 2063, 2104, 2123, 2139, 2198, 2205, 2274, 2422, 2496, 2501, 2572, 2578-2579, 2587, 2673, 2715, 2750, 3048, 3280, 3350, 3552, 3619, 3625, 3712, 3733, 3735, 3802, 3926, 3948, 3968, 4036, 4125

S-ADENOSYLMETHIONINE: 403, 1054, 1152, 2634, 2711, 2965, 3203, 3515
ADENOVIRUS: 1907, 3270
ADENYL CYCLASE: 3, 64, 73-74, 251, 345-346, 380, 586, 641, 651, 686, 702, 743, 894, 1104, 1151, 1403, 1505, 1510, 1566, 1766, 1786, 1810-1811, 1928, 1965, 1967, 2012, 2139, 2161, 2198, 2226, 2353, 2422, 2452, 2489, 2523, 2534, 2546, 2750, 2769, 2952, 3048, 3207, 3248, 3294, 3297, 3317, 3377, 3411, 3482, 3497, 3513, 3712, 3734, 3744, 3848, 3958, 3968, 3976, 4003, 4025, 4036-4037, 4122, 4131
ADHESIONS: 4246
ADHESIVENESS: 957
ADIPHENINE: 2638-2639, 3066
ADIPOSE TISSUE: 93, 97, 160, 237, 763, 780, 1022, 1151, 1164, 1410, 1461, 1494, 1505, 1556, 1621, 1809, 1874, 1895, 1951, 2055, 2161, 2210, 2224, 2231, 2265, 2318, 2321, 2353, 2494, 2607, 2783, 2793, 2892, 2939, 2988, 3095, 3182, 3207, 3248, 3460, 3552, 3608, 3614, 3699, 3813-3814, 3892, 3950, 4038
ADJUVANTS, IMMUNOLOGIC: 3115, 3298
ADMINISTRATION, INTRANASAL: 173, 2297, 3818
ADMINISTRATION, ORAL: 37, 95, 185, 204, 341, 383, 493, 682, 685, 731, 779, 833, 887, 914, 931, 1067, 1095, 1213, 1378, 1400, 1464, 1581, 1626, 1686, 1698, 1761, 1804, 1845, 1883, 1922, 1966, 2043, 2076, 2217, 2309, 2405, 2418, 2441-2442, 2481, 2492, 2590, 2624, 2642, 2672, 2702, 2950, 2999, 3066, 3205, 3216, 3250, 3324, 3409, 3480, 3548, 3567, 3589, 3903, 3910, 4006, 4023, 4065, 4070, 4200, 4228, 4236, 4268
ADNEXA UTERI: 1421
ADNEXAL DISEASES: 3634
ADOLESCENCE: 5, 7, 34, 41, 45, 58, 63, 68, 70-71, 93, 96, 111-112, 121, 128, 132, 138-139, 141, 145, 155, 175, 208, 229, 235-236, 245, 262, 265, 267, 281, 297, 302, 306, 316, 342, 371, 392, 406, 418, 420, 424, 440, 442, 446, 451, 455, 533, 549, 554, 599-600, 646, 670, 689, 693, 697, 734, 757, 783, 794, 796, 837, 844, 874-875, 882, 896, 924, 942, 956, 963-964, 979, 981, 984, 986, 989, 1025, 1036, 1046-1047, 1067, 1085-1086, 1134, 1140, 1145, 1147, 1150, 1154, 1156, 1163, 1170, 1172, 1200, 1217, 1244, 1247, 1260, 1262, 1288, 1319, 1345, 1349, 1358, 1362, 1394, 1417-1418, 1433, 1436, 1444, 1458, 1465, 1472, 1486, 1536-1537, 1573, 1581, 1622, 1625, 1642, 1649, 1663, 1686, 1690, 1700, 1711, 1735, 1739, 1744, 1746, 1763, 1771, 1791, 1812, 1824, 1838-1839, 1860, 1865, 1890-1891, 1896, 1913, 1918, 1926, 1935, 1938, 1961, 1968, 1976, 1983, 1994, 1997, 2017, 2020, 2058, 2073, 2082, 2084, 2096, 2102, 2125, 2149-2150, 2157, 2164, 2169, 2180, 2182-2183, 2191-2192, 2195, 2202, 2212-2213, 2229, 2237, 2239, 2272, 2278, 2283-2284, 2287, 2290-2291, 2332, 2335, 2350, 2381, 2398, 2414, 2427, 2445, 2471, 2476, 2486, 2494, 2513, 2548, 2551, 2553-2555, 2602, 2610, 2621-2622, 2648, 2655, 2667, 2675, 2679, 2686, 2688, 2692-2693, 2699, 2760, 2763, 2776, 2782, 2811, 2819, 2821, 2825, 2827, 2832, 2851, 2856, 2859, 2872, 2887-2888, 2892-2893, 2909-2910, 2934, 2943, 2970, 2977, 2983, 3002, 3012, 3024, 3026, 3037, 3065, 3078, 3086, 3094-3095, 3127, 3132, 3159, 3175,

3180, 3185, 3212, 3215, 3220, 3222, 3252, 3272-3273, 3279, 3283, 3292, 3326, 3332, 3340-3341, 3354, 3358, 3370, 3392, 3413, 3421, 3429, 3434, 3444, 3450, 3458, 3464, 3492-3493, 3495, 3555, 3559, 3567, 3594, 3603, 3627, 3634, 3649, 3656, 3659, 3671, 3675, 3693, 3701, 3715, 3718, 3727, 3741, 3766, 3800, 3805, 3811, 3818, 3843, 3865, 3868, 3877, 3881, 3888, 3895, 3917, 3935, 3939, 3942, 3979, 3987, 3995, 4011, 4039, 4053, 4064, 4098, 4107, 4116, 4123, 4130, 4137, 4161, 4165, 4188, 4199, 4207, 4217 4227-4228, 4235, 4252, 4260, 4265, 4282, 4288

ADRENAL CORTEX HORMONES: 99, 102, 115, 118, 142, 165, 174, 184, 245, 345, 416-417, 459, 502, 512, 514, 516, 524, 594, 619, 631, 639, 746, 781, 796, 799, 802, 833, 836, 865, 927, 1126, 1133, 1216, 1229, 1231, 1239, 1248, 1316, 1329-1330, 1350, 1504, 1509, 1548, 1615, 1646, 1691-1692, 1701, 1706, 1710, 1792, 1804, 1808, 1838-1839, 1852, 1982, 2025, 2042, 2059, 2076, 2088, 2090, 2100, 2102, 2134, 2169, 2206, 2219, 2230, 2258, 2322, 2383, 2409, 2414-2415, 2459, 2461, 2481-2482, 2490, 2524, 2582-2583, 2601, 2610, 2613, 2654-2655, 2765, 2846, 2853, 3057, 3062, 3101, 3115, 3134, 3216, 3354, 3389, 3432, 3445, 3517, 3571, 3575, 3597, 3628, 3666, 3679, 3724, 3808, 3934, 3961, 3993, 4005, 4042, 4062, 4075-4076, 4137, 4221, 4253, 4268

ADRENAL CORTICAL REST TUMOR: 2168, 3956

ADRENAL GLAND DISEASES: 176, 399, 608, 1136, 1338, 1423, 1487, 1877, 2311, 2322, 2378, 2902, 3032, 4253, 4294

ADRENAL GLAND HYPERFUNCTION: 399, 848, 943, 1472, 1839, 2017, 2351, 2970, 3131, 3934

ADRENAL GLAND HYPOFUNCTION: 185, 281, 595, 858, 1231, 1346, 1622, 1760, 2017, 2209, 2322, 2754, 2811, 2998, 3014, 3921, 3934

ADRENAL GLAND NEOPLASMS: 176, 184, 317, 359, 399, 663, 726, 845, 848, 858, 956, 1063, 1129, 1260, 1294, 1320, 1441, 1634, 1720, 1735, 1984, 2001, 2322, 2429, 2599, 2752, 2850, 2859, 3098, 3344, 3420, 3492, 3511, 3589, 3771, 3846, 3872, 3921, 3928, 3956, 4078

ADRENAL GLANDS: 17-18, 24, 49, 76, 91, 95, 104, 108, 147, 174, 181, 184, 195, 201-202, 239, 291, 324, 330, 368, 388, 399, 411, 421, 439, 468-469, 476, 521, 529, 534, 543, 587, 597, 608, 619, 623, 656, 661, 683, 711, 721, 746, 780, 788, 790-791, 797-798, 829, 832, 862-863, 865, 899, 911, 927, 933, 943, 990-991, 1033, 1054, 1059, 1071, 1083, 1089, 1110, 1127, 1157, 1176, 1222, 1248, 1290, 1302, 1311, 1354, 1375, 1379, 1390, 1425-1427, 1449-1450, 1483, 1507, 1509, 1534, 1570-1571, 1588, 1602, 1618, 1622, 1648-1648, 1660, 1664, 1688, 1710, 1765, 1767, 1792, 1797, 1804, 1814, 1817, 1839, 1841, 1848, 1850, 1853, 1876, 1966, 1985-1986, 2024, 2039, 2058, 2064-2065, 2072, 2081, 2145, 2209, 2232, 2240, 2258, 2270, 2277, 2311, 2321, 2344, 2349, 2357, 2359, 2390, 2421, 2444, 2447, 2449, 2466, 2469-2470, 2482, 2491, 2497, 2499, 2503, 2518, 2521-2522, 2536, 2540, 2551, 2557, 2567, 2575, 2577, 2584, 2657, 2680, 2688, 2690-2691, 2717, 2723, 2738, 2754, 2770, 2772, 2808, 2815, 2867-2868, 2882, 2887-2888, 2927, 2949, 3008, 3034, 3036, 3057, 3152-3153, 3182, 3184, 3193, 3208, 3213, 3259, 3286, 3329-3330, 3335, 3354, 3400, 3407, 3455, 3490, 3517, 3531, 3549, 3568-3569, 3575, 3596, 3629, 3641, 3667, 3707, 3719, 3749, 3759, 3777, 3785, 3820, 3835, 3884, 3892, 3940, 3947, 3975, 3981, 3983, 4002, 4007, 4011, 4046, 4049, 4062, 4065, 4183, 4201, 4216-4217, 4221, 4225, 4234, 4247, 4256, 4265, 4297

ADRENAL MEDULLA: 186, 239, 255, 335, 472, 676, 722, 726, 845, 1123, 1127, 1403, 1427, 1457, 1492, 1617, 1631, 1660, 1969, 2024, 2311, 2455, 2691, 2757, 2773, 2897, 2927, 3038, 3224, 3330, 3438, 3491, 3550, 3672, 3812, 3852, 4247

ADRENALECTOMY: 102, 174, 204, 324, 530, 656, 746, 765, 799, 913, 943, 990, 1089, 1105, 1127, 1157, 1176, 1188, 1222, 1290, 1310, 1320, 1375, 1425-1426, 1507, 1528, 1571, 1765, 1797, 1814, 1876, 2081, 2238, 2258, 2285, 2296, 2322, 2466, 2518, 2536, 2557, 2567, 2584, 2636, 2717, 2738, 2757, 2777, 2867-2868, 2998, 3136, 3145, 3168, 3184, 3193, 3208, 3259, 3406, 3455, 3558, 3596, 3719, 3759, 3777, 3812, 3872, 4152, 4165, 4174, 4201, 4253

ADRENERGIC ALPHA RECEPTOR AGONISTS: 2077, 2433, 2769, 4203

ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 686, 772, 1294, 2400, 2546, 2561, 2717, 2769, 3456, 4136

ADRENERGIC BETA RECEPTOR AGONISTS: 312, 872, 2362

ADRENERGIC BETA RECEPTOR BLOCKADERS: 686, 838, 1024, 1087, 1516, 2172, 2400, 2433, 2436, 3124, 3456, 4203

ADRENERGIC FALSE TRANSMITTERS: 676

ADRENOCHROME: 729, 1433, 1725, 2521, 2997, 3241

ADRENOGENITAL SYNDROME: 396, 420, 3639, 3934, 4143, 4254

ADRIAMYCIN: 3778

ADSORPTION: 594, 1552, 3070, 3325, 3668, 4180

ADULT: 5, 7, 10, 13, 19, 26, 33-34, 41, 45, 58, 68-71, 87, 111-112, 118, 121, 126, 128, 138-139, 145, 154-155, 163, 165, 167, 175, 185, 193, 210, 219, 221-222, 229, 231, 236, 238, 249, 254, 259, 261-262, 267, 281, 284, 290, 302, 305, 307, 328, 332, 338, 341-343, 347, 352-353, 364, 374, 383, 394, 397, 405-406, 411-412, 415-416, 424-425, 427-428, 433, 437, 440, 442, 446, 451, 455, 461, 473-475, 477, 479, 487, 490, 493, 498, 510-511, 523, 534-535, 538, 542, 545, 549-550, 554, 556-557, 559, 570, 581, 588, 590, 593, 595, 598, 609, 613-614, 624, 630, 636, 646, 648, 666, 670, 672, 677, 685, 693, 697, 699, 718, 725, 725, 734, 736, 738, 740, 749, 751, 764, 780, 783, 785, 793-794, 796, 800-801, 812, 814, 825, 834, 837, 844, 872, 875-876, 882, 884, 889, 896-897, 900, 922, 924, 929, 938, 940, 942, 956, 963-964, 969, 973, 979, 984, 988-989, 1006, 1008, 1013, 1020, 1023-1024, 1035-1036, 1038-1039, 1041, 1054, 1063, 1067, 1085, 1091-1092, 1096, 1100, 1103, 1116, 1126, 1132, 1134, 1140, 1145, 1147, 1150, 1156, 1159, 1163, 1168, 1170, 1179, 1194-1195, 1204, 1211-1212, 1215, 1224, 1230-1231, 1242, 1244, 1246, 1252-1253, 1260, 1263, 1288, 1292, 1294, 1299-1301, 1306, 1315, 1324, 1332, 1334, 1342, 1345, 1349, 1358, 1360, 1362, 1367, 1373, 1383, 1392-1394, 1402, 1406, 1411, 1417-1418, 1421, 1432-1433, 1436, 1444, 1455, 1458, 1463-1464, 1466-1467, 1486, 1497, 1520, 1522, 1533-1534, 1536-1537, 1540, 1545, 1554, 1558, 1561-1562, 1573, 1580, 1584, 1600, 1608, 1622, 1625, 1630, 1632-1634, 1637, 1642, 1652, 1667-1669, 1690, 1700, 1705, 1707, 1711, 1720, 1735, 1738, 1741, 1744, 1746-1748, 1760-1763, 1769, 1772, 1791, 1807, 1812, 1821, 1829, 1838-1839, 1860, 1863, 1865-1866, 1870, 1875, 1877, 1884, 1890-1891, 1896, 1904, 1913, 1918, 1921-1922, 1938, 1942, 1947, 1950, 1956, 1958, 1960-1961, 1968, 1974, 1976, 1978, 1983, 1985, 1990, 1994, 1997, 2001, 2010-2011, 2017, 2020-2021, 2025, 2033-2034, 2043, 2045, 2058-2060, 2076, 2082, 2084, 2094, 2096, 2100, 2102 2107, 2115, 2124, 2126, 2130, 2132, 2136, 2140-2142, 2148-2149, 2157, 2168-2169, 2181-2183, 2191, 2195, 2201-2203, 2213, 2229-2230, 2237, 2239, 2244, 2252-2253, 2262, 2264, 2266, 2272, 2278, 2284-2285, 2287, 2289-2291, 2322, 2330, 2332, 2343, 2350-2351, 2362, 2366, 2381, 2386, 2395, 2402, 2405, 2411, 2414-2416, 2427, 2435, 2437, 2440, 2445, 2453, 2457, 2463-2464, 2472-2473, 2475, 2480, 2494, 2513, 2524, 2526, 2543, 2548, 2551-2555, 2565, 2568, 2573, 2588-2589, 2594, 2596, 2599, 2601-2603, 2610-2611, 2616-2617, 2621, 2623, 2641, 2648, 2654-2655, 2667, 2672, 2675, 2679, 2686, 2688, 2693, 2695-2696, 2708-2709, 2719-2721, 2724-2725, 2727, 2729, 2740, 2742, 2753, 2756, 2758, 2775-2776, 2779, 2782, 2794-2796, 2804, 2818-2819, 2821, 2825, 2827-2828, 2830, 2833, 2839, 2843, 2847, 2856, 2863, 2871-2872, 2874, 2877, 2883, 2886-2888, 2892-2893, 2905, 2909-2911, 2914, 2926, 2936, 2939, 2943, 2950-2951, 2953, 2955, 2962, 2966, 2970, 2976-2977, 2987, 2990-2992, 3000, 3002, 3005, 3009-3010, 3023-3026, 3029, 3033, 3035, 3037, 3039, 3050, 3054, 3063, 3065, 3075, 3077, 3080, 3084, 3086, 3090, 3094-3095, 3101, 3106, 3136, 3146-3147, 3151, 3155, 3159, 3167, 3175, 3178, 3180, 3185, 3191, 3198, 3215, 3218, 3220, 3222, 3233-3236, 3245, 3252, 3272, 3276, 3283, 3291-3293, 3296, 3301, 3324, 3326, 3332-3334, 3341-3342, 3354, 3358, 3370, 3375, 3381, 3383-3384, 3392, 3394, 3403, 3406, 3413, 3415, 3421-3422, 3429, 3432, 3434-3436, 3443, 3448, 3450, 3464, 3478, 3483, 3486, 3492-3493, 3495, 3501, 3508, 3511, 3526-3527, 3537, 3553, 3555, 3558-3559, 3567, 3574, 3579-3580, 3585, 3590, 3593, 3602-3604, 3618, 3620, 3627-3628, 3634, 3639, 3644, 3647, 3649, 3656-3657, 3665, 3670-3671, 3684, 3693, 3707, 3715, 3717, 3720, 3723, 3727, 3766, 3770, 3773, 3775-3776, 3778, 3811, 3818, 3820, 3822, 3830, 3842, 3868, 3870, 3872-3873, 3877, 3881, 3905-3906, 3910, 3912, 3915, 3917, 3939, 3942, 3951-3952, 3955 3974, 3981-3983, 3987, 3993, 3998, 4032, 4035, 4039-4040, 4045, 4060, 4070, 4083, 4097, 4100, 4102, 4107, 4123-4124, 4130, 4134-4135, 4137, 4150, 4169, 4197, 4199, 4223, 4227-4230, 4242, 4252, 4260, 4262, 4274-4275, 4

AEDES: 114, 456, 907, 1428

AEROBIOSIS: 2447, 3256

AEROPHAGY: 1434

AEROSOLS: 1686, 3011, 3622

AET: 387

AFFECT: 1373, 2872, 3485, 4135

AFFECTIVE DISTURBANCES: 723, 1 2112, 3967

AFRICA: 1103, 2964

AFRICA, WESTERN: 1041

AGAMMAGLOBULINEMIA: 199, 3711

AGAR: 768, 2499, 3741

AGE DETERMINATION BY SKELET 1351, 1926, 1935, 2149, 2983, 2990, 3995

AGE FACTORS: 30, 45, 61, 111, 125, 177, 215, 231-232, 256, 261, 267, 305, 385, 397, 467, 490, 493, 502, 523, 55 609, 661, 693, 762, 764, 774, 779, 78 847, 899, 918, 955-956, 960, 962, 96 1020, 1033, 1142, 1144, 1156, 1173, 1261-1262, 1297, 1300, 1316, 1358, 13 1417, 1455, 1482, 1589, 1619, 1738, 1815, 1855, 1858, 1876, 1891, 1913, 1997, 2012, 2031, 2042, 2057, 2066, 2096, 2107, 2183, 2195, 2201, 2223, 2332, 2387, 2402, 2406, 2418-2420, 24 2487, 2494, 2621, 2625, 2676, 2764, 2776, 2779, 2827, 2851, 2856, 2893, 2923, 2933-2934, 2953-2954, 2961, 3033, 3052, 3078, 3097, 3101, 3163, 3212, 3214, 3252, 3276, 3286, 3301, 3425, 3429, 3477, 3502, 3547, 3558-3 3708, 3726, 3748, 3762, 3767, 3794, 3865, 3881, 3888, 3974, 3992, 3994, 4045, 4052, 4098, 4130-4131, 4137, 4 4280, 4288, 4273, 4286

AGED: 6-7, 26, 33-34, 41, 51, 58, 90, 146, 154, 193, 219, 231, 271, 293, 3 397, 406, 427, 450, 477, 493, 510-51 563, 636, 646, 670, 672, 693, 764, 7 800, 812, 835, 872, 876, 880, 882, 8 942, 956, 964, 987, 983, 1006, 1013, 1052, 1054, 1096, 1100, 1105, 1133, 1185, 1194-1195, 1209, 1230, 1242, 1 1296, 1300, 1315, 1332, 1334, 1341, 1430, 1444, 1497, 1517, 1536-1537, 1 1569, 1584, 1597, 1625, 1669, 1696, 1738, 1744, 1746-1747, 1753, 1762, 1 1829, 1845, 1863, 1865-1866, 1870, 1 1947, 1950, 1961, 1971, 1984-1985, 2017, 2020-2021, 2036, 2057-2058, 20 2107, 2140, 2157, 2169, 2195, 2202, 2236-2237, 2248, 2253, 2264, 2285, 2 2350-2351, 2366, 2373, 2380, 2392, 2464, 2473, 2494, 2524, 2543, 2553, 2576, 2588, 2594, 2621, 2625, 2654, 2685, 2688, 2693, 2696, 2724-2725, 2736, 2771, 2776, 2779, 2781, 2810, 2833, 2837, 2850, 2863, 2871-2872, 2 2891, 2905, 2943, 2976, 3016, 3024, 3063, 3075, 3077, 3084, 3086, 3124, 3159, 3166, 3180, 3218, 3222, 3233-3 3276, 3291-3292, 3326, 3334, 3341-33 3373, 3422, 3429, 3452, 3504, 3527, 3555, 3558, 3602, 3615, 3620, 3656, 3724, 3737, 3808, 3822, 3830, 3868, 3917, 3924, 3935, 3991, 4011, 4042, 4101-4102, 4124, 4130, 4137, 4164, 4235, 4260, 4273-4274, 4281, 4294

AGGLUTINATION: 2108, 4060

AGGLUTINATION TESTS: 1633, 191 4172

AGGLUTININS: 495, 1432, 1763, 316

AGGRESSION: 80, 178, 468-469, 531 859, 944, 976, 978, 982, 993, 1121, 2175, 2323, 2542, 2571, 2895, 2912,

LIBRARY U. OF L. URBANA-CHAMPAIGN

3433, 3444, 3484, 3518, 3556, 3641,
4161, 4288
616, 794, 897, 996, 1077, 1118, 1185,
2390, 2473, 2494, 2664, 2685,
779, 2825, 2837, 2887-2888, 2974, 2990,
3505, 3645-3646, 3667, 3763, 4037
YTOSIS: 464, 1432, 2976
08
R: 860
TION: 2853
ION: 1074, 3007, 3033
STRUCTION: 1038, 2839, 3427, 3594,

SISTANCE: 3911
093
9, 975, 1723, 1804, 2317, 2559, 3295,
4052, 4167
MINOTRANSFERASE: 509, 1440, 1698,
2586, 2668, 3374, 3466, 4128, 4268
287, 3203, 3833
119, 1216, 1999, 2946, 3029, 3546,

RINKING: 27, 65, 509, 1251, 2703,
4268
THYL: 27, 65, 102, 183, 784, 1033,
1080, 1251, 1259, 1356, 1588, 1793,
2046, 2101, 2288, 2535, 2672, 2703,
3168, 3332, 3335-3336, 3524, 3637,
3707, 3880, 3932, 4071, 4113
ETHYL: 594, 2535, 2619, 2634
XIDOREDUCTASES: 351, 1180, 2188,
3640, 3148
ROPYL: 2215, 3976
INTOXICATION: 2672, 2902
1 27 784, 1033, 1985, 2459, 2703,
3620, 3707
578, 1081, 2365, 3276
BUTYL: 2426
OXIDOREDUCTASES: 2614, 3880
: 606, 990, 1081, 1302, 1691, 3074,

72, 1172, 2245, 2586, 2872
NE: 86, 91, 262, 287, 411, 421, 430,
4, 734, 745, 829-830, 865, 874, 911,
094, 1126, 1142, 1218, 1230, 1387,
1534, 1797, 1804, 1825, 1980, 1996,
2394, 2396, 2447, 2584, 2643, 2680,
3065, 3155, 3193, 3342, 3406, 3492,
3672, 3884, 3906, 3916, 3928, 3939,
4096, 4174, 4204, 4273
NDROME: 199, 2483, 3711

EN: 1372, 2300
3963
333
PHOSPHATASE: 189, 357, 545, 549,
6, 727, 805, 929, 1143, 1288, 1585,
1816, 1911, 2027, 2076, 2093, 2146,
2369, 2371, 2393, 2411, 2438, 2543,
2973, 3086, 3116, 3246, 3296, 3328,
3401, 3500, 3504, 3587, 3592,
659, 3741, 3784, 3788, 3805, 3887,
4167, 4188, 4284, 4288
301, 478, 676, 701, 1048, 1654, 1915,
3907, 3920, 4277
233, 2342, 2461, 3284
88, 2619, 2649-2650
FOSATES: 492
G AGENTS: 701, 2490, 2785, 3854,

N: 72, 1335, 1541, 1544, 2545, 3161,

74, 1944, 2040, 2188, 2360, 3152, 4132
TEST: 2360
802, 1862
OL: 2805
C REGULATION: 351, 1951, 2807
4050
DIABETES: 476, 746, 1785, 2085, 2361,

80
IPOUNDS: 864, 1095, 2472, 3963
848, 2041, 2067, 2778, 4048, 4231, 4270
AREATA: 2551, 3664, 3969
BULIN: 437, 1025, 1329-1330, 1344,
1512, 1828, 3193, 3314, 3480-3481,
4041, 4216
TTHM: 1418, 2158
L: 2172
1375, 2495, 4128

ALUMINUM: 737, 1377, 1750, 2103, 2868, 3369, 3377, 3625
ALUMINUM HYDROXIDE GEL: 1854
ALVEOLAR PROCESS: 1385, 1473, 3041, 3747
AMANTADINE: 29, 1557, 2074, 4012
AMAUROTIC FAMILIAL IDIOCY: 3982
AMBENONIUM CHLORIDE: 2102
AMBLYOPIA: 563
AMBULATORY CARE: 2832
AMBYSTOMA: 1514, 2174, 2807
AMELOBLASTOMA: 1955
AMELOBLASTS: 1473
AMENORRHEA: 405, 715, 725, 1067, 1122, 1162, 1168, 1292, 1309, 1406, 1481, 1839, 1921-1922, 2181, 2596, 2599, 2856, 2936, 2970, 3023, 3392, 3435, 3657, 3718, 3775, 3827, 3897, 3951, 4227
AMERICIUM: 679, 962
AMIDES: 276, 2296, 2867, 3239, 3712, 3849, 4109, 4295
AMIDINES: 1544, 2271, 2965
AMIDOHYDROLASES: 1280
AMILORIDE: 287
AMINATION: 134
AMINES: 13, 294, 299, 478, 577, 993, 1178, 1595, 1991, 2048, 2080, 2215, 2677, 3456, 3524, 3819, 3959, 4197
AMINO ACID ACTIVATION: 186, 520, 1037, 1650, 2400
AMINO ACID METABOLISM, INBORN ERRORS: 398, 444, 1482, 2282, 3254
AMINO ACID SEQUENCE: 23, 72, 109, 345, 480, 517, 596, 664, 1031, 1040, 1173, 1544, 1723, 1898-1899, 1908, 1931, 2110, 2251, 2627, 2870, 2884, 3072, 3239, 3248, 3348-3349, 3540, 3740, 3780, 4122, 4192
AMINO ACIDS: 23, 179, 371, 472, 520, 596, 605, 664, 713, 795, 813, 923, 958-959, 975, 1031, 1033, 1040, 1057, 1112, 1123, 1265, 1452, 1544, 1568, 1574, 1641, 1685, 1737, 1813, 1908, 1930, 1977, 1981, 2110, 2251, 2317, 2400, 2452, 2454, 2526, 2559, 2586-2587, 2802, 2845, 2996, 3239, 3248, 3257, 3262, 3276, 3348-3349, 3390, 3430, 3533, 3540, 3636, 3643, 3738, 3740, 3780, 3847, 3990, 4052, 4167, 4197
AMINO ACYL T RNA SYNTHETASES: 3752
AMINO ALCOHOLS: 1024, 1359, 3124, 4203
AMINO SUGARS: 2989
AMINOACID OXIDOREDUCTASES: 3100
AMINOACIDURIA, RENAL: 3254
AMINOBENZOIC ACID: 1789
AMINOBUTYRIC ACID: 179, 200, 426, 525, 1112, 1125, 2735, 3017, 3204, 3230, 3244, 3451, 3524, 3533
AMINOCAPROIC ACID: 1594, 2780, 4214
AMINOGLUTETHIMIDE: 454, 505, 661, 716, 1378, 3131, 4096
AMINOHIPPURIC ACID: 736, 812, 1388, 3472
AMINOHYDROLASES: 1946, 3460
AMINOISOBUTYRIC ACID: 443, 1476
AMINOPEPTIDASES: 1544, 1931, 2785
AMINOPHYLLINE: 498, 872, 1199, 1403, 1510, 1521, 2032, 3529, 3907, 4219
AMINOPROPIONITRILE: 1498, 3067, 4162
AMINOPYRINE: 2096, 2142, 3274-3275
AMINOPYRINE N-DEMETHYLASE: 492, 3274-3275
AMINOSALICYLIC ACID: 185, 1789, 4051
AMINOTRANSFERASES: 13, 1479, 1698, 2245, 2391
AMITRIPTYLINE: 1242, 3362
AMMONIA: 93, 1615, 3100, 3849, 3868, 4055
AMMONIA-LYASES: 3100
AMMONIUM CHLORIDE: 219, 2069, 2101, 2471, 4055, 4125
AMMONIUM COMPOUNDS: 522, 1368, 2430, 2619, 2940, 3703, 4104
AMMONIUM SULFATE: 197, 546, 568, 642, 858, 3170, 3287, 3549
AMNESIA: 1245
AMNIOCENTESIS: 1323, 1641, 1652, 2274, 2370, 2675, 3090, 3134, 3245, 3258, 3310
AMNION: 573, 1203, 1206, 2162, 2626
AMNIOSCOPY: 3134
AMNIOTIC FLUID: 123, 446, 521, 613, 691, 734, 873, 952, 1459, 1641, 1652, 1806, 1882, 2274, 2316, 2370, 2652, 2675, 2708, 2800, 3134, 3258, 3310, 3395, 3593, 3728
AMOBARBITAL: 680, 4014
AMOEBA: 641
AMPHETAMINE: 376, 742, 916, 951, 1078, 1165, 1634, 1699, 1779, 1832, 2030, 2420, 3327, 3456, 3630, 4012, 4146
AMPHIBIA: 288, 2206, 2254, 2424, 2799, 3389, 4082
AMPHOTERICIN B: 2795
AMPICILLIN: 1057, 1732, 2356, 3882
AMPUTATION: 1353, 2285
AMPUTATION STUMPS: 1353
AMYGDALOID BODY: 175, 378, 442, 529, 778, 978, 1004, 1128, 1165, 1245, 1305, 1550-1551, 1613, 1819, 1906, 2121, 2221, 2737, 2895, 2919, 2982, 3103, 3129, 3257, 3263-3264, 3484, 3591, 3817, 3962, 4108, 4288
AMYLASE: 651, 805, 1944, 3676
AMYLOID: 1332
AMYLOIDOSIS: 1776, 2552, 2739, 3900
ANABOLIC STEROIDS: 185, 464, 710, 1543, 1777, 1790, 2678, 2869, 3503, 3934, 4143
ANAEROBIOSIS: 668-669, 828, 1689, 2447, 3256, 4165
ANALEPTICS: 478, 3496, 3524, 4012
ANALGESIA: 2121, 3889, 4212
ANALGESICS AND ANTIPYRETICS: 135, 404, 1018, 1243, 1407, 2458, 2465, 2490, 2653, 2722, 2918, 3034
ANALOG-DIGITAL CONVERSION: 730, 1098
ANALYSIS OF VARIANCE: 121, 171, 671, 858, 1005, 1233, 1391, 1767, 2022, 2133, 2325, 2910, 3265, 3631, 3710, 3810
ANAPHYLAXIS: 1087, 1862, 2881, 3000, 4242
ANATOMY, COMPARATIVE: 2849, 2990, 3550
ANDROGENS: 162, 198, 432, 458-459, 464, 475, 607, 706, 842, 948, 1033, 1105, 1116, 1166, 1216, 1329-1330, 1360, 1390, 1493, 1517, 1543, 1777, 1959, 2182, 2323, 2359, 2382, 2513, 2568, 2594, 2609, 2724-2725, 2767, 2825, 2891, 2915, 2956, 2970, 2982, 3056, 3116, 3129, 3136, 3314, 3393, 3470, 3503, 3510, 3602, 3656, 3736, 3760, 3801, 3865, 3934, 4000, 4094, 4130, 4143, 4162, 4187, 4207, 4217, 4231
ANDROSTANES: 246, 447, 479, 498, 505-506, 794, 910, 996, 1180, 1183, 1276, 1304, 1310, 1362, 1390, 1521, 1553, 1939, 2323, 2430-2431, 2474, 2484, 2565, 2619, 2624, 2840, 2869, 2924, 3331, 3754, 3865-3866, 4000, 4004, 4017
ANDROSTENEDIONE: 432, 794, 797, 910, 996, 1116, 1271, 1390, 1517, 1646, 2227, 2279, 2323, 2609, 2891, 3056, 3282, 3736, 4000, 4004, 4062, 4094
ANDROSTENES: 432, 474, 803, 858, 996, 1117, 1216, 1304, 1311, 1390, 2382, 2446, 2982, 3331, 3754, 3866, 3882, 4000, 4004, 4062
ANDROSTERONE: 363, 698, 812, 910, 948, 1216, 1390, 2474, 2619, 3030, 3056, 3147, 3282, 3331, 3670, 3865, 4000-4001
ANEMIA: 417, 700, 1166, 1743, 3638, 3900, 4263, 4265, 4281
ANEMIA, APLASTIC: 1329-1330, 1777, 2214, 2543, 2874, 3503, 4130
ANEMIA, HEMOLYTIC: 1576, 3503, 4264
ANEMIA, HEMOLYTIC, ACQUIRED: 477, 3454
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 238, 613, 1522, 1829, 4142
ANEMIA, HEMOLYTIC, CONGENITAL: 1111
ANEMIA, HYPOCHROMIC: 3858
ANEMIA, MACROCYTIC: 513, 1600, 3674
ANEMIA, PERNICIOUS: 281, 1600, 2358, 2960
ANEMIA, SICKLE CELL: 1155, 4262
ANEMIA, SIDEROBLASTIC: 513, 1763
ANENCEPHALUS: 521, 973, 1519, 4277
ANESTHESIA: 680, 1743, 1905, 2177, 2431, 2458, 3019, 3961, 3975
ANESTHESIA ADJUVANTS: 1362
ANESTHESIA, CONDUCTION: 3749
ANESTHESIA, EPIDURAL: 523, 895, 1743, 3749
ANESTHESIA, GENERAL: 406, 419, 552, 987, 1743, 1805, 3269, 2726, 2961, 3830, 4014, 4292-4294
ANESTHESIA, INHALATION: 414, 552, 1817, 2450, 2458, 2808, 2924, 2994, 3280, 3704, 3892
ANESTHESIA, INTRATRACHEAL: 3749, 4223
ANESTHESIA, INTRAVENOUS: 419, 552, 1456, 1474, 1870, 2458, 3917
ANESTHESIA, LOCAL: 1743, 2044, 2121, 4149
ANESTHESIA, OBSTETRICAL: 935, 2450, 3395
ANESTHESIA, SPINAL: 552, 1743, 3749
ANESTHESIOLOGY: 1743
ANESTHETICS: 129, 504, 552, 935, 987, 1099, 1456, 1540, 1731, 1905, 2458, 2628, 2726, 2917, 3383, 3395, 3830, 3917, 4272
ANESTHETICS, LOCAL: 1325, 1536, 2145, 2400, 3496, 3749, 4118, 4283

ANEUPLOIDY: 1145, 1306, 2001, 2023, 3009, 3060, 3494
ANEURYSM: 1658, 1769
ANGER: 525, 1165, 3267
ANGINA PECTORIS: 1947, 2172, 2642, 2988, 3124
ANGIOCARDIOGRAPHY: 1545, 2190
ANGIOGRAPHY: 427, 490, 580, 928, 1065, 1140, 1190, 1294, 1540, 1658, 2071, 2616, 3296, 3305-3306
ANGIOKERATOMA CORPORIS DIFFUSUM: 428
ANGIOMA, SCLEROSING: 2189
ANGIOMATOSIS: 880
ANGIONEUROTIC EDEMA: 2281
ANGIOSARCOMA: 3725
ANGIOTENSIN: 86, 126, 156-157, 201, 230, 262, 380, 588, 738, 888, 1073, 1141, 1175, 1387, 1426, 1507, 1598, 1721, 1726, 1804, 2024, 2061, 2099, 2178, 2255, 2310, 2337, 2719, 2748, 2758, 2787, 2799, 3193, 3259, 3330, 3358, 3534, 3611, 3680, 3751, 3839, 3907, 3928, 3939, 3971, 4027, 4202, 4204, 4210
ANGIOTENSIN AMIDE: 1344, 1507, 3193, 3737
ANGIOTENSINASE: 156, 1109
ANGUILLA: 2216
ANHYDRIDES: 556
ANILIDES: 770, 2812, 3116
ANILINE COMPOUNDS: 1647, 1661, 3006, 3759, 3926, 4267
ANIMAL EXPERIMENTS: 8-9, 12, 14-15, 17-18, 20, 22-23, 25, 27-32, 35-38, 40, 43, 46, 49, 52-54, 56-57, 59, 61, 64-65, 67, 72, 76, 78-82, 88, 91, 95, 97-100, 102, 104, 107-110, 113-117, 119-120, 122, 124-125, 127, 130-131, 136, 143, 147, 149-153, 156, 160-162, 164, 166, 168-170, 172-174, 177-178, 180-183, 186-188, 190, 192, 194-198, 201-207, 212-214, 216, 223-228, 230, 237, 239, 242-244, 247, 250-253, 255-256, 258-260, 263-264, 268, 270, 278-280, 282-283, 286-288, 291-292, 294, 296, 298, 301, 304, 309, 311-315, 318, 320-322, 324-327, 329-330, 333-335, 340-341, 344, 346, 348-350, 355, 357-358, 360, 362-363, 365, 367-368, 372, 375-380, 385-388, 390, 393, 395, 400-401, 404, 407-408, 410, 414, 419, 421-422, 426, 429, 431, 439, 443-445, 449, 456, 463, 466-469, 471-472, 476, 478, 481-482, 491, 495-497, 504-509, 517-520, 522, 525, 528-532, 536-537, 539, 541, 543-544, 551, 553, 558, 562-569, 571-573, 575-576, 578-579, 582, 584-587, 589, 591, 596-597, 602-608, 610, 615-617, 620-623, 625, 627-629, 632-633, 635, 637, 639-644, 647, 649-651, 656, 658-662, 665-666, 669, 671, 675-676, 679-684, 686, 692, 694, 696, 698, 702, 706, 708, 710-712, 722, 726-727, 729-732, 735, 737, 741-743, 745-746, 750, 753, 755, 758-762, 765, 770-772, 774-780, 782, 784-787, 790-791, 795, 797-799, 802, 804, 806-807, 809-810, 815-817, 820-822, 825, 827, 829-832, 838-839, 845, 848-849, 852, 855-857, 859-865, 867-871, 877, 881, 883, 885-888, 890, 892, 894, 897-899, 901-902, 905-908, 910-920, 924-926, 932-934, 943-945, 947-951, 953-955, 958, 960-962, 965, 971-972, 976-978, 982, 987-988, 990-993, 995-996, 998-999, 1001, 1005, 1007, 1009, 1014-1018, 1022, 1027, 1031-1033, 1037, 1043, 1050, 1054, 1059-1062, 1066, 1069-1073, 1078, 1083, 1087, 1089-1090, 1093-1095, 1097, 1099, 1108, 1110-1111, 1113-1115, 1117, 1119-1121, 1123-1125, 1127-1128, 1130-1131, 1137-1138, 1144, 1146, 1151-1153, 1157-1158, 1160, 1164-1167, 1169, 1173, 1176-1178, 1180-1182, 1185, 1187-1188, 1190-1191, 1193 1196-1199, 1201, 1205, 1208, 1210, 1213-1214, 1218-1223, 1225-1226, 1232, 1234-1235, 1238, 1240, 1243, 1245, 1251, 1255-1259, 1264, 1267-1268, 1271-1274, 1277, 1281-1283, 1285-1287, 1290, 1295, 1297, 1302-1303, 1305, 1307, 1310-1312, 1318, 1322, 1325-1327, 1329-1331, 1335-1337, 1339, 1342-1344, 1348, 1352-1354, 1356-1357, 1361, 1363, 1365-1366, 1368-1369, 1371, 1374-1376, 1381, 1387-1391, 1396, 1398, 1400, 1403, 1405, 1408-1410, 1412-1413, 1415-1416, 1419-1420, 1422, 1425-1428, 1437, 1439, 1442-1443, 1446-1452, 1457, 1468-1469, 1473-1474, 1476-1478, 1480, 1483-1485, 1489, 1492-1495, 1498-1501, 1505-1507, 1509, 1512, 1514, 1518, 1524-1525, 1527-1531, 1539, 1541, 1546, 1549-1553, 1556, 1559, 1564, 1566, 1571, 1574-1576, 1582-1583, 1587-1589, 1592-1596, 1598-1599, 1601-1603, 1607, 1609, 1611, 1613-1615, 1617-1618, 1623-1624, 1626-1627, 1629, 1635, 1638-1640, 1644, 1646-1648, 1651, 1653-1657, 1660, 1662, 1664-1666, 1672-1673, 1675-1678, 1681-1682, 1684, 1688, 1692-1693, 1695, 1698-1699, 1701-1702, 1704, 1706, 1708, 1711-1712, 1715-1716, 1718, 1721-1722, 1724-1726, 1729-1731, 1733, 1736-1737, 1742, 1749, 1751-1752, 1755, 1757, 1764-1767, 1770, 1773-1774, 1778-1779, 1783-1784, 1793, 1795-1800, 1802, 1804-1805, 1808-1809, 1811, 1814, 1817, 1819, 1823, 1826-1828, 1831-1832, 1834, 1840-1844, 1847-1848, 1850-1853, 1855, 1857, 1861, 1864, 1867, 1869, 1871-1874, 1876, 1879-1880, 1885-1888, 1892-1895, 1897, 1901, 1906-1910, 1912, 1914-1917, 1919, 1923, 1925, 1927-1928, 1933-1934, 1936, 1939, 1941, 1943-1946, 1949, 1951, 1954-1955, 1963, 1966-1967, 1969-1970, 1972, 1975, 1977, 1986-1987, 1991-1993, 1995-1996, 1999-2000, 2005, 2008, 2012-2016, 2018-2019, 2023-2024, 2026, 2029-2032, 2038-2040, 2046-2049, 2051-2052, 2055-2056, 2061, 2063-2065, 2067-2070, 2075, 2077-2081, 2085-2086, 2089-2090, 2092-2093, 2097-2098, 2103, 2105-2106, 2111, 2114, 2116-2117, 2119-2120, 2131, 2133, 2137, 2139, 2143-2145, 2147, 2152-2156, 2158-2159, 2161, 2163, 2165 2166-2167, 2169-2170, 2173-2175, 2177, 2179, 2184, 2187-2188, 2190, 2193-2194, 2196-2199, 2206-2207, 2210-2211, 2215-2221, 2223-2228, 2231-2233, 2236, 2238, 2240, 2242-2243, 2245, 2250, 2254-2261, 2263, 2265, 2268-2271, 2273, 2276-2277, 2280, 2286, 2293-2294, 2296, 2298-2300, 2302-2305, 2307-2308, 2311-2314, 2316-2319, 2321, 2323-2326, 2328, 2331, 2339, 2341, 2344, 2353-2355, 2357, 2359, 2361, 2363, 2365, 2367-2368, 2371-2372, 2376-2377, 2379, 2387-2388, 2390, 2394-2395, 2397, 2400, 2403-2404, 2407-2408, 2410, 2413, 2418-2425, 2428, 2430-2433, 2436-2437, 2439, 2442, 2447-2449, 2451-2452, 2454-2456, 2458, 2461, 2466-2467, 2469-2470, 2474, 2477-2478, 2487-2489, 2491, 2493, 2495-2503, 2506, 2509-2510, 2515, 2517-2519, 2521-2522, 2525, 2527, 2530, 2533, 2535-2542, 2546-2547, 2549-2550, 2554, 2556-2560, 2562, 2566-2567, 2569-2571, 2577, 2581, 2584, 2586-2587, 2591-2593, 2598, 2601, 2604-2607, 2609, 2612-2614, 2620, 2622, 2624, 2632-2639, 2643-2644, 2646-2647, 2656-2662, 2664, 2666, 2669-2670, 2676-2677, 2680-2681, 2687, 2689-2691, 2696-2698, 2700, 2702-2707, 2710-2714, 2716-2718, 2722-2723, 2728, 2730-2735, 2738, 2743, 2746-2748, 2750-2751, 2754, 2757, 2759, 2766-2770, 2772, 2778, 2783-2784, 2786, 2789-2793, 2797-2800, 2803, 2806-2808, 2813, 2815-2817, 2824, 2826, 2829, 2831, 2834-2835, 2838, 2840-2841, 2844-2845, 2848-2849, 2852-2854, 2857, 2860, 2864-2871, 2873, 2875-2876, 2879-2880, 2882, 2884-2885, 2889-2891, 2894-2896, 2898-2900, 2904, 2906-2908, 2910, 2912-2913, 2916, 2919-2920, 2922-2923, 2927-2930, 2932-2933, 2936-2937, 2941-2942, 2944, 2946-2949, 2952, 2954, 2956-2959, 2963, 2965, 2968-2969, 2972, 2974, 2979-2982, 2985, 2993, 2995-2999, 3003, 3007-3008, 3011, 3017-3020, 3022, 3029-3030, 3034, 3036, 3038, 3040-3047, 3051-3052, 3058, 3062, 3066-3068, 3072-3076, 3079, 3082-3083, 3085, 3088, 3092-3093, 3095, 3102-3103, 3105-3106, 3108-3109, 3111, 3113-3117, 3121, 3125, 3128-3130, 3133, 3135, 3137, 3139-3141, 3143, 3145, 3148 3149-3153, 3157, 3160-3162, 3165, 3167-3168, 3170-3174, 3176-3177, 3179, 3181-3182, 3184, 3190, 3192-3195, 3198-3199, 3202-3206, 3208-3210, 3216-3217, 3221, 3226, 3228-3230, 3232, 3235, 3237, 3239-3240, 3243-3244, 3247-3248, 3251, 3257, 3259-3261, 3263-3264, 3266-3272, 3274-3275, 3277-3278, 3280, 3285-3290, 3294-3295, 3297-3298, 3300, 3302, 3304, 3309, 3311, 3313-3315, 3317, 3320-3323, 3325, 3327-3330, 3332, 3335-3339, 3350-3351, 3353, 3356, 3361-3363, 3365, 3367-3368, 3371-3372, 3374, 3376-3377, 3379, 3389-3393, 3396-3398, 3400-3401, 3405, 3407-3412, 3414, 3416-3417, 3422, 3424, 3429, 3431, 3433, 3438-3440, 3453, 3455-3457, 3460-3462, 3466-3468, 3470, 3473, 3475, 3480-3482, 3484, 3487, 3489-3491, 3496, 3502-3503, 3505, 3509, 3512-3513, 3515-3518, 3522, 3524-3525, 3530, 3532-3535, 3541-3544, 3548-3552, 3556, 3560-3562, 3565-3566, 3568-3570, 3572-3573, 3575, 3577-3578, 3582, 3586, 3588, 3591-3592, 3596-3597, 3600-3601, 3606-3611, 3613-3614, 3617, 3621, 3623, 3630, 3633, 3635-3637, 3641-3643, 3645-3646, 3648, 3652-3655, 3661-3663, 3667-3669, 3672, 3676-3677, 3683, 3689-3690, 3695-3696, 3699-3700, 3702, 3710, 3712, 3716, 3719, 3722, 3729, 3731-3735, 3737, 3739-3740, 3744-3748, 3750-3752, 3754-3756, 3758-3760, 3763, 3767, 3771-3772, 3774, 3777, 3779, 3784, 3786-3789, 3794, 3801, 3803-3804, 3806, 3809-3810, 3812-3815, 3817, 3819, 3821, 3823-3824, 3826, 3829, 3833-3835, 3837-3839, 3841, 3844, 3847-3850, 3852, 3855, 3859-3862, 3864, 3867, 3871, 3875, 3880, 3884-3885, 3887, 3889-3891, 3896, 3901-3902, 3907-3908, 3914, 3916, 3919, 3925, 3931, 3934, 3936-3937, 3943-3945, 3947-3950, 3954, 3957-3962, 3968, 3970, 3972-3973, 3975-3976, 3985-3994, 3996, 3999-4003, 4006-4009, 4012, 4020-4024, 4028-4031, 4033-4034, 4036-4043-4044, 4049-4050, 4052, 4057-4059, 4065-4066, 4068-4069, 4071, 4073, 4076-4081-4082, 4084-4085, 4090, 4092-4095, 4108-4113, 4117-4118, 4120 4122, 4125-4126, 4128-4129, 4132, 4136, 4148-4149, 4151-4152, 4156-4157, 4162, 4170, 4172, 4174, 4176-4177, 4181-4183, 4189, 4191-4192, 4195-4196, 4201-4204, 4212-4213, 4215-4216, 4219, 4221-4222, 4234, 4236-4240, 4243, 4246-4247, 4251, 4258, 4266, 4277-4279, 4284, 4295-4297
ANIMAL FEED: 37, 188, 216, 431, 905, 907, 1327, 1409, 1639, 2243, 2363, 2418, 2702, 2954, 3260, 3313, 3608, 3689, 3764, 4081
ANIMAL NUTRITION: 52, 57, 61, 82, 509, 605, 727, 905, 926, 1071, 1210, 1400, 1662, 1676, 1809, 1917, 2193, 2829, 2844, 2981, 3182, 3264, 3290, 3546-3547, 3767
ANIMALS, DOMESTIC: 1708, 1792
ANIMALS, LABORATORY: 2354
ANIMALS, NEWBORN: 52, 80, 100, 303, 326, 431, 661, 698, 711, 742, 911, 955, 958, 995-996, 1016, 1070, 1256-1258, 1297, 1311, 1391, 1525, 1624, 1729, 1766, 2012, 2016, 2070, 2542, 2707, 2773, 2933, 3006, 3111, 3295, 3379, 3395, 3416, 3490, 3517, 3767, 3919, 3936, 3949, 3954, 4043,
ANIMALS, ZOO: 3285
ANISOLES: 1259
ANKLE: 2239
ANKLE JOINT: 257, 1414, 2098
ANKYLOSIS: 1350
ANOPHELES: 1428
ANOPHTHALMOS: 207
ANOREXIA NERVOSA: 1162
ANOSMIA: 649, 3943
ANOXEMIA: 2159, 2908, 3800, 4011
ANOXIA: 18, 43, 1344, 1375, 1423, 2030, 2073, 2156, 2495, 4007, 4138
ANTACIDS: 1854
ANTERIOR CHAMBER: 1296
ANTHELMINTICS: 1679, 3496
ANTHRANILIC ACID: 812, 2299, 3276
ANTHRAQUINONES: 2797
ANTHROPOLOGY, CULTURAL: 3055
ANTHROPOMETRY: 71, 1091, 2392, 3576
ANTI-ANTIBODIES: 436, 922, 1439,
ANTI-AUSTRALIA ANTIGEN: 1982
ANTIBIOSIS: 1665
ANTIBIOTICS: 34, 93, 135, 142, 165, 592, 634, 802, 872, 1057, 1239, 1537, 2481, 2646, 2861, 2918, 3033, 3345, 3561, 3628, 3743, 3796, 3926, 4242
ANTIBIOTICS, ANTIFUNGAL: 2356
ANTIBIOTICS, ANTINEOPLASTIC: 2862, 3400
ANTIBODIES: 66, 238, 436, 460, 546, 1187, 1311, 1313, 1453, 1558, 1590, 1843, 1925, 2136, 2214, 2349, 2381, 2885, 2976, 3032, 3043, 3122, 3143, 3202, 3282, 3325, 3392, 3438, 3544, 3998, 4074, 4239
ANTIBODIES, BACTERIAL: 173, 4172
ANTIBODIES, HETEROTYPIC: 109,
ANTIBODIES, NEOPLASM: 2674, 4000
ANTIBODIES, VIRAL: 1657, 2681, 27
ANTIBODY FORMATION: 54, 109, 382, 495, 661, 776, 1297, 1439, 1678, 2881, 3143, 3325, 3438, 3529, 3687, 3871, 4234, 4239
ANTIBODY PRODUCING CELLS: 8, 1718, 2515, 3719, 4234
ANTIBODY SPECIFICITY: 156, 382, 2884, 3871, 3922, 4175, 4189
ANTICHOLESTEREMIC AGENTS: 30 2929
ANTICOAGULANTS: 3863
ANTICONVULSANTS: 93, 1018, 1305, 2309, 2918, 3398, 3458, 3496, 3524, 4283

LIBRARY U. OF L. URBANA-CHAMPAIGN

IVE AGENTS: 135, 945, 1096, 1325, 196, 3524, 4283
S: 809, 1018, 1188, 3201, 3407
161
1306
LYTIC AGENTS: 2780, 4214
AGENTS: 4277
BODY COMPLEX: 548, 579, 2352, 259
BODY REACTIONS: 8, 59, 103, 494, 923, 1062, 1431, 1552, 1579, 312, 2395, 3463, 3871, 3923, 4021, 184
ETERMINANTS: 292, 923, 1558, 332, 3046, 3352, 3871, 4060
30, 47, 94, 171, 285, 381, 495, 597, 1070, 1087, 1346, 1415, 1552, 1558, 978, 2122, 2381, 2738, 3046, 3143, 404, 3437, 3544, 3549, 3745, 3795, 922, 4060, 4165, 4180, 4231, 4234,
ACTERIAL: 303, 495, 1439, 2341,
COPLASM: 39, 47, 292, 303, 768, M. 2108, 2334, 2485, 2674, 3396,
RAL: 1704, 3271
NICS: 311, 579, 770, 1181, 1325, 161
INSIVE AGENTS: 126, 1743, 1826, 907
VE AGENTS: 1018, 1047, 1679
VE AGENTS, LOCAL: 3164, 3188
MATORY AGENTS: 164, 404, 770, 907, 1679, 1692, 1861, 2296, 2299, 943, 2946, 3006, 3034, 3620, 3654
MATORY AGENTS, TOPICAL: 407, 945
CYTE SERUM: 254, 436, 460, 1070, 943, 3842, 3944, 4005
ALS: 3490, 3619, 3998, 4235
LITES: 118, 686, 1062, 2733
96, 2577
TIC AGENTS: 50, 187, 373, 464, 1018, 1316, 1378, 1581, 1679, 2280, 330, 2832, 2847, 2862, 3110, 3219, 373, 4133
R FACTORS: 293, 436, 673, 1439, 902, 3122, 4041, 4235
S: 631, 3063, 4177
ON DRUGS: 135, 2918
AL AGENTS: 2271
410, 492, 3472
N: 1642-1643
1967
JLAR AGENTS: 245, 473, 2322, 3915
2806
GENTS: 1206, 1537, 2074
FORATE: 207
, 1273, 1679, 2623, 2775, 2955, 3035,
E, 891, 730, 855, 1316, 1469, 3153
MINAL: 913, 1140, 1627, 1684, 2758,
LACIC: 164, 1684, 2144, 2190
RYSM: 2172
ASES: 176, 1705, 3642
E: 963, 3172
E INSUFFICIENCY: 963
E STENOSIS: 963, 1041
ARY BYPASS: 1174, 4262
Y: 317, 2599, 2758
E: 354, 441, 935, 969, 2450, 2460, 730, 4200
7
E: 742, 903, 3484, 4012, 4068
: 1645, 3413, 3476, 3858
MY: 2356, 3326
: 2356, 3326, 3421
1
6, 961, 1642, 2569, 3485
PRESSANTS: 376, 1779, 2311, 2918,
SORDERS: 134, 630, 765, 1070, 1123, 894, 3974
GULATION: 134, 160, 1917, 2210, 221, 2363, 3300, 3327
BEHAVIOR: 993, 2478, 2556
APT: 387
AQUEOUS HUMOR: 333, 3044, 4112
ARABINOSE: 999
ARACHIDONIC ACID: 1469, 2153, 2299, 3044, 4044, 4248
ARACHNID VECTORS: 3487
ARACHNODACTYLY: 3698
ARACHNOID: 1762
ARACHNOIDITIS: 2753
ARECOLINE: 2081
ARGENTINA: 4064
ARGININE: 636, 756, 888, 900, 963, 1000, 1035, 1137, 1176, 1200, 1275, 1607, 1994, 2150, 2291, 2303, 2559, 2948, 3154, 3295, 3450, 3740, 4183
ARGON: 939, 2906
ARM: 1621, 1837, 1950, 2290, 2415, 3956
ARM INJURIES: 2943
ARMENIA: 2513
AROUSAL: 178, 322, 375, 933, 1121, 1682, 2158, 2240, 2895, 3176, 3940, 4092, 4148
ARRHENOBLASTOMA: 598, 4207
ARRHYTHMIA: 90, 225, 435, 2172, 2190, 2642, 2741, 2966, 3310
ARSENIC: 1082
ARSENICALS: 154
ART: 3055
ARTERIAL OCCLUSIVE DISEASES: 338, 1540, 1658, 1815, 2009, 2285, 2463, 2695, 2843, 3305
ARTERIES: 126, 320, 888, 1182, 1218, 1286, 1303, 1307, 1369, 1491, 1540, 1684, 2081, 2321, 2637, 2890, 2924, 3063, 3493, 4011
ARTERIOSCLEROSIS: 164, 300, 786, 826, 1020, 1140, 1174, 1178, 1238, 2144, 2685, 2988, 3476, 3885, 4115, 4162, 4233
ARTERIOSCLEROSIS OBLITERANS: 1947, 2285
ARTERIOVENOUS ANASTOMOSIS: 168
ARTERIOVENOUS FISTULA: 880, 1367, 2189, 2616, 3293, 3595, 3642
ARTERIOVENOUS MALFORMATIONS: 2189
ARTERITIS: 483, 700, 1815, 2082, 3863
ARTHRITIS: 579, 1172, 2330, 2661, 2917, 3115, 3298, 3989, 4065, 4258
ARTHRITIS, INFECTIOUS: 1558, 2679, 3334
ARTHRITIS, JUVENILE RHEUMATOID: 392, 2082
ARTHRITIS, RHEUMATOID: 293, 398, 527, 938, 1133, 1200, 1229, 1350, 1407, 1558, 1964, 2490, 2654, 2679, 3373, 3620, 3773, 3808, 4142, 4241
ARTHRODESIS: 2653
ARTHROPOD VECTORS: 3487
ARTHUS PHENOMENON: 579, 3427
ARTIFICIAL LIMBS: 3663
ARTIFICIAL ORGANS: 1319
ARTIODACTYLA: 1303, 4110
ASCARIS: 3786-3787
ASCITES: 1217, 1716, 2625, 3642
ASCITIC FLUID: 666, 708, 832, 1282, 2345, 3040, 3043, 3836
ASCOMYCETES: 3345
ASCORBIC ACID: 325, 333, 444, 711, 899, 943, 1250, 1318, 1343, 1626, 1688, 1860, 2383, 2710, 2793, 2823, 3044, 3083, 3313, 3517, 3575, 4177, 4293, 4297
ASPARAGINASE: 2832, 3110
ASPARAGINE: 3390, 3533
ASPARTATE AMINOTRANSFERASE: 93, 189, 460, 509, 892, 1172, 1440, 1698, 1946, 2076, 2345, 2438, 2543, 2586, 3232, 3374, 3466, 3833, 4128, 4268
ASPARTIC ACID: 2559, 3533
ASPERGILLOSIS: 1506, 2283, 3427, 3473
ASPERGILLUS: 1506, 1981, 2940
ASPERGILLUS FUMIGATUS: 3473
ASPERGILLUS NIDULANS: 2940
ASPHYXIA: 384, 2053, 2157, 3525
ASPHYXIA NEONATORUM: 3123
ASPIRATION: 3125
ASPIRIN: 63, 96, 1632, 2252, 2654, 2722, 3044, 3115, 3654, 3903, 3989, 4086, 4248
ASSISTED CIRCULATION: 1492
ASTHENIA: 2073, 3924
ASTHMA: 129, 402, 416, 502, 595, 783, 872, 1046, 1163, 1516, 1521, 1686, 1718, 2054, 2546, 2551, 2839, 3291, 3594, 3603, 3620, 3853, 3934
ASTROCYTOMA: 1098, 1470, 1891, 2434, 2827, 3521, 3770
ASTRONOMY: 932
ATAXIA: 1334, 1776, 4145
ATAXIA TELANGIECTASIA: 199, 3711
ATELECTASIS: 981, 1389, 3448
ATMOSPHERE: 2908
ATMOSPHERE EXPOSURE CHAMBERS: 2178
ATMOSPHERIC PRESSURE: 1344, 2178, 2495, 2517, 4262
ATOMIC WARFARE: 2290
ATROPHY: 424-425, 601, 631, 915, 1385, 2021, 2264, 2322, 2697, 2880, 3057, 3187, 4278, 4285
ATROPINE: 29, 270, 324, 479, 483, 522, 525, 931, 969, 990, 1181, 1222, 1381, 1456, 1818, 1847, 1963, 2046, 2081, 2256, 2300, 2397, 2413, 2857, 2733, 2735, 2924, 3079, 3145, 3227-3228, 3362, 3774, 3907, 3911, 4075, 4266
ATTENTION: 80, 1671, 2477
ATTITUDE: 3869
ATTITUDE OF HEALTH PERSONNEL: 442, 1820
ATTITUDE TO HEALTH: 1373, 3144, 3974
AUDIO-VISUAL AIDS: 3283
AUDITORY CORTEX: 203, 720, 1693
AUDITORY PATHWAYS: 720
AUDITORY PERCEPTION: 1059, 1373, 2820, 3700
AUDITORY THRESHOLD: 1542
AURICULAR FIBRILLATION: 1261, 3285
AUROTHIOGLUCOSE: 2361, 2490, 3368, 4015
AUSCULTATION: 3595
AUSTRALIA: 2282, 2718
AUSTRALIA ANTIGEN: 310, 438, 460, 744, 1543, 1982, 3463, 4184
AUSTRALIAN RACE: 3055
AUTOANALYSIS: 315, 389, 517, 605, 813, 999, 1062, 1211, 1452, 1737, 1745, 1761, 2038, 2251, 2276, 2567, 2619, 2720, 3348-3349, 3587, 3636, 3738, 3780
AUTOANTIBODIES: 54, 293, 332, 613, 673, 846, 903, 921, 986, 1415, 1439, 1622, 2358, 2402, 2992, 3133, 3278, 3352, 3396, 3773, 3980, 4042, 4061, 4173, 4195, 4286
AUTOANTIGENS: 54, 597, 1045, 3278, 3549, 3861
AUTOIMMUNE DISEASES: 39, 293, 332, 541, 882, 986, 1415, 1830, 1990, 2095, 2402, 2674, 3032, 3278, 3495, 3979-3980, 4041, 4060-4061, 4195
AUTOLYSIS: 214
AUTOMATIC DATA PROCESSING: 2635
AUTOMOBILE DRIVING: 1671
AUTONOMIC DRUGS: 2397
AUTONOMIC DYSFUNCTION: 3924
AUTONOMIC FIBERS, PREGANGLIONIC: 507, 2015
AUTONOMIC NERVE BLOCK: 406, 2917, 2943
AUTONOMIC NERVOUS SYSTEM: 107, 200, 593, 906, 1457, 1640, 1898-1899, 2015, 2310, 2955, 3441, 3550, 3793, 4203
AUTOPSY: 19, 24, 146, 165, 184, 221, 371, 417, 462, 473, 490, 554, 581, 593, 716, 896, 1053, 1386, 1430, 1434, 1454, 1696, 1960, 1973, 1984, 2007, 2057, 2140, 2157, 2190, 2214, 2249, 2290, 2380, 2463, 2475, 2512, 2595-2596, 2771, 2796, 2850, 2939, 3123, 3224, 3234, 3301, 3688, 3776, 3892, 3991, 4046, 4067, 4115, 4287, 4294
AUTORADIOGRAPHY: 97, 106, 279, 351, 371, 474, 610, 761, 856-857, 902, 965, 1083, 1125, 1398, 1478, 1524, 1531, 1659, 1751, 1914, 1960, 2218, 2254, 2263, 2313, 2442, 2495, 2498, 2533, 2798, 2942, 2968, 3021, 3093, 3135, 3335, 3468, 3533, 3580, 3919, 4047, 4121
AUTOSOME ABNORMALITIES: 199, 235, 575, 767, 789, 873, 1768, 1940, 2208, 2229, 2564, 2666, 2951, 3050, 3243, 3245, 3381, 3649, 3682, 3727
AVIATION MEDICINE: 4262
AVOIDANCE LEARNING: 65, 181, 228, 368, 529, 737, 916-917, 1165, 1210, 1245, 2179, 3103, 3263, 3300, 3591, 3690, 3777, 4146, 4213
AWARDS AND PRIZES: 369-370, 484-485, 851, 853, 1029-1030, 3387-3388, 4178-4179
AXILLA: 3174
AXILLARY VEIN: 412
AXONS: 177, 212-213, 809, 1070, 1115, 1307, 1442, 2215, 2569-2570, 2790, 3128, 3209, 4077, 4126
AXOPLASMIC FLOW: 1422, 2215, 2498
AZA COMPOUNDS: 2431
AZACYTIDINE: 656
AZAMETHONIUM COMPOUNDS: 3907
AZASERINE: 2114
AZATHIOPRINE: 254, 413, 436, 460, 645, 654, 882, 1070, 1133, 1167, 1299, 1439, 1467, 1678, 1749, 2169, 2212, 2795, 2846, 2871, 3222, 3232, 3694, 3944, 4042, 4100, 4105, 4140, 4142, 4150, 4235
AZIDES: 325, 540, 686, 2894
AZIRINES: 187, 3652
AZO COMPOUNDS: 372, 1037, 2271, 2490, 3548
AZOLES: 2820
AZYGOS VEIN: 981

LIBRARY U. OF L. URBANA-CHAMPAIGN

SUBJECT INDEX

[illegible] 879, 1209, 1844, 1850, 2562, 2677, [illegible]
[illegible] ACEUS: 3317
BACILLUS MEGATERIUM: 3497
[illegible] 2906
[illegible] 522
[illegible] RADIATION: 3696
[illegible] 4192
BACTERIAL INFECTIONS: 142, 1663, 2483, 2820, 3628, 3743, 4130, 4240
BACTERIAL PROTEINS: 105, 500, 1650, 1900, 2101, 3366, 3780
BACTERIOLOGICAL TECHNICS: 550
BACTERIOPHAGE: 3100
BACTERIURIA: 527
BAGASSOSIS: 3427
BALANITIS: 2042
BANDAGES: 2288
BANGLADESH: 3071
BARBITURATES: 1002, 1264, 1774, 1789, 2443, 2458, 3031, 3458, 3800
BARIUM: 1369, 1755, 3209
BARIUM SULFATE: 3851
BARNACLES: 117
BARTONELLA INFECTIONS: 3487
BASAL METABOLISM: 424, 1406, 1621, 2210, 2937, 3691, 3961
BASE SEQUENCE: 1329-1330, 1577, 2188, 2564, 3113
BASEMENT MEMBRANE: 268, 921, 1239, 2143, 2863, 3128, 3739, 3985
BASILAR ARTERY: 2995
BASOPHILS: 294, 1760, 2140, 3027, 3653
BATHS: 3101
BCG VACCINATION: 1389, 2173, 3862, 4255
BECLOMETHASONE: 595
BEER: 509
BEHAVIOR: 178, 441, 833
BEHAVIOR, ANIMAL: 61, 177-178, 180, 368, 375, 468, 525, 531, 662, 681, 712, 737, 742, 821, 859, 916, 933, 944, 976, 982, 993, 1001, 1121, 1128, 1160, 1165, 1214, 1559, 1595, 1644, 1885, 1916, 1933, 2030, 2067, 2240, 2323, 2359, 2738, 2895, 2958, 3079, 3287, 3484, 3548, 3556, 3690, 3947, 3972, 4012
BEHCET'S SYNDROME: 1467
BELGIUM: 128
BENACTYZINE: 525, 1699, 3066, 3362
BENCE JONES PROTEIN: 51, 2847
BENZALDEHYDES: 1082
BENZAMIDES: 187
BENZANTHRACENES: 642-643, 2691
BENZAZEPINES: 1305, 1679, 2895
BENZENE DERIVATIVES: 652
BENZENE HEXACHLORIDE: 3141
BENZOATES: 59, 403, 629, 698, 726, 766, 955, 1236, 1257-1259, 2175, 2273, 2604, 2621, 2650, 2791, 2957, 3111, 3184, 3289, 3341, 4295
BENZOCYCLOHEPTENES: 1325
BENZOFURANS: 557
BENZOPHENONES: 447
BENZOPYRANS: 1594
BENZOPYRENES: 4225
BENZYL COMPOUNDS: 9, 726, 770, 2365, 2786
BERLIN: 3123
BETA GLOBULIN: 3446, 3481, 4041
BETAMETHASONE: 58, 215, 413, 690, 766, 792, 1084, 1412, 2688, 3570, 3874, 4065, 4232
BETHANECHOL COMPOUNDS: 386, 522, 4069
BIBLIOGRAPHY: 310, 3463, 4184
BICARBONATES: 493, 504, 670, 789, 894, 988, 1284, 1383, 1401, 1409, 2367, 2471, 2480, 2541, 2949
BIGUANIDES: 809, 3206
BILE: 393, 1939, 3302, 3703, 3741, 4116
BILE ACIDS AND SALTS: 189, 539, 930, 2929, [illegible] 4116
BILE DUCT NEOPLASMS: 1952, 2850, 4168
BILE DUCTS, INTRAHEPATIC: 189, 2388
BILIARY TRACT: 1217
BILIARY TRACT DISEASES: 930
BILIRUBIN: 613, 1288, 2345, 2991, 3134
BINDING, COMPETITIVE: 79, 88, 229, 494, 505, 809, 858, 1002, 1089, 1104, 1201, 1212, 1272-1273, 1280, 1304, 1336, 1355, 1745, 1804, 1879, 2106, 2198, 2274, 2279, 2424, 2446, 2694, 2769, 2884, 2887-2888, 3119, 3213, 3217, 3249, 3287, 3317, 3542, 3584, 3898, 3922, 3937, 4004, 4245
BINDING SITES: 83, 117, 234, 237, 286, 294, 380, 403, 515, 520, 540, 562, 603, 627, 701, 763, 798, 809-810, 1002, 1037, 1062, 1082, 1089, 1232, 1272-1274, 1276, 1280, 1284, 1335-1336, 1355, 1650, 1733-1734, 1852, 2123, 2143, 2198, 2391, 2446, 2504, 2744, 2750, 2799, 2868, 2873, 2891, 2935, 2984, 3248-3249, 3274, 3317, 3331, 3350, 3364, 3386, 3505, 3523, 3572, 3712, 3732, 3756, 3783, 3824, 3922, 3925, 3934, 3986, 4004
BINDING SITES, ANTIBODY: 240, 279, 331, 682, 1579, 1785, 3404, 3922, 4139, 4245
BIOCHEMISTRY: 541, 3849
BIOCOMPATIBLE MATERIALS: 1541, 1620, 1666
BIOFLAVONOIDS: 652
BIOGENIC AMINES: 178, 286, 681, 883, 1243, 1251, 1527, 1559, 1655, 2019, 2215, 2223, 2355, 2437, 2552, 2577, 3199, 3332, 3524, 3880
BIOLOGICAL ASSAY: 64, 156, 372, 385, 518, 536, 623, 713, 754, 804, 974, 1137, 1173, 1343, 1314, 1331, 1336, 1344, 1406, 1469, 1607, 1906, 2061, 2261, 2293, 2452, 2509, 2529, 2587, 2636, 2638, 2704, 2787, 2806, 2824, 2870, 2884, 2930, 2963, 2972, 3029, 3075, 3116, 3361, 3544, 3699, 3764, 3897, 4027, 4042, 4106, 4109, 4189
BIOLOGICAL CLOCKS: 932, 2024, 3261, 3801, 3964
BIOLOGICAL TRANSPORT: 17-18, 149, 327, 422, 508, 651, 745, 755, 999, 1062, 1157, 1273, 1387, 1408, 1422, 1488, 1500, 1509, 1587, 1626, 2062, 2109, 2131, 2193, 2205, 2228, 2377, 2504, 2540, 2579, 2730, 2789, 2835, 2864, 2915, 2996, 3064, 3206, 3230, 3453, 3491, 3571, 3609, 3731, 3733, 3847, 4125, 4144, 4156
BIOLOGICAL TRANSPORT, ACTIVE: 117, 258, 287, 562, 582, 894, 1015, 1050, 1094, 1225, 1656, 1993, 2063, 2205, 2578, 2633, 2931, 2941, 3022, 3133, 3401, 3461, 3472, 3513, 4071, 4144, 4219
BIOMECHANICS: 112, 257, 1620, 2668, 2784, 3313, [illegible]
BIOMETRY: 1395, 2478, 4152
BIOPHARMACEUTICS: 512, 2809
BIOPHYSICS: 957, 1208, 1541, 1666, 2668, 2784
BIOPSY: 34, 144, 158, 391, 394, 415, 450, 524, 542, 670, 677, 716, 835, 889, 896, 929, 942, 1106, 1143, 1147, 1172, 1207, 1252, 1263, 1309, 1371, 1414, 1453-1454, 1537, 1707, 1717, 1746, 1784, 1815, 1961, 1988-1989, 2084, 2100, 2141, 2146, 2262, 2309, 2434, 2582, 2663, 2699, 2727, 2739, 2760, 2886, 2892, 2909, 2914, 2960, 2991, 3219, 3318, 3415, 3507, 3553, 3671, 3688, 3844, 3973, 3980, 3998, 4105, 4124, 4167, 4229, 4235, 4254, 4268
BIOPSY, NEEDLE: 1244, 1960, 1990, 2095, 2833, 4102
BIOTRANSFORMATION: 1099, 2607, 3503, 3580
BIPHENYL COMPOUNDS: 3042
BIRDS: 120, 257, 288, 1664, 2040, 2175, 2497-2498, 2549, 2732, 2768, 2799, 3372, 3427, 3700
BIRTH INJURIES: 3800
BIRTH RATE: 1913, 2964, 3097, 3742, 3881, 4199
BIRTH WEIGHT: 61, 275, 354, 740, 897, 989, 1619, 1676, 1801, 1806, 1968, 2137, 2274, 2460, 2702, 2808, 3094, 3123, 3132, 3409, 3434, 3443, 4054, 4067, 4200
BISMUTH: 3307
BIUREAS: 2586
BLADDER: 287-288, 580, 849, 1587, 1932, 2131, 2739, 3609, 3731, 3960
BLADDER DISEASES: 2739
BLADDER EXSTROPHY: 2239
BLADDER NEOPLASMS: 193, 801, 1333, 1955, 2354, 2512, 2905, 3126
BLADDER, NEUROGENIC: 1732
BLEOMYCIN: 1333, 2632, 3400, 3725
BLEPHAROPTOSIS: 359, 1435, 4218
BLIND LOOP SYNDROME: 3500
BLINDNESS: 563, 575, 649, 1533, 1584, 1602, 1815, 3293
BLISTER: 110, 2576, 3415, 3666
BLOOD: 18, 441, 646, 710, 731, 782, 907, 1032, 1135, 1515, 2126, 2386, 2652, 2894, 2732, 2743, 2860, 3208, 3534, 3581, 3623, 3830, 3898, 3961, 3982
BLOOD BACTERICIDAL ACTIVITY: 4005
BLOOD-BRAIN BARRIER: 571, 1043, 1341, 1559, 2420, 3462
BLOOD CELL COUNT: 60, 63, 446, 513, 1067, 1267, 1576, 1627, 2159, 3237, 3255, 3400, 3623, 4130, 4206
BLOOD CELLS: 661, 932, 1674, 1946, 2728, 3312, 3696
BLOOD CHEMICAL ANALYSIS: 354, 2076, 2128, 2438
BLOOD CIRCULATION: 43, 97, 1023, 3306, 3611, 4045
BLOOD COAGULATION: 592, 1642, 1 2319, 2843, 2908, 2998, 3593, 3623, 3
BLOOD COAGULATION DISORDERS: 486, 1576, 2378, 2871, 3698, 3743, 38
BLOOD COAGULATION FACTORS: 2871
BLOOD COAGULATION TESTS: 63, 2871, 3099, 3315, 3593, 3696, 3865,
BLOOD DONORS: 2506, 2618
BLOOD FLOW VELOCITY: 186, 188, 888, 913, 1634, 1721, 1873, 2287, 22
BLOOD GAS ANALYSIS: 168, 490, 1722, 3099, 3749
BLOOD GROUP INCOMPATIBILITY: 3343, 3434, 3638
BLOOD GROUPS: 1397, 2909, 3000, 3085
BLOOD PLATELET DISORDERS: 21 3089, 3698, 3885, 4066
BLOOD PLATELETS: 28, 60, 62-63, 1510, 1590, 1642, 1817, 2104, 2159, 2358, 2343, 2352, 2543, 2572, 2618, 2946-2947, 3316, 3623, 4066, 4206
BLOOD PRESERVATION: 2618
BLOOD PRESSURE: 86, 126, 156, 23 344, 354, 386, 439-440, 449, 479, 49 718, 730, 738, 822, 824, 888, 906, 9 990, 1021, 1023-1024, 1094, 1108, 11 1181-1182, 1285, 1388, 1399, 1492, 1 1674, 1684, 1726, 1730, 1804, 1812, 1880, 1972, 2061, 2105, 2147, 2177, 2287, 2299, 2310, 2356, 2449, 2466-2 2591, 2662, 2742, 2804, 2869, 2883, 3017, 3034, 3068, 3080, 3083, 3102, 3291, 3338, 3383, 3534-3535, 3611, 3 3667, 3737, 3749, 3774, 3823, 3830, 3911, 3917, 4069, 4078, 4202, 4236,
BLOOD PRESSURE DETERMINATIO 3153
BLOOD PROTEIN DISORDERS: 293, 2214, 2721, 3476, 3885
BLOOD PROTEIN ELECTROPHORE 2132, 3418, 3504, 3506, 3693, 4041
BLOOD PROTEINS: 37, 88, 120, 331 543, 672-673, 727, 1011, 1018, 1032, 1102, 1272, 1288, 1304, 1329-1330, 1 1418, 1512, 1661, 1717, 1734, 1761, 2099, 2126, 2319, 2351, 2661, 2774, 2996, 3287, 3404, 3480, 3506, 3668, 3922, 3934, 4038, 4041, 4197, 4238
BLOOD SEDIMENTATION: 232, 700, 1964, 2654, 2774, 3623, 3900, 4065,
BLOOD SPECIMEN COLLECTION:
BLOOD SUGAR: 36, 87, 93, 202, 25 433, 533, 605, 655, 709, 900, 963-9 1033, 1056, 1127, 1188, 1200, 1332, 1519, 1532, 1539, 1566, 1615, 1688, 1923, 1978, 2056, 2104, 2107, 2128, 2272, 2291, 2317, 2361, 2405, 2410, 2551, 2573, 2595, 2617, 2671-2672, 2757, 2822, 2980, 2988, 3029, 3038, 3205, 3358, 3354, 3374, 3407, 3629, 3715, 3745, 3766, 3847, 3852, 3890, 3921, 3938
BLOOD TRANSFUSION: 238, 289, 599, 1316, 1383, 1407, 1982, 2025, 2874, 3127, 3454, 4130
BLOOD TRANSFUSION, AUTOLOG
BLOOD UREA NITROGEN: 502, 49 805, 1000, 1167, 1576, 1964, 1968, 2454
BLOOD VESSEL PROSTHESIS: 114
BLOOD VESSELS: 906, 1124, 1444, 1837, 2088, 2433, 2769, 3015, 3389, 4046, 4111, 4162
BLOOD VISCOSITY: 1175
BLOOD VOLUME: 86, 584, 829-830, 2238, 2310, 2593, 3042, 3535, 3715, 4174
BLOOD VOLUME DETERMINATIO 4184
BLOODLETTING: 872
BODY BURDEN: 962
BODY COMPOSITION: 168, 1809,
BODY CONSTITUTION: 241, 1300
BODY FLUIDS: 327, 410, 499, 829, 1408, 3506, 3913, 3986
BODY HEIGHT: 418, 440, 446, 523,

...56, 1351, 1926, 1935, 2006,
...26, 2775, 3097, 3213, 3425, 3495,
...80, 3765, 3995
... 132
CE AREA: 2351, 2565, 2732, 3708
RATURE: 29, 152, 160, 284, 354,
... 718, 916-917, 1084, 1168, 1245,
...627, 1712, 2024, 2158, 2199, 2259,
...305, 2732, 2883, 2927, 3400, 3432,
...335, 3647, 3801, 3940, 3947-3948,
RATURE REGULATION: 180, 662,
... 1138, 1370, 1474, 1480, 1556, 1712,
...168, 2328, 2596, 2704, 2732, 2796,
...33, 3016, 3058, 3176, 3432, 3489,
...967, 3709, 3812, 3860
... 829-830, 1043, 2231
T 30, 52, 67, 80, 82, 113, 124, 127,
... 204, 230, 252-253, 262, 304, 368,
... 469, 509, 661, 685, 700, 710, 727,
... 787, 795, 797, 832, 863-864, 897,
... 933, 947, 954-955, 982, 1000, 1021,
...118, 1128, 1156, 1195, 1238, 1257,
...35, 1514, 1582, 1602, 1639, 1660,
...749, 1754, 1917, 1926-1927, 1934,
...978, 2076, 2107, 2149-2150, 2179,
...228, 2231, 2340, 2342, 2255, 2271,
...339, 2344, 2351, 2361, 2363, 2368,
...418-2419, 2449, 2460, 2478, 2488,
...890, 2776, 2806, 2808, 2829, 2844,
...921, 2923, 2956, 2972, 2974, 2981,
...007, 3177, 3182, 3184-3185, 3193,
...264, 3286, 3323, 3327, 3368, 3383,
...77, 3467, 3546-3548, 3560, 3573, 3577,
...667, 3747, 3760, 3788, 3834-3835,
...943, 3947, 3962, 3995, 4103, 4117,
ONES: 22, 36, 67, 78, 82, 101, 112,
... 257, 266, 333, 341, 391, 422, 451,
... 670, 679, 696, 727, 753, 767, 777,
... 891, 912, 918, 954, 957, 960-962,
...1, 1099, 1130, 1143, 1198, 1208, 1246,
...347, 1353, 1377, 1384, 1395, 1400,
...473, 1478, 1534, 1541, 1589, 1609,
...668, 1657, 1787, 1800-1801, 1836,
...910, 1927, 1950, 1983, 2048, 2069,
...39, 2144, 2366, 2276, 2314, 2340,
...368, 2371, 2394, 2406, 2491, 2494,
...668, 2705, 2727, 2731, 2784, 2829,
...931, 2999, 3011, 3015, 3105-3106,
...31, 3191, 3234-3235, 3296, 3313, 3328,
...417, 3425, 3429, 3499, 3551, 3560,
...638, 3649-3650, 3663, 3675, 3741,
...799, 3806, 3826, 3932, 3941, 3952,
...913, 4067, 4087-4088, 4124, 4157,
...206, 4291
...TS: 2784, 3359
...929, 1006
...OPMENT: 67, 392, 398, 905, 954,
...55, 1872, 2797, 3041, 3076, 3157,
...458, 3545, 3547, 3834, 4124
...ES: 391, 545, 880, 970, 1006, 1707,
...636, 2325, 2718, 3087, 3156-3157,
...398, 3490, 3747, 3761, 3765, 4087,
ES, DEVELOPMENTAL: 767, 1091,
...W: 147, 242, 266, 833, 862, 1072,
...515, 1496, 1777, 1964, 2491, 2653,
...252, 3325, 3688, 4289
...W CELLS: 8, 113, 139, 367, 1477,
...804, 1964, 2132, 2218, 2314, 2543,
...711, 4018, 4365
...W DISEASES: 484, 4294
...W EXAMINATION: 417, 1432, 1580,
...130
...X: 3105, 3566
... 4013
...ASMS: 879, 1053, 1378, 2195, 2229,
...474, 2787, 2850, 2951, 3050, 3246,
...488, 3727, 4190
...E: 3069, 4013
...ERATION: 257, 1203, 1414, 1666,
...389, 2784, 3105, 3620, 3663
...PTION: 244, 670, 696, 880, 891, 954,
...43, 1270, 1247, 1414, 1473, 1490,
...910, 2194, 2230, 2394, 2727, 3041,
...105, 3130, 3157, 3560, 3649, 4009,
...LRICH SYNDROME: 2427
BORANES: 726
BORATES: 2634
BORIC ACIDS: 2934
BORNANES: 3201, 3407
BOROHYDRIDES: 474, 813, 1031
BORON COMPOUNDS: 3926
BOTULISM: 2718
BOVINE VIRUS DIARRHEA- MUCOSAL DISEASE: 904
BRACES: 2490
BRADYCARDIA: 43, 90, 4200, 4262, 4266
BRADYKININ: 888, 1386, 1692, 2546, 2748, 3907, 4118
BRAIN: 13, 27, 29, 88, 104, 172, 177-178, 298, 301, 330, 357, 368, 388, 406, 414, 441, 471, 497, 507, 525, 531, 564, 571, 620, 681, 729, 735, 776, 784, 821, 823-824, 839, 860, 871, 883, 958, 977, 991, 993, 1033, 1043, 1054, 1061, 1071, 1115, 1160, 1219, 1243, 1410, 1527, 1531, 1537, 1566, 1595, 1624, 1653, 1742, 1751, 1793, 1802, 1811, 1832, 1850-1851, 1905, 1949, 1975, 2016, 2038, 2047, 2077, 2121, 2158, 2170, 2232, 2267, 2294, 2353, 2420, 2437, 2470, 2477, 2479, 2530, 2533, 2605, 2620, 2637, 2664, 2677, 2698, 2703, 2732, 2743, 2770, 2834, 2836, 2841, 2849, 2858, 2910, 2958, 2982, 2997, 3011, 3019, 3077, 3103, 3182, 3199, 3204, 3241, 3244, 3280, 3286, 3332, 3335, 3353, 3407, 3409, 3444, 3451, 3462, 3484, 3490, 3515-3516, 3533, 3571, 3605, 3637, 3653, 3740, 3763, 3817, 3819, 3839, 3871, 3880, 3945, 3959, 4037, 4052, 4071, 4125, 4146, 4203, 4294
BRAIN ABSCESS: 2272, 2283, 2637
BRAIN CHEMISTRY: 27-28, 35, 172, 301, 341, 357, 388, 441, 472, 528, 537, 729, 916-917, 945, 977, 993, 1043, 1193, 1251, 1443, 1595, 1644, 1653, 1751, 1793, 1802, 1840, 1967, 2030, 2067, 2078, 2437, 2469, 2495, 2530, 2577, 2716, 2800, 2858, 2958, 2982, 3017, 3153, 3244, 3332, 3336, 3485, 3518, 3554, 3582, 3849, 3959, 3982, 3990, 4002, 4012, 4104, 4145-4146, 4196, 4212-4213
BRAIN DAMAGE, CHRONIC: 1803, 2048
BRAIN DISEASES: 93, 533, 693, 737, 1098, 1190, 1289, 1334, 1383, 2189, 2399, 2437, 2677, 3037, 3770, 3800, 4294
BRAIN EDEMA: 2132, 2298, 3462, 4138
BRAIN INJURIES, ACUTE: 944, 2595-2596, 3953
BRAIN MAPPING: 178, 350, 2533, 2704, 3047, 3332
BRAIN NEOPLASMS: 406, 420, 462, 465, 503, 538, 693, 1086, 1091, 1098, 1190, 1393, 1891, 2189, 2249, 2290, 2354, 2434, 2444, 2594, 2596, 2827, 2836, 2989, 3001, 3089, 3521, 3627, 3770, 3897, 3945
BRAIN STEM: 20, 178, 349, 839, 913, 1225, 1644, 1655, 1693, 1840, 2399, 3301, 3332, 3774, 3849, 4294
BRAZIL: 843, 1563, 1567, 3526
BREAST: 144, 306, 1107, 2045, 2568, 3811, 3905
BREAST DISEASES: 34, 47, 306, 423, 2060, 2683
BREAST FEEDING: 489, 1241, 2282, 3035, 4103
BREAST NEOPLASMS: 34, 39, 47, 50, 144, 146, 176, 193, 293, 423, 464, 619, 685, 768, 799-800, 812, 842, 1012, 1100, 1105, 1149, 1171, 1183, 1244, 1360, 1378, 1515, 1669, 1904, 2001, 2036, 2060, 2140, 2248, 2290, 2482, 2485, 2524, 2568, 2629, 2632, 2674, 2905, 2935, 3056, 3136, 3219, 3276, 3359, 3558, 3616, 4040, 4080
BREEDING: 1011, 2271, 2273, 2451, 2747, 4028
BRENNER TUMOR: 1753, 2262, 3539
BRETYLIUM COMPOUNDS: 335, 3227-3228
BRITISH COLUMBIA: 554
BROMIDES: 141, 1939, 3574, 4055
BROMINE: 489, 2050, 2488
BROMODEOXYURIDINE: 3437, 3798
BRONCHI: 311-312, 1516, 1984, 2546, 2606, 2859, 4169
BRONCHIAL DISEASES: 4101
BRONCHIAL NEOPLASMS: 866, 1315, 1386, 1984, 2544, 2859, 3359, 4102
BRONCHIAL SPASM: 129, 311-312, 498, 1521, 4272
BRONCHIECTASIS: 2214
BRONCHIOLITIS, VIRAL: 24
BRONCHITIS: 1, 783, 2601, 3033, 3911
BRONCHODILATOR AGENTS: 941, 1686, 1826, 3033, 3108, 3911
BRONCHOPNEUMONIA: 1920, 2132
BROWN FAT: 862, 1531, 1556, 2012, 2442
BRUCELLA ABORTUS: 2341, 4066, 4172
BRUCELLA VACCINE: 4172
BRUCELLOSIS, BOVINE: 4172
BUFFALOES: 1303
BUFFERS: 597, 1002, 1234, 1661, 1668, 1939, 1999, 3083, 3330, 3587, 3970, 4049
BUFO: 714, 885
BUFO MARINUS: 287, 849, 3609, 3731
BULBOURETHRAL GLANDS: 1842, 3168, 3966
BURKITT'S LYMPHOMA: 638, 1076, 2564, 4263
BURNS: 110, 831, 1468, 1692, 4011
BURNS, CHEMICAL: 2601
BURSA OF FABRICIUS: 495, 1297, 1603
BURSITIS: 3840
BUSULFAN: 3465
BUTANONES: 4096
BUTYLAMINES: 312, 3206
BUTYRATES: 57, 83, 408, 686, 916, 1089, 1101, 1449, 1509, 1814, 1862, 1878, 2062, 2108, 2184, 2501, 2915, 2995, 3833, 3948, 3976, 4121
C-TYPE VIRUSES: 2755, 3271
CADAVER: 254, 460, 2560-2561, 4210
CADMIUM: 207, 727, 3168
CAFFEINE: 96, 251, 504, 686, 1220-1221, 1962, 2106, 2143, 2400, 2831, 3170, 3350, 3630, 3907
CALCIFICATION, PHYSIOLOGIC: 112, 1143, 1337, 1518, 1524, 1872, 1927, 2152, 2394, 3076, 3328, 3417, 3566
CALCINOSIS: 401, 581, 930, 970, 997, 1088, 1473, 1538, 1636, 2194, 2331, 2378, 2654, 2691, 2752, 2781, 3187, 3599, 4188, 4226
CALCIUM: 9, 43, 62, 89, 117, 133, 171-172, 189, 196-197, 205, 209, 219, 227, 237, 244, 267, 294, 301-302, 320, 331, 335, 345-346, 385, 395, 422, 426, 443, 451, 472, 504, 508-511, 562, 582-583, 590, 593, 599, 616-617, 626, 670, 727, 736, 772, 777, 782, 805, 809, 819, 828, 847, 852, 855, 886, 906, 929-930, 960-961, 970, 983, 999-1000, 1006, 1039, 1043, 1050, 1088, 1096-1097, 1102-1103, 1112, 1144, 1185, 1187, 1209, 1211, 1231, 1261, 1313, 1336, 1347-1348, 1368-1369, 1408, 1427, 1450, 1473, 1476, 1488, 1495, 1500, 1518, 1524, 1530, 1538, 1541, 1561, 1585, 1589, 1592, 1597, 1609, 1615, 1628, 1636, 1656, 1670, 1677, 1711, 1713, 1717, 1775, 1794, 1800, 1811, 1860, 1875, 1897, 1910, 1927, 1951, 1999, 2002, 2024, 2033, 2043, 2063, 2068, 2085, 2092, 2094, 2123, 2126, 2143, 2205, 2222, 2228, 2230, 2266, 2309, 2319, 2330, 2345, 2366-2368, 2393, 2416, 2421, 2426, 2433, 2443, 2447, 2461-2462, 2489, 2502, 2504, 2509, 2534, 2538-2539, 2578-2579, 2602, 2633, 2651, 2656, 2673, 2678, 2693, 2696, 2730-2731, 2744, 2761, 2769, 2789, 2797, 2802-2803, 2829, 2831, 2878, 2889, 2904, 2906, 2931, 2941, 2944, 2953, 3020, 3022, 3026, 3064, 3075, 3086, 3088, 3156, 3158, 3195, 3209, 3235, 3248, 3260-3261, 3272, 3280, 3294, 3296, 3301, 3313, 3318, 3328, 3331, 3350, 3355, 3361, 3394, 3397-3398, 3401, 3441, 3461, 3475, 3489, 3491, 3500, 3504, 3507, 3537-3538, 3560, 3566, 3574, 3612-3613, 3633, 3648, 3676, 3686, 3702, 3705, 3715, 3732-3735, 3747, 3761, 3779, 3794, 3799, 3805, 3813-3814, 3822, 3826, 3831, 3850, 3859, 3868, 3875, 3887, 3890, 3901, 3929-3930, 3945, 3952, 3958, 3986, 3990, 4009, 4050, 4077, 4085, 4090, 4098, 4113, 4118, 4120, 4144, 4164, 4167, 4171, 4181, 4295
CALCIUM CARBONATE: 1518, 1667, 3260
CALCIUM CHLORIDE: 172, 219, 1137, 3280, 4144
CALCIUM, DIETARY: 82, 196-197, 219, 267, 302, 422, 777, 852, 1628, 1662, 1677, 1711, 1927, 1998, 2366, 2461, 2509, 3181, 3318
CALCIUM ISOTOPES: 9, 171, 196-197, 219, 227, 472, 617, 626, 1043, 1144, 1347, 1369, 1500, 1524, 1530, 1561, 1589, 1677, 1927, 2068, 2222, 2228, 2502, 2504, 2509, 2539, 2578, 2803, 2831, 2889, 2944, 3064, 3318, 3328, 3350, 3361, 3394, 3735, 3850, 3901, 3986, 4009, 4085, 4144, 4295
CALCIUM METABOLISM DISORDERS: 961, 2126, 3156, 3202, 3398, 3868
CALCIUM PHOSPHATES: 2331, 2654
CALIFORNIA: 3271
CALIFORNIUM: 2635
CALLUS: 1337, 3105-3106
CALORIMETRY: 503, 1474, 2522, 2578-2579, 3722, 3819
CANADA: 302
CANDIDA: 1350
CANDIDA ALBICANS: 1506, 3178, 3473
CANNABIS: 65, 135, 944, 1751, 1963, 3335
CAPILLARIES: 256, 268, 280, 1094, 1491, 1569, 2331, 2352, 2663, 2877, 3128, 4157
CAPILLARY FRAGILITY: 1316
CAPILLARY PERMEABILITY: 214, 770, 1181, 1692, 1967, 2331, 2351, 3771

CAPILLARY RESISTANCE: 2662
CAPROATES: 652, 2339
CAPRYLATES: 2400, 3896
CAPSULES: 1464, 1888
CARBACHOL: 572, 1798-1799, 1862, 1963, 2300, 2413, 2733-2734, 3751
CARBAMATES: 925, 1155, 1570, 2269
CARBAMAZEPINE: 1404, 2309, 3120, 3952
CARBANILIDES: 197
CARBENICILLIN: 1057
CARBIMAZOLE: 1744, 1747, 2176, 2641
CARBODIIMIDES: 4
CARBOHYDRATE ISOMERASES: 3440
CARBOHYDRATE METABOLISM, INBORN ERRORS: 3060, 3650
CARBOHYDRATES: 55, 64, 259, 713, 1444, 1499, 1944, 2107, 2427, 2586, 2845, 3419, 3476, 3544, 3571, 3693, 3984, 4103
CARBON: 2346, 2784, 3663
CARBON DIOXIDE: 168, 182, 260, 782, 872, 913, 935, 1217, 1773, 2030, 2104, 2327, 2565, 2924, 3296, 3383, 3393, 3461, 3698, 3830, 3847, 3890
CARBON DISULFIDE: 1767
CARBON ISOTOPES: 14, 57, 91, 121, 239, 250-251, 271, 278, 283, 286, 318, 327, 348, 362, 371, 393, 403, 421, 432, 443, 471, 474, 497, 506, 508, 520, 567-568, 587, 602, 610, 615, 641, 643, 695, 707, 763, 794, 810, 838, 862, 865, 878, 883, 912, 958, 978, 996, 1033, 1112, 1116, 1151, 1177, 1230, 1249, 1267, 1271, 1280, 1310, 1376, 1390, 1461, 1469, 1476, 1510, 1513, 1517, 1531, 1560, 1574, 1590, 1604, 1626, 1650, 1664, 1706, 1737, 1751, 1773, 1795, 1813-1814, 1850, 1889, 1900, 1910, 1912, 1923, 1951, 1976-1977, 1981, 1987, 1995, 2047, 2064, 2104, 2114, 2124, 2187, 2210, 2299, 2318, 2327, 2353, 2372, 2384, 2400-2401, 2422, 2425, 2442, 2446-2447, 2500, 2523, 2540, 2547, 2557-2558, 2567, 2572, 2578, 2584, 2618-2619, 2627, 2633-2634, 2680, 2715, 2766, 2800, 2834, 2868, 2891, 2900, 2940, 2965, 3045, 3056, 3085, 3137, 3152, 3229-3230, 3282, 3287, 3303, 3316, 3331, 3361, 3374, 3393, 3419, 3437, 3446, 3461, 3497, 3502, 3515, 3533, 3540, 3546, 3552, 3565, 3580, 3586, 3614, 3635, 3643, 3655, 3662, 3703, 3712, 3734, 3736, 3740, 3756, 3763, 3798, 3802, 3825, 3847-3848, 3850, 3866, 3884, 3886, 3891, 3937, 4000-4001, 4004, 4024, 4029, 4036, 4058, 4093, 4104, 4116, 4125, 4153, 4167, 4183, 4248
CARBON MONOXIDE: 1868, 2839, 3908, 4225
CARBON TETRACHLORIDE: 587, 2222, 3932
CARBON TETRACHLORIDE POISONING: 2923
CARBONATES: 912, 2246-2247, 3083
CARBONIC ANHYDRASE: 1544, 2538, 2603, 2733-2734
CARBONIC ANHYDRASE INHIBITORS: 4295
CARBOXY-LYASES: 1720, 2605, 2867, 2965, 3233, 3514-3515, 3833, 4003
CARBOXYLIC ACIDS: 1679, 1991, 2446, 4004
CARBOXYPEPTIDASES: 1544, 4073
CARBUTAMIDE: 3201
CARCINOEMBRYONIC ANTIGEN: 303, 866, 1952
CARCINOGENS: 897, 1037, 1955, 2800
CARCINOID TUMOR: 1320, 1386, 1875, 2859, 3579, 3873
CARCINOMA: 184, 663, 673, 754, 837, 866, 922, 956, 1052, 1315, 1332, 1352, 1441, 1497, 1772, 2021, 2416, 2434, 2485-2486, 2509, 2512, 2568, 2674, 2696, 2699, 2723, 2727, 2755, 3118, 3156-3157, 3189, 3290, 3344, 3602, 3684, 3923, 3989, 4033, 4035
CARCINOMA, BASAL CELL: 835, 3628, 4039
CARCINOMA, BRONCHIOLAR: 326, 3465
CARCINOMA, BRONCHOGENIC: 716, 1952, 2001, 2171, 2727, 3159, 3792
CARCINOMA, EHRLICH TUMOR: 706, 1478, 2026, 2353, 2581, 3482
CARCINOMA, EPIDERMOID: 462, 464, 866, 1333, 1784, 1958, 2632, 2687, 2727, 2863, 3179, 3375, 3628, 3688, 3945, 4080, 4100
CARCINOMA IN SITU: 3167
CARCINOMA, KREBS 2: 832, 3457
CARCINOMA, MUCINOUS: 3598
CARCINOMA, OAT CELL: 716, 2171, 2727, 3159
CARCINOMA, PAPILLARY: 561, 922, 1746, 2195, 2486, 2899, 3189, 3215, 3935, 4033
CARCINOMA 256, WALKER: 1322, 1576
CARDANOLIDES: 2080, 3342, 3404
CARDIAC GLYCOSIDES: 402
CARDIAC OUTPUT: 214, 230, 479, 730, 913, 1124, 1175, 1285, 1399, 1492, 1873, 2237, 2289, 2310, 2407, 2502, 2591, 2769, 3383, 3642, 3774, 3917
CARDIAC VOLUME: 2591, 3062
CARDIOLIPINS: 3074
CARDIOSPASM: 3164
CARDIOVASCULAR DISEASES: 2164, 3290
CARDIOVASCULAR SYSTEM: 424, 479, 1801, 2722, 2742, 3383, 3637
CARMUSTINE: 1835, 2249, 2863
CARNIVORA: 1371
CAROTENOIDS: 1568, 2877
CAROTID ARTERIES: 168, 221, 1408, 1684, 1834, 2656, 3595, 3611, 3852, 3986, 4202
CAROTID ARTERY DISEASES: 1463, 2189, 2463, 3293, 3595
CAROTID ARTERY, INTERNAL: 1438, 2463, 3595
CAROTID ARTERY THROMBOSIS: 1594
CAROTID BODY: 3823
CAROTID BODY TUMOR: 1631, 3180
CAROTID SINUS: 730, 1492, 3774
CARPAL BONES: 3458
CARRAGEENAN: 1692, 2296, 2717
CARRIER PROTEINS: 196-197, 2424
CARRIER STATE: 460
CARTILAGE: 340, 813, 924, 1611, 1787, 2276, 2653, 2972, 3312, 3417, 3566, 3788
CARTILAGE, ARTICULAR: 78, 1353, 1558, 2559, 2654, 3003-3004, 3685, 3789, 4258
CARTILAGE DISEASES: 2973
CASE REPORT: 2, 51, 235, 290, 343, 425, 498, 599, 687, 716, 747, 767, 880, 940, 1053, 1159, 1253, 1289, 1306, 1342, 1382, 1414, 1533, 1545, 1622, 1739, 1911, 1948, 1960, 2036, 2136, 2168, 2192, 2244, 2249, 2281, 2283, 2340, 2380, 2615, 2625, 2818, 2859, 2874, 2926, 2953, 3049, 3089, 3189, 3373, 3403, 3500-3501, 3508, 3697, 3705, 3718, 3725, 3728, 3805, 3965, 3983, 4035, 4051, 4115, 4135, 4159, 4264-4265, 4294
CASEIN: 905, 1462, 1500, 2295, 2636, 3229, 3257, 3546-3547
CASTRATION: 15, 81, 102, 161-162, 181, 198, 250, 252, 385, 506, 585, 607, 628-629, 649, 694, 698, 710, 732, 746, 755, 799, 810, 887, 915, 955, 965, 976, 996, 1001, 1003, 1012, 1032, 1075, 1079, 1093, 1100, 1130, 1211, 1213, 1238, 1257-1259, 1310, 1321, 1333, 1378, 1512, 1553, 1640, 1673, 1796, 1805, 1828, 1842, 1887, 1914, 1919, 1925, 1937, 1943-1944, 1995, 2034, 2154, 2175, 2224, 2233, 2256, 2273, 2313, 2318, 2323, 2344, 2355, 2380, 2390, 2518, 2557-2558, 2571, 2604, 2664, 2689, 2711, 2751, 2767, 2791-2792, 2876, 2885, 2930, 2936, 2948, 2956-2957, 2963, 2979, 2982, 3046, 3051, 3092, 3111, 3121, 3184, 3206, 3219, 3251, 3276, 3288-3289, 3309, 3311, 3356, 3363, 3367, 3393, 3408, 3466, 3470, 3505, 3520, 3558, 3569, 3645, 3671, 3678, 3710, 3719, 3754-3755, 3811, 3815, 3817, 3824, 3861, 3887, 3887-3888, 4029, 4041, 4043, 4079, 4166, 4182, 4189, 4191-4193, 4260
CASTS, SURGICAL: 2066, 2340
CATALASE: 1302, 1527, 1868, 2219, 2705, 3256, 3565
CATALYSIS: 1101, 1813, 2468, 3275, 3364, 4246
CATARACT: 466, 470, 1154, 2697, 2868
CATARACT EXTRACTION: 397, 466, 1154, 1296, 2701
CATATONIA: 823, 2986
CATECHOL: 1249, 1868
CATECHOL METHYLTRANSFERASE: 403, 458, 883, 2039
CATECHOLAMINES: 9, 35, 46, 55, 178-179, 239, 298, 317, 349, 430, 461, 531, 871, 888, 919, 925, 1009, 1078, 1126, 1173, 1222, 1403, 1413, 1417, 1422, 1564, 1595, 1617, 1631, 1655, 1706, 1720, 1735, 1767, 1840, 1848, 1881, 1890, 1894, 2012, 2030, 2046, 2107, 2120, 2143, 2198, 2206, 2223, 2336, 2352, 2433, 2469-2470, 2479, 2521-2522, 2534, 2546, 2657, 2742, 2769, 2772-2773, 2783, 2858, 2897, 2919, 3153, 3176, 3199, 3332, 3438, 3456, 3492, 3517, 3524, 3571, 3672, 3863, 3902, 3907, 3959, 3961, 3984
CATHARTICS: 3793
CATHEPSIN: 214, 642, 775, 898, 1005, 1069, 3563
CATHETERIZATION: 336, 430, 928, 990, 2377, 2425, 3074, 3383, 3889, 4032, 4149
CATIONS, DIVALENT: 125, 809, 1811, 1868, 3209, 3249, 3538, 3676
CATIONS, MONOVALENT: 809, 3574, 3735, 4125
CATS: 116, 344, 355, 378, 525, 606, 620, 662, 737, 821, 944, 951, 987, 1073, 1121, 1124, 1138, 1165, 1214, 1285, 1357, 1493, 1613, 1699, 1783, 1817, 1939, 1969, 1972, 1977, 2221, 2223, 2236, 2296, 2420, 2430-2431, 2509, 2694, 2700, 2722, 2769, 2816-2817, 2869, 2871, 2895, 2912, 2995, 3017, 3140, 3152, 3267, 3277, 3363, 3468, 3716, 3774, 3819, 3823, 3875, 3979, 3948, 3961, 4015, 4071, 4120, 4145,
CATTLE: 59, 64, 76, 79, 83, 109, 1 223-224, 239-240, 301, 330, 389, 4 476, 497, 519, 556, 578, 605, 644, 713, 745, 780, 813, 815, 861, 888, 946, 1031, 1097, 1123, 1131, 1204, 1284, 1295, 1302-1303, 1328-1327, 1 1409, 1427, 1431, 1555, 1570, 1572, 1618, 1646-1648, 1654, 1657, 1708, 1784, 1792, 1802, 1826, 1884, 1895, 1967, 1977, 1991, 2031, 2047, 2075, 2103, 2106, 2119, 2133, 2151, 2155, 2250, 2271, 2312, 2314, 2319, 2334, 2428, 2447, 2454, 2510, 2540, 2566, 2637, 2646, 2750, 2844, 2871, 2881, 2946, 2972, 3028, 3038, 3072, 3074, 3149, 3162, 3194, 3207, 3217, 3270, 3320-3321, 3330-3331, 3349, 3361, 3405, 3438, 3491, 3522, 3542, 3561, 3600, 3636, 3642, 3677, 3689, 3740, 3799, 3824, 3829, 3839, 3867, 3879, 4000-4001, 4023, 4049, 4076, 4090, 4175, 4240, 4267
CATTLE DISEASES: 216, 330, 904, 1784, 2637, 3541, 3600, 3829, 4076
CAUCASIAN RACE: 1092, 2562, 3
CAUDATE NUCLEUS: 29, 1832, 2 4036-4037
CAUSALGIA: 2917, 2943
CAVERNOUS SINUS: 2189, 2845, 4243
CELIAC PLEXUS: 3550
CELL AGGREGATION: 63, 1614, 4005
CELL COUNT: 47, 50, 92, 902, 1 1924, 2049, 2100, 2233, 2506, 2 3879, 4229
CELL DIFFERENTIATION: 177, 1055, 1311, 1525, 1834, 1853, 2 2267, 2327, 2517, 2707, 2759, 2 3113-3114, 3126, 3268, 3396, 3 4025, 4093, 4162, 4224
CELL DIVISION: 351, 367, 535, 1077, 1179, 1329-1330, 1477, 1 1822, 1827, 1924, 2062, 2218, 2 3009, 3118, 3139, 3380, 3482, 4113
CELL FRACTIONATION: 568, 1335, 1618, 1698, 1802, 2123, 3710, 3763
CELL-FREE SYSTEM: 325, 568, 1715, 2876, 2891, 3256, 3457,
CELL FUSION: 4025, 4180
CELL LINE: 50, 59, 292, 303, 1206, 1716, 1741, 1786, 1924, 2564, 2631, 2755, 3118, 3139, 3740, 3798, 3879, 4025, 4080
CELL MEMBRANE: 47, 62, 64, 499, 702, 763, 958, 1003, 1076, 1449, 1505, 1617, 1704, 1786, 2062, 2108, 2123, 2143, 2145, 2319, 2436, 2452, 2534, 2578-2579, 3064, 3135, 3207, 3249, 3294, 3396, 3419, 3461, 3483, 3614, 3756, 3816, 3848, 3859, 3861, 4122, 4139, 4156, 4163, 4180,
CELL MEMBRANE PERMEABILI 395, 582-583, 849, 1361, 1684, 2319, 2744, 2931, 3209, 3472,
CELL MIGRATION INHIBITION: 1045, 1625, 2032, 3862, 4060-4061
CELL MOVEMENT: 1760, 2018, 3337, 4224
CELL NUCLEOLUS: 79, 810, 2530, 2812, 2829, 3150, 3424,
CELL NUCLEUS: 125, 203, 247, 513, 538, 603, 627, 810, 849, 1335, 1398, 1618, 1680, 1852-2026, 2052, 2117, 2129, 2141, 2518, 2612, 2629, 2676, 2714, 3028, 3217, 3251, 3424, 3483, 3769, 3815, 3873, 3886, 3964, 4194, 4256, 4274

LIBRARY U. OF L. URBANA-CHAMPAIGN

TION: 1556, 2293, 3337, 3954
AL: 231, 771, 1077, 2123, 3046, 4020
ORMATION, NEOPLASTIC: 50,
96, 2001, 2062, 2108, 2531, 2755,
72, 3879
247, 2129, 2219, 2426
2809
755, 2952, 3732
TRED: 50, 73, 106, 154, 231, 292,
673, 979, 1077, 1112, 1192, 1220,
41, 1852, 1857, 1859, 1878, 1786,
97, 2062, 2117, 2267, 2334, 2353,
74-2575, 2898, 3021, 3023, 3163,
67, 3371, 3380, 3396, 3437,
5, 3603, 3613, 3792, 3937, 3954,
13, 4131, 4147, 4180
CLUSIONS: 247, 639, 1114, 1651,
11, 2612, 2723, 2880, 2932, 4006
905
071, 3038, 3371
VOUS SYSTEM: 97, 104, 178-179,
571, 589, 951, 1176, 1225, 1378,
10, 2077, 2722, 3344, 3524, 3562,
VOUS SYSTEM DISEASES: 137,
OUS PRESSURE: 913, 1880, 2591,
ION: 67, 234, 1335, 1953, 3330,
ION, DENSITY GRADIENT: 62,
408, 603, 641, 763, 810, 861, 959,
01, 1200, 1335, 1572, 1650, 1734,
1900, 1907, 2184, 2384, 2506,
12, 2071, 3085, 3135, 3196, 3262,
81, 3419, 3438, 3505, 3635,
3752, 3756, 3763, 3783, 3798,
83, 4049, 4214
ION, ZONAL: 2504
77, 1289, 2947, 3074, 3317, 3839
Y: 71, 905, 1190, 3097, 3381
1057
1841, 1630, 1666, 2668
CORTEX: 496, 1448, 3092, 3177
NEOPLASMS: 2869
NUCLEI: 496
184, 177, 507, 1219, 1811, 1850,
84, 2849, 3514-3516, 4037, 4203
EURYSM: 581, 1658, 2189
GIOGRAPHY: 44, 221, 1038, 1091,
83, 2794, 2843, 3001, 3089
UEDUCT: 338, 581, 2989
TERIES: 221, 581, 1438, 2463, 3749
TERIOSCLEROSIS: 3301
TERIOVENOUS
IONS: 581, 3089
TERY DISEASES: 1334, 2463, 2843
RTEX: 104, 107, 180, 182, 298, 478,
1943, 1165, 1205, 1225, 1305, 1525,
83, 1633, 1699, 1852, 2012, 2015,
45, 2158, 2221, 2257, 2495, 2711,
95, 2974, 2982, 3020, 3221,
, 3350, 3393, 3514-3516, 3533, 3630,
36-4037, 4196
RTEX DECORTICATION: 1774,
BOLISM AND THROMBOSIS: 1038,
MORRHAGE: 496, 1098, 1423, 2989,
HEMIA, TRANSIENT: 2995
NTRICLE NEOPLASMS: 406, 1086,
39, 3770
NTRICLES: 35, 116, 124, 256, 344,
741, 917, 1178, 1442, 1655, 2077,
23, 2864, 2948, 3017, 3102, 3129,
70, 4145
428
L FLUID: 1818, 2753, 2864, 3444,
L FLUID PROTEINS: 44, 2272,
97
L RHINORRHEA: 4287
ULAR CIRCULATION: 182, 280,
ULAR DISORDERS: 1334, 1658,
91, 3462, 4250
PIES: 192
CERULOPLASMIN: 540, 1008
CERVICAL PLEXUS: 31, 46
CERVICAL VERTEBRAE: 1016
CERVICITIS: 1358
CERVICO-BRACHIAL NEURALGIA: 2679
CERVIX MUCUS: 60, 284, 715, 1921, 2033, 2043, 3146, 3478, 3574
CERVIX NEOPLASMS: 50, 193, 464, 801, 1149, 1952, 1958, 2687, 2810, 2862, 2905, 2926, 3167, 3179, 3375, 3447, 4080
CERVIX UTERI: 446, 717, 995, 2262, 2926, 4080, 4274
CESAREAN SECTION: 935, 952, 1277, 2137, 2450, 3343, 3745, 4200
CESIUM: 3635, 3797
CESIUM ISOTOPES: 192, 1721, 3220
CESTODA: 161-162, 2706
CESTODE INFECTIONS: 161-162
CETYLPYRIDINIUM: 1800
CEYLON: 3992
CHALONES: 708
CHARCOAL: 476, 1431, 1578, 1661, 1785, 2824, 2950, 3070, 3371
CHEESE: 1159
CHELATING AGENTS: 508, 520, 1450, 1570, 1654, 1811, 1868, 2889, 4006
CHEMICAL INDUSTRY: 43
CHEMISTRY: 23, 76, 215, 403, 515, 556, 695, 733, 792, 809, 901, 1040, 1048, 1101, 1206, 1276, 1302, 1329-1330, 1354, 1405, 1653, 1675, 1718, 1723, 1728, 1733, 1789, 1881, 1929, 2074, 2076, 2246-2247, 2251, 2339, 2452, 2607, 2845, 2895, 2897, 3169-3170, 3308, 3328, 3392, 3510, 3588, 3714, 3753, 3780, 3909, 3988, 4022
CHEMISTRY, ANALYTICAL: 548, 2128, 3488
CHEMISTRY, CLINICAL: 2128
CHEMISTRY, ORGANIC: 2019, 2997
CHEMISTRY, PHYSICAL: 1620, 2845
CHEMORECEPTORS: 571, 2015, 2081, 2362, 2546, 3698, 3823, 3984
CHEMOSTERILANTS: 3652
CHEMOTAXIS: 346, 404, 1862, 2563, 2728, 4055, 4093
CHIARI-FROMMEL SYNDROME: 1481, 2936
CHICAGO: 837
CHICK EMBRYO: 40, 73-74, 173, 203, 283, 340, 495, 644, 924, 1437, 1603, 1617, 2276, 2324, 2371, 2408, 2503, 2517, 2550, 2633, 2670, 2730-2731, 2849, 3517, 3522, 3826, 3954, 3976, 4094
CHICKENPOX: 360
CHICKENS: 37, 56, 80, 100, 183, 190, 196-197, 279, 296, 301, 422, 443, 445, 547-548, 615, 706, 710, 713, 774, 795, 852, 918, 1151, 1268, 1297, 1400, 1489, 1574, 1603, 1624, 1662, 1677, 2186, 2224, 2261, 2285, 2304, 2344, 2368, 2419-2420, 2487, 2509, 2527, 2533, 2547, 2647, 2670, 2694, 2706, 2718, 2748, 2793, 2979, 3019, 3038, 3165, 3260-3261, 3272, 3304, 3313, 3372, 3374, 3522, 3532, 3608, 3636, 3810, 3819, 3838, 3891, 4002, 4166, 4209
CHILD: 2, 5, 7, 33, 42, 58, 70-71, 93, 111, 128, 138, 141, 175-176, 208, 215, 236, 245, 265, 342, 359, 364, 392, 396, 418, 420, 424, 451, 466, 533, 554, 654-655, 657, 670, 689, 693, 719, 738-739, 747, 766-767, 777, 794, 805, 808, 837, 844, 874-875, 882, 924, 932, 956, 975, 979, 984, 1039, 1044, 1080, 1085-1086, 1134, 1136, 1140, 1147, 1150, 1154, 1161, 1163, 1200, 1217, 1237, 1244, 1246, 1260, 1262, 1288, 1298, 1316, 1345, 1349, 1392-1393, 1402, 1404, 1417, 1444, 1472, 1479, 1482, 1486, 1511, 1520, 1537, 1543, 1573, 1622, 1649, 1663, 1686, 1690, 1700, 1711, 1720, 1771, 1775, 1791, 1836, 1865, 1890-1891, 1926, 1942, 1957, 1994, 1997, 2001, 2020, 2066, 2073, 2096, 2127, 2149-2150, 2183, 2195, 2208, 2212, 2239, 2252, 2292, 2309, 2332, 2335, 2350, 2375, 2398, 2406, 2437, 2445, 2486, 2492, 2513, 2551, 2553, 2563, 2622, 2667, 2686, 2688, 2693, 2699, 2764, 2819, 2825, 2827-2828, 2832-2833, 2846, 2856, 2872, 2877, 2887-2888, 2893, 2909-2910, 2934, 2943, 2962, 2983, 3002, 3007, 3012, 3029, 3037, 3078, 3086, 3094-3095, 3101, 3110, 3132, 3154, 3164, 3191, 3215, 3235, 3272, 3279, 3326, 3370, 3392, 3421, 3425, 3429, 3435, 3450, 3458, 3477, 3557, 3565, 3584, 3594-3595, 3627-3628, 3649-3650, 3675, 3682, 3706, 3708, 3711, 3718, 3762, 3765, 3778, 3782, 3785, 3800, 3811, 3818, 3843, 3868, 3876-3877, 3881, 3888, 3905, 3910, 3917, 3935, 3979, 3987, 3995, 4016, 4018, 4067, 4130, 4137, 4161, 4165, 4218, 4275, 4282, 4288
CHILD BEHAVIOR DISORDERS: 175
CHILD DEVELOPMENT: 396, 441, 3425, 3765, 4208
CHILD NUTRITION: 1711, 3995
CHILD, PRESCHOOL: 7, 21, 24, 58, 71, 93, 128, 171, 175, 199, 208, 215, 245, 265, 289, 359, 392, 396, 418, 424, 442, 451, 533, 654, 663, 670, 687, 689, 721, 777, 808, 874-875, 882, 924, 966, 979, 984, 1039, 1044, 1081, 1086, 1134, 1140, 1147, 1150, 1154, 1163, 1200, 1217, 1262, 1289, 1306, 1338, 1351, 1392, 1401-1402, 1404, 1417-1418, 1424, 1444, 1472, 1482, 1537, 1543, 1663, 1686, 1690, 1711, 1720, 1763, 1771, 1775, 1782, 1791, 1818, 1890, 1994, 2020, 2035, 2066, 2073, 2127, 2146, 2149, 2212, 2239, 2252, 2281-2282, 2317, 2332, 2335, 2350, 2375, 2378, 2398, 2406, 2486, 2492, 2601, 2622, 2762, 2825, 2828, 2851, 2893, 2910, 2934, 2945, 2983, 3012-3013, 3049, 3095, 3097, 3132, 3154, 3164, 3211, 3272, 3279, 3284, 3326, 3370, 3381, 3392, 3425, 3429-3430, 3450-3451, 3458-3459, 3477, 3495, 3498, 3545, 3557, 3584, 3627, 3649, 3692, 3705, 3708, 3711, 3762, 3785, 3800, 3818, 3846, 3877-3878, 3881, 3888, 3910, 3979, 4067, 4103, 4124, 4141, 4165, 4167, 4217
CHILD PSYCHOLOGY: 3651, 3765
CHIMPANZEES: 379
CHIN: 2736
CHINA: 1103, 2964
CHINCHILLAS: 3947
CHIROPTERA: 22, 908, 2942, 3722
CHLAMYDOMONAS: 1372
CHLORAL HYDRATE: 2387
CHLORALOSE: 1474
CHLORAMBUCIL: 638, 834, 1133, 1454, 4101, 4133, 4235
CHLORAMINES: 684, 1616, 2452
CHLORAMPHENICOL: 216, 1296, 1600, 2088, 2372
CHLORATES: 729
CHLORCYCLIZINE: 3067
CHLORIDES: 122, 727, 737, 988, 1000, 1015, 1043, 1104, 1369, 1587, 1615, 1755, 2173, 2258, 2480, 2633, 3263, 3300, 3368, 3454, 3574, 3635, 4055, 4077, 4219
CHLORINE: 652, 1099, 1510, 2605, 3510, 3612, 4219
CHLORISONDAMINE: 3667
CHLORMADINONE: 1879, 2043, 2805, 4023, 4129
CHLOROFORM: 594, 1601, 1728, 1939, 2808
CHLOROMERCURIBENZOATES: 1274, 3677, 3734, 4156
P-CHLOROPHENYLALANINE: 20, 286, 630, 681, 817, 839, 1225, 1793, 2038, 2199, 2735, 2958, 3199, 3336, 3518, 3554, 4146, 4212-4213
CHLOROQUINE: 404, 1860
CHLOROTHIAZIDE: 1426, 2443, 4236
CHLOROTRIANISENE: 2187
CHLORPHENIRAMINE: 215, 1181, 1674, 3040
CHLORPHENOXAMINE: 3161
CHLORPHENTERMINE: 2311
CHLORPROMAZINE: 571, 900, 916, 944, 1654, 1699, 1893-1894, 2014, 2441, 3023, 3354, 3362, 3422, 3562, 3629, 3905
CHLORPROPAMIDE: 1252, 1404, 3910
CHLORTETRACYCLINE: 2702, 3829
CHOLANES: 695
CHOLANGIOMA: 4168
CHOLANGITIS: 2207
CHOLECALCIFEROL: 191, 862, 1592, 2022, 2222, 2309, 2368, 2547, 2931, 2944, 3183, 3397-3398, 3891, 4048
CHOLECYSTECTOMY: 930, 2892, 3448
CHOLECYSTITIS: 930
CHOLECYSTOGRAPHY: 1058
CHOLECYSTOKININ: 382, 915, 1898
CHOLERA: 1862, 1967, 3513
CHOLESTANES: 348, 1269
CHOLESTASIS: 189, 2991
CHOLESTEATOMA: 465
CHOLESTENES: 348, 996, 1269, 3331
CHOLESTEROL: 7, 76, 95, 164, 189, 248, 259, 300, 348, 447, 454, 539, 551, 695, 773, 785, 825-826, 899, 996, 1080, 1114, 1178, 1234, 1269, 1288, 1301, 1420, 1472, 1509, 1618, 1688, 1690, 1706, 1850, 1992, 2136, 2163, 2165, 2305, 2339, 2345, 2507, 2624, 2793, 2811, 2844, 2988, 2991, 3224, 3305, 3418, 3426, 3476, 3502, 3504, 3575, 3660, 3691, 3693, 3787, 3810, 3813, 3866, 3924, 3945, 4058, 4116, 4162
CHOLESTEROL, DIETARY: 1174
CHOLESTYRAMINE: 300, 2915, 4057
CHOLIC ACID: 2929

CHOLINE: 179, 335, 883, 1556, 1656, 1695, 2257, 3170
CHOLINESTERASE: 456, 1288, 1457, 1564, 2058, 2165, 3145, 3372
CHOLINESTERASE INHIBITORS: 261, 2102, 2430
CHONDROCALCINOSIS: 2330, 2654, 2953
CHONDROITIN: 2008, 2132, 2331, 3003, 3986
CHONDROMA: 2189, 2686
CHORDOMA: 2189
CHORDOTOMY: 324, 1070, 3823
CHOREA: 1554
CHOREA, HEREDITARY: 4197
CHORIOCARCINOMA: 7, 937, 1314, 1367, 1393, 1499, 2827, 2862, 2950, 3236, 3242, 3375, 3553, 4026, 4263
CHORISTOMA: 2575
CHOROID: 575, 1239
CHOROIDITIS: 4075
CHRISTMAS DISEASE: 2762, 3127, 3211
CHROMAFFIN SYSTEM: 195, 239, 560, 1430, 2215, 2512, 3438, 3491, 3550, 3562
CHROMATES: 1857
CHROMATIDS: 3150, 3696
CHROMATIN: 379, 627, 810, 1131, 1852-1853, 1919, 2714, 3424
CHROMATIUM: 1931
CHROMATOGRAPHY: 5, 40, 110, 137, 393, 474, 578, 594, 596, 804, 857, 901, 1010, 1149, 1187, 1250, 1320, 1468, 1750, 1832, 2094, 2103, 2276, 2299, 2374, 2381, 2507, 2535, 2767, 2770, 3095, 3377, 3392, 3839, 3891, 3904, 4003, 4074, 4207
CHROMATOGRAPHY, AFFINITY: 171, 763, 1304, 3614, 3922
CHROMATOGRAPHY, DEAE-CELLULOSE: 62, 278, 296, 472, 597, 977, 1044, 1284, 1327, 1572, 1592, 1685, 1737, 1901, 1981, 2101, 2103, 2276, 2385, 3249, 3262, 3325, 3348, 3488, 3549, 3819, 3982, 4049, 4074
CHROMATOGRAPHY, GAS: 16, 48, 110, 246, 271, 299, 364, 388, 432, 474, 567, 606, 788, 794, 901, 974, 996, 1049, 1189, 1243, 1249-1250, 1271, 1310, 1366, 1461, 1502, 1578, 1646, 1750, 1930, 1992, 2227, 2302, 2407, 2450, 2484, 2528, 2609, 2875, 2887-2888, 2929, 2972, 3030, 3065, 3074, 3258, 3345, 3460, 3488, 3533, 3580, 3610, 3704, 3753, 3767, 3786-3787, 3839, 3909, 4062, 4248
CHROMATOGRAPHY, ION EXCHANGE: 23, 59, 172, 220, 318, 471, 476, 813, 923, 959, 977, 980, 1031, 1219, 1417, 1431, 1452, 1513, 1544, 1685, 1736, 1767, 1795, 1810, 1868, 1912, 1977, 2103, 2110, 2186, 2276, 2304, 2379, 2518, 2619, 2715, 3085, 3119, 3239, 3249, 3276, 3405, 3540, 3572, 3580, 3683, 3699, 3714, 3780, 3821, 4187
CHROMATOGRAPHY, PAPER: 72, 83, 91, 220, 260, 480, 497, 506, 586, 858, 959, 1089, 1249-1250, 1271, 1280, 1390, 1553, 1607, 1750, 1931, 1936, 2003, 2110, 2117, 2170, 2186-2187, 2251, 2384, 2787, 3045, 3059, 3262, 3348-3349, 3505, 3574, 3610, 3670, 3703, 3740, 3750, 3780, 3909, 3990, 4049, 4074, 4097
CHROMATOGRAPHY, THIN LAYER: 83, 97, 110, 134, 220, 234, 318, 432, 467, 474, 506, 564, 567, 578, 596, 606, 707, 792, 800, 910, 996, 1010, 1073, 1123, 1151, 1216, 1249, 1271, 1308, 1310, 1390, 1468-1469, 1578, 1601, 1607, 1633, 1646, 1664, 1723, 1751, 1889, 1939, 1962, 1967, 1986, 2022, 2110, 2170, 2187, 2196, 2227, 2270, 2318, 2353, 2377, 2384, 2452, 2468, 2507, 2529, 2537, 2568, 2614, 2627, 2711, 2729, 2870, 3030, 3065, 3083, 3092, 3172, 3208, 3216, 3224, 3239, 3276, 3302, 3320, 3345, 3460, 3488, 3492, 3502, 3580, 3586, 3610, 3683, 3708, 3738, 3756, 3786-3787, 3839, 3896, 3898, 3909, 3920, 3966, 4001, 4038, 4062, 4093, 4125, 4158, 4248
CHROMATOPHORES: 226, 1090, 3113, 3926, 3958
CHROMIUM-COBALT ALLOYS: 1208, 2668
CHROMIUM ISOTOPES: 547-548, 1282, 1522, 1552, 1721, 2334, 3043, 3475, 4021
CHROMOGRANINS: 1631
CHROMOSOME ABERRATIONS: 113, 282, 337, 789, 1037, 1323, 1392, 1494, 1580, 1608, 1652, 1946, 1956, 2001, 2023, 2208, 2235, 2315, 2451, 2564, 2762, 3010, 3090, 3136, 3160, 3245, 3652, 3682, 3836, 4053, 4218
CHROMOSOME ABNORMALITIES: 42, 398, 409, 1145, 1237, 1323, 1508, 1641, 1652, 1763, 1801, 1836, 1940, 1957, 2023, 2675, 2909, 3060, 3090, 3640, 3682, 3696, 3854, 4040, 4053, 4155, 4300
CHROMOSOME MAPPING: 105, 269, 1568, 2188, 2564, 2942, 3366, 3671
CHROMOSOMES: 113, 284, 379, 1573, 2023, 2220, 2303, 2564, 2755, 2932, 2942, 3009, 3150, 3798, 3836, 4194, 4300
CHROMOSOMES, BACTERIAL: 3100
CHROMOSOMES, HUMAN, 1-3: 379, 1608, 2505
CHROMOSOMES, HUMAN, 4-5: 379, 3682
CHROMOSOMES, HUMAN, 6-12: 379, 1580, 1763, 2675, 2762, 4053, 4218
CHROMOSOMES, HUMAN, 13-15: 379, 1145, 1392, 3245, 3682, 4053
CHROMOSOMES, HUMAN, 16-18: 379, 1763, 2208, 2505, 3682
CHROMOSOMES, HUMAN, 19-20: 379
CHROMOSOMES, HUMAN, 21-22: 21, 1392, 1580, 1957, 2315, 3245, 3682
CHRONIC DISEASE: 41, 118, 121, 185, 290, 416, 510, 654, 673, 930, 1028, 1407, 1686, 1964, 2042, 2165, 2405, 2414, 2481, 2646, 2729, 2928, 3033, 3326, 3642, 3694, 3707, 3747, 3885, 3911, 4247
CHYLOMICRONS: 826, 3418, 3476, 3693
CHYMOTRYPSIN: 397, 480, 517, 915, 1544, 1931, 3348-3349, 3540, 3780, 4118
CHYMOTRYPSINOGEN: 651
CICATRIX: 2044, 2465, 2943, 3187
CILIA: 247, 902, 1568
CILIARY BODY: 2629
CILIATA: 247, 2889
CINEANGIOGRAPHY: 3746
CINNAMATES: 770
CIRCADIAN RHYTHM: 15, 48, 99, 114, 181, 275, 304, 385, 420, 430, 730, 756, 932, 1223, 1259, 1446, 1761, 1840, 1970, 2017, 2020, 2030, 2060, 2077, 2124, 2175, 2210, 2259, 2326, 2361, 2444, 2464, 2477, 2497, 2647, 2768, 2779, 2822, 2856, 2925, 2975, 2980-2981, 3327, 3351, 3354, 3385, 3492, 3571, 3701, 3801, 3921, 3927, 3984, 4097, 4116
CIRCLE OF WILLIS: 2843
CIRCULAR DICHROISM: 447, 1733, 1908, 1931, 2529, 2984, 2996, 3320-3321, 3386
CISTERNA MAGNA: 1712, 2864
CITRATES: 23, 961, 1689, 1842, 2091, 2496, 2656, 3083
CITROVORUM FACTOR: 638, 701, 1678
CLAVICLE: 600, 3952
CLEFT PALATE: 2005, 3067, 3509
CLIMACTERIC: 4-5, 773, 1759, 2122, 3056, 3225, 3658, 3955, 4260
CLIMATE: 2149
CLINDAMYCIN: 1057, 1679
CLINICAL RESEARCH: 13, 208, 354, 434, 440, 685, 766, 895-896, 938, 1021, 1024, 1028, 1054, 1100, 1163, 1183, 1254, 1288, 1536, 1686, 1835, 2011, 2356, 2585, 2701, 3013, 3080, 3095, 3097, 3144, 3383, 3394, 3451, 3903, 3933
CLITORIS: 3639, 3811
CLOACA: 495, 1615
CLOFIBRATE: 300, 764, 953, 1404, 2915
CLOMIPHENE: 60, 70, 715, 973, 1003, 1168, 1291-1293, 1453, 1481, 1921, 1979, 2344, 2856, 2935, 2977, 3478, 3632, 3951, 3994, 4228
CLONE CELLS: 337, 748, 768, 927, 1076, 1477, 1716, 1749, 1822, 1878, 2218, 3196, 3396, 3792, 4180, 4214
CLONIDINE: 386, 742, 4069
CLOSTRIDIOPEPTIDASE A: 23, 1031, 2357, 2669
CLOSTRIDIUM: 1031, 2088
CLOSTRIDIUM PERFRINGENS: 763, 3317
CLOT RETRACTION: 2319
CLOXACILLIN: 1674, 2646, 2945
CLUBFOOT: 1949
COAL MINING: 1389, 3911
COBALT: 509, 1620, 1811, 2803, 3454, 3702, 3858
COBALT ISOTOPES: 146, 2083, 2670, 3220, 3696, 3858
COCAINE: 2081, 2116, 4118
COCHLEA: 203, 1693
COCHLEAR NERVE: 203, 720
COELENTERATA: 3538, 3702
COENZYME A: 1178, 3137
COGNITION: 80, 820, 935
COGNITION DISORDERS: 1940, 3035, 3485
COITUS: 11, 773, 950, 976, 992, 1146, 1293, 1613, 2658, 2791-2792, 3167
COLCHICINE: 283, 1552, 2654, 4073, 4113, 4259
COLD: 152, 181, 216, 472, 499, 504, 569, 613, 657, 662, 712, 770, 960, 1245, 1403, 1556, 1621, 1688, 2199, 2298, 2432, 2446, 2704, 3667, 3981
COLECTOMY: 1932
COLIC: 1412
COLICINS: 289, 1900
COLIPHAGES: 289, 703, 1577, 2101, 3624
COLITIS, ULCERATIVE: 3050
COLLAGEN: 23, 107, 352-353, 813, 9 1070, 1150, 1318, 1642, 2069, 2144, 2313, 2338, 2559, 2684, 2780, 2900, 3424, 3675, 3698, 3986, 3999, 4004,
COLLAGEN DISEASES: 293, 1150, 1 3186-3187
COLLATERAL CIRCULATION: 2843
COLLOIDS: 1980, 3453, 3801, 4163
COLOBOMA: 398, 1983
COLON: 582, 1164, 1285, 1400, 1408, 2748, 3793, 3850
COLONIC NEOPLASMS: 39, 768, 86 3050
COLOR: 891, 1057, 1611
COLOR BLINDNESS: 381, 2895
COLOR PERCEPTION: 1397
COLORIMETRY: 494, 918, 1409, 189 2929, 3307, 3328, 3438, 3488, 3896
COLOSTRUM: 431, 2193
COMA: 4138
COMB AND WATTLES: 183, 710, 1 2979, 3165
COMMON BILE DUCT: 3813
COMMON COLD: 969
COMPARATIVE STUDY: 4, 16, 64, 354, 489, 494, 512, 536, 541, 604, 813, 846, 896, 945, 1172, 1206, 120 1305, 1310, 1417, 1443, 1452, 1527, 1661, 1743, 1745, 1835, 1922, 2038, 2199, 2225, 2253, 2339, 2356, 2368, 2508, 2561, 2583, 2819, 2832, 2835, 2755, 2785, 2787, 2804, 2836, 2924 3083, 3119, 3205, 3298, 3345, 3371 3456, 3499, 3504, 3527, 3622, 3654 3845, 3933, 4065, 4070, 4104, 4175 4245-4246
COMPLEMENT: 613, 1718, 2352, 3 4098, 4180
COMPLEMENT FIXATION TESTS: 673, 776, 1590, 1631, 2553, 3271, 4172
COMPOUND 48-80: 1281, 3687
COMPREHENSIVE HEALTH CARE
COMPUTERS: 2848
COMPUTERS, ANALOG: 2817
COMPUTERS, DIGITAL: 730, 909, 3437, 3729
CONCANAVALIN A: 1924, 2106, 2
CONDIMENTS: 998, 1052
CONDITIONING, CLASSICAL: 228 1699, 2620
CONDITIONING, OPERANT: 181, 1165, 1312, 1550-1551, 1681, 1933 2179, 2413, 3573, 3700, 3758, 383 4211
CONDITIONING (PSYCHOLOGY):
CONFLICT (PSYCHOLOGY): 4146
CONGRESSES: 2685
CONJUGATION, GENETIC: 289, 1
CONJUNCTIVITIS: 359
CONNECTIVE TISSUE: 107, 136, 827, 862, 2049, 2252, 2313, 2685, 3
CONNECTIVE TISSUE CELLS: 1 4152, 4193
CONSANGUINITY: 789, 1401
CONSCIOUSNESS: 93, 935, 2077,
CONSTIPATION: 1732, 3793
CONSTRICTION: 439, 1804, 1864,
CONSUMMATORY BEHAVIOR: 3
CONTACT LENSES: 466
CONTRACEPTION: 339, 361, 697, 3212, 3283
CONTRACEPTIVE AGENTS: 1416
CONTRACEPTIVE DEVICES: 45, 1913, 2964, 3869, 3978, 4199
CONTRACEPTIVES, ORAL: 13, 259, 262, 281, 338-339, 409, 412, 466, 477, 490, 588, 601, 609, 69 819, 835, 994, 1006, 1038, 1156, 1236, 1253, 1300-1301, 1359, 141 1458, 1545, 1625, 1637, 1643, 16 1903, 1913, 1935, 1976, 2061, 21 2535, 2611, 2682-2683, 2689, 280 2843, 2918, 2955, 2964, 2991, 30 3212, 3220, 3283, 3392, 3436, 34 3574, 3632, 3634, 3647, 3674, 37

LIBRARY U. OF L. URBANA-CHAMPAIGN

SUBJECT INDEX

3885, 3974, 3978, 3992, 4019, 4045, 4231, 4250, 4270-4271, 4274, 4283,

TIVES, POSTCOITAL: 217, 377, 994, 3212, 4291
RE 2066
MEDIA: 78, 580, 808, 1058, 1438, 2645 359, 854
IS: 90, 137, 182, 933, 1245, 1305, 3047, 3052, 3204, 3524, 3952
ND EATING UTENSILS: 4278
ST: 238, 1439, 1522, 1829, 2341, 4066,

, 739, 819, 947, 1008, 1123, 1413, 066, 2033, 2119, 2423, 3146, 3424 3157
, 307, 749, 894, 1287, 1508, 1993, 4218-4219
PACITY: 231
CER 876, 1506
CIRCULATION: 225, 449, 1545, 2172,

DISEASE: 218, 259, 785, 1041, 1174, 1897, 1998, 2285, 3461, 3885
VESSELS: 449, 1182, 1545, 2190, 2215
LLOSUM: 1115, 2796, 3770
TEUM: 11, 166, 169, 377, 660, 677, 3, 804, 1003, 1170, 1286, 1335-1336, 1560, 1593, 1702, 1708, 1778, 1943, 2155, 2423, 2612, 2636, 2713, 2883, 3135, 3297, 3600, 3882, 4059, 4254
TEUM CYST: 4107
TEUM HORMONES: 938
IATUM: 107, 507, 571, 742, 1078, 3514, 3516, 4012, 4036
1202
ESYNCHRONIZATION: 2158, 2912,

YNCHRONIZATION: 2158, 3578
RONE: 91, 181, 228, 362, 421, 439, 1, 59 594, 675, 683, 745, 790-791, 865, 911, 1032, 1059, 1110, 1188, 1239, 1449, 1461-1462, 1509, 1664, 1848, 1853, 1867, 1914, 1995, 161, 2240, 2246-2247, 2325, 2357, 2396, 2507, 2536, 2567, 2584, 2614, 2636, 2680, 2757, 2763, 2765, 2877, 2927, 82, 3216, 3315, 3351, 3422, 3570, 3766, 3759, 3810, 3884, 3947, 3975,

PIN: 108, 111, 181-182, 237, 245, 310, 382-383, 421, 425, 439, 476, 507, 633, 653-655, 683, 718, 754, 832, 881, 890, 927, 943, 1014, 1059-1060, 1110, 1115, 1129, 1171, 1212, 1248, 1375, 1406, 1449-1450, 1472, 1504-1505, 1615, 1710, 1715, 1761-1762, 1765, 1853, 1895, 1978, 2017, 2019, 2052, 65 2077, 2092, 2097, 2119, 2156, 2198, 2209, 2322, 2357, 2425, 2453, 2473, 2482, 2509, 2514, 2536, 2549, 2595, 2599, 2601, 2667, 2671, 2712, 2765, 2884, 2918, 2968, 2975, 3004, 59, 3166, 3344, 3351, 3354, 3410, 3483, 3481, 3517, 3531, 3542, 33, 3629, 3730, 3759, 3766, 3777, 3943, 3884, 3896, 3921, 3934, 3957, 4015, 4062, 4076, 4184, 4201, 4217,

PIN RELEASING FACTOR: 355, 943, 2019, 2077, 2325, 2640, 3344, 3422,

3, 36, 131, 148, 164, 185, 308, 396, 760-780, 781, 799, 863, 1050, 1072, 1271, 1274, 1297, 1320, 1415, 1498, 1701, 1743, 1749, 1752, 1765, 1839, 2044, 2062, 2134, 2218, 2294, 2322, 2515, 2518, 2601, 2706, 2743, 2943, 3143, 3229, 3337, 3509, 3721, 3844, 21, 4162, 4234
TERIUM: 1515, 2272, 2661
TERIUM ACNES: 2219
TERIUM INFECTIONS: 2219, 2637
TERIUM PYOGENES: 1515, 2637
279
COST ANALYSIS: 697, 3363, 3742

1004, 3033
2215, 2908
RENT DISTRIBUTION: 1460, 3348

COURTSHIP: 628-629, 650
COXSACKIE VIRUSES: 1206
CRABS: 426, 1090, 1583, 1923
CRANIAL FOSSA, POSTERIOR: 2249, 3521
CRANIAL NERVES: 538, 2849, 2893
CRANIAL SINUSES: 581
CRANIOFACIAL DYSOSTOSIS: 235, 687, 1091, 2144
CRANIOMETRY: 1091
CRANIOPHARYNGIOMA: 145, 163, 406, 462, 465, 1086, 1091, 1098, 1486, 1658, 1762, 1891, 2189, 2828, 3627, 3770, 3945
CRANIOSYNOSTOSES: 2146, 4218
CRANIOTOMY: 2434, 4099
CRAYFISH: 1090, 1923
CREATINE: 216, 2872
CREATINE KINASE: 216, 875, 1742, 2438, 2872, 3296, 3668
CREATININE: 41, 123, 134, 137, 187, 254, 267, 302, 405, 440, 527, 613, 670, 942, 1000, 1167, 1172, 1195, 1211, 1230, 1261, 1417, 1628, 1649, 1804, 1806, 1910, 1968, 2286, 2316, 2331, 2370, 2565, 2651, 2672, 2719, 2986, 3026, 3134, 3161, 3329, 3596, 3801, 3868, 4070, 4210
CRETINISM: 263, 526, 721, 843-844, 1080-1081, 1563, 1567, 1690, 2006-2007, 3012-3013, 3096-3097, 3112, 3526, 3660, 3878, 4208, 4261
CREUTZFELDT-JAKOB DISEASE: 1557
CRIME: 1092
CRIMINAL PSYCHOLOGY: 1079, 1092
CROP, AVIAN: 585, 1908
CROSS-CULTURAL COMPARISON: 1233
CROSS INFECTION: 3743
CROSS REACTIONS: 39, 47, 156, 240, 382, 436, 556, 682, 713, 904, 923, 1137, 1578, 1661, 1844, 1907, 1929, 2250, 2515, 2652, 2870, 3072, 3584, 4175
CROSSES, GENETIC: 206, 660, 3152, 4028
CROSSING OVER (GENETICS): 1037
CROTON OIL: 3654, 4216
CROWDING: 1255
CRUSTACEA: 1518, 3150, 3209, 3588
CRUTCHES: 2490
CRYING CAT SYNDROME: 1323, 3682
CRYOGENIC SURGERY: 466, 499, 1606, 4099
CRYOPROTECTIVE AGENTS: 892
CRYOTHERAPY: 634
CRYPTOCOCCOSIS: 2795, 3473
CRYPTOCOCCUS: 2795
CRYPTOCOCCUS NEOFORMANS: 2795, 3473
CRYPTORCHISM: 70, 771, 1865, 1977, 2320, 2622, 2838, 2932, 2983, 3168, 3435, 3477, 3584, 3670, 4218
CRYSTALLIZATION: 247, 499, 642, 674, 910, 954, 1010, 1051, 1518, 1541, 1664, 1797, 2227, 2330, 2654, 2891, 3424, 3780, 4062, 4109
CRYSTALLOGRAPHY: 515
CUES: 198, 1210, 2791, 2957
CULEX: 1428, 3365
CULTURE: 2964, 3878
CULTURE MEDIA: 154, 292, 351, 500, 703, 1153, 1187, 1271, 1372, 1488, 1786, 1813, 1822, 1900, 1941, 1981, 2334, 2426, 2633, 2826, 2940, 2947, 3100, 3345, 3437, 3473, 3632, 3750, 3963, 4003, 4133
CURARE-LIKE AGENTS: 372, 479, 498, 552, 686, 1362, 1521, 1656, 1939, 2430, 2458, 2565, 2924, 3902
CURETTAGE: 3220, 3421, 3870
CURRENT BIOG-OBIT: 310, 369-370, 484-485, 851, 853, 1029-1030, 1988-1989, 3387-3388, 3463, 4178-4179, 4184
CUSHING'S SYNDROME: 399, 653, 858, 1129, 1190, 1320, 1446, 1548, 1727, 1875, 2061, 2171, 2322, 2464, 2514, 2754, 2777, 2859, 2884, 3131, 3344, 3445, 3536, 3820, 3900, 3921, 3938, 4063, 4143
CUSPID: 71
CYANATES: 540, 1155, 1363, 1814
CYANIDES: 325, 540, 686, 1072, 1648, 2372, 2894, 3256, 3565, 3823, 4225
CYANOGEN BROMIDE: 23, 72, 480, 2110, 2251, 2972, 3348-3349, 3780
CYANOSIS: 1414, 3448
CYCLAMATES: 2220
CYCLIC P-OXIDES: 3683
CYCLIC S-OXIDES: 2296
CYCLIZATION: 83, 1101, 2246-2247, 2329, 2417, 2501, 2649-2650
CYCLIZINE: 3040

CYCLOHEXANE: 2590
CYCLOHEXIMIDE: 278, 296, 838, 1072, 1500, 1580 1600, 1644, 1853, 1987, 2062, 2131, 2[illegible] 2965, 3552
CYCLOPHOSPHAMIDE: 208, 413, 685, 796, 842, 1067, 1133, 1167, 1172, 1416, 1581, 1749, 1835, 1904, 1959, 2524, 2832, 2846, 3110, 3558, 3598, 3616, 3923, 4018, 4142, 4275
CYCLOPROPANE: 574, 3137
CYCLOSTEROIDS: 803
CYCLOSTOMES: 915, 3022
CYLINDROMA: 1584, 2453, 3159
CYPRINIDAE: 195, 617, 857, 1014, 1587, 1955, 2046, 2087, 2789, 2835, 2993, 3266, 3916, 4126
CYPROHEPTADINE: 347, 522, 544, 3606, 4015 4073
CYPROTERONE: 363, 475, 2182, 3602, 3656, 3760, 4029, 4095, 4143, 4162, 4231
CYSTADENOCARCINOMA: 866, 3598, 4107
CYSTADENOMA: 1746, 2345
CYSTADENOMA, MUCINOUS: 26, 1496, 2345, 4107
CYSTADENOMA, PAPILLARY: 2021, 2036
CYSTATHIONINE: 444
CYSTEAMINE: 387, 1110, 1152
CYSTEINE: 1789, 2908, 4055
CYSTIC FIBROSIS: 299, 1102, 1112, 1862, 3930
CYSTINE: 3390, 3430
CYSTINOSIS: 3254, 3430
CYSTINURIA: 2443, 3254
CYSTITIS: 3447
CYSTOSARCOMA PHYLLODES: 326
CYSTOSCOPY: 3639
CYSTS: 12, 760, 981, 1746, 2697, 3104, 3180, 3253, 3634, 3770, 3888
CYTARABINE: 701, 1244, 1537, 2832, 3380, 4275
CYTIDINE: 220, 656, 965, 1851, 2558
CYTOCHALASIN B: 301, 404, 1552, 1941, [illegible] 4259, 4277
CYTOCHROME C: 318, 1302, 1648, 1931, 2584, 3256, 3925
CYTOCHROME OXIDASE: 562, 1689, 3256, 3274 3320, 3784
CYTOCHROME P-450: 76, 587, 1018, 1152, 1647-1648, 3274-3275, 4225
CYTOCHROME REDUCTASES: 318, 1648, 3135, 3833
CYTOCHROMES: 2894, 3256, 3438
CYTODIAGNOSIS: 550, 2095, 2262, 4102, 4256
CYTOGENETICS: 1011, 1202, 1641, 1652, 2040, 2220, 2412, 2625, 3162, 4300
CYTOLOGICAL TECHNICS: 50, 379, 1202, 2644 2676, 3337
CYTOMEGALIC INCLUSION DISEASE: 1696, 2321, 2378
CYTOMEGALOVIRUSES: 2321, 2378
CYTOPATHOGENIC EFFECT, VIRAL: 360, 2520 3270
CYTOPLASM: 79, 203, 234, 506, 722, 760, 849, 1114, 1272, 1814, 1852, 1919, 2014, 2129, 2140, 2311, 2384, 2394, 2506, 2676, 2767, 3028, 3140 3304, 3661, 3710, 3739, 3752, 3815, 3873, 3973 4152, 4186
CYTOPLASMIC GRANULES: 81, 139, 291, 294, 558, 560, 692, 722, 845, 1617, 1631, 1827, 1834, 2141, 2152, 2331, 2549, 2644, 3113, 3148, 3166, 3304, 3424, 3491, 3648, 3861, 4022, 4086, 4126, 4152
CYTOSINE: 2138, 3437
CYTOSINE NUCLEOTIDES: 980, 1572, 1851, 2051, 2274, 3364, 4147
CYTOSOL: 186, 363, 567, 810, 861, 1032, 1089, 1272, 1572, 1852, 2145, 2151, 2279, 2676, [illegible] 2935, 3156, 3217, 3371, 3505, 3572, 3662, 3815, 3841, 4029, 4049
CYTOTOXICITY TESTS, IMMUNOLOGIC: 66, 293 436, 547-548, 638, 1552, 1704, 2106, 2334, 2515, 3021, 3043, 3139, 3396, 3748, 4020-4021, 4080
CZECHOSLOVAKIA: 366, 451, 618-619, 2482, 2901, 3507
DACTINOMYCIN: 125, 362, 404, 408, 437, 642, 746, 834, 1131, 1314, 1333, 1372, 1447, 1462, 1609 1644, 1715, 1729, 2131, 2334, 2539, 2664, 2862, 3051, 3133, 3466, 3552, 3598, 3710, 3803, 3817 4020, 4026, 4221, 4297
DAIRY PRODUCTS: 3689
DAIRYING: 1409, 3689, 4240
DANSYL COMPOUNDS: 72, 480, 1123, 1544, 1733 1991, 2110, 3349, 3419, 3540
DAPSONE: 700, 1342, 2364, 3908
DARK ADAPTATION: 4252

DARKNESS: 15, 75, 194, 304, 315, 564, 2259, 2647, 3261, 3801, 4008
DAUNOMYCIN: 374, 1244, 2832
DDD: 3131, 3216, 3589
DDT: 1494, 1644, 1876, 2265, 2324, 2907, 3949-3950
DEAF-MUTISM: 721, 843, 1567, 1690, 2006, 3012, 3112, 3526, 3660
DEAFNESS: 235, 413, 869, 1542, 1632, 2135, 2164, 4208
DEALKYLATION: 492, 3510
DEAMINATION: 2997
DEATH: 4007
DEATH, SUDDEN: 24, 2190, 4266
DEBRIDEMENT: 2653
DECALCIFICATION TECHNIC: 1337
DECARBOXYLATION: 1675
DECEREBRATE STATE: 913
DECIDUA: 148, 153, 1419, 3149, 3601
DECOMPRESSION SICKNESS: 2908
DECONTAMINATION: 242
DECUBITUS ULCER: 593
DEER: 2270, 4110
DEFENSE MECHANISMS: 611-612
DEFICIENCY DISEASES: 95, 191, 381, 1080-1081, 1265, 1289, 1466, 1676, 1759, 2085, 2718, 3081, 3137, 3177, 3181, 3257, 3286, 3747, 3858, 3952, 4164
DEHYDRATION: 2043, 2097, 3997
DEHYDROEPIANDROSTERONE: 5, 144, 1049, 1216, 1304, 1310, 1390, 2318, 2568, 2619, 2770, 2887-2888, 3030, 3056, 3282, 3423, 3610, 3736, 3754, 3838, 3865, 3882
DELAYED-ACTION PREPARATIONS: 100, 1887, 2076, 2225, 2322, 2928, 3291
DELIVERY: 577, 2450, 4200
DELIVERY OF HEALTH CARE: 2964
DEMECOLCINE: 404
DEMENTIA, PRESENILE: 44, 737, 1341
DEMETHYLCHLORTETRACYCLINE: 1491
DEMOGRAPHY: 1926, 4199
DENDRITES: 177, 213, 1448, 2014, 2569-2570, 3129, 4152
DENERVATION: 358, 696, 730, 1059, 2656, 3336, 3809, 4145
DENMARK: 1100
DENSITOMETRY: 257, 352, 623, 1573, 1620, 1646, 1954, 2022, 2406, 3076, 3141, 3181, 3356, 3488, 3533, 3586, 4038, 4047
DENSITOMETRY, X-RAY: 101, 670, 891, 1377, 2914, 3181, 3235
DENTAL AMALGAM: 1620
DENTAL CARE: 833
DENTAL CARIES: 3426, 4181
DENTAL CARIES SUSCEPTIBILITY: 905
DENTAL ENAMEL: 3191, 3429, 3625
DENTAL ENAMEL SOLUBILITY: 2002
DENTAL IMPLANTATION: 3076, 3806
DENTAL MATERIALS: 3625
DENTAL PINS: 3806
DENTAL PLAQUE: 3747
DENTAL PROSTHESIS: 1743
DENTAL PROSTHESIS DESIGN: 3806
DENTAL PULP: 1491
DENTAL PULP CAPPING: 1491, 2134
DENTAL PULP DISEASES: 3796
DENTAL PULP EXPOSURE: 2134
DENTIGEROUS CYST: 1490
DENTIN: 813, 975, 2797, 3191, 3625
DENTIN DYSPLASIA: 2146
DENTINOGENESIS: 555, 2152, 2797
DENTINOGENESIS IMPERFECTA: 975
DENTITION: 2243, 4141
DEOXYADENOSINE: 4121
DEOXYCHOLIC ACID: 318, 2504, 2929, 3926
DEOXYCYTIDINE: 351, 3437, 4121
DEOXYRIBONUCLEASE: 125, 363, 1272, 1274, 1715, 1852, 2506
DEOXYRIBONUCLEOSIDES: 985
DEOXYRIBONUCLEOTIDES: 351
DEOXYURIDINE: 969
DEPRESSION: 13, 132, 135, 458, 461, 723, 814, 1054, 1096, 1559, 2685, 2955, 3035, 3832, 4135
DEPRESSION, CHEMICAL: 29, 335, 508, 571, 662, 672, 704, 743, 754, 809, 951, 1209, 1222, 1322, 1456, 1490, 1643, 1846, 1862, 1883, 2078, 2091-2092, 2097, 2173, 2252, 2363, 2367, 2518, 2551, 2599, 3020, 3145, 3280, 3323, 3332-3333, 3362, 3677, 3710, 3755, 3839, 4069, 4203, 4236
DEPRESSION, REACTIVE: 1054, 3077
DERMABRASION: 2288
DERMATITIS: 128, 332, 2718, 2976
DERMATITIS, ATOPIC: 58, 1718, 2551, 3178
DERMATITIS, CONTACT: 295, 802
DERMATITIS EXFOLIATIVA: 2966
DERMATITIS HERPETIFORMIS: 319, 2100
DERMATITIS MEDICAMENTOSA: 215, 4285
DERMATOGLYPHICS: 87, 1801, 2562, 2909, 3965
DERMATOLOGIC AGENTS: 690, 802, 1547, 3628
DERMATOMYCOSIS: 2376
DERMATOMYOSITIS: 3186, 4150
DERMOID: 3945
DERMOID CYST: 3039, 3873, 3888, 4107
DESIPRAMINE: 916, 945
DESMOSOMES: 722, 3415
DESOXYCORTICOSTERONE: 185, 439, 530, 543, 619, 779, 822, 863, 865, 1375, 1449, 1507, 1752, 2064, 2238, 2246-2247, 2255, 2396-2397, 2449, 2467, 2482, 2680, 2763, 2887-2888, 3152, 3983, 4004, 4234
DETERGENTS: 1811, 3427, 4029
DEUTERIUM: 276, 432, 939, 1010, 1268, 1469, 2186, 4017
DEVELOPING COUNTRIES: 2526, 2964
DEXAMETHASONE: 128, 164, 186, 216, 404, 439, 552, 748, 754, 792, 858, 872, 897, 1001, 1157, 1192, 1272, 1274, 1296, 1339, 1378, 1435, 1463, 1506, 1557, 1804, 1839, 1861, 1880, 2064, 2159, 2236, 2248, 2253, 2279, 2298, 2339, 2464, 2476, 2599, 2631, 2679, 2701, 2720, 2763, 2808, 2861, 2868, 2896, 3061, 3193, 3351, 3371, 3431, 3464, 3558, 3570, 3695, 3701, 3766, 3796, 4078, 4138, 4169, 4211, 4248, 4254
DEXTRAN: 599, 755, 830, 1431, 1578, 1785, 2824, 4156
DEXTRO AMPHETAMINE: 729, 742, 1817
DEXTROMORAMIDE: 870
DEXTROTHYROXINE: 300
DIABETES INSIPIDUS: 6, 170, 415, 799, 953, 971, 1034, 1066, 1094, 1252, 1263, 1289, 1404, 1487, 1771, 2435, 2443, 2596, 3120, 3154, 3284, 3329, 3571, 3739, 3910
DIABETES MELLITUS: 36, 259, 424-425, 764, 1041, 1444, 1499, 1532, 1539, 2057, 2076, 2168, 2330, 2617, 2902, 2988, 3002, 3032, 3187, 3201, 3883, 3885, 4288
DIABETES MELLITUS, JUVENILE: 254, 1299, 1763, 1771, 3612
DIABETIC ANGIOPATHIES: 1776
DIABETIC DIET: 577
DIABETIC NEPHROPATHIES: 254, 415, 1487, 2443
DIABETIC NEUROPATHIES: 1776
DIABETIC RETINOPATHY: 254, 764, 2010-2011, 3002
DIACETYLMORPHINE: 441, 3185
DIAGNOSIS, COMPUTER ASSISTED: 1098, 1190, 3451
DIAGNOSIS, DIFFERENTIAL: 163, 218, 371, 399, 427, 444, 453, 473, 503, 510, 524, 542, 559, 648, 673, 700, 719, 824, 893, 929, 981, 1006, 1034, 1147, 1244, 1247, 1296, 1324, 1342, 1367, 1380, 1382, 1421, 1423, 1486-1487, 1584, 1658, 1696, 1746, 1815, 1836, 1866, 1960, 1982, 1990, 2035, 2053, 2084, 2142, 2146, 2168-2169, 2192, 2393, 2434, 2512, 2532, 2575, 2623, 2625, 2654, 2736, 2796, 2859, 3010, 3075, 3089, 3104, 3132, 3180, 3299, 3418, 3421, 3444, 3447, 3473, 3494, 3553, 3559, 3595, 3634, 3895, 3897, 3915, 3928, 3993, 4048, 4051, 4078, 4264, 4287, 4294
DIAGNOSTIC ERRORS: 94, 524, 1532, 1920, 2281, 2414, 3025, 3255, 3553
DIALYSIS: 279, 568, 1002, 1032, 1304, 1572, 1733, 1737, 1868, 1973, 2391, 2504, 2809, 2903, 3287, 3330, 3549, 3676, 3893, 3913
DIAPHRAGM: 17, 158, 207, 508, 1062, 1322, 1348, 1635, 2047-2048, 2168, 2400, 3206, 3230, 3844
DIAPHRAGMATIC HERNIA: 884, 3164
DIARRHEA: 446, 734, 1052, 2193, 2722, 2954, 3684, 3870, 3924
DIATHERMY: 2481
DIAZEPAM: 65, 402, 1383, 1456, 2726, 2895
DIAZOMETHANE: 707
DIAZONIUM COMPOUNDS: 726
DIAZOXIDE: 1338, 1426, 3692
DIBENAMINE: 2735
DIBENZAZEPINES: 116, 945, 1779, 3362
DIBENZOXEPINS: 135
2,4-DICHLOROPHENOXYACETIC ACID: 530
DICHLORVOS: 4158
DIELDRIN: 3949-3950, 4029
DIENCEPHALON: 20, 160, 178, 350, 1086, 1320, 1529, 2017, 2432, 3058, 3329, 3514, 4194
DIET: 82, 122, 171, 216, 302, 443, 4
558, 635, 656, 659, 727, 746, 785,
926, 960, 1041, 1182, 1210, 1327,
1800, 1809, 1917, 1927, 1968, 1998,
2212, 2231, 2242, 2462, 2526, 2680,
2844, 2973, 2981, 3028, 3184, 3216,
3300, 3430, 3737, 3747, 3793, 3891,
4015, 4103, 4239
DIET, ATHEROGENIC: 2190, 3041
DIET, CARIOGENIC: 4181
DIET, REDUCING: 2161, 2653
DIET, SALT-FREE: 1404, 2719, 276
3904
DIET THERAPY: 189, 300, 826, 11
1479, 1911, 2025, 2100, 2234, 2330,
3492, 3615, 3619
DIETARY CARBOHYDRATES: 56,
1265, 2231, 2242, 2461, 2526, 3305,
DIETARY FATS: 56, 1103, 1238,
3305, 3767, 3822, 4015, 4116
DIETARY PROTEINS: 188, 302, 44
1500, 1867, 2231, 2636, 2829, 2960
3290, 3546-3547, 4181, 4234, 4293
DIETHYLSTILBESTROL: 377, 698,
1702, 1842, 1973, 2051, 2187, 2713
3519, 4291
DIFFUSION: 288, 809, 939, 1724,
3318, 3506, 4144, 4244
DIGESTION: 2802, 3475
DIGESTIVE SYSTEM: 1665, 3281,
DIGITALIS: 3062
DIGITALIS GLYCOSIDES: 563, 12
2143, 3930, 4298
DIGITONIN: 3502
DIGITOXIN: 1018, 2080, 2700
DIGOXIN: 2415, 3404, 3930, 4245
DIHYDROCHOLESTEROL: 248
DIHYDROSTREPTOMYCIN: 2646
DIHYDROTACHYSTEROL: 401, 85
DIHYDROXYCHOLECALCIFEROL:
1050, 1143, 1809, 2368, 3891
DIIODOTYROSINE: 37, 2003, 2964
DILATATION: 2009, 2576, 2683,
3421
DIMERCAPROL: 1109, 4006
DIMETHYL SULFOXIDE: 97, 802
DIMETHYLAMINES: 3523
DIMETHYLAMINOAZOBENZENE:
DIMETHYLTRYPTAMINE: 2729
DINITROPHENOLS: 279, 287, 917
2372, 3022, 3970
DIOXINS: 1431, 1868, 3392
DIOXOLES: 1152
DIPEPTIDES: 1723, 2003, 2374,
DIPHENHYDRAMINE: 1181, 2343
DIPHENOL OXIDASES: 136, 540,
DIPHENYLHYDANTOIN: 182, 22
1661, 2309, 3398, 3458-3459, 380
DIPHOSPHOGLYCERIC ACIDS:
DIPLOIDY: 1153, 3635, 4194
DIPLOPIA: 563, 749, 1435, 3005,
DIPTERA: 309, 586, 2566, 3141,
DIPYRIDAMOLE: 63, 2780, 3316
DISABILITY EVALUATION: 275
DISCRIMINATION: 198, 3103, 32
DISCRIMINATION LEARNING:
1004, 2519
DISEASE MODELS, ANIMAL: 2
401, 504, 571, 620, 737, 779, 10
1439, 1627, 1678, 2144, 2190, 2
2376, 2448, 2546, 2995, 2998, 3
4015, 4243
DISEASE RESERVOIRS: 3526
DISEASE VECTORS: 2866, 3473
DISEASES IN TWINS: 282, 180
2819, 3211
DISGERMINOMA: 2, 7, 266, 60
1957, 2189, 2192, 2632, 3175,
DISLOCATIONS: 2340
DISODIUM CROMOGLYCATE:
DISPOSABLE EQUIPMENT: 29
DISSEMINATED INTRAVASCU
COAGULATION: 63, 214, 306,
3123, 3885, 4046, 4105, 4169
DISULFIDES: 35, 861
DISULFIRAM: 822
DITHIOTHREITOL: 1811, 3540
DIURESIS: 736, 953, 1066, 136

LIBRARY U. OF I., URBANA-CHAMPAIGN

, 3048, 3329, 3389, 3534, 3596, 3910,

: 135, 225, 577, 879, 968, 1018, 1094,
2059, 2443, 2461-2462, 3453, 3732,

, MERCURIAL: 1804
21, 2178, 2438
2, 79, 104, 108, 151, 153, 177, 351, 441,
637, 958, 1107, 1201, 1439, 1462, 1485,
1078, 1884, 2023, 2051, 2062, 2138,
2294, 2303-2304, 2308, 2369, 2439,
2942, 2973, 2985, 3167, 3196, 3322,
3515, 3569, 3625, 3635, 3674, 3696,
3803, 4020, 4113, 4132, 4194, 4209
ERIAL: 1900
ULAR: 1563
PLASM: 4121
EOTIDYL- TRANSFERASES: 1901,

IR: 873
ICATION: 873, 1659, 1900, 2564, 3437,
4053, 4147
LE STRANDED: 2138
L: 2101
SES: 299, 303, 1657
SES: 648, 1027, 1111, 1672, 3487
, 98, 122, 242-243, 270, 372, 386, 463,
507, 522, 592, 637, 650, 682, 726, 730,
921, 848, 870, 892, 951, 953, 1026-1027,
1122, 1138, 1196, 1199, 1208, 1218,
1330, 1369, 1375, 1387-1388, 1408, 1474,
1495, 1588, 1618, 1629, 1672,
1730-1731, 1804, 1817, 1823, 1826, 1864,
1941, 1946, 1969, 1973, 1996, 1999,
2067, 2090, 2184, 2197, 2238, 2296,
2447, 2458, 2470, 2488, 2547, 2560,
2662, 2696, 2722, 2871, 2906, 2929,
3011, 3062, 3068, 3083, 3140, 3173,
3205, 3216, 3226, 3232, 3329, 3338,
3407, 3453, 3456, 3461, 3487, 3513,
3535, 3542, 3611, 3637, 3642, 3663,
3734, 3747, 3812, 3839, 3849, 3890,
3986, 4007, 4015, 4062, 4090, 4095,
4251, 4286, 4284
, CEREBRAL: 1682
394, 503, 525, 531, 571, 756, 804, 871,
009, 1173, 1411, 1549, 1699, 1832, 1890,
2469-2470, 2573, 2685, 2794, 2854, 2967,
3233, 3514, 3567, 3607, 3737, 3897,

RBOXYLASE: 283, 822, 871, 883,
3514, 3779
ASE: 822
25, 178-179, 200, 283, 286, 298-299,
31, 545, 571, 676, 681, 742, 917, 993,
1363, 1341, 1403, 1411, 1527, 1644,
1730, 1755, 1767, 1793, 1832, 1840,
2039, 2077, 2379, 2420, 2432, 2479,
2858, 3077, 3199, 3233, 3241, 3244,
3962, 4012, 4036-4037, 4136, 4197,

BETA HYDROXYLASE: 389, 1123,
1634, 1720, 3199, 4171
RMS: 954
NSE RELATIONSHIP, DRUG: 29, 57,
98, 183, 190, 259, 296, 311, 324, 385,
544, 585, 596, 629, 668-669, 671,
760, 779, 838, 916, 920, 945, 954,
1071, 1104, 1118, 1151, 1156, 1160,
1193, 1196, 1221, 1238, 1264, 1282,
1411, 1505-1506, 1510, 1527, 1569,
1730-1731, 1738, 1741, 1888, 1895,
2009, 2063, 2076, 2116, 2119, 2177,
2273, 2279, 2323-2325, 2336, 2338-2339,
2368, 2377, 2396, 2422, 2430-2431,
2483, 2509, 2580, 2638, 2643, 2748,
2847, 2870, 2916, 2958, 2982, 2999,
3044, 3079, 3095, 3100, 3108, 3141,
3207, 3229, 3233, 3338, 3400, 3412,
3475, 3489, 3502, 3562, 3609, 3652,
3735, 3751, 3841, 3850, 3948, 3990,
4088, 4070, 4079, 4120, 4136, 4145,
4202, 4245, 4254, 4295
NSE RELATIONSHIP, RADIATION:
870
466, 1932
35, 160, 206, 253, 569, 572, 778, 821,
953, 1708, 1917, 2030, 2070, 2300, 3263,
4148, 4174
EHAVIOR: 160, 569, 778, 1078, 1251,
1312, 1550, 1798-1799, 1933, 1963, 2070, 3176, 3489, 3751, 3852
DRIVE: 2955, 3103, 3758
DROSOPHILA: 883, 2254, 4170
DROSOPHILA MELANOGASTER: 1037, 2040, 2188, 2308, 2728, 2985, 3635, 4132
DRUG ABUSE: 135, 2918
DRUG ADDICTION: 630, 1633, 1985, 3185
DRUG ADULTERATION: 3488
DRUG ANTAGONISM: 1941, 2173
DRUG COMBINATIONS: 118, 128, 215, 361, 419, 478, 514, 685, 825, 1057, 1156, 1491, 1540, 1731, 1774, 1861, 1905, 2182, 2264, 2513, 2585, 2628, 2679, 2950, 2967, 3066, 3574, 3598, 3653, 3911, 3933, 4230
DRUG HYPERSENSITIVITY: 3000, 3427, 3554, 4242, 4272
DRUG INTERACTIONS: 88, 227, 311, 329, 522, 683, 916, 951, 1099, 1261, 1264, 1408, 1427, 1640, 1692, 1730, 1793, 1817, 2078, 2711, 2877, 2946, 3059, 3115, 3199, 3409, 3611, 4232, 4263
DRUG RESISTANCE, MICROBIAL: 249, 904, 2940, 2945
DRUG STABILITY: 48, 389, 545, 668, 813, 1057, 1249-1250, 1570, 1733, 1797, 1811, 1813, 2805, 3061, 3404, 3522, 3741, 3819, 3963
DRUG SYNERGISM: 135, 312, 519, 591, 701, 708, 802, 842, 896, 916-917, 953, 1007, 1167, 1199, 1264, 1329-1330, 1439, 1581, 1589, 1767, 1811, 1842, 1861, 1904, 1951, 2081, 2108, 2166, 2260, 2591, 2605, 2626, 2807, 2900, 2936, 3045, 3108, 3163, 3233, 3295, 3298, 3697, 3712, 3748, 3755, 3812, 3847, 4118, 4209
DRUG THERAPY: 1679, 1683, 2918, 3674, 4130, 4242, 4283
DRUG TOLERANCE: 364, 817, 1243, 1301, 1595, 3407, 3455, 3583, 3707, 3880
DRUG WITHDRAWAL SYMPTOMS: 2705
DRUGS: 258, 2128, 3488, 4245, 4283
DTPA: 242, 404, 4006
DUCKS: 120, 1615
DUCTUS ARTERIOSUS: 669
DUCTUS ARTERIOSUS, PATENT: 235
DUODENAL NEOPLASMS: 2850
DUODENUM: 196-197, 1050, 1285, 1400, 1626, 1677, 2068, 2170, 2539, 2944, 3401, 3703, 3809, 4057
DURA MATER: 1872, 3749
DUST: 1074, 1389
DWARFISM: 263, 687, 873, 1000, 1111, 1466, 1482, 2053, 2149-2150, 2392, 2427, 2471, 2842, 3132, 3381, 3649, 3711, 3895, 3942
DWARFISM, PITUITARY: 1289, 1790, 2208, 2437, 2856, 3651, 3895
DYE DILUTION TECHNIC: 2289, 3383
DYES: 770, 3548
DYSCHONDROPLASIA: 1246, 3649
DYSEMBRYOMA: 1203
DYSLEXIA: 1557
DYSMENORRHEA: 281, 2648, 3421
DYSPAREUNIA: 2241
DYSPNEA: 417, 872, 3033, 3448, 3911
EAR: 203, 720, 1693, 2007
EAR DEFORMITIES, ACQUIRED: 3312
EAR DISEASES: 203, 413, 835
EAR, EXTERNAL: 320, 720
EAR, MIDDLE: 203, 720, 2007
EAR NEOPLASMS: 2594
EAR OSSICLES: 1693, 2007
EATING: 152, 160, 206, 252-253, 304, 572, 778, 821, 890, 947, 1210, 1307, 1451, 1682, 1917, 1933-1934, 2030, 2079, 2210, 2231, 2242, 2300, 2361, 2981, 3184, 3264, 3300, 3327, 3368, 3467, 3573, 3608, 3852, 4148
ECCENTRO- OSTEOCHONDRODYSPLASIA: 3650
ECCHYMOSIS: 359
ECDYSONE: 806, 2728
ECHINOCOCCOSIS: 316, 4016
ECHINOSTOMA: 2866
ECHO VIRUSES: 1206
ECHOENCEPHALOGRAPHY: 1393, 3559
ECHOLALIA: 1557
ECLAMPSIA: 274
ECOLOGY: 806, 2706, 2860
ECONOMICS: 2964, 3689
ECTODERM: 3601
ECTROMELIA: 2005
ECUADOR: 843, 1080-1081, 1563, 1567, 3660, 3878
ECZEMA: 58, 766, 802, 1298, 2483, 2688, 3101, 4137
EDEMA: 1, 397, 514, 579, 614, 1094, 1435, 1692, 1861, 1980, 2296, 2351, 2543, 2606, 2683, 2717, 2966, 3413, 3415, 3842, 3680, 4072-4073, 4281
EDROPHONIUM CHLORIDE: 2102, 2430-2431, 3585
EDTA: 62, 269, 401, 662, 1337, 1513, 1592, 1600, 1811, 1881, 2143, 2656, 2696, 2820, 3249, 3491, 3661-3662, 4248
EDUCATION: 1174
EDUCATION, MEDICAL, GRADUATE: 366
EDUCATIONAL MEASUREMENT: 3992
EDUCATIONAL STATUS: 155, 3869, 3974
EELS: 1014-1015, 1607, 2854
EGG PROTEINS: 4209
EGG YOLK: 3839
EGGS: 731, 2193, 2265, 2647, 2793, 3260, 3313
EGYPT: 1466, 3627
EHLERS-DANLOS SYNDROME: 398, 3698
EJACULATION: 625, 976, 992, 2154, 3074, 4300
EJACULATORY DUCTS: 625, 706, 3074, 3304, 3656
ELASTICITY: 1395, 1620, 1748, 2668, 2784, 3105
ELASTIN: 3986, 4162
ELBOW: 880, 4226
ELECTRIC CONDUCTIVITY: 89, 3609, 3859
ELECTRIC STIMULATION: 9, 65, 116, 152, 270, 298, 321-322, 335, 375, 386, 390, 507, 859-860, 944, 971, 992, 1060, 1070, 1121, 1205, 1285, 1357, 1451, 1635, 1681-1682, 1847, 1906, 1916, 1933, 1945, 1972, 2015, 2019, 2030, 2067, 2158, 2302, 2465, 2519, 2620, 2677, 2703, 2712, 2738, 2783, 2831, 2889, 2912, 3017-3019, 3047, 3073, 3102, 3148, 3199, 3221, 3223, 3226-3228, 3288, 3556, 3578, 3637, 3758, 3774, 3823, 3875, 3889, 4068-4069, 4108, 4148, 4212, 4215, 4236
ELECTRICITY: 17
ELECTROCARDIOGRAPHY: 43, 89-90, 96, 354, 406, 490, 738, 841, 844, 931-932, 983, 1399, 1459, 1824, 2096, 2190, 2741-2742, 3000, 3012, 3034, 3124, 3153, 3265, 3291, 3383, 3660, 3778, 3924, 4266
ELECTROCHEMISTRY: 3731
ELECTROCOAGULATION: 991, 2140, 3102, 3315, 3630
ELECTRODES: 886, 1443, 2126, 3031, 3962, 4243
ELECTRODES, IMPLANTED: 152, 321-322, 620, 681, 737, 859, 992, 1205, 1451, 1613, 1681, 2030, 2079, 2519, 2556, 2620, 2737, 2848, 2895, 3018-3019, 3221, 3433, 3532, 3556, 3637, 4068, 4108, 4182, 4215
ELECTRODIAGNOSIS: 3521
ELECTROENCEPHALOGRAPHY: 44, 93, 137, 180, 182, 406, 620, 630, 681, 694, 721, 1038, 1086, 1245, 1305, 1357, 1411, 1418, 1557, 1613, 1690, 1905, 1945, 2067, 2158, 2405, 2477, 2796, 2843, 2895, 2910, 2912, 3005, 3103, 3153, 3204, 3267, 3288-3289, 3432, 3451, 3521, 3532, 3559, 3578, 3605, 3692, 3800, 4145
ELECTROLYSIS: 947, 3361
ELECTROLYTES: 9, 291, 504, 1288, 2128, 3153, 3441, 3513, 3571, 3997, 4247
ELECTROMAGNETICS: 4262
ELECTROMYOGRAPHY: 232, 630, 681, 875, 1847, 2102, 2477, 2804, 2872, 3122, 3309
ELECTRON PROBE MICROANALYSIS: 147, 2730
ELECTRON SPIN RESONANCE: 540
ELECTRON TRANSPORT: 1488, 1648, 1742, 2205, 4017
ELECTRONARCOSIS: 461, 3961
ELECTROOCULOGRAPHY: 630
ELECTROPHORESIS: 739, 1011, 1112, 1301, 1514, 1555, 1774, 1795, 1946, 2251, 2870, 2996, 3085, 3249, 3337, 3375, 3392, 3540, 3741
ELECTROPHORESIS, DISK: 59, 196-197, 456, 1592, 1733, 1737, 2089, 2449, 2504, 2996, 3522, 3963, 4049, 4189, 4209
ELECTROPHORESIS, PAPER: 23, 72, 134, 480, 597, 1044, 1089, 1327, 1544, 1577, 1890, 1936, 2094, 2110, 3348-3349, 3361, 3480, 3549, 3636, 3839, 3968
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 103, 170, 296, 472, 804, 861, 959, 1044, 1123, 1139, 1158, 1327, 1452, 1572, 1574-1575, 1596, 1650, 1685, 1729, 1737, 1765, 1844, 1868, 1953, 1977, 1981, 2558, 2592, 2903, 3085, 3141, 3262, 3287, 3361, 3457, 3506, 3538, 3546, 3643, 3740, 3825, 3982, 4047, 4049, 4214
ELECTROPHORESIS, STARCH GEL: 2303, 2603
ELECTROPHYSIOLOGY: 320, 566, 729, 949, 1214, 1841, 1847, 1972, 2015, 2143, 3047, 3204, 3451, 3609, 4077, 4182
ELECTRORETINOGRAPHY: 342, 575, 4249, 4252

ELECTROSHOCK: 181, 228, 322, 529, 531, 933, 944, 993, 1001, 1290, 1933, 2165, 2179, 2240, 2571, 2620, 2738, 2912, 3300, 3777, 3835, 4213
ELECTROTHERAPY. 931
ELEMENTARY PARTICLES: 3799
ELEPHANTS: 2314
ELLIS-VAN CREVELD SYNDROME: 2053
EMACIATION: 1709
EMBOLISM: 2555, 3174
EMBOLISM, FAT: 599, 614, 3465
EMBRYO: 50, 153, 303, 573, 748, 753, 1003, 1153, 1235, 1277, 1356, 1614, 2005, 2114, 2520, 2531, 2631, 2674, 2898, 3171, 3548, 3601, 3722, 3879, 4278
EMERGENCIES: 2025
EMIGRATION AND IMMIGRATION: 3086
EMOTIONS: 933, 944, 982, 1165, 1214, 1697, 1819, 1885, 2067, 2241, 2399, 2738, 3176, 3573, 3591, 3641, 3967, 4148
EMPHYSEMA: 2606
EMULSIONS: 3335
ENCEPHALITIS: 1537, 2096
ENCEPHALITIS, JAPANESE B: 776
ENCEPHALITIS, TICK-BORNE: 2743
ENCEPHALITIS VIRUSES, TICK-BORNE: 2743
ENCEPHALITOGENIC BASIC PROTEINS: 3740
ENCEPHALOMYELITIS: 2520, 2718
ENCEPHALOMYELITIS, ALLERGIC: 4065
ENDARTERECTOMY: 1140
ENDARTERITIS: 1815
ENDOCARDITIS: 1918, 3724
ENDOCARDITIS, BACTERIAL: 1041
ENDOCARDITIS, SUBACUTE BACTERIAL: 1041
ENDOCRINE DISEASES: 70, 148, 306, 454, 494, 1178, 1261, 1346, 1465, 1645, 1709, 1756, 1771, 1833, 2017, 2035, 2381, 2402, 2479, 2589, 2705, 2902, 3032, 3132, 3276, 3290, 3392, 3435, 3495, 3765, 3769, 4154, 4287
ENDOCRINE GLANDS: 97, 178, 288, 616, 618, 759, 799, 806, 932, 1329-1330, 1363, 1792, 2024, 2206, 2722, 2886, 2901, 3042, 3424, 3449, 3543, 3562
ENDOCRINOLOGY: 366, 369-370, 454, 484-485, 618-619, 851, 853, 1029-1030, 2482, 2901, 3387-3388, 4178-4179
ENDOCYTOSIS: 334, 1617
ENDOMETRIAL HYPERPLASIA: 1360, 1753, 4260
ENDOMETRIOSIS: 3421, 3634
ENDOMETRITIS: 446, 1961
ENDOMETRIUM: 79, 377, 601, 1083, 1394, 1419, 1517, 1569, 1708, 1919, 1961, 2686, 3179, 3357, 3364, 3478, 3523, 3797, 3886
ENDOMYOCARDIAL FIBROSIS: 1041
ENDOPLASMIC RETICULUM: 268, 291, 520, 560, 641, 706, 722, 902, 972, 1114, 1226, 1335, 1470, 1617, 1919, 1954, 2072, 2129, 2145, 2152, 2433, 2549, 2612, 2747, 2854, 2880, 2931, 3113, 3190, 3304, 3401, 3424, 3468, 3483, 3769, 3816, 4152, 4193, 4224
ENDOSCOPY: 391, 4149
ENDOTHELIUM: 18, 256, 894, 902, 1684, 2237, 2263, 3424
ENDOTOXINS: 1322, 2088, 2352, 2367, 2662, 2820, 3455, 3481
ENEMA: 3164
ENERGY TRANSFER: 562, 1488, 1513, 2104, 2540, 2579, 3472, 3926, 3984, 4153
ENGINEERING: 2742
ENGLAND: 463, 1100, 1597, 1820, 1998, 2964, 4271
ENGLISH ABSTRACT: 9, 16, 21, 38, 85-86, 90, 94, 96, 106-107, 118, 127, 138-139, 142-143, 148, 150, 157, 161-162, 172, 176, 184, 187, 191, 193, 211, 222, 237, 245, 256, 261, 274-275, 281, 290-291, 299, 308, 328-329, 333, 357, 366, 392, 394-395, 397, 406, 412-413, 416-418, 444, 448, 450-452, 455, 465, 467, 490-491, 503, 524, 530, 533, 541, 543-544, 550, 559, 598-599, 601, 618-619, 622, 625, 636, 651-652, 654-655, 663, 667, 672-673, 677-678, 693, 714, 718, 723, 725, 733, 753, 777, 789, 796, 801-802, 832, 841-842, 882, 903, 907, 912, 918, 921, 931, 936-937, 940, 943, 961, 963-964, 967, 979, 997, 1013, 1021, 1026, 1034, 1054, 1056, 1085-1086, 1088, 1091, 1097, 1129, 1145, 1170-1171, 1187, 1197-1198, 1203-1204, 1207, 1215, 1231, 1237, 1240, 1248, 1260, 1263, 1279, 1288, 1292-1293, 1300, 1304-1305, 1315-1316, 1319-1321, 1334, 1346, 1349, 1358, 1365, 1375, 1380-1381, 1385-1386, 1392, 1395, 1398, 1401-1402, 1404, 1406, 1409, 1428, 1430, 1433-1434, 1445-1446, 1465, 1481, 1483, 1497-1498, 1501, 1509, 1522-1523, 1534, 1538, 1540, 1554, 1562, 1585, 1591, 1599, 1601, 1603, 1619, 1629, 1636, 1638, 1645, 1687-1689, 1697-1700, 1703, 1716, 1722, 1725, 1744-1747, 1757-1758, 1761-1762, 1764, 1771-1772, 1775, 1788, 1791, 1794, 1847, 1855-1858, 1860-1861, 1863, 1866, 1874, 1877, 1882, 1890, 1945, 1950, 1954, 1990, 1994, 2002, 2009, 2013, 2017, 2020-2021, 2029, 2031, 2048, 2050, 2052, 2055-2057, 2059-2060, 2066-2067, 2069, 2073-2074, 2076, 2082, 2085-2086, 2090-2096, 2115, 2117, 2129, 2137, 2146, 2157, 2168, 2181, 2183, 2199, 2207, 2209, 2212-2214, 2229-2230, 2250, 2254, 2262-2264, 2271, 2285, 2289, 2291, 2309, 2320-2322, 2350-2351, 2378, 2381, 2387, 2390, 2397, 2402, 2405-2406, 2409, 2411-2412, 2414, 2427-2429, 2435, 2441, 2444, 2464, 2469, 2475-2478, 2482, 2486, 2492, 2495-2496, 2516, 2521, 2530, 2532, 2543-2544, 2548, 2552, 2554, 2577, 2580, 2583, 2586, 2588, 2596, 2602, 2007, 2610-2611, 2616, 2624, 2630, 2641, 2655, 2671, 2673, 2683-2684, 2693 2699-2700, 2721, 2739-2742, 2776-2777, 2779, 2781, 2795, 2797, 2802, 2804-2805, 2810-2811, 2826, 2849, 2856, 2883, 2896, 2901-2902, 2905, 2911, 2917, 2928, 2935-2937, 2950-2951, 2953, 2955, 2963, 2970, 2973, 2997-2998, 3001, 3003-3004, 3010, 3023, 3027, 3033, 3042, 3059, 3063, 3066, 3069-3070, 3087, 3093-3094, 3098, 3122-3123, 3153-3154, 3161-3162, 3175, 3179, 3191, 3195, 3197-3198, 3201, 3212, 3216, 3218-3219, 3234, 3238, 3241, 3250, 3255, 3258, 3284, 3291, 3301-3302, 3311, 3315, 3322, 3325, 3329, 3334, 3351, 3359, 3362, 3379-3380, 3384, 3394, 3407, 3424, 3426, 3430-3432, 3434, 3436, 3443, 3449-3450, 3471, 3480, 3484, 3486, 3490, 3492-3493, 3495, 3499, 3511, 3531, 3543, 3548, 3551, 3555, 3567, 3582, 3589-3590, 3593, 3612, 3624, 3629, 3647, 3650, 3656, 3665, 3670, 3678, 3685, 3687, 3689, 3711, 3715, 3717, 3720, 3727, 3729, 3746, 3761-3762, 3766, 3770, 3773, 3785, 3788-3789, 3797, 3803, 3816, 3840, 3842-3844, 3846, 3849, 3862-3863, 3876-3877, 3887, 3890, 3896, 3912, 3918, 3921, 3923, 3927, 3932, 3935, 3938-3939, 3942, 3951, 3955-3956, 3965, 3972, 3984, 3990, 4005, 4007, 4009-4011, 4013-4016, 4032, 4045, 4064, 4118, 4123, 4128-4129, 4141, 4143, 4152, 4155, 4159, 4181, 4185, 4190, 4216, 4221-4223, 4228, 4231, 4239-4240, 4242, 4244, 4246-4247, 4280
ENTERITIS, REGIONAL: 111, 3222, 4142
ENTEROCOLITIS, ACUTE: 150
ENTEROTOXINS: 927, 1235, 1862
ENVIRONMENT: 181, 282, 633, 1586, 2259, 2732, 2860, 3432, 3700, 3916
ENVIRONMENT, CONTROLLED: 2495, 2954, 3810, 4076
ENVIRONMENTAL EXPOSURE: 43, 526, 786, 1389, 1836, 2178, 2354, 2999, 3696, 3801, 3810
ENVIRONMENTAL HEALTH: 3007
ENZYME ACTIVATION: 64, 74, 225, 478, 702, 1188, 1302, 1337, 1402, 1505, 1510, 1928, 1951, 2103, 2391, 2422, 2518, 2607, 2614, 2711, 2715, 2734, 2750, 2769, 2891, 3169, 3248, 3317, 3552, 3783, 3802, 4025
ENZYME INDUCTION: 3, 269, 296, 481, 656, 748, 838, 1729, 1813-1814, 1876, 1878, 2864, 2840, 2867, 3303, 3398, 3457-3459, 3760, 3864, 3973, 4225
ENZYME REPRESSION: 3, 500, 703, 748, 1220, 1729, 2940, 3311
ENZYME TESTS: 577, 875, 898, 2095, 2530, 2684, 4054
ENZYMES: 337, 504, 701, 1011, 2040, 3802
EOSINOPHILIA: 1705, 1760, 1918, 2966
EOSINOPHILIC GRANULOMA: 3360
EOSINOPHILS: 1718, 1760, 1862, 1918-1919, 2076, 2140, 3027, 3187, 3347, 3415
EPENDYMA: 4079, 4126, 4152
EPENDYMOMA: 1891, 2189, 3627, 3770
EPHEDRINE: 945, 1160, 1521, 3456, 3853, 3907
EPIDEMIOLOGIC METHODS: 1074, 2611
EPIDERMAL NECROLYSIS, TOXIC: 1674, 3724
EPIDIDYMIS: 30, 98, 264, 362-363, 910, 948, 985, 1158, 1220, 1505, 1809, 1827, 1895, 1951, 1977, 2049, 2161, 2320, 2714, 2783, 3074, 3182, 3736, 3813-3814, 3838, 4000-4001, 4177, 4300
EPIGLOTTIS: 24
EPILEPSY: 299, 2292, 2399, 2648, 2737, 3010, 3120, 3398, 3458, 3800, 3805
EPILEPSY, GRAND MAL: 2309, 3459
EPINEPHRINE: 46, 85, 95, 119, 195, 202, 251, 255, 333, 345, 507, 676, 702, 708, 722, 845, 867, 919, 969, 1022-1023, 1126-1127, 1234, 1325, 1338, 1368, 1492, 1505, 1571, 1588, 1594, 1635, 1640, 1660, 1697, 1720, 1725, 1755, 1793, 1890, 1895, 1924, 1951, 1969, 2032, 2039, 2044, 2065, 21
2144, 2178, 2215, 2238, 2361-2362, 22
2400, 2404, 2455, 2469-2470, 2472, 24
2502, 2510, 2521, 2546, 2563, 2572, 2
2748, 2757, 2772-2773, 2900, 2927, 29
3083, 3108, 3134, 3153, 3226, 3241, 3
3481, 3491, 3525, 3529, 3550, 3552, 3
3812, 3848, 3853, 3880, 3907, 3963, 4
4204, 4219
EPIPHYSES: 257, 2973, 3235, 3490, 35
3788-3789
EPIPHYSES, SLIPPED: 1926, 3706
EPITHELIAL CELLS: 26, 268, 305, 7
1093, 1107, 1114, 1684, 1741, 1834, 2
2439, 2478, 2663, 2889, 2730, 2773, 2
3118, 3140, 3268, 3304, 3613, 3789, 4
4224
EPITHELIUM: 456, 538, 894, 921, 99
1827, 1993, 2049, 2106, 2156, 2236-23
2976, 3042, 3187, 3253, 3601, 3808, 3
4167
EPOXY RESINS: 1857
EQUINE INFECTIOUS ANEMIA: 18
ERGOCALCIFEROL: 960, 2022, 3990
ERGOLINES: 127, 1119, 3161
ERGOSTEROL: 75, 248, 668, 1889, 2
ERGOT ALKALOIDS: 489, 804, 850,
2488
ERGOT ALKALOIDS, HYDROGENAT
ERGOTAMINE: 4136
ERYTHEMA: 1, 512, 1837, 2966, 331
3933, 4150
ERYTHEMA NODOSUM: 942, 1253,
ERYTHROBLASTOSIS, FETAL: 233,
2378, 3434
ERYTHROCYTE AGGREGATION, INTRAVASCULAR: 1627
ERYTHROCYTE COUNT: 1111, 1784
2538, 3292
ERYTHROCYTES: 13, 21, 54, 365,
495, 547, 615, 815, 1045, 1072, 111
1544, 1919, 1946, 2123, 2159, 2236,
2496, 2506, 2548, 2603, 2877, 3007,
3486, 3503, 3674, 3719, 3783, 3810,
3977, 4053, 4085, 4180, 4249
ERYTHROCYTES, ABNORMAL: 21
ERYTHROLEUKEMIA: 374
ERYTHROPOIESIS: 367, 1166, 1329-
1777, 2214, 3292, 3503, 3619
ERYTHROPOIETIN: 367, 1166, 1171
1344, 1777, 3169, 3454
ESCAPE REACTION: 180, 228, 321
ESCHERICHIA COLI: 3, 105, 289,
1650, 1757, 1846, 1900, 2101, 2578
2820, 3085, 3303, 3366, 3565, 3752
ESCHERICHIA COLI INFECTIONS
ESOPHAGEAL ATRESIA: 3164
ESOPHAGEAL DISEASES: 811, 88
ESOPHAGEAL NEOPLASMS: 39,
3688
ESOPHAGEAL STENOSIS: 2576
ESOPHAGEAL VARICES: 3694
ESOPHAGOGASTRIC JUNCTION:
ESOPHAGUS: 1285, 2801, 3830, 40
ESTERASES: 456, 1301, 2219, 2785
ESTERS: 707, 1101, 1325, 1883, 19
3476, 3786-3787
ESTRADIOL: 10, 16, 79, 144, 167,
362, 393, 432, 467, 489, 520, 585,
694, 698, 718, 746, 800, 863, 914,
1049, 1075, 1093, 1105-1106, 1116
1213, 1249, 1257-1259, 1291-1292,
1485, 1564, 1593, 1639, 1702, 170
1752, 1770, 1785, 1825, 1831, 184
1887-1888, 1914, 1943, 1973, 1995
2060, 2154, 2163, 2175, 2187, 22
2305, 2312, 2316, 2389, 2396, 240
2507, 2518, 2604, 2613, 2631, 26
2689, 2711, 2734-2735, 2749, 2751
2791-2792, 2807, 2812, 2821, 2935
2974, 3051, 3056, 3062, 3092, 31
3184, 3213, 3225, 3247, 3277, 33
3331, 3436, 3442, 3539, 3600, 36
3661-3662, 3703, 3710, 3755, 381
3866, 3886-3887, 3893, 3936, 395
4041, 4059, 4072, 4166, 4175, 41
4238, 4260
ESTRANES: 1304, 1750, 2446, 41
ESTRIOL: 10, 16, 48, 467, 521, 6
989, 1459, 1517, 1569, 1750, 180

LIBRARY U. OF L. URBANA-CHAMPAIGN

2187, 2364, 2316, 2370, 2460, 2511,
3134, 3136, 3258, 3310, 3343, 3443,
3931, 4054, 4175
SUBSTANCES, CONJUGATED: 332,
, 694, 969, 1750, 1962, 2456, 3882,

10, 13, 16, 40, 115, 123, 134, 153,
, 300, 307, 361, 405, 432, 458, 477,
, 715, 757, 773, 799-800, 819-820,
, 914, 936, 1003, 1012, 1075, 1183,
259, 1333, 1358-1360, 1375, 1378,
614, 1625, 1629, 1640, 1675,
50, 1756, 1759, 1780, 1782, 1784-1785,
943, 1971, 1973, 1979, 2041,
56, 2109, 2187, 2219, 2286, 2313,
373, 2440, 2513, 2535, 2611, 2659,
77, 2734-2735, 2782, 2880, 2915, 2970,
082, 3121, 3133-3134, 3136, 3167,
30, 3246-3247, 3367, 3371, 3379, 3493,
539, 3558, 3602, 3615-3616, 3634,
33, 3815, 3882-3883, 3905, 3919, 3934,
043, 4045, 4064, 4143, 4158, 4162,
307, 4227, 4260, 4282
16, 167, 432, 467, 602, 775, 800,
7, 1130, 1249-1250, 1259, 1517, 1629,
785, 1842, 1919, 1973, 1975, 2037,
312, 2316, 2468, 2507, 2613,
30, 3056, 3082, 3225, 3442, 3539,
175
3, 115, 169, 206, 313, 358, 429, 604,
650, 660, 755, 864, 914, 1095, 1113,
90, 1286, 1371, 1374, 1396, 1419,
335, 1639, 1702, 1708, 1764, 1778,
900, 1937, 1943, 2155, 2175, 2257,
312, 2385, 2454, 2541, 2659, 2690,
713, 3791-2792, 2875, 2882, 2920,
774, 3066, 3129, 3277, 3309, 3315,
512, 3543, 3597, 3600-3601, 3641,
737, 3943, 3962, 4023, 4059, 4079,
76, 4278
ACID: 287, 478
VES: 312, 674, 1417, 2146, 3153,

858, 901, 1099, 1127, 1325, 2920,

LIC: 1010, 2649, 2929
CAL: 442, 1079
RADIOL: 262, 361, 377, 393, 457,
4, 1440, 1643, 1879, 1976, 2182,
05, 3480, 3574, 4230-4231
5
3. 2824
3308
VS 1533
PS: 1458, 1482, 2149, 2282, 2524,

IDE: 49
414, 1059, 1907, 3852, 4204
: 1259, 3316
49
IDE: 2090
MINES: 770, 2786
IDE: 3419
DIACETATE: 458, 1170, 1879, 1976,
74
LONE: 139, 246, 812, 1964, 2619,
32, 3470, 3865
CILIS: 75
74, 1995

STUDIES: 123, 139, 328, 354, 494,
846, 882, 1002, 1013, 1070-1071,
96, 1100, 1138, 1163, 1227, 1254,
05, 1362, 1373, 1393, 1411, 1424,
94, 2343, 2434, 2492, 2507-2508,
31, 2564, 2819, 2821, 2852, 2872,
71, 2893, 2972, 3013, 3097, 3144,
31, 3324, 3404, 3425, 3430, 3514,
73, 3869, 3895, 3923, 4019, 4041,
5 4279
NTIALS: 46, 89, 1060, 1357, 1699,
2, 2712, 2848, 2852, 2895, 3578,

36, 2306, 2799, 3345, 3389, 4008,

ANSFUSION: 2378
RAPY: 2253, 3615
430, 450, 867, 1126, 1370, 1474,
9, 2202-2203, 2361, 2461, 2470,
2, 3450, 3594, 3709, 3855, 3927

EXOCYTOSIS: 301, 1361, 1617, 3985
EXOPHTHALMOS: 33, 316, 563, 689, 749, 1085, 1349, 1435, 1533, 1584, 1705, 1769, 1866, 2005, 2169, 2348, 2350, 2445, 2637, 2740, 3001, 3087, 3104, 3293, 3444, 3474, 3498, 3595, 3604, 3717, 3782, 4016, 4139-4140, 4198
EXOPHTHALMOS PRODUCING SUBSTANCE: 1445
EXOSTOSES: 3649
EXOSTOSES, MULTIPLE: 1246
EXPERT TESTIMONY: 4271
EXPLORATORY BEHAVIOR: 100, 198, 206, 228, 388, 1290, 1662, 1819, 1933, 2240, 2571, 3111, 3641, 3777, 3940, 4108, 4148
EXTINCTION (PSYCHOLOGY): 529, 1312, 1550-1551
EXTRACELLULAR SPACE: 227, 327, 829, 968, 1015, 1043, 1094, 1408, 1556, 1589, 2143, 2238, 2310, 2461, 3195, 3229, 3415, 3680, 3850, 3875, 3939, 3986, 4056, 4251
EXTRACHROMOSOMAL INHERITANCE: 1900
EXTRACORPOREAL CIRCULATION: 479, 552, 2090, 3448, 3890
EXTRAPYRAMIDAL TRACTS: 823
EXTREMITIES: 1153, 1756, 1787, 1855, 2048, 2174, 2285, 3015, 3541
EXUDATES AND TRANSUDATES: 110, 770, 2606, 4258
EYE: 235, 1457, 1606, 2045, 2048, 2339, 2841, 3203, 4112, 4139, 4194, 4252
EYE DISEASES: 33, 359, 397-398, 470, 499, 563, 575, 688, 1138, 1179, 1239, 1296, 1771, 1815, 1818, 1866, 3293, 3469, 3876
EYE FOREIGN BODIES: 470, 1470
EYE MANIFESTATIONS: 359, 413, 425, 465, 1983, 2181, 2290, 2695, 3492, 3924, 4241
EYE MOVEMENTS: 749, 1121, 2740, 2912, 3451
EYE NEOPLASMS: 398, 470, 1435, 1866, 1955, 2001, 2629, 3498, 4102
EYE PROTEINS: 466
EYEBROWS: 3664
FACE: 503, 1983, 2288, 3010, 3790, 4088
FACIAL BONES: 2048
FACIAL DERMATOSES: 3360
FACIAL EXPRESSION: 721, 3381
FACIAL HEMIATROPHY: 1091
FACIAL MUSCLES: 232, 2872
FACIAL NEOPLASMS: 2594, 3164, 3360
FACIAL NERVE: 1693, 2135
FACIAL PARALYSIS: 2135, 2601, 4276
FACTOR V: 2871
FACTOR VIII: 285, 867, 1576, 3127
FACTOR IX: 2762, 3127
FACTOR X: 2908
FACTOR XII: 2159
FACTOR ANALYSIS, STATISTICAL: 128, 1632, 2954
FAD: 2186, 2447, 2868
FALLOPIAN TUBE NEOPLASMS: 2262
FALLOPIAN TUBES: 169, 377, 487, 771, 1146, 1371, 1496, 1640, 2226, 2433, 2890, 2926, 2987, 4083
FALSE NEGATIVE REACTIONS: 1633
FALSE POSITIVE REACTIONS: 1399, 1532
FAMILY CHARACTERISTICS: 1458, 4199
FAMILY PLANNING: 45, 123, 609, 697, 1843, 1913, 2964, 3071, 3283, 3742, 3757, 3869, 3881, 4104
FANCONI SYNDROME: 1237, 2063, 2109, 3254
FARMER'S LUNG: 3427
FASCIA LATA: 4241
FAST NEUTRONS: 2906
FASTING: 36, 171, 202, 411, 476, 746, 793, 1345, 1589, 1765, 1773, 1850, 2107, 2317, 2397, 2405, 2500, 2587, 2734, 2844, 2981, 3109, 3138, 3145, 3374, 3480, 3504, 3552, 3971, 4108
FATIGUE: 793, 4264
FATIGUE, MENTAL: 2698, 2742
FATS: 659, 1238, 2295, 3600, 3984
FATS, UNSATURATED: 3182
FATTY ACID DESATURASES: 3137
FATTY ACID SYNTHETASE COMPLEX: 568
FATTY ACIDS: 248, 567-568, 578, 780, 786, 825, 1178, 1269, 1461, 1604, 1706, 1773, 1992, 2219, 2500, 3074, 3461, 3767, 3787, 4116
FATTY ACIDS, NONESTERIFIED: 567-568, 951, 1234, 1556, 1976, 2055-2056, 2197, 2210, 2219, 2438, 2442, 2507, 2521, 2595, 2720, 2783, 2844, 2915, 2988, 3029, 3109, 3338, 3345, 3667, 3787, 3813, 3896, 3924, 4038
FATTY ACIDS, UNSATURATED: 743, 780, 1653, 1992, 3137, 3256, 4116, 4248
FATTY ACIDS, VOLATILE: 3787
FATTY ALCOHOLS: 710, 3787
FATTY LIVER: 93, 124, 326, 1178, 2630, 2923, 3194, 3608
FEAR: 529, 993, 3264, 3267
FECES: 171, 205, 243, 679, 731, 962, 1198, 1711, 1817, 1927, 1968, 2228, 2358, 2635, 2929, 3011, 3379, 3793, 3822, 4050, 4116
FEEDBACK: 200, 282, 283, 355, 358, 505, 537, 588, 779, 816, 852, 1073, 1108, 1119, 1357, 1839, 2077, 2213, 2437, 2640-2641, 2877, 2993, 3057, 3100, 3351, 3449, 3520, 3669, 3755, 3758, 3764, 3921
FEEDING BEHAVIOR: 56, 80, 160, 181, 253, 375-376, 620, 622, 859, 947, 982, 1078, 1128, 1210, 1551, 1662, 1779, 1933-1934, 2179, 2210, 2224, 2242, 2432, 2556, 2569-2570, 2860, 3176, 3184, 3221, 3257, 3300, 3327, 3365, 3467, 3489, 3573, 4103, 4108
FEES AND CHARGES: 3363, 4271
FELTY'S SYNDROME: 1964
FEMALE: 2, 5, 10-16, 26, 32-34, 36, 38-42, 45, 47-53, 58, 60-61, 63, 67-69, 71, 79, 81, 85, 87-88, 90, 93-95, 99, 102, 107-108, 111, 114-115, 121-123, 126-128, 130-134, 137-139, 144-146, 148, 153-155, 158-159, 161, 163, 165-166, 168-169, 171-172, 175-177, 180-181, 184-186, 188, 191-193, 196-197, 199, 201, 206-207, 216, 218-219, 221-222, 225, 231, 234, 238, 241, 243, 246, 250-253, 256, 259, 261-262, 264-265, 267, 274-275, 281-282, 284, 289, 291, 293, 295, 297-299, 305-307, 310, 313-315, 320, 326, 328-329, 332, 337-339, 341-342, 344, 347, 349-354, 358-359, 361, 364-365, 367-368, 372, 374, 377, 381-385, 388, 393, 395-398, 401, 405, 407-409, 411-412, 416-420, 423-425, 427, 429, 431-433, 438-442, 446, 448, 450, 452, 455-456, 458, 463-464, 467, 473-474, 477, 483, 487, 489-490, 493, 498-499, 505-506, 510-511, 513-514, 518, 521, 523, 526-529, 532-537, 549-551, 554, 559-561, 563, 567-570, 573, 577, 585, 588-590, 592, 598, 601-604, 606, 608-609, 613-614, 616, 618-621, 623-624, 628-629, 631, 635-637, 639-640, 642-643, 650, 654-655, 657, 659-660, 663, 666, 669-670, 675, 677-679, 681, 685, 687, 689, 693-694, 696-697, 699, 704-705, 710, 713-718, 720-721, 723, 725, 728-729, 731, 734, 736, 738, 740, 744, 746-751, 753, 755, 757, 764, 767-768, 770-775, 777, 779-780, 782-783, 787-791, 793, 795-796, 798-799, 801-802, 804-805, 807-808, 812, 814, 816, 820, 824-825, 827, 837, 842, 848, 850, 858, 860, 862-865, 867, 869, 872, 875-877, 880, 882, 887-889, 896-901, 903, 905, 907, 909, 914-915, 919, 922, 925, 928-929, 931, 933-937, 945, 947, 949-950, 952, 956, 959, 962, 967, 972-973, 976, 979, 983-984, 986-987, 989, 991, 994-997, 999, 1001-1003, 1006, 1008, 1012-1013, 1018, 1020, 1024-1026, 1032-1033, 1035-1039, 1041-1042, 1053-1056, 1063-1064, 1067, 1070-1072, 1076-1077, 1081, 1083, 1085-1086, 1091, 1093, 1095-1097, 1099-1100, 1105-1107, 1113, 1119, 1129-1130, 1132-1136, 1139-1141, 1145-1146, 1149-1150, 1153-1154, 1156, 1159-1165, 1167-1172, 1176, 1179 1183, 1191, 1193-1196, 1203-1205, 1209-1211, 1213, 1215, 1219, 1223-1224, 1226, 1228, 1230-1232, 1235-1237, 1241-1242, 1244, 1246-1248, 1250, 1252-1253, 1255, 1257-1260, 1262, 1265, 1270-1274, 1277-1278, 1283, 1286, 1288, 1291-1294, 1299-1301, 1304, 1306-1307, 1309-1311, 1313-1315, 1319, 1321, 1323-1324, 1326-1327, 1331-1338, 1340-1341, 1344, 1349-1352, 1358-1360, 1367, 1371, 1373-1374, 1378, 1380-1383, 1388, 1390-1392, 1394, 1396, 1398, 1402, 1405-1406, 1409-1411, 1413, 1415, 1418-1419, 1421, 1428-1430, 1433, 1436, 1438-1440, 1444, 1447, 1455-1456, 1458-1459, 1461-1462, 1464-1466, 1472-1473, 1476, 1478, 1481-1482, 1484, 1486, 1494, 1497-1501, 1507-1508, 1512, 1517, 1519-1520, 1522, 1524-1525, 1532, 1534-1535, 1540, 1542, 1545, 1554, 1556, 1558, 1560-1562, 1564, 1569, 1571-1573, 1575-1576, 1578-1579, 1584, 1588, 1591, 1593-1594, 1597, 1599-1604, 1607-1608, 1612-1613, 1619, 1621, 1623, 1625, 1629-1631, 1633-1634, 1637, 1640-1643, 1645, 1649, 1652, 1655, 1657, 1663, 1667-1669, 1671, 1675-1678, 1680, 1683, 1686, 1689-1690, 1694, 1701-1702, 1704, 1707-1708, 1710-1711, 1720, 1724-1725, 1732, 1735, 1737-1738, 1744, 1746-1751, 1753-1754, 1756, 1758-1759, 1761-1765, 1768, 1770-1771, 1778-1781, 1784-1785, 1791-1792, 1796, 1798, 1803-1806, 1809, 1812, 1815, 1818, 1820-1821, 1823, 1829-1830, 1834-1840, 1843-1845, 1848-1849, 1852, 1858-1860, 1863, 1866, 1869-1870, 1872-1873,

1875, 1877-1879, 1882, 1887-1888, 1890-1891, 1896, 1903-1904, 1906, 1909, 1913-1915, 1918-1919, 1921-1922, 1926, 1934-1937, 1940, 1942-1943, 1947, 1949-1950, 1952, 1955-1958, 1961-1962, 1965-1966, 1968, 1971, 1974-1976, 1979, 1983, 1985, 1990, 1992, 1994-1995, 1998, 2000, 2006, 2010, 2012, 2016-2017, 2020-2021, 2023, 2025-2027, 2031, 2033, 2036-2037, 2041, 2043-2045, 2047-2048, 2052, 2057-2058, 2060-2061, 2063, 2065, 2069-2070, 2075-2076, 2078-2079, 2081-2082, 2084-2085, 2088, 2094, 2096-2097, 2099, 2102, 2107, 2109, 2112, 2114, 2120, 2122, 2127, 2129-2130, 2133, 2136 2137, 2139-2140, 2146, 2149-2150, 2155, 2157, 2162-2163, 2165, 2169, 2173-2175, 2177, 2180-2183, 2185, 2188, 2191, 2193-2195, 2202, 2204, 2210, 2212-2214, 2217, 2223, 2226-2227, 2229-2230, 2235-2238, 2241-2242, 2244, 2248, 2250, 2253, 2256-2257, 2262-2266, 2268-2275, 2278, 2282, 2284-2287, 2289-2291, 2295, 2298, 2305, 2307-2308, 2312-2313, 2316, 2318, 2321-2322, 2324, 2326, 2330, 2333, 2335, 2340-2341, 2343-2345, 2349, 2351, 2354-2355, 2365-2366, 2370, 2373, 2375, 2377, 2381, 2384, 2389-2390, 2392-2393, 2395, 2402, 2406-2408, 2411-2412, 2414-2416, 2419, 2423-2425, 2427-2429, 2431, 2435, 2439-2442, 2445, 2449-2450, 2453-2454, 2456, 2460, 2463-2464, 2466-2467, 2472-2473, 2476, 2482, 2484-2486, 2488, 2492, 2494, 2497, 2501-2502, 2509, 2511, 2513, 2515-2518, 2523-2525, 2527, 2529, 2532, 2535, 2538-2539, 2541-2543, 2548-2549, 2551-2555, 2557-2558, 2563, 2566, 2568, 2571, 2573, 2584-2585, 2588-2589, 2594-2596, 2599-2602, 2604, 2610-2613, 2615, 2617, 2623-2626, 2629, 2636, 2638, 2641, 2643, 2646-2648, 2652, 2654-2656, 2658-2660, 2663-2664, 2666-2667, 2670-2671, 2674-2675, 2678-2679, 2681-2683, 2686-2693, 2698-2697, 2699-2700, 2702, 2707-2711, 2713, 2721, 2723-2725, 2727, 2735, 2739, 2741-2742, 2746, 2748, 2750-2753, 2756-2757, 2759-2760, 2762, 2764, 2766, 2768, 2776, 2781-2782, 2788, 2790-2795, 2798, 2800-2801, 2804, 2808, 2810-2812, 2817-2819, 2821-2822, 2826-2828, 2833-2834, 2836, 2839-2840, 2843, 2845-2846, 2851, 2856, 2862-2863, 2869, 2871-2872, 2874-2877, 2882-2883, 2886-2888, 2890, 2892-2893, 2898-2899, 2901, 2905, 2907, 2909, 2911, 2914, 2920-2921, 2925-2926, 2934-2937, 2939, 2943, 2948-2951, 2953-2955, 2957-2958, 2963-2966, 2969-2972, 2974, 2978-2977, 2985, 2987-2988, 2990-2992, 2999-3000, 3002, 3005, 3007, 3009, 3011-3014, 3016-3017, 3023, 3026-3027, 3032, 3034-3035, 3037-3039, 3042, 3046, 3049-3051, 3053-3054, 3056, 3063, 3065-3068, 3071, 3075, 3077-3078, 3080-3082, 3084, 3088-3098, 3102, 3108, 3111, 3114, 3119, 3121-3124, 3129 3132, 3134-3137, 3140-3146, 3148-3149, 3151-3152, 3154-3155, 3157, 3159, 3162-3164, 3167, 3171, 3173-3174, 3179-3180, 3184, 3189, 3194-3195, 3198, 3201, 3203-3205, 3208, 3210-3213, 3215, 3218-3220, 3222, 3225, 3229-3230, 3233, 3235, 3237-3238, 3245, 3247, 3251, 3253, 3255, 3258-3261, 3266-3267, 3271, 3273, 3276-3279, 3283, 3285-3289, 3291-3293, 3296-3301, 3306, 3309-3311, 3313, 3315, 3319, 3322-3324, 3326-3327, 3329, 3332, 3334-3335, 3337-3339, 3341-3343, 3351, 3354-3359, 3362, 3364-3365, 3367, 3371, 3375, 3379, 3381, 3383-3384, 3391-3393, 3395, 3401, 3403, 3407-3409, 3412-3413, 3415, 3420-3423, 3425, 3428-3431, 3434-3437, 3439-3440, 3443, 3447-3449, 3458-3459, 3463-3464, 3466-3467, 3471-3472, 3478, 3480, 3483, 3486, 3492-3493, 3495-3496, 3500-3503, 3506-3507, 3509, 3511-3512, 3514-3515, 3520, 3522-3523, 3526-3531, 3533, 3535, 3537, 3539, 3541-3542, 3544-3548, 3553, 3557-3559, 3561, 3563-3565, 3567-3569, 3573-3577, 3580, 3582, 3586, 3590-3591, 3593-3594, 3597-3601, 3603-3604, 3606, 3611, 3615-3616, 3620-3623, 3627, 3631-3632, 3634, 3636, 3638-3639, 3641-3642, 3644-3645, 3647-3650, 3652, 3654, 3657-3658, 3660-3662, 3665-3666, 3668, 3672-3673, 3675, 3680-3682, 3685-3686, 3688-3690, 3692-3693, 3696, 3703, 3705, 3707, 3710, 3713-3715, 3717-3725, 3727-3728, 3737, 3741-3742, 3745, 3752, 3759-3760, 3763-3764, 3766-3768, 3770, 3773-3775, 3785-3787, 3791, 3797-3798, 3800, 3803, 3805, 3809, 3811, 3815-3816, 3818, 3820, 3822, 3824, 3829-3831, 3833-3834, 3836-3837, 3843, 3845-3846, 3854, 3860, 3864, 3867-3873, 3877-3879, 3881-3883, 3886-3887, 3892-3893, 3897-3898, 3900-3901, 3905-3906, 3908, 3912, 3915, 3917-3918, 3923-3924, 3931, 3935-3936, 3938, 3942-3943, 3949-3952, 3956, 3960, 3962, 3966, 3971, 3973-3974, 3977-3980, 3982-3983, 3985, 3987, 3992-3993, 3995-3996, 3998, 4002, 4006, 4008, 4011, 4016, 4019, 4021, 4023-4024, 4026, 4028, 4030-4033, 4038-4043, 4045, 4048, 4052-4054, 4059-4060, 4063-4064, 4066-4067, 4070, 4072-4073, 4076-4077, 4079 4080-4081, 4083-4084, 4088, 4092, 4094-4095, 4097, 4101-4105, 4107, 4109, 4115, 4119, 4123-4124, 4128-4130, 4134-4135, 4137, 4142-4143, 4145, 4149-4152, 4155-4156, 4159, 4166-4168, 4170, 4172, 4176-4177, 4182, 4184, 4188-4193, 4197-4200, 4207, 4209, 4214, 4216-4217, 4223-4224, 4226-4228, 4230-4231, 4235-4236, 4240-4242, 4250-4251, 4254, 4260, 4263, 4265, 4268, 4274, 4277-4282, 4287, 4291-4293, 4295-4296

FEMINIZATION: 3171, 4094
FEMORAL ARTERY: 386, 3296, 3305, 4236
FEMORAL FRACTURES: 599, 1053, 1337, 2066, 3105
FEMORAL NEOPLASMS: 2249
FEMORAL VEIN: 2555, 3296, 3852
FEMUR: 67, 112, 196, 243-244, 341, 422, 644, 912, 954, 957, 962, 1208, 1246, 1395, 1478, 1666, 1800, 1855, 1910, 1927, 2361, 2371, 2784, 3105, 3181, 3234. 3328, 3566, 3649, 3663, 3779, 3794, 3799, 3942, 4009, 4160
FEMUR HEAD: 257, 1926, 2459, 2914, 3520, 3706
FEMUR HEAD NECROSIS: 2149, 2459, 3620, 4087
FEMUR NECK: 2914
FENFLURAMINE: 376, 951, 1078, 1779, 2912
FERREDOXINS: 1302
FERRITIN: 1684, 3858
FERROCYANIDES: 3083
FERTILITY: 45, 61, 339, 409, 609, 771, 877, 1114, 1164, 1221, 1235, 1673, 1913, 2031, 2155, 2535, 2690, 2907, 2920-2921, 2954, 3162, 3218, 3283, 3881, 3943, 4028, 4199, 4237
FERTILIZATION: 487, 750, 864, 1003, 1095, 1146, 1153, 1168, 1484, 1708, 2114, 2155, 2898, 2921, 3632, 3786, 3992, 4023
FETAL DEATH: 38, 123, 207, 332, 339, 678, 691, 1652, 1676, 1689, 1801, 1839, 1949, 2155, 3123, 3343, 3434, 4028, 4040, 4054
FETAL DISEASES: 258, 274-275, 577, 691, 744, 1042, 1277, 1323, 1340, 1619, 1652, 1657, 1758, 2137, 2460, 2999, 3096, 3123, 3235, 3310, 3343, 3409, 3434, 3479, 3638, 3800, 4054, 4200
FETAL GLOBULINS: 437-438, 1025, 3919
FETAL HEART: 691, 2804, 3310, 3343, 3728
FETAL HEMOGLOBIN: 2971
FETAL MEMBRANES: 192, 1203, 2633, 2730, 4200
FETUS: 39, 66, 88, 123, 207, 256, 258, 274-275, 303, 367, 410, 441, 521, 526, 577, 635, 675, 711, 815, 862, 864, 991, 1018, 1031, 1177, 1273-1274, 1277, 1335, 1390, 1494, 1523-1524, 1676, 1683, 1729, 1754, 1792, 1806, 1853, 1949, 2023, 2027, 2045, 2270, 2316, 2334, 2370, 2460, 2557, 2674, 2808, 2834, 2999, 3121, 3134, 3140, 3213, 3310, 3335, 3443, 3509, 3517, 3636, 3638, 3681, 3696, 3833, 3864, 3893, 3901, 4033, 4104, 4129, 4160, 4282, 4296
FEVER: 446, 579, 1047, 1172, 1412, 1474, 1694, 2328, 3033, 3312, 3870, 4264
FEVER OF UNKNOWN ORIGIN: 554, 3900
FIBER OPTICS: 4149
FIBRIN: 63, 528, 1576, 1627, 4105, 4246
FIBRINOGEN: 543, 896, 1376, 1512, 1576, 2013, 2438, 2780, 3481, 3506, 4214, 4216
FIBRINOLYSIN: 543, 2780, 4214, 4246
FIBRINOLYSIS: 464, 543, 1642
FIBRINOLYTIC AGENTS: 1627, 3863, 4246
FIBROBLASTS: 73-74, 107-108, 231, 337, 873, 1077, 1112, 1337, 1504, 1641, 1786, 1919, 2062, 2412, 2496, 2631, 2978, 3126, 3304, 3581, 3650, 4053, 4180, 4193
FIBROMA: 2345, 2354, 3555, 3782, 4039
FIBROSARCOMA: 59, 2354, 2388, 2632, 2874, 3126, 3130, 3944, 3956
FIBROUS DYSPLASIA OF BONE: 1465, 1520, 2035, 4154
FIBULA: 1855
FILARIASIS: 114
FILARIOIDEA: 114
FILTRATION: 1572, 3369, 3371, 3506, 3626
FINANCING, GOVERNMENT: 45, 3742
FINGER INJURIES: 957
FINGER JOINT: 891, 1353
FINGERS: 71, 549, 624, 891, 1353, 1621, 2562, 4088
FINLAND: 26, 1100
FISH DISEASES: 1442, 1955
FISH LIVER OILS: 3182
FISHES: 72, 82, 195, 288, 325, 400, 617, 632-633, 635, 859-860, 885, 1014, 1125, 1197, 1223, 1326, 1442, 1587, 1736, 1986, 1992, 2040, 2
2799, 2849, 2913, 3114, 3148, 3276, 3
4082, 4237
FISTULA: 2994, 3001
FLATULENCE: 1434
FLAVINS: 318
FLAVOPROTEINS: 1931, 3780
FLICKER FUSION: 1945, 3532
FLOCCULATION: 1633
FLOCCULATION TESTS: 1964
FLORIDA: 2860
FLUCYTOSINE: 1679
FLUDROCORTISONE: 164, 1150, 1378,
FLUFENAMIC ACID: 164
FLUOCINOLONE ACETONIDE: 128, 5
2688, 4112, 4244
FLUORESCEINS: 1650, 3325, 3613, 38
FLUORESCENCE: 20, 283, 286, 350, 7
1655, 1734, 1956, 2355, 2755, 2858, 2
3182, 3216, 3738, 3834, 3836, 3854, 3
FLUORESCENCE ANGIOGRAPHY: 34
1486, 1815, 3005, 4111-4112
FLUORESCENCE SPECTROMETRY:
389, 494, 839, 1308, 1733-1734, 1810,
1939, 2020, 2117, 2138, 2186, 2507-25
2537, 3038, 3063, 3182, 3321, 3422, 3
3864, 3922, 3925-3927, 3963, 4267
FLUORESCENT ANTIBODY TECHNI
546, 673, 754, 866, 881, 889, 921-922
1173, 1537, 1542, 1558, 1907, 1990,
2395, 2520, 2564, 2582, 2674, 2681,
3165, 3347, 3856, 3861, 3867, 3957,
4060, 4098, 4165
FLUORESCENT DYES: 724, 2564, 39
FLUORIDATION: 1099, 1926, 3429
FLUORIDE POISONING: 2829
FLUORIDES: 74, 540, 686, 702, 1099,
1811, 2012, 2523, 2750, 2829, 3181,
3297, 3429, 3507, 3734, 3848, 4025,
FLUORIDES, TOPICAL: 2002
FLUORINE: 574, 631, 1099, 1813, 24
3419, 4285
FLUOROACETATES: 478, 1635
FLUORODEOXYURIDINE: 1659, 379
FLUOROMETHOLONE: 1679
FLUOROMETRY: 467, 791, 945, 100
1219, 1446, 1646, 1692, 1767, 1840,
2038, 2161, 2469, 2536, 3092, 3120,
FLUOROSCOPY: 298
FLUOROURACIL: 210, 842, 1904, 2
3558, 3598, 3616, 4100
FLUOXYMESTERONE: 1453
FLUPHENAZINE: 823, 1679
FLUPREDNISOLONE: 2076, 4241
FLUROXENE: 1817, 2450, 3892
FMN: 3780
FOLIC ACID: 2950, 3380, 3674, 380
FOLIC ACID ANTAGONISTS: 701,
FOLIC ACID DEFICIENCY: 513, 1
FOLLICULITIS: 1943, 2219
FOLLOW-UP STUDIES: 26, 45, 106
339, 343, 767, 837, 844, 1020, 1100
1301, 1411, 1458, 1496, 1581, 1952
2073, 2288, 2445, 2543, 2548, 2588,
2695, 2753, 2763, 2777, 2907, 3013,
3151, 3214, 3220, 3276, 3421, 3425,
3557, 3656, 3715, 3718, 3872, 3923,
4107
FOOD: 1945, 3793
FOOD ADDITIVES: 2419, 3548
FOOD ANALYSIS: 3385, 3426
FOOD CONTAMINATION: 2075
FOOD DEPRIVATION: 230, 253, 3
1425, 1934, 2179, 2210, 2556, 3852
4148
FOOD HABITS: 178, 1300
FOOD MICROBIOLOGY: 4277
FOOD PREFERENCES: 1210, 2242,
3264, 4148
FOOD PRESERVATION: 4277
FOOT: 322, 984, 1246, 1377, 1414,
FOOT-AND-MOUTH DISEASE VIR
FOOT DERMATOSES: 835
FOOT DISEASES: 1536, 2718
FOREARM: 352-353, 1634, 2239
FOREIGN BODIES: 1217, 3164
FOREIGN BODY REACTION: 957
FORELIMB: 207, 2005, 2666, 3547
FORENSIC DENTISTRY: 71
FORENSIC MEDICINE: 1687, 2157

LIBRARY U. OF I. URBANA-CHAMPAIGN

: 2896, 3654
0
1931, 2251, 4119, 4244
ATION: 3234, 4013
ATION, INTERNAL: 1395, 4013
ATION, INTRAMEDULLARY:
3, 3015, 3106, 3340, 4087
ONTANEOUS: 1006, 1947, 2764,
655, 4761
1302
220, 248, 1941, 1969, 2264
G. 3673
770, 892, 1002, 1510, 2715-2716,
633, 915, 1015
VANT: 1282, 3278, 4065
TAXIA: 299, 1771
YNDROME 2048
288, 439, 471, 504, 745, 1138,
1848, 1969, 2046, 2080, 2143,
2749, 2831, 3170, 3209, 3240,
4219
1524
442, 1882, 2221, 2399, 2595,
3782
1230-1231, 1410, 1632, 1842, 3140
OSPHATASE: 3374
SPHATE ALDOLASE: 72
PHATES: 2381
1312, 1550-1551
8, 382, 405, 430, 468-469, 475,
715, 751, 757, 868, 898, 923,
108, 1120, 1122, 1148-1149, 1153,
1309, 1336, 1405, 1481, 1623,
1831, 1906, 1929-1930, 1936-1937,
2155, 2201, 2256-2257, 2280-2281,
2497, 2573, 2589, 2592,
2649, 2671, 2709-2710, 2723-2725,
2865, 2930, 2963, 3045, 3066,
3135, 3204, 3225, 3239, 3273,
3391-3392, 3435, 3478, 3542,
3618, 3697, 3754-3755, 3775,
4109, 4189, 4192, 4227, 4300
0
4, 4156
483, 1573, 1815, 3005
NS: 3419
DUSTRIAL: 1949, 2999
015
3, 1669, 2105, 2230, 2255, 2415,
4251, 4284
5
941
73
: 1574
3303
21, 445
3, 105, 299, 428, 500, 703,
2101, 2403, 3100, 3303, 3366
1699
ETHIODIDE: 2430, 2472
1285, 3011
3342, 3342
RESPONSE: 503, 1165, 1373,
IN: 54, 64, 293, 652, 1018, 1439,
3225, 3480, 3662, 3694, 4041,
IN, 78: 1590
IN, 198: 3719, 4098
189, 2849, 3873
NOMIC: 46, 107, 283, 507, 1016,
1912, 2015, 2116, 2449, 3209,
: 20, 200, 742, 2858, 3484, 3514,
L: 3749, 3770, 3954
IA. 956, 1890
OCKADERS: 2081, 2943, 3145,
MULANTS: 3228
1967, 3966, 3982

GANGRENE: 624, 2127, 2356
GASTRECTOMY: 3236
GASTRIC ACIDITY DETERMINATION: 122, 572, 1199
GASTRIC FISTULA: 1199
GASTRIC JUICE: 122, 572, 920, 1096, 1138, 1199, 1495, 1883, 1898-1899, 2733-2734, 3125, 3612, 4044
GASTRIC MUCOSA: 122, 209, 560, 1069, 1096, 1199, 1538, 1883, 2294, 2733, 2960, 3170, 4044
GASTRIN: 205, 209, 310, 382, 1171, 1495, 1616, 1898-1899, 2960, 3463, 3851, 4184
GASTROENTERITIS: 595
GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE: 2520
GASTROINTESTINAL DISEASES: 111, 391, 811, 1021, 1434, 1771, 2096, 2241, 2705, 2722, 3164, 3186, 3900
GASTROINTESTINAL HORMONES: 480, 1898-1899, 2733-2734
GASTROINTESTINAL MOTILITY: 593, 789, 1096, 1847, 3475, 3822, 4044
GASTROINTESTINAL NEOPLASMS: 866, 1454, 2001, 2674, 2863
GASTROINTESTINAL SYSTEM: 456, 833, 1096, 1285, 1400, 1457, 1566, 1711, 1801, 1817, 2722, 2904, 2950, 3252, 3372, 3400, 3571, 4044
GASTRONE: 1898-1899
GASTROSCOPY: 811
GEESE: 124, 625
GEL DIFFUSION TESTS: 360, 597, 642-643, 713, 959, 1025, 1452, 1765, 1844, 2341, 2385, 2529, 2582, 2681, 3352, 3438, 3506, 3549, 3643, 3871, 3922, 3979, 4066, 4195
GEL FILTRATION: 23, 59, 72, 186, 331, 363, 432, 456, 472, 497, 568, 658, 713, 763, 804, 810, 861, 923, 959, 1002, 1031, 1072, 1089, 1120, 1123, 1149, 1158, 1177, 1187, 1268, 1273, 1280, 1431, 1452, 1539, 1544, 1596, 1650, 1685, 1729, 1785, 1795-1796, 1844, 1868, 1906, 1930, 1936, 1977, 2110, 2122, 2251, 2384-2385, 2424-2425, 2660, 2715, 2765, 2767, 2884-2885, 2963, 2972, 2996, 3059, 3287, 3331, 3348-3349, 3361, 3386, 3405, 3422, 3460, 3538, 3540, 3549, 3570, 3572, 3580, 3588, 3643, 3767, 3802, 3963, 4029, 4074, 4109, 4189, 4192, 4214
GELS: 514, 1946, 2160, 3488
GENE FREQUENCY: 3211
GENERAL PRACTICE: 793, 1820
GENERALIZATION, STIMULUS: 2620
GENES: 105, 875, 1852, 2040, 3060, 3152, 3635, 3858, 4170, 4180, 4194
GENES, DOMINANT: 452, 1179, 1836, 1965, 2907, 3060
GENES, LETHAL: 2907
GENES, RECESSIVE: 199, 774, 873, 1153, 1836, 2392, 2483, 2666, 2762, 3060
GENES, REGULATOR: 748, 774, 2840
GENES, STRUCTURAL: 2308, 3243, 3366
GENES, SUPPRESSOR: 2188, 3243
GENETIC CODE: 1037, 1577, 2023, 3113, 3366
GENETIC COMPLEMENTATION TEST: 1568, 1889, 2360
GENETIC COUNSELING: 342, 789, 1323, 1612, 1652, 1836, 3090, 4155
GENETICS: 2978, 3464
GENETICS, BEHAVIORAL: 206, 368, 820, 1004, 1165, 1940, 2323, 3936, 3940, 4170
GENETICS, BIOCHEMICAL: 2188, 3303, 3833
GENETICS, HUMAN: 337, 789, 1174, 1323, 3134, 3428, 4103
GENETICS, MICROBIAL: 74, 346, 1568, 3107, 3303
GENICULATE BODIES: 1287, 2620
GENITAL DISEASES, MALE: 3555
GENITALIA: 506, 807, 1055, 2005, 2024, 3370, 3811
GENITALIA, FEMALE: 601, 755, 808, 2270, 3273, 3421, 3639
GENITALIA, MALE: 625, 965, 1311, 1673, 1782, 2270, 2398, 2403, 3074, 3273, 3838, 4195
GENOTYPE: 206, 337, 436, 867, 1612, 1809, 1946, 1965, 2040, 2218, 3100, 3114, 3303, 3936, 3982, 4132, 4168, 4170
GEOGRAPHY: 3801
GERBILS: 110, 114, 198, 649, 908, 1164, 1468, 1969, 2978, 3641, 3817, 4043, 4143
GERIATRICS: 2685
GERM CELLS: 706, 1037, 1949, 3114, 3852, 4187, 4224
GERM-FREE LIFE: 1814, 2879
GERM LAYERS: 153
GERMANY: 3678
GERMANY, EAST: 3007
GERMANY, WEST: 128, 275, 402, 2137, 2685, 3007, 3123
GESTATIONAL AGE: 38, 66, 123, 256, 275, 409-410, 441, 446, 553, 573, 675, 691, 720, 740, 815, 864, 989, 991, 1018, 1081, 1273, 1277, 1500, 1524, 1579, 1641, 1657, 1668, 1676, 1694, 1754, 1806, 1834, 1849, 1859, 2027, 2137, 2250, 2274, 2278, 2370, 2460, 2511, 2532, 2710, 2759, 2800, 2808, 2834, 2858, 2898, 3065, 3090, 3097, 3208, 3213, 3255, 3258, 3281, 3409, 3428, 3434, 3443, 3550, 3563-3564, 3696, 3870, 3878, 3901, 4054, 4058, 4107, 4129, 4160, 4224
GIANT CELL TUMORS: 2393, 2674
GIBBERELLINS: 1372, 3544
GIGANTISM: 132, 533, 3132
GILLS: 288, 617, 1014-1015, 1923, 1992, 2170, 2216, 2835
GINGIVA: 1741, 2008, 2313
GINGIVAL DISEASES: 4230
GINGIVAL NEOPLASMS: 3242
GINGIVITIS: 121, 3747
GLASS: 1541, 1620
GLAUCOMA: 333, 466, 969, 1138, 1435, 1470, 2237, 4075
GLIBENCLAMIDE: 3201
GLIOMA: 406, 693, 1086, 1470, 1658, 1762, 2189, 2444, 3521, 3627
GLIOSIS: 2298, 2796
GLOBULINS: 546, 606
GLOMERULAR FILTRATION RATE: 527, 670, 1094, 1230, 1388, 1487, 1980, 1999, 2063, 2109, 2238, 2258, 2310, 2461-2462, 2582, 3068, 3389, 3680, 4210, 4251
GLOMERULONEPHRITIS: 541, 738, 896, 942, 1667, 1707, 2301, 2582, 2846, 3358, 4098, 4142, 4235
GLOSSOPHARYNGEAL NERVE: 2135
GLOTTIS: 4198
GLUCAGON: 119, 137, 171, 346, 382, 702, 1104, 1151, 1157, 1345, 1495, 1505, 1616, 1729, 1766, 1895, 1898-1899, 1912, 2055, 2111, 2147, 2206, 2489, 2500, 2591, 2952, 3248, 3294-3295, 3317, 3394, 3411, 3481, 3614, 3692, 3712, 3833, 3848, 4032, 4298
GLUCOCORTICOIDS: 93, 164, 174, 319, 355, 404, 542, 592, 599, 661, 776, 882, 911, 1163, 1285, 1272, 1296, 1407, 1547, 1829, 1860, 2061, 2238, 2280, 2298, 2301, 2352, 2444, 2462, 2546, 2601, 2631, 2720, 2838, 3098, 3115, 3334, 3344, 3371, 3431, 3531, 3557, 3559, 3568, 3570, 3616, 3619, 3785, 3824, 3862, 4142, 4211, 4232, 4249, 4266
GLUCOCORTICOIDS, TOPICAL: 295, 766, 2688, 2934, 4137, 4244, 4285
GLUCOKINASE: 1410
GLUCONATES: 2327
GLUCONEOGENESIS: 119, 809, 1773, 3847, 4003, 4052
GLUCOSAMINE: 1112, 1574, 2293, 4168
GLUCOSAMINIDASE: 2403
GLUCOSE: 3, 36, 93, 137, 177, 259, 404, 500, 582, 643, 651, 763, 830, 918, 1033, 1035, 1062, 1127, 1178, 1220, 1234, 1348, 1383, 1410, 1506, 1571, 1604, 1766, 1846, 1850, 1860, 1900, 1923, 1951, 1981, 2062, 2100, 2109, 2238, 2272, 2327, 2361, 2369, 2410, 2480, 2500, 2567, 2579, 2592, 2898, 3100, 3205-3206, 3230, 3368, 3393, 3411-3412, 3440, 3533-3534, 3581, 3625, 3692-3693, 3721, 3813, 3852, 3971, 3997, 4000, 4003, 4052, 4156, 4168
GLUCOSE OXIDASE: 2592, 3021
GLUCOSE TOLERANCE TEST: 36, 55, 85, 137, 259, 533, 577, 636, 756, 900, 1000, 1019, 1056, 1299, 1338, 1444, 1519, 1532, 1539, 1571, 1604, 1978, 2107, 2210, 2291, 2405, 2410, 2595, 2671, 2822, 2988, 3002, 3138, 3185, 3205, 3338, 3504, 3693, 3883, 3912, 3938, 3953
GLUCOSEPHOSPHATASE: 1335, 2586, 3320, 3374, 3833, 3976
GLUCOSEPHOSPHATE DEHYDROGENASE: 381, 746, 748, 1076, 1306, 1575, 1946, 2306, 2548, 2552, 2622, 2755, 2898, 3259, 3311, 3486, 3784, 3788, 4128
GLUCOSEPHOSPHATES: 1773, 2715
GLUCOSIDASE: 2898, 3973
GLUCOSYLTRANSFERASES: 1402, 1951, 2567, 2715, 2838, 2898, 3477
GLUCURONATES: 393, 474, 1152, 1553, 2124, 2302, 3056, 3670, 3703
GLUCURONIDASE: 214, 607, 775, 898, 1005, 1695, 2403, 2619, 2785, 2840, 3586, 4259

GLUTAMATE DEHYDROGENASE: 2151, 2552, 2584, 2940, 3466, 4128
GLUTAMATES: 515, 1729, 2559, 2735, 2940, 3280, 3514, 3533, 4052
GLUTAMINE: 2391, 3533, 3849, 4052
GLUTAMINE SYNTHETASE: 3100
GLUTARATES: 3325
GLUTATHIONE: 325, 894, 1288, 2614, 2947, 3311
GLUTATHIONE REDUCTASE: 2947
GLUTEN: 2100
GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE: 1082
GLYCERIC ACIDS: 1773, 3977
GLYCERIDES: 567-568, 1234, 1301, 1992, 2844, 3345, 3787, 4038
GLYCERIN: 3, 119, 1846, 1895, 1900, 1951, 1981, 2147, 2892, 3303, 3460, 3667, 3693, 3699, 3786, 3814, 4038
GLYCEROLPHOSPHATE DEHYDROGENASE: 995, 2308, 2552, 4186
GLYCEROPHOSPHATES: 780, 865, 1514, 3137
GLYCERYL TRINITRATE: 2172, 4266
GLYCINE: 975, 1577, 1723, 1892, 1991, 2578, 2971, 3533, 4052
GLYCOGEN: 119, 918, 1056, 1234, 1725, 1834, 1923, 2147, 2165, 2206, 2706, 2757, 2898, 2952, 3206, 3477, 3592, 3667, 3844, 3887, 3970, 4003, 4128-4129, 4256
GLYCOGEN PHOSPHORYLASE: 1635, 1944, 1951, 2489, 2567, 3374, 3784, 3802
GLYCOGEN SYNTHETASE: 1635, 1951, 2567, 2607, 2715, 3477, 3978
GLYCOGENOSIS: 1402, 2902, 3973
GLYCOLATES: 2215
GLYCOLIPIDS: 428, 2016, 3650
GLYCOLS: 149, 1426, 1811, 1890, 1963, 2090, 2101, 2540, 3017
GLYCOLYSIS: 187, 897, 1689, 2327, 3439-3440, 4000, 4168
GLYCOPEPTIDES: 23, 1574, 3348
GLYCOPROTEINS: 303, 881, 1148, 1329-1330, 1376, 1419, 1489, 2008, 2132, 2627, 3714, 3859
GLYCOSIDE HYDROLASES: 2403, 3477, 3909
GLYCOSIDES: 188, 1031, 1915, 2101, 2578, 3488, 3786, 3909
GLYCOSURIA: 3314
GLYCOSURIA, RENAL: 2109
GLYOXAL: 2965
GOATS: 258, 410, 602, 605, 682, 887, 1303, 1452, 1708, 1764, 1785, 1792, 2420, 2529, 2598, 2652, 2661, 2871, 3043, 3322
GOITER: 37, 46, 69, 84, 203, 297, 384, 526, 956, 967, 1306, 1515, 1690, 1791, 1863, 2095, 2136, 2213, 2445, 2516, 2554, 2739, 2781, 2911, 3054, 3201, 3262, 3452, 3531, 3825, 3843, 4064, 4223, 4279, 4286
GOITER, ENDEMIC: 141, 277, 721, 843, 998, 1080, 1380, 1567, 1649, 2006, 3013, 3037, 3095, 3097, 3385, 3426, 3660, 3818, 3878
GOITER, EXOPHTHALMIC: 92, 218, 453, 470, 518, 688, 876, 1013, 1045, 1278-1279, 1435, 1744, 1928, 2169, 2553, 2588, 2603, 2740, 2745, 2966, 3032, 3151, 3214, 3384, 3452, 3581, 4042, 4139, 4286
GOITER, NODULAR: 739, 1013, 1563, 1747, 2833, 3142, 3452, 3486, 3526, 3660, 3843, 4286
GOITER, SUBSTERNAL: 981
GOLD: 1407, 1620, 2361, 2976, 3031, 3368
GOLD COLLOID, RADIOACTIVE: 801
GOLD THIOMALATE: 2490, 2976, 3368
GOLGI APPARATUS: 268, 291, 390, 560, 692, 972, 1114, 1226, 1834, 1853, 2129, 2152, 2263, 2549-2550, 2612, 2714, 2723, 2968, 3190, 3268, 3304, 3401, 3483, 3648, 3816, 4224
GONADOTROPINS: 10, 87, 146, 284, 314, 1003, 1055, 1309, 1375, 1508, 1831, 1838, 1929, 1942, 1979, 2113, 2120, 2724-2725, 2845, 2852, 2936, 3375, 3422, 3520, 3544, 3764, 3775, 3931, 3951, 3962, 3994, 4109, 4229
GONADOTROPINS, CHORIONIC: 70, 159, 166, 284, 437-438, 505, 684, 704-705, 713-715, 751, 755, 757, 798, 840, 858, 898, 914, 923, 989, 1083, 1095, 1148-1149, 1171, 1180, 1193, 1314, 1336, 1363, 1475, 1484, 1508, 1560, 1633, 1782, 1827, 1831, 1838, 1859, 1929, 1979, 2114, 2120, 2250-2251, 2456, 2523, 2529, 2598, 2622, 2627, 2652, 2746, 2779, 2807, 2821, 2845, 2898, 2971, 2983, 3118, 3165, 3169, 3236, 3370, 3375, 3391-3392, 3412, 3542, 3544, 3584, 3632, 3697, 3714, 3792, 3870, 3931, 3995, 4023, 4026, 4040, 4074, 4217, 4237, 4254, 4267, 4280
GONADOTROPINS, EQUINE: 864, 1001, 1336, 2120, 2155, 2746, 2969, 3339, 3901, 4023
GONADOTROPINS, PITUITARY: 143, 249, 358, 751, 898, 1122, 1146, 1191, 1236, 1381, 1673, 1752, 1936, 2118, 2257, 2272, 2473, 2549, 2640, 2724-2725, 2930, 2948, 3066, 3091, 3129, 3132, 3204, 3273, 3597, 3764, 3938
GONADS: 699, 863, 934, 1071, 1223, 1398, 1437, 1665, 1843, 1923, 1957, 2164, 2326, 2344, 2497, 2517, 2555, 2768, 2798, 2866, 3121, 3149, 3204, 3218, 3279, 3370, 3407, 3548, 3671, 3696, 3719, 4224, 4269, 4278
GONORRHEA: 3000
GOUT: 41, 557, 1558, 2330, 2459, 2654, 2679, 3545, 4073
GOVERNMENT AGENCIES: 3742
GRAAFIAN FOLLICLE: 429, 535, 660, 677, 914, 1095, 1146, 1197, 1309, 1371, 1702, 1778, 1828, 1909, 2139, 2527, 2746, 3506, 3657
GRAFT REJECTION: 231, 254, 292, 407, 460, 637, 1167, 1267, 1416, 1419, 2237, 2448, 2795, 3408, 3748, 4090, 4255
GRAFT VS HOST REACTION: 66, 1528, 2218, 3046, 3232
GRAIN: 3427, 3544
GRAM NEGATIVE BACTERIA: 142, 592
GRANULATION TISSUE: 3663
GRANULOMA: 415, 1342, 1389, 1444, 1692, 1974, 2922, 3174, 3187, 3360, 3829
GRANULOMA, REPARATIVE GIANT CELL: 4230
GRANULOSA CELL TUMOR: 1382, 1753, 2625
GRASSHOPPERS: 4077
GRAVITATION: 67, 4170
GREAT BRITAIN: 302, 1471, 3086, 3929, 4283
GREECE: 1436
GROOMING: 61, 628, 976, 1933, 2542, 3285
GROSS VIRUS: 1704, 2448
GROWTH: 61, 71, 396, 721, 1139, 1277, 1690, 2419, 2437, 2921, 3036, 3401, 3430, 3577, 3692
GROWTH DISORDERS: 533, 654, 678, 789, 844, 1071, 1306, 1401, 2073, 2149, 2164, 2316, 2460, 2973, 3012, 3029, 3081, 3132, 3425, 3435, 3638, 3765, 3995, 4088, 4218
GROWTH SUBSTANCES: 708, 2267
GUANETHIDINE: 386, 809, 1435, 1634, 2467, 3822, 4069
GUANIDINES: 9, 809, 861, 1639, 1733, 2080, 3206, 3655, 3925
GUANINE NUCLEOTIDES: 125, 351, 637, 680, 1308, 1577, 2101, 3248, 3386
GUANOSINE: 4121
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE: 62, 220, 471, 497, 980, 1157, 1284, 1308, 1539, 1572, 1695, 1729, 1851, 2103, 2815, 2959, 3230, 3366, 3386, 3683, 3731, 3783, 3821, 4055, 4131
GUANOSINE TRIPHOSPHATE: 2051, 3317, 3364, 3756
GUANYL CYCLASE: 4131
GUINEA PIGS: 107, 173, 212-213, 225, 227, 292, 311-312, 377, 566-567, 623, 706, 790-791, 827, 885, 899, 1026, 1087, 1138, 1187, 1287, 1342, 1368, 1389-1390, 1431, 1468, 1480, 1483, 1553, 1626, 1695, 1701-1702, 1778, 1851, 1936-1937, 1967, 2032, 2052, 2080, 2143, 2167, 2219, 2236, 2245, 2341, 2376, 2394, 2421, 2470, 2525, 2586, 2609, 2690, 2722, 2783, 2829, 2869-2870, 2896, 2946, 2952, 3073, 3075, 3105, 3108, 3113, 3202, 3209, 3251, 3272, 3542, 3565, 3643, 3695, 3699, 3748, 3772, 3795, 3815, 3819, 3824, 3850, 3861, 3867, 4008, 4024, 4118, 4171, 4189, 4297
GYNECOLOGIC DISEASES: 601, 867, 1162, 1606, 1645, 1932
GYNECOLOGIC NEOPLASMS: 699, 1952, 1957, 2810
GYNECOLOGY: 728
GYNECOMASTIA: 34, 2034, 2514, 3010, 3219, 3236, 3555, 3897
GYRUS CINGULI: 3591
HABITUATION (PSYCHOPHYSIOLOGY): 228, 1004, 1373, 3777, 4213
HAEMOPHILUS INFLUENZAE: 3249
HAIR: 685, 1637, 2326, 2376, 3947, 4231
HAIR REMOVAL: 685
HALF-LIFE: 229-230, 296, 535, 543, 909, 959, 1137, 1261, 1368, 1576, 1867, 1942, 2296, 2410, 2584, 2593, 2638, 2776, 2925, 2965, 3004, 3342, 3382, 3516, 3570, 3710, 3921, 4085
HALLUCINATIONS: 563, 2648
HALLUCINOGENS: 104, 729, 870, 2729, 3241, 3524
HALLUX VALGUS: 1763
HALOGENS: 2443
HALOPERIDOL: 2120, 3382, 4034-40
HALOPROGIN: 1679
HALOTHANE: 504, 1099, 2458, 2472, 3280, 3704, 4203-4204
HAMARTOMA: 2686
HAMSTERS: 174, 213, 303, 351, 36
698, 1033, 1138, 1164-1165, 1659,
1878, 1962, 1969, 2254, 2263, 2791
2956-2957, 3204, 3210, 3270, 3437,
3964, 4147, 4180
HAND: 235, 767, 984, 2239, 2562,
HAND DERMATOSES: 835
HANDLING (PSYCHOLOGY): 2140
HAPLOIDY: 1946, 2978, 3279
HAPTENS: 2395, 3021
HAPTOGLOBINS: 1376, 1765
HAVERSIAN SYSTEM: 1414
HAY FEVER: 1718, 1862, 2801
HEAD: 1428, 1524, 2083, 2594, 36
HEAD INJURIES: 1658, 2648
HEADACHE: 281, 338, 2328, 2936,
3993, 4138, 4287
HEALTH FACILITIES: 3869
HEALTH MANPOWER: 3071
HEALTH SURVEYS: 1756
HEARING DISORDERS: 2601, 301
HEART: 9, 43, 59, 114, 225, 406,
886, 983, 999, 1071, 1370, 1374,
1731, 1817, 1912, 2012, 2015, 20
2143, 2147, 2190, 2367, 2404, 24
2742, 2744, 2769, 2857, 2938, 30
3232, 3407, 3550, 3562, 3571, 36
3748, 3767, 3871
HEART ARREST: 1383, 2230, 319
HEART ARREST, INDUCED: 215
HEART ATRIUM: 84, 2177, 3550,
HEART AUSCULTATION: 3343
HEART BLOCK: 90, 96, 931, 224
HEART CATHETERIZATION: 90
HEART CONDUCTION SYSTEM:
1457, 2190, 3012, 3209, 3770, 37
HEART DEFECTS, CONGENITAL
2801, 3409, 4067
HEART DISEASES: 43, 401, 509,
1324, 1415, 2096, 2172, 3164, 32
HEART ENLARGEMENT: 89, 44
1175, 1324, 1530, 1897, 2039, 2
4296
HEART FAILURE, CONGESTIVE
1324, 1434, 1897, 1918, 1980, 2
2673, 3084, 3642, 3778
HEART FUNCTION TESTS: 406,
HEART, MECHANICAL: 3062
HEART NEOPLASMS: 3771
HEART RATE: 43, 126, 225, 22
354, 386, 440, 479, 584, 606, 7
999, 1124, 1165, 1175, 1370, 13
1812, 1972, 2046, 2177, 2197, 2
2591, 2742, 2804, 3036, 3062, 3
3728, 3774, 3823, 3830, 3835, 3
4236, 4266
HEART SEPTAL DEFECTS, VE
HEART SURGERY: 479
HEART VENTRICLE: 886, 2404,
HEARTWATER DISEASE: 330
HEAT: 48, 152, 180, 390, 545, 5
712, 1040, 1150, 1243, 1347, 15
1728-1729, 1774, 1813, 1828, 19
2101, 2199, 2253, 2314, 2428, 2
2920-2921, 2932-2933, 2985, 352
3810, 3819, 3860, 3916, 3981, 4
4172, 4213, 4243
HEAVY CHAIN DISEASE: 371
HEDGEHOGS: 2024
HEEL: 1377
HELA CELLS: 1741, 2564, 2755,
HELIANTHUS: 1627
HELMINTHS: 750
HELPER VIRUS: 1577
HEMADSORPTION: 2520
HEMAGGLUTINATION: 495
HEMAGGLUTINATION INHIBI
1633, 2743, 3238, 3544
HEMAGGLUTINATION TESTS:
903, 1907, 2553, 2992, 3810, 3
HEMANGIOENDOTHELIOMA:
HEMANGIOMA: 33, 1658, 3164,
HEMANGIOMA, CAVERNOUS:
HEMANGIOPERICYTOMA: 275

LIBRARY U. OF L. URBANA-CHAMPAIGN

3851
854
3, 82, 163, 204, 354, 513, 602,
1576, 1713, 1817, 1880, 1964,
9. 2339, 2364, 2591, 2661, 2966,
, 3454, 3608, 3858, 3916, 4117
DISEASES: 391, 2705, 3299
, 514, 580, 1239, 2341, 3039, 3214,
: 139, 1339-1330, 1477, 1600, 1749,
C STEM CELLS: 1777
C SYSTEM: 1696
0, 943, 1067, 1732, 3127
343, 1486, 1658, 2936
OBIS: 2953
9424
109, 460, 549, 590, 738, 906,
, 1067, 1896, 2084, 2126, 2230,
, 3454, 4188, 4249
HOME: 460
: 43, 592, 1175, 1196, 1387, 1897,
, 2933, 3461, 3749
047, 1111, 1514, 1765, 1959, 1968,
, 2339, 2543, 2971, 3908, 4117
ETRY: 354, 613, 1514, 1576, 1959,
, 4231
ABNORMAL: 1155
IA, PAROXYSMAL: 3292
141, 4077
072, 3719, 4239
, 1069, 1707, 2236, 3292
AQUE TECHNIC: 385, 1072, 2515,
MIC SYNDROME: 477, 738
5, 867, 2908, 3127
2, 981, 1423
04, 297, 330, 384, 417, 580, 584,
137, 1240, 1423, 1433, 1805, 2059,
, 2071, 3127, 3465, 3698, 4007,
GASTROINTESTINAL: 608, 1423,
POSTPARTUM: 1170, 2814, 4040
DIATHESIS: 3127
DISEASE OF NEWBORN: 1423
THROMBOCYTHEMIA: 3885
2585
, 542, 1316, 2212
19, 3780, 3498
1433
0, 308, 363, 425, 483, 552, 579,
1067, 1301, 1511, 1947, 1976, 2020,
, 2340, 3693, 3913-3914, 4072,
VATE: 2008
151, 532, 725
2025
393, 1200, 1696, 1777, 1964, 1982,
MOLOGOUS SERUM: 744, 1982
ECTIOUS: 460, 1479, 1982, 1990,
IC: 165, 2705, 3496, 3892
SES: 1962
ULAR DEGENERATION: 299
436, 725, 746, 748, 866, 1543,
, 3113, 3388, 2496, 3126, 3371,
, 3621, 3848, 3919, 4121, 4168
, 2630, 2966, 3347, 3496
77
90
SEASES: 780, 1612, 2360, 3765
ISM: 1310, 1472, 2324, 2375, 2866,
, 3781
TION: 135
414
X: 138, 3167
: 1782, 2135, 2818, 2917
, OCULAR: 483
360
OMINIS: 360, 2687, 3167
NFECTIONS: 3628
ATIN: 1202, 2985, 3625
: 337, 364, 381, 971, 1078, 1482,
, 3060, 3211, 3739, 3833, 3962
IENE: 2585, 2934

HEXAMETHONIUM COMPOUNDS: 1181, 1222, 2081, 2857, 2735, 3228
HEXEDINE: 128
HEXOBARBITAL: 1152, 1264, 1876, 3760
HEXOKINASE: 530, 1308, 1410, 2530, 3439-3440
HEXOSAMINES: 1150, 1574, 1800
HEXOSAMINIDASES: 3982
HEXOSES: 23, 3286, 3375
HEXOSYLTRANSFERASES: 3925
HIBERNATION: 1474, 2024, 3058, 3961, 4092
HIGHER NERVOUS ACTIVITY: 932
HINDLIMB: 270, 1949, 2005, 2666, 2718, 3560
HIP: 880, 2914, 3296, 3545
HIP DISLOCATION, CONGENITAL: 1763
HIP JOINT: 2679, 3499, 3620, 3840
HIPPOCAMPUS: 107, 182, 933, 1060, 1214, 1245, 1357, 1529, 1613, 1699, 1798, 1906, 2067, 2121, 2158, 2387, 2533, 2735, 2737, 2848, 2895, 2982, 3047, 3058, 3103, 3533, 3578, 3817, 4037
HIRSUTISM: 138, 148, 858, 1168, 1839, 2182, 2382, 2484, 2599, 2811, 2970, 3495, 4231
HISTAMINASE: 1735, 3927
HISTAMINE: 179, 311-312, 320, 387, 525, 537, 758, 760, 920, 1219, 1684, 1692, 1924, 2165, 2331, 2355, 2362, 2510, 2546, 2733-2734, 2900, 3040, 3108, 3161, 3170, 3230, 3346, 3456, 3771, 3819, 3927, 3933, 3960, 4073
HISTAMINE LIBERATION: 498, 1281, 1419, 1718, 1862, 2121, 2924, 3040, 3795
HISTIDASE: 3100
HISTIDINE: 134, 444, 515, 878, 3230, 3317, 3990, 4055
HISTIOCYTES: 2877
HISTOCOMPATIBILITY ANTIGENS: 59, 66, 436, 2218, 3046, 3396, 4021
HISTOCOMPATIBILITY TESTING: 436
HISTOCYTOCHEMISTRY: 18, 35, 98, 107, 136, 144, 150, 174, 179, 195, 283, 286, 349-350, 560, 589, 623, 724, 775, 827, 857, 875, 881, 885, 934, 995, 1005, 1009, 1125, 1129, 1283, 1337, 1398, 1473, 1489, 1524, 1564, 1617, 1636, 1655, 1668, 1857, 1890, 1969, 2027, 2153, 2263, 2313, 2331, 2355, 2387, 2499, 2503, 2510, 2549, 2552, 2582, 2622, 2714, 2730, 2785, 2790, 2838, 2858, 2919, 2968, 3014, 3140, 3190, 3194, 3266, 3268, 3322, 3416, 3424, 3477, 3550, 3601, 3656, 3739, 3784, 3788-3789, 3838, 3867, 3887, 3890, 3957, 3985, 3990, 4022, 4159, 4256
HISTOLOGICAL TECHNICS: 213, 550, 918, 1398, 1524, 1611, 1857, 1941, 2236, 2506, 2813, 3632, 3964
HISTOLOGY, COMPARATIVE: 3251, 3304
HISTONES: 1044, 1131, 2303, 3528, 3740
HISTOPLASMA: 150
HISTOPLASMOSIS: 150, 4265
HISTORICAL ARTICLE: 109, 618-619, 728, 1988-1989, 2482, 2901, 3112, 3678, 3828
HISTORICAL BIOGRAPHY: 618-619, 2482, 2855, 2901, 4091
HISTORY OF MEDICINE, 19TH CENT.: 1905, 3828
HISTORY OF MEDICINE, 20TH CENT.: 109, 618-619, 728, 1988-1989, 2482, 2855, 2901, 3112, 3828, 4091
HISTORY OF MEDICINE, MEDIEVAL: 3678
HOARSENESS: 967
HODGKIN'S DISEASE: 94, 796, 801, 836, 1829, 2434, 2485, 2621, 2674, 2686, 2847, 3341, 3382, 3465, 3553, 3726, 3991, 4206
HOLMIUM: 2173
HOME RANGE: 80, 206, 2956
HOMEOSTASIS: 443, 552, 765, 874, 2126, 2910, 2931, 3157, 4295
HOMOCYSTINURIA: 466, 1150, 3254
HOMOSERINE: 2559
HOMOSEXUALITY: 1803, 3865
HOMOSTEROIDS: 2431
HOMOVANILLIC ACID: 29, 1411, 1712, 3233, 3514
HOMOZYGOTE: 971, 1836, 1946, 2188, 3060, 3211, 3739, 3833
HOOKWORM INFECTIONS: 1925
HORMONES: 47, 77, 135, 153, 258, 284, 345, 441, 454, 618, 806, 824, 1012, 1018, 1090, 1094, 1148, 1317, 1363, 1505, 1640, 1656, 1706, 2052, 2091-2094, 2206, 2243, 2433, 2437, 2465, 2601, 2607, 2613, 2655, 2697, 2728, 2849, 2862, 2901, 2952, 3134, 3136, 3185, 3346, 3588, 3617, 3793, 3882, 4205, 4234, 4245, 4300
HORMONES, ECTOPIC: 438, 716, 1171, 1958, 2113, 2171, 2209, 2453, 2514, 2884, 3118, 3159, 3166, 3236, 3792
HORNS: 2270
HORSE DISEASES: 1095, 1412, 1805, 3121, 4151
HORSES: 53, 286, 1087, 1095, 1412, 1555, 1792, 1805, 2343, 2451, 2694, 2845, 3121, 3504, 3512, 4180
HOSPITAL DEPARTMENTS: 2917
HOSPITAL OUTPATIENT CLINICS: 3283
HOSPITAL PERSONNEL: 460
HOSPITALIZATION: 577, 937, 3865
HOSPITALS, COMMUNITY: 1063
HOSPITALS, GENERAL: 1373
HOSPITALS, PSYCHIATRIC: 442
HOSPITALS, TEACHING: 366, 1373, 2917
HOUSEFLIES: 14, 2728
HOUSING, ANIMAL: 15, 80, 152, 181, 198, 206, 228, 468, 628, 649, 712, 737, 778, 890, 933, 1258, 1391, 1550, 1660, 1662, 1933, 2030, 2070, 2179, 2240, 2323, 2455, 2519, 2542, 2571, 2620, 2791-2792, 2954, 2956, 3111, 3573, 3700, 3777, 3852, 3940, 4043, 4081, 4108, 4148, 4212
HUMAN: 1-2, 5-7, 10, 13, 16, 19, 21, 24, 26, 33-34, 39, 41-48, 50-51, 54-55, 58, 60, 62-63, 66, 68-71, 84-87, 89-90, 92-94, 96, 101, 103, 106, 109-112, 118, 121, 123, 126, 128-129, 132-135, 137-142, 144-146, 148, 150, 154-159, 163, 165-167, 171, 175-176, 178-179, 184-185, 189, 191, 193, 199-200, 208-210, 214-215, 218-219, 221-222, 229, 231-232, 234-236, 238, 241, 245-246, 249, 254, 257-259, 261-263, 265-267, 271-275, 277, 281-282, 284-285, 289-290, 293, 295, 297, 299-300, 302, 305-308, 310, 316-317, 319, 328, 331-333, 336-339, 341-343, 345, 347, 352-355, 359, 361, 364, 371-374, 377, 379, 381-384, 391-392, 394, 396-398, 402, 405-406, 409, 411-413, 415-418, 420, 423-425, 427-428, 430, 432-438, 440-442, 444, 446, 448, 450-452, 455, 457-466, 470, 473-477, 479, 483, 486-494, 498-499, 501-503, 510-514, 516, 518, 521, 523-524, 526-527, 533-536, 538, 540, 542, 545, 547-550, 552, 554, 556-557, 559-561, 563, 570-571, 575, 577-581, 583, 585, 588, 590, 592-593, 595, 598-601, 609, 613-614, 616, 618-619, 623-624, 630-631, 634, 636, 638, 645-646, 648, 653-655, 657, 663-664, 666-667, 670, 672-673, 677-678, 682, 685, 687-690, 693, 697, 699-701, 704-706, 709, 713-721, 723-725, 728, 734, 736, 738-740, 744, 747-749, 751-752, 754, 756-757, 764, 766-769, 773, 777, 780, 783, 785, 788-789, 793-794, 796, 798-802, 804-805, 807-809, 811-814, 817, 820-821, 823-826, 833-837, 841-844, 846, 850, 854, 858, 866-867, 869, 872-876, 879-880, 882, 884, 889, 891, 893, 895-897, 900, 903, 906, 909, 921-922, 924, 928-932, 935-938, 940-942, 951-952, 956-957, 959, 963-964, 966-970, 973, 975, 979, 981, 983-984, 986, 988-989, 994, 997, 1000, 1002-1003, 1006, 1008, 1012-1013, 1018-1021, 1023-1026, 1028, 1034-1036, 1038-1039, 1041-1042, 1044-1047, 1049, 1052-1056, 1058, 1063-1065, 1067-1068, 1075-1077, 1079-1081, 1083, 1085-1086, 1088, 1091-1092, 1094, 1096-1097, 1100, 1102-1103, 1105-1109, 1111-1112, 1116, 1119, 1124, 1126, 1129, 1132-1136, 1138-1143, 1145, 1147-1150, 1154
1155-1156, 1159, 1161-1164, 1166, 1168-1175, 1177-1179, 1183, 1185, 1189-1190, 1194-1195, 1197, 1200, 1202-1204, 1206-1207, 1209, 1211-1212, 1214-1215, 1217, 1224, 1227-1231, 1233, 1236-1237, 1239, 1241-1242, 1244, 1246-1248, 1250, 1252-1254, 1260-1263, 1265-1266, 1270, 1275, 1278-1279, 1288-1289, 1291-1294, 1296, 1298-1301, 1304, 1306, 1309, 1313-1317, 1319-1321, 1323-1324, 1328-1330, 1332-1334, 1336, 1338, 1340-1342, 1345-1347, 1349-1351, 1358-1360, 1362, 1364-1365, 1367, 1370, 1373, 1375, 1377-1386, 1389, 1392-1395, 1397, 1399, 1401-1402, 1404-1407, 1410-1411, 1414, 1417-1419, 1421-1424, 1429-1436, 1438, 1440-1441, 1444-1446, 1453-1459, 1463-1467, 1470-1472, 1475, 1479, 1481-1482, 1486-1487, 1491, 1495-1497, 1499, 1503-1504, 1508, 1510-1511, 1515-1517, 1519-1523, 1532-1535, 1537-1538, 1540, 1542-1545, 1548, 1554, 1557-1558, 1560-1563, 1565, 1567, 1569, 1573, 1578-1581, 1584-1585, 1590-1591, 1597, 1600, 1604-1606, 1608, 1610, 1612, 1616, 1619-1622, 1625, 1628, 1630-1634, 1636-1637, 1641-1643, 1645, 1649, 1652, 1658, 1661, 1663, 1667-1671, 1674, 1679-1680, 1683, 1685-1687, 1689-1690, 1694, 1696-1697, 1700, 1703, 1705-1707, 1710-1711, 1713, 1717-1718, 1720, 1732-1735, 1738-1748, 1750, 1753-1754, 1756, 1758-1763, 1768-1769, 1771-1772, 1775-1777, 1780-1782, 1785, 1787-1788, 1791-1792, 1794, 1801, 1803, 1806-1808, 1812, 1815-1818, 1820-1821,

1824-1825, 1827, 1829-1831, 1833, 1835-1839, 1843, 1845, 1849, 1852, 1854, 1856, 1858-1860, 1862-1863, 1865-1866, 1870, 1875, 1877, 1882-1884, 1886, 1890-1891, 1896-1899, 1902-1904, 1911, 1913, 1918, 1920-1922, 1926, 1928-1930, 1932, 1935, 1937-1938, 1940, 1942, 1947-1948, 1950, 1952, 1956-1962, 1964-1965, 1967-1968, 1971, 1973-1974, 1976, 1978-1980, 1982-1985, 1988-1990, 1994, 1996-1998, 2001, 2004, 2006-2007, 2009-2011, 2015, 2017, 2019-2021, 2023, 2025, 2027, 2033-2045, 2050, 2053-2054, 2057-2061, 2066, 2071, 2073, 2076, 2080, 2082-2084, 2087-2088, 2091-2096, 2099-2100, 2102, 2104, 2107
2109-2110, 2112-2115, 2122-2130, 2132, 2135-2137, 2140-2143, 2146, 2148-2150, 2157, 2160, 2162, 2164, 2168-2169, 2171-2172, 2176, 2178, 2180-2183, 2185, 2189, 2191-2192, 2195, 2198, 2201-2204, 2208-2209, 2212-2215, 2219-2220, 2229-2230, 2234-2237, 2239, 2241, 2244, 2248-2254, 2262, 2264, 2266, 2272, 2274-2275, 2278-2285, 2287-2292, 2297, 2301, 2304, 2309-2310, 2314-2317, 2319-2320, 2322, 2330, 2332-2338, 2340, 2342-2343, 2345-2352, 2356, 2358, 2360, 2362, 2364, 2366, 2369-2370, 2373, 2375, 2378, 2380-2381, 2383-2386, 2392-2393, 2395-2396, 2398-2399, 2402, 2405-2406, 2409, 2411-2412, 2414-2416, 2427, 2429, 2433-2435, 2437-2438, 2440-2441, 2443-2445, 2448, 2450, 2453, 2457, 2459-2465, 2471-2473, 2475-2476, 2479-2486, 2490-2492, 2494, 2496, 2499, 2505, 2507-2508, 2511-2513, 2516, 2523-2524, 2526, 2529, 2532, 2543-2544, 2546-2548, 2551-2555, 2561-2565, 2568, 2572-2576, 2580, 2582-2583, 2585, 2588-2590, 2593-2597, 2599-2603, 2607, 2610-2611, 2615-2619, 2621-2623, 2625-2630, 2632, 2641-2642, 2645, 2648, 2651-2655, 2663, 2665, 2667-2668, 2671-2675, 2677-2679, 2682-2686, 2688, 2692-2695, 2699, 2701, 2705, 2708-2709, 2715, 2719-2722, 2724-2727, 2729, 2736-2737, 2739-2742, 2744-2745, 2752-2753, 2755-2756, 2758-2760, 2762-2764, 2771, 2774-2777, 2779-2782, 2785, 2787-2788, 2794-2796, 2801-2802, 2804, 2807, 2810-2812, 2818-2823, 2825, 2827-2828, 2830, 2832-2833, 2836-2837, 2839, 2843, 2845-2847, 2850-2851, 2856, 2858-2860, 2862-2863, 2871-2872, 2874, 2877-2878, 2881, 2883-2884, 2886-2888, 2891-2893, 2900-2905, 2908-2911, 2914-2915, 2918, 2922, 2924-2926, 2928, 2931, 2934-2936, 2938-2939, 2943, 2945-2946, 2950-2953, 2955, 2960-2962, 2964, 2966-2967, 2970-2971, 2974-2977, 2983, 2986-2992, 2994, 3000-3007, 3009-3010, 3012-3016, 3021, 3023-3027, 3029, 3032-3033, 3035, 3037, 3039, 3043, 3048-3050, 3053, 3055-3057, 3060, 3062-3065, 3069-3072, 3075, 3077-3078, 3080-3081, 3084, 3086-3087, 3089-3091, 3094-3099, 3101, 3104-3106, 3110, 3112-3113, 3115
3118-3120, 3122-3124, 3126-3127, 3130-3134, 3136, 3138, 3140, 3142, 3144, 3146-3147, 3151, 3154-3159, 3163-3164, 3166-3167, 3169, 3175-3176, 3178, 3180, 3185-3189, 3191-3192, 3197-3198, 3200-3202, 3204, 3211-3215, 3217-3220, 3222-3225, 3227, 3231, 3233-3236, 3238, 3241, 3243-3246, 3250, 3252-3255, 3258, 3262, 3265, 3272-3273, 3276, 3279, 3281, 3283-3284, 3287, 3291-3293, 3296, 3299, 3301, 3304-3306, 3310, 3312, 3316, 3318-3319, 3324-3326, 3329, 3331-3334, 3340-3344, 3346-3347, 3352, 3354-3355, 3357-3360, 3367, 3369-3370, 3373, 3375, 3380-3385, 3392, 3394-3395, 3397-3399, 3402-3404, 3406, 3410, 3412-3413, 3415, 3417-3418, 3420-3423, 3425-3430, 3432, 3434-3436, 3441-3445, 3447-3454, 3458-3459, 3463-3465, 3469, 3471-3473, 3476-3478, 3483, 3485-3486, 3492-3495, 3498-3501, 3503-3504, 3506-3508, 3511, 3513-3514, 3517, 3519-3521, 3523-3524, 3526-3527, 3529, 3531, 3537, 3539-3540, 3542-3543, 3545, 3550, 3553-3555, 3557-3559, 3563-3565, 3567, 3571, 3574, 3576, 3579-3581, 3583-3585, 3587, 3589-3590, 3593-3595, 3598-3599, 3602-3605, 3612, 3615-3620, 3622, 3626-3629, 3631-3632, 3634, 3638-3640, 3643-3644, 3647, 3649-3650, 3656-3660, 3664-3666, 3670-3671, 3674-3675, 3679-3688, 3691-3694, 3696-3699, 3701, 3703-3709, 3711, 3713-3715, 3717-3718, 3720-3721, 3723-3728, 3730, 3736-3737, 3741-3744, 3749, 3761-3762, 3764-3766, 3768-3770, 3773, 3775-3776, 3778, 3781-3782, 3785, 3790-3793, 3795-3797, 3800-3801, 3807-3808, 3811, 3816, 3818, 3820, 3822, 3825, 3827-3828, 3830-3832, 3836, 3840, 3842-3843, 3845-3846, 3851, 3853-3854, 3856-3857, 3862-3863, 3865-3866, 3868-3870, 3872-3874, 3876-3878, 3880-3883, 3885-3886, 3888, 3892-3895, 3897-3900, 3903, 3905-3906, 3908, 3910-3912, 3915, 3917-3918, 3921-3924, 3927-3935, 3937-3939, 3941-3942, 3946, 3951-3953, 3955-3956, 3961, 3965, 3967, 3969, 3971, 3973-3974, 3977-3984, 3987, 3989, 3991-3993, 3995, 3997-3998, 4004-4005, 4010-4011, 4013, 4016, 4018-4019, 4022, 4024, 4026-4027, 4032, 4035, 4039-4042, 4044
4045-4048, 4051, 4053-4054, 4056, 4060-4061, 4063-4064, 4067, 4070, 4072, 4074-4075, 4078, 4080, 4083, 4086-4089, 4096-4103, 4105, 4107, 4112, 4115-4116, 4119, 4122-4124, 4127, 4130-4131, 4133-4135, 4137-4143, 4150, 4154-4155, 4159-4162, 4164-4165, 4167, 4169, 4173, 4180, 4184, 4188, 4190, 4194, 4197-4200, 4206-4208, 4210, 4214, 4217-4218, 4220, 4223, 4226-4231, 4233, 4235, 4241-4242, 4244, 4248-4250, 4252, 4254, 4256-4257, 4259, 4261-4270, 4272-4277, 4279-4294, 4298, 4300
HUMERAL FRACTURES: 4013
HUMERUS: 232, 644, 696, 1246, 1855, 1927, 2784, 3234, 3576, 3663, 4009, 4013
HUMIDITY: 3427, 4076
HUNGER: 1451, 1934, 2210, 2300, 3184, 3327, 3573, 3852, 4148
HYALIN SUBSTANCE: 3301, 3621
HYALINE MEMBRANE DISEASE: 1808, 3123, 4169
HYALURONIC ACID: 1555, 2132, 2331
HYALURONIDASE: 1555, 1953, 3339
HYBRID CELLS: 748, 4180
HYBRIDIZATION: 337, 1011, 1889, 2564, 4053, 4170
HYDANTOINS: 1040, 3525, 3738
HYDATIDIFORM MOLE: 39, 159, 611-612, 714, 937, 1314, 1499, 1961, 2045, 2532, 2862, 3483, 4026, 4040
HYDRAMNIOS: 577, 3134
HYDRAZINES: 324, 836, 871, 1653, 2967, 3233, 3779, 3959
HYDRAZONES: 2965
HYDROCARBONS: 43
HYDROCARBONS, HALOGENATED: 1099, 1743
HYDROCELE: 1788
HYDROCEPHALUS: 44, 207, 503, 1190, 2999, 3409
HYDROCHLORIC ACID: 480, 2426, 2809
HYDROCHLOROTHIAZIDE: 931, 1634, 1825
HYDROCORTISONE: 55, 63, 96, 106, 154, 164, 174, 177, 181, 234, 278, 357, 383, 404, 413, 425, 430, 433, 481, 494, 510, 521, 523, 530, 532, 543, 555-556, 594, 602, 655, 708, 746, 754, 790-791, 872, 954, 1016, 1046, 1057, 1060, 1064, 1126, 1212, 1216, 1223, 1231, 1272-1274, 1282, 1345, 1376, 1383, 1435, 1472, 1507, 1511, 1519, 1571, 1601, 1604, 1618, 1674, 1692, 1698, 1710, 1729, 1752, 1804, 1813-1814, 1824, 1838-1839, 1876, 1954, 1973, 1978, 1986, 2013, 2020, 2026, 2054, 2086, 2092, 2098, 2107, 2117, 2124, 2168, 2178, 2236, 2238, 2245, 2248, 2252, 2279, 2317, 2322, 2343, 2367, 2384, 2389, 2396, 2401, 2414, 2425, 2438, 2453, 2464, 2472, 2507-2508, 2530-2531, 2551, 2563, 2573, 2584, 2589, 2606, 2631, 2672, 2680, 2694, 2712, 2717, 2741, 2763, 2765, 2786, 2868, 2879, 2887-2888, 2917, 2933, 2975, 3000, 3003-3004, 3007, 3033, 3099, 3108-3109, 3120, 3125, 3139, 3152, 3156-3157, 3166, 3185, 3216, 3229, 3232, 3331, 3362, 3457, 3462, 3481, 3509, 3529, 3541, 3572, 3594, 3603, 3611, 3619, 3629, 3654, 3660, 3687, 3690, 3692, 3708, 3743, 3763, 3766, 3777, 3840, 3844, 3855, 3864, 3883, 3898, 3916, 3921, 3983, 4057, 4097, 4113, 4119, 4204, 4216, 4222, 4232, 4244, 4246
HYDROCORTISONE, TOPICAL: 58, 2225, 2585, 2701, 3622, 4024, 4112
HYDROGEN: 1276, 1728
HYDROGEN-ION CONCENTRATION: 23, 125, 168, 170, 209, 219, 260, 325, 333, 354, 389, 403, 428, 472, 540, 558, 572, 597, 623, 626, 642-643, 782, 878, 886, 1002, 1069, 1101, 1123, 1269, 1284, 1417, 1452, 1488, 1492, 1506, 1514, 1541, 1616, 1647-1648, 1668, 1729, 1733-1734, 1742, 1785, 1868, 1880, 1930, 1953, 1977, 2061, 2099, 2126, 2145, 2227, 2337, 2395, 2426, 2452, 2468, 2471, 2507-2508, 2538, 2540, 2614, 2618-2619, 2634, 2644, 2662, 2812, 2891, 2924, 2984, 3059, 3074, 3170, 3249, 3262, 3317, 3330, 3364, 3399, 3453, 3522, 3538, 3587, 3720, 3731, 3733-3735, 3767, 3802, 3819, 3830, 3855, 3908, 3982, 4011, 4047, 4049, 4055, 4074, 4114, 4186
HYDROGEN PEROXIDE: 325, 1616, 2468, 2894, 3169
HYDROGENATION: 695, 1271, 2211
HYDROLASES: 651, 898, 1005, 1617, 3100, 3973
HYDRO-LYASES: 1114, 3256
HYDROLYSIS: 83, 260, 428, 474, 480, 574, 583, 980, 1031, 1049, 1250, 1574, 1930, 2274, 2374, 2452, 2619, 2627, 3331, 3733, 3756, 3780, 3866
HYDRONEPHROSIS: 207, 2239
HYDROSTATIC PRESSURE: 579,
HYDROTHERAPY: 734
HYDROTHORAX: 4265
HYDROXIDES: 3703
HYDROXOCOBALAMIN: 2358
HYDROXYBUTYRATE DEHYDROG
HYDROXYBUTYRATES: 865
HYDROXYCHOLECALCIFEROL: 4
1050, 1068, 1268, 1561, 1609, 191
3397, 3659
11-HYDROXYCORTICOSTEROIDS:
1688, 2507-2508, 2595, 2688, 3351,
17-HYDROXYCORTICOSTEROIDS:
467, 494, 812, 1142, 1378, 1664,
2614, 2742, 2763, 2783, 2970, 313
3329, 3485, 3616, 3707, 3882, 396
4011, 4187
HYDROXYCORTICOSTEROIDS: 91,
2447, 2680, 4244
HYDROXYDOPAMINE: 35, 124, 2
993, 1078, 1527, 1840, 2432, 2477,
HYDROXYINDOLEACETIC ACID:
735, 1061, 1225, 1251, 1341, 1345,
1644, 1712, 1793, 2038, 2379, 247
3514, 3684, 3972, 4196-4197
HYDROXYLAMINES: 3540
HYDROXYLASES: 348, 1310, 1879,
3925, 4225
HYDROXYLATION: 348, 474, 852,
1268, 1271, 1449, 1646-1647, 2072,
4017
HYDROXYLYSINE: 975, 1031
HYDROXYMERCURIBENZOATES:
HYDROXYPREGNENOLONE: 5, 2
HYDROXYPROGESTERONE: 240,
1310, 1646-1647, 2064, 2724-2725,
HYDROXYPROLINE: 670, 929, 96
1498, 1585, 1800, 1816, 2136, 214
2559, 3115, 3134, 3138, 3296, 332
HYDROXYSTEROID DEHYDROGE
995, 1180, 1276, 1310, 1390, 2227,
2891, 3416, 3656, 3838, 4004
HYDROXYSTEROIDS: 138, 225, 4
1183, 1249-1250, 1304, 1540, 1731,
1905, 2272, 2446, 2628, 2649, 333
3882, 4004, 4062
HYDROXYTRYPTOPHAN: 20, 615
1225, 1251, 1546, 1720, 2307, 291
3607, 4213
HYDROXYUREA: 210, 326, 374,
HYGIENE: 1300
HYMENOLEPIASIS: 161-162
HYPERALDOSTERONISM: 399, 65
1094, 1142, 1260, 1534, 2028, 206
2756, 2763, 3284, 3358, 3680, 387
3930, 4078, 4096
HYPERBARIC OXYGENATION:
HYPERBILIRUBINEMIA: 189, 285
HYPERCALCEMIA: 51, 82, 109,
427, 511, 696, 719, 879, 1012, 12
1487, 1576, 1628, 1667, 1669-1670
2126, 2230, 2416, 2475, 2514, 254
2693, 2878, 2910, 2939, 3025, 307
3272, 3355, 3453, 3688, 3794, 390
4290
HYPERCHOLESTEREMIA: 300, 4
2915, 3476
HYPERGAMMAGLOBULINEMIA:
HYPERGLYCEMIA: 137, 1176, 19
2738, 2910, 3145, 3492, 3934
HYPERINSULINISM: 36, 1289, 13
HYPERKALEMIA: 1021, 1171, 199
HYPERKINESIS: 175, 4288
HYPERLIPEMIA: 300, 424, 1238,
3418, 3885, 4162
HYPERLIPEMIA, ESSENTIAL FA
HYPERNATREMIA: 55, 1472, 282
HYPERPARATHYROIDISM: 109,
510-511, 719, 893, 928-929, 956,
1150, 1186, 1270, 1313, 1495, 15
1713, 1794, 1875, 1960, 2064, 21
2393, 2462, 2544, 2651, 2696, 28
3084, 3156-3157, 3272, 3355, 337
3686, 3723, 3761-3762, 3807, 385
4286-4290
HYPERPARATHYROIDISM, SECO

LIBRARY U. OF L. URBANA, ILLINOIS

...636, 1896, 1910, 2084, 2931, 3156,
...ISM: 2437
...178, 329, 427, 1534, 1735, 1839,
..., 2754, 2785, 3042, 3064, 3187,
..., 3617, 3726, 3776, 4078, 4100
...ITY: 3622
...ITY, DELAYED: 8, 47, 332, 436,
..., 3862, 4195, 4255
...ITY, IMMEDIATE: 407, 1862,
...I: 747
..., 263, 435, 449, 493, 563, 588,
...06, 913, 968, 1020-1021, 1023-1024,
..., 1174-1175, 1280, 1399, 1417,
..., 1825, 1920, 2081, 2099, 2147,
..., 3449, 3460, 3467, 3610, 3642,
..., 3153-3153, 3301, 3358, 3406,
..., 3672, 3900, 3906, 3934, 3939,
..., 4072, 4078, 4162, 4247
...MALIGNANT: 588, 3492
...PORTAL: 1515
...PULMONARY: 3863
...RENAL: 136, 317, 449, 968,
..., 1102, 1280, 2105, 2255, 2610,
...ISM: 218, 246, 272-273, 297, 307,
...33, 510, 526, 534, 557, 570, 647,
..., 841, 903, 959, 1013, 1041, 1056,
..., 1270, 1346, 1373, 1376, 1380,
..., 1716, 1740, 1744, 1747, 1760,
..., 1994, 2021, 2050, 2176, 2191,
..., 2285, 2289, 2333, 2336, 2348,
..., 2588, 2623, 2641-2642, 2740,
..., 2908, 3024, 3144, 3151, 3189,
..., 3432, 3476, 3486, 3571, 3590,
..., 3843, 3896, 3899, 3924, 3946,
..., 4074, 4089, 4122, 4140, 4223,
...OLUTIONS: 1383, 1615, 2097,
..., 4174
...S: 235, 2648, 3650
...306, 943, 1124, 1381, 2044, 2277,
..., 3128, 3284, 3416, 3520, 4253
...) SEDATIVES: 135, 917, 1679,
..., 68, 191, 209, 443, 670, 1039,
..., 2910, 2994, 3084, 3281, 3394,
...PLEXUS: 4171
...NERVE: 610
..., 137, 189, 202, 347, 655, 709,
...338, 1566, 1958, 2432, 2677, 2910,
..., 3692, 3983, 4052, 4127
..., 70, 394, 858, 873, 1424, 1645,
..., 2505, 2655, 2856, 2909, 2983,
..., 3273, 3670, 3775, 3955
...2342, 2880, 2902, 3284, 4174
..., 439, 890, 1487, 2910, 4174
...OIDISM: 68, 297, 852, 1346,
..., 2953, 3157, 3272, 3281, 3599,
..., 3842
...ASIA: 2146
...EMIA, FAMILIAL: 452, 3675
...MY: 25, 40, 131, 146, 186, 291,
...30, 551, 584, 633, 683, 735, 745,
...91, 1005, 1014, 1066, 1083, 1137,
..., 1343, 1374-1375, 1507, 1526,
...1702, 1773, 1838, 1892, 1937,
...2047, 2087, 2140, 2156, 2216,
..., 2297, 2371-2372, 2408, 2667,
..., 2830, 2835, 2867-2868, 2972,
..., 3136, 3217, 3230, 3315,
...3410, 3412, 3414, 3422, 3582,
..., 3760, 3826, 3834, 3847, 3938,
..., 4106, 4183, 4243
...EM: 70, 353, 473, 924, 1036, 1139,
..., 1748, 1762, 1938, 2017,
...2437, 2641, 2667, 3132, 3520,
...IA: 2317
...1311, 4318
...9, 214, 606, 1540, 2081, 3680,
...ORTHOSTATIC: 85, 1159, 1634,
...HYPOPHYSEAL SYSTEM: 131,
...94, 349, 355, 383, 454, 496, 576,
...585, 1066, 1236, 1375, 1381, 1405,
1445-1446, 1562, 1700, 1703, 1719, 1762, 1938, 2019, 2024, 2140, 2257, 2405, 2435, 2437, 2441, 2444, 2464, 2640, 2660, 2677, 2759, 2811, 2840, 2854, 2993, 3018, 3023, 3037, 3092, 3128, 3148, 3204, 3251, 3273, 3315, 3344, 3357, 3391, 3416, 3435, 3449, 3520, 3583, 3665, 3707, 3764, 3867, 3955, 3961, 3975, 4022, 4227, 4234

HYPOTHALAMUS: 35, 65, 80, 104, 107, 124, 143, 152, 160, 175, 178, 180, 213, 253, 256, 263, 268, 270, 280, 304, 321-322, 344, 347, 349-350, 355, 358, 375-376, 386, 420, 442, 462, 496, 507, 517, 525, 551, 558, 564, 566, 569, 572, 576, 610, 620, 622, 658, 712, 737, 741-742, 756, 804, 821, 859-860, 890, 897, 925, 944, 947, 949, 951, 971-972, 978, 982, 991-993, 1003, 1036, 1043, 1059-1060, 1078, 1087, 1108, 1117, 1121, 1124, 1168, 1193, 1205, 1219, 1225, 1236, 1285, 1287, 1289, 1307, 1331, 1357, 1366, 1370, 1381, 1405, 1451, 1457, 1474, 1480, 1493, 1525, 1529, 1546, 1582, 1599, 1624, 1681-1682, 1697, 1699, 1712, 1719, 1774, 1795-1796, 1798-1799, 1832, 1839, 1885, 1894, 1916-1917, 1922, 1933-1934, 1936-1937, 1945, 1963, 1972, 2000, 2014-2015, 2019, 2030, 2067, 2070, 2079, 2097, 2119-2120, 2133, 2148, 2158, 2179, 2210, 2224, 2242, 2257, 2286, 2300, 2302, 2325, 2328, 2361, 2387, 2399, 2413, 2420, 2432, 2436-2437, 2469, 2495, 2498, 2519, 2533, 2550-2551, 2556, 2569-2570, 2581, 2587, 2589, 2595-2596, 2604, 2620, 2640, 2660, 2677, 2703-2704, 2707, 2712, 2732, 2738, 2759, 2767, 2772-2773, 2796, 2816-2817, 2848, 2852, 2864, 2883, 2912, 2919, 2959, 2974, 2979, 2982, 2993, 3016-3019, 3037, 3047, 3058, 3073, 3079, 3091-3092, 3102-3103, 3129, 3165, 3176, 3210, 3221, 3257, 3267, 3300-3302, 3327, 3329, 3354, 3368, 3376, 3390, 3393, 3405, 3422, 3433, 3467-3468, 3489, 3515-3516, 3520, 3532-3533, 3556, 3567, 3573, 3578, 3608, 3629, 3637, 3653, 3709, 3751, 3758, 3764, 3770, 3774, 3817, 3823-3824, 3860, 3897, 3945, 3984, 3996, 4014-4015, 4022, 4031, 4068-4069, 4071, 4122, 4136, 4148, 4148, 4152, 4182, 4212-4213, 4215, 4236, 4288

HYPOTHERMIA: 1245, 2796, 3016, 3948

HYPOTHERMIA, INDUCED: 2121, 3192

HYPOTHYROIDISM: 185, 203, 218, 246, 263, 297, 307, 368, 405, 526, 539, 646, 739, 758, 799, 826, 843-844, 869, 958, 967, 1080, 1174, 1184, 1240, 1346, 1376, 1418, 1448, 1503, 1567, 1703, 1744, 1776, 1994, 2125, 2149, 2213, 2231, 2492, 2588-2589, 2837, 2902, 2973, 3012-3014, 3023-3024, 3037, 3054, 3132, 3151, 3177, 3200, 3205, 3214, 3286, 3452, 3474, 3476, 3486, 3526-3527, 3605, 3895, 3946, 3979, 4010, 4089, 4117, 4122, 4226

HYPOTONIC SOLUTIONS: 390, 1587, 3389, 3534

HYSTERECTOMY: 159, 487, 1211, 1286, 1496, 1702, 2088, 2241, 2282, 2616, 2926, 2987, 3658, 3665, 3918, 4260, 4280

HYSTERIA: 723, 1486, 1697, 3967

HYSTERICAL PERSONALITY: 3967

HYSTEROSALPINGOGRAPHY: 614, 3421, 4083

IATROGENIC DISEASE: 1263, 3863

ICHTHYOSIS: 58, 1179, 2563

IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 1324, 2172, 2642

IDOXURIDINE: 969, 1537, 1557, 1907

IGA: 332, 371, 896, 1717, 2208, 2341, 2385, 3540, 3711, 4066, 4165

IGD: 2847, 4165

IGE: 783, 1718, 2881, 4165

IGG: 238, 332, 365, 371, 518, 548, 613, 896, 1068, 1072, 1076, 1227, 2132, 2214, 2341, 2385, 2395, 2824, 2871, 3506, 3529, 3581, 3603, 3711, 4066, 4165

IGM: 371, 548, 896, 1072, 1076, 1717, 2385, 2395, 3506, 3711, 4066, 4098, 4165

ILEOSTOMY: 1932, 2892

ILEUM: 789, 1285, 1382, 1386, 1400, 1677, 1932, 2018, 2068, 2232, 2239, 2539, 2704, 2869, 2886, 3254, 4118

ILIAC ARTERY: 1684

ILIAC VEIN: 2555

ILIUM: 670, 2309, 3235, 3805

IMIDAZOLES: 134, 372, 508, 652, 1352, 1560, 1826, 2186, 2430, 2586, 3040, 3230

IMIDES: 3470

IMINES: 3008

IMIPRAMINE: 28, 324, 945, 1654, 3170, 3362

IMMERSION: 86, 1245

IMMOBILIZATION: 67, 100, 459, 696, 1711, 1805, 1848, 2455, 2470, 2738, 2783, 2920, 3234, 3560, 3981, 4009

IMMUNE ADHERENCE REACTION: 92, 1045

IMMUNE COMPLEX DISEASE: 579

IMMUNE SERUMS: 5, 59, 109, 240, 285, 303, 331, 382, 546, 666, 768, 866, 881, 923, 1000, 1072, 1177, 1228, 1311, 1431, 1452, 1549, 1578, 1633, 1648, 1704, 1936, 2062, 2232, 2260, 2385, 2395-2396, 2496, 2520, 2529, 2598, 2633, 2845, 2960, 2992, 3014, 3043, 3048, 3149, 3272, 3294, 3325, 3339, 3352, 3614, 3683, 3748, 3835, 3845, 3871, 4180, 4189

IMMUNE TOLERANCE: 54, 2681, 3871

IMMUNITY: 233, 407, 436, 464, 846, 903, 1925, 2515, 3719, 3861, 3944, 4142

IMMUNITY, ACTIVE: 2225

IMMUNITY, CELLULAR: 47, 66, 154, 199, 768, 986, 1045, 1346, 1415, 1558, 1678, 1760, 2334, 2515, 2728, 3427, 3862, 4020-4021, 4060-4061, 4142, 4165, 4255

IMMUNIZATION: 240, 436, 678, 1415, 1578, 1862, 1925, 2341, 2485, 2778, 3278, 3719, 4066, 4175

IMMUNIZATION, SECONDARY: 1072

IMMUNOASSAY: 313, 1633, 1958, 2822, 3029, 3457

IMMUNOCHEMISTRY: 3438, 3867, 4297

IMMUNOELECTROPHORESIS: 371, 460, 486, 546, 867, 923, 2132, 2214, 2341, 2385, 2529, 3325, 3506, 3714, 4214

IMMUNOGENETICS: 285, 4020

IMMUNOGLOBULIN FRAGMENTS: 371, 1076, 2385, 3748

IMMUNOGLOBULINS: 59, 434, 579, 1076, 1928, 3603, 3965, 3979, 4042, 4066

IMMUNOGLOBULINS, FAB: 3748, 3922

IMMUNOGLOBULINS, FC: 371

IMMUNOGLOBULINS, FD: 702

IMMUNOLOGIC DEFICIENCY SYNDROMES: 66, 199, 2208, 2214, 3231, 3711, 4098

IMMUNOLOGIC DISEASES: 579, 3885

IMMUNOLOGIC TECHNICS: 1937

IMMUNOLOGY: 3543, 4175, 4221, 4300

IMMUNOSUPPRESSION: 436, 460, 638, 666, 896, 1070, 1167, 1299, 1439, 1625, 1925, 2348, 2740, 3062, 3232, 3810, 3862, 4142

IMMUNOSUPPRESSIVE AGENTS: 319, 413, 460, 638, 654, 1018, 1133, 1282, 1419, 1663, 1678, 1749, 2102, 2490, 2795, 3862, 4005, 4100, 4105, 4142, 4150

IMMUNOTHERAPY: 373, 2832, 3021

IMPOTENCE: 1021, 1295, 2201, 2648, 2825, 3697

IMPRINTING (PSYCHOLOGY): 1624

IMPULSIVE BEHAVIOR: 2775

IN VITRO: 9, 57, 91, 117, 121, 125, 153, 223-224, 227, 234, 239, 260, 271, 278, 286-287, 294, 298, 311, 335, 348, 408, 414, 421, 426, 478, 508, 519, 522, 535, 544, 565, 582, 644, 658, 669, 683, 788, 804, 810, 849, 855, 873, 883, 886, 894, 945, 965, 1018, 1022, 1049, 1062, 1106, 1110, 1112, 1120, 1153, 1164, 1177, 1282, 1310, 1318, 1322, 1347-1348, 1361, 1368, 1387, 1398, 1408, 1426-1427, 1449-1450, 1469, 1475-1476, 1485, 1509, 1527, 1541, 1560, 1598, 1653, 1656, 1713, 1715, 1724, 1731, 1736, 1741, 1752, 1755, 1783, 1832, 1847, 1862, 1876, 1924, 1928, 1973, 1993, 2012, 2055, 2064, 2080, 2106, 2111, 2116-2117, 2119, 2123, 2131, 2145, 2147, 2153, 2211, 2236, 2279, 2338, 2353, 2355, 2357, 2367, 2385, 2400, 2410, 2430-2431, 2433, 2456, 2474, 2502, 2510, 2523, 2572, 2592, 2660, 2676, 2733, 2803, 2826, 2831, 2849, 2868-2869, 2873, 2892, 2898, 2908, 2947, 2959, 2968, 2971, 2997, 3045, 3070, 3108, 3117, 3170, 3206, 3227-3228, 3240, 3274-3275, 3280, 3316, 3321, 3350, 3380, 3390, 3405, 3506, 3539, 3552, 3565, 3570, 3577, 3581, 3586, 3609, 3632, 3645-3646, 3655, 3668, 3676-3677, 3687, 3710, 3731, 3736, 3744, 3750, 3753, 3772, 3795, 3804, 3825, 3850, 3875, 3884, 3886, 3891, 3937, 3954, 3959, 4021, 4024, 4029, 4062, 4085, 4093-4094, 4120, 4167-4168, 4171, 4187, 4207, 4219, 4225, 4244

INBREEDING: 368

INCISOR: 61, 905, 1611, 2797, 3429

INCLUSION BODIES, VIRAL: 2681, 2692

INCOME: 3078, 3974

INCUBATORS: 1556, 2889, 3986

INDENES: 1723, 1797

INDIA: 155, 1103, 2964, 3078, 3086, 3869, 3974

INDIANS, NORTH AMERICAN: 554, 2990

INDICATOR DILUTION TECHNICS: 3083

INDICATORS AND REAGENTS: 389, 792, 1578, 1723, 1931, 2211, 2337, 3031, 3083

INDOLEACETIC ACID: 404, 652

INDOLES: 183, 478, 784, 1061, 1552, 1881, 1969, 2535, 2790, 3819, 4259
INDOMETHACIN: 324, 404, 541, 770, 1073, 1490, 2139, 2299, 2654, 2679, 2748, 3044, 3669, 3989, 4112, 4235, 4248
INDONESIA: 3742
INDUSTRIAL MEDICINE: 3543
INFANT: 7, 24, 58, 66, 189, 191, 199, 215, 245, 265, 359, 418, 424, 441, 451, 533, 663, 689, 721, 808, 966, 984, 1039, 1134-1135, 1140, 1147, 1217, 1262, 1306, 1338, 1351, 1364, 1392, 1401-1402, 1417, 1424, 1441, 1537, 1663, 1690, 1711, 1720, 1782, 1791, 1890, 1911, 1948, 2020, 2053, 2113, 2239, 2282, 2317, 2342, 2346, 2378, 2398, 2406, 2492, 2601, 2622, 2823, 2893, 2910, 2934, 2983, 3013, 3029, 3095, 3097-3098, 3132, 3154, 3164, 3211, 3253, 3272, 3279, 3370, 3402, 3425, 3429-3430, 3451, 3494-3495, 3498, 3545, 3639, 3649, 3660, 3666, 3692, 3708, 3711, 3790, 3800, 3818, 3878, 3881, 3888, 3997, 4067, 4088, 4103, 4141, 4167, 4194, 4217-4218
INFANT FOOD: 1039, 2823, 4103
INFANT MORTALITY: 123, 339, 3053, 3212, 4054
INFANT, NEWBORN: 5, 24, 42, 66, 123, 137, 189, 199, 238, 282, 307, 354, 418, 441, 451, 521, 526, 613, 646, 667, 740, 789, 935, 975, 979, 984, 989, 1018, 1039, 1134-1135, 1139, 1173, 1179, 1217, 1285, 1306, 1417, 1423, 1508, 1519, 1523, 1565, 1652, 1683, 1711, 1760, 1782, 1787, 1801, 1808, 1830, 1903, 1911, 1968, 2027, 2137, 2202, 2316, 2378, 2398, 2429, 2450, 2460, 2575, 2622, 2652, 2801, 2823, 2910, 2934, 2937, 2945, 2994, 3013, 3053, 3089, 3095, 3097, 3099, 3123, 3132, 3164, 3218, 3255, 3272, 3281, 3395, 3429, 3443, 3451, 3517, 3649, 3692, 3711, 3728, 3768, 3800, 3818, 3878, 3881, 3888, 3956, 3977, 3982, 3997, 4040, 4046, 4054, 4067, 4127, 4169, 4194, 4198, 4200, 4279
INFANT, NEWBORN, DISEASES: 137, 441, 444, 667, 1217, 1423, 1652, 1787, 1801, 2386, 2429, 2575, 2994, 3053, 3089, 3768, 3956, 4067
INFANT NUTRITION: 444, 1039, 1436, 1711, 2823, 4103
INFANT NUTRITION DISORDERS: 1351, 2317
INFANT, PREMATURE: 444, 935, 1423, 1711, 2316, 2821, 3123
INFANT, PREMATURE, DISEASES: 441, 444, 1423
INFANTILISM: 2073, 3967
INFARCTION: 2057, 3005
INFECTION: 39, 1133, 1138, 1663, 2465, 3885
INFECTIOUS MONONUCLEOSIS: 1161, 1432, 1696
INFERIOR COLLICULUS: 3019
INFLAMMATION: 398, 407, 686, 1353, 1536, 1705, 1760, 2225, 2313, 2352, 2563, 3312, 3415, 3654, 3796, 3808, 3934, 4065, 4216
INFLUENZA: 2096, 2601, 3585
INFORMED CONSENT: 442, 492, 1743, 3090
INFRARED RAYS: 3543
INFUSIONS, PARENTERAL: 185, 830, 1383, 1921, 2088, 2238, 2278, 3465, 3997
INGUINAL CANAL: 559
INGUINAL HERNIA: 167, 1262, 3671, 3718
INHALATION THERAPY: 1263, 2044
INHIBITION (PSYCHOLOGY): 1546, 2240, 2620, 3591, 4108, 4148
INHIBITION, NEURAL: 378, 821, 1060, 1128, 1357, 1916, 2019, 2300, 2712, 3289, 3433, 3578
INJECTIONS: 124, 376, 833, 952, 1389, 1712, 2022, 2077, 2162, 2256, 2341, 2436, 3251, 3489, 3710, 3975, 4079
INJECTIONS, INTRA-ARTERIAL: 78, 528, 2081
INJECTIONS, INTRA-ARTICULAR: 78, 106, 2409, 2490, 2917, 3334, 3840
INJECTIONS, INTRADERMAL: 407, 2736, 4232
INJECTIONS, INTRAMUSCULAR: 139, 419, 797, 833, 887, 943, 1113, 1183, 1213, 1228, 1400, 1698, 1710, 1921-1922, 2014, 2018, 2155, 2238, 2344, 2397, 2481, 2530, 2551, 2969, 2983, 3000, 3298, 3509, 3527, 3555, 3898, 4070, 4180, 4229, 4254
INJECTIONS, INTRAPERITONEAL: 17, 173, 832, 912, 1043, 1118, 1277, 1282, 1693, 1725, 1954, 2063, 2117, 2467, 2469, 2711, 2907, 3153, 3327, 3337, 3362, 4006, 4145, 4239
INJECTIONS, INTRATHECAL: 638, 1559, 1580, 2420, 2753, 2948, 3267
INJECTIONS, INTRAVENOUS: 32, 98, 172, 209, 428, 528, 543, 662, 685, 709, 718, 734, 755, 769, 833, 909, 920, 931, 964, 988, 1058, 1064, 1067, 1097, 1561, 1585, 1588, 1642, 1713, 1757, 1761-1762, 1831, 1835, 1871, 1922, 1973, 2054, 2081, 2173, 2238, 2331, 2405, 2420, 2425, 2442, 2481, 2626, 2804, 2848, 2881, 2883, 2948, 2982, 3030, 3172, 3205, 3216, 3250, 3315, 3367, 3382, 3527, 3562, 3633, 3648, 3703, 3794, 3849, 3894, 3905, 4002, 4007, 4079, 4135, 4191, 4202, 4204, 4227
INJECTIONS, SUBCUTANEOUS: 187, 357, 529, 543, 920, 931, 1093, 1277, 1282, 1344, 1688, 1710, 1725, 1837, 1921, 1941, 2225, 2256, 2323, 2331, 2341, 2376, 2521-2522, 2577, 2586, 2624, 2687, 2706, 2800, 3042, 3153, 3298, 3315, 3367, 3600, 3999, 4023, 4068, 4176
INK: 2346, 2890
INOSINE: 311, 3619
INOSINE NUCLEOTIDES: 1851, 3683
INOSITOL: 82, 4001
INSECT CONTROL: 806, 2728
INSECT VECTORS: 114, 907
INSECTS: 806, 877, 2040, 2254, 2728, 3673, 4114
INSEMINATION, ARTIFICIAL: 625, 771, 1027, 1095, 1484, 4023
INSULIN: 36, 55, 85, 93, 137, 154, 202, 259, 287, 345-347, 382, 424-425, 433, 532-533, 577, 636, 655, 709, 756, 763, 765, 809, 897, 900, 963-964, 1000, 1019, 1033, 1035, 1056, 1062, 1104, 1107, 1127, 1149, 1176, 1299, 1348, 1363, 1376, 1383, 1461-1462, 1481, 1519, 1539, 1566, 1571, 1604, 1616, 1688, 1698, 1706, 1723, 1729, 1765-1766, 1786, 1809, 1814, 1951, 1958, 1978, 1994, 2010, 2047, 2057, 2092, 2107, 2111, 2150, 2178, 2197-2198, 2206, 2291, 2317, 2361, 2405, 2410, 2427, 2432, 2464, 2509, 2551, 2567, 2573, 2595, 2617, 2671, 2688, 2738, 2822, 2952, 2980-2981, 3038, 3185, 3205-3207, 3230, 3294-3295, 3298, 3314, 3327, 3338, 3354, 3410-3412, 3414, 3450, 3552, 3614, 3692-3693, 3715, 3745, 3766, 3813, 3883, 3912, 3921, 3938, 3953, 3983, 4015, 4082, 4099
INSULIN ANTIBODIES: 310, 1062, 1976, 3207, 3463, 4184
INSULIN, LENTE: 254, 3298
INSULIN, PROTAMINE ZINC: 746
INSULIN RESISTANCE: 577, 1771, 3883
INTELLIGENCE: 1081, 2775, 3097, 3878, 4208, 4261
INTELLIGENCE TESTS: 820, 875, 1081, 1092, 1233, 2775, 3010, 3097, 3878, 4208, 4261
INTERCELLULAR JUNCTIONS: 706, 1684, 2663, 2714, 3128, 3613, 3994, 4224
INTERNATIONAL AGENCIES: 45, 3742
INTERPERSONAL RELATIONS: 2775, 4161
INTERVERTEBRAL DISK DISPLACEMENT: 895, 2616, 2679
INTERVIEW, PSYCHOLOGICAL: 1373, 3144
INTESTINAL ABSORPTION: 205, 219, 617, 661, 852, 1050, 1096, 1103, 1400, 1561, 1626, 1677, 1927, 2100, 2193, 2243, 2377, 2480, 2538, 2915, 2931, 3261, 3398, 3571, 3822, 3858, 4044, 4057, 4144, 4167
INTESTINAL DISEASES: 1138, 1412, 2802, 3186
INTESTINAL FISTULA: 2994
INTESTINAL MUCOSA: 174, 196-197, 290, 327, 422, 617, 627, 862, 866, 1103, 1285, 1400, 1425, 1677, 1817, 1967, 2193, 2208, 2294, 2304, 2389, 2452, 2539, 2886, 3022, 3401, 3819, 3858, 3871, 4044, 4167, 4225
INTESTINAL NEOPLASMS: 464, 1382, 1386, 1515, 2354
INTESTINAL OBSTRUCTION: 290, 1382, 3164, 3347
INTESTINAL POLYPS: 1382, 1454, 2229, 2951, 3050, 3727
INTESTINE, LARGE: 583, 2377, 2951
INTESTINE, SMALL: 290, 528, 627, 1425, 1609, 1626, 1925, 2068, 2193, 2377, 3513, 4115, 4265
INTESTINES: 201, 522, 761, 852, 862, 870, 915, 934, 1151, 1437, 1592, 1638, 1742, 1992, 2116, 2170, 2491, 2517, 2547, 2706, 2789, 2798, 2931, 3011, 3022, 3155, 3562, 3587, 3741, 3772, 3891, 4144
INTRACRANIAL PRESSURE: 44, 93, 281, 3559, 4203, 4287
INTRAOCULAR PRESSURE: 333, 1470, 1486, 1818, 2169, 2236-2237, 3001, 3044, 3464, 4075, 4111-4112
INTRAUTERINE DEVICES: 45, 609, 697, 1003, 1008, 1419, 1458, 1820, 1913, 2440, 2964, 3082, 3212, 3283, 3742, 3869, 3881, 3978, 3992, 4199
INTUBATION, GASTROINTESTINAL: 95, 1277, 2193, 2907, 3327, 3703
INTUBATION, INTRATRACHEAL: 479
INTUSSUSCEPTION: 3164
INULIN: 327, 736, 999, 1999, 3229, 3389
IODIDES: 69, 325, 1616, 1654, 2176, 2431, 3151, 3190, 3307, 3574, 3925,
IODINE: 37, 120, 141, 193, 277, 279, 448, 453, 570, 647, 672-673, 762, 844, 967, 998, 1051, 1058, 1068, 1080, 1396, 1418, 1563, 1567, 1621, 1639, 1745, 1747, 1761, 1789, 1791, 1881, 2050, 2095, 2136, 2167, 2191, 2217, 2468, 2510, 2580, 2588, 2592, 2700, 2905, 3012, 3021, 3027, 3083, 3095, 3188, 3282, 3286, 3385, 3419, 3565, 3729, 3818, 3825, 3878, 4047, 4084, 4281
IODINE ISOTOPES: 17, 37, 109, 120, 192-193, 229, 237, 260, 272-273, 279, 334, 382, 454, 518, 526, 543-544, 576, 646-647, 684, 726, 762-763, 798, 816, 959, 1002, 1013, 1039, 1083, 1137, 1280, 1326, 1335-1336, 1352, 1363, 1565, 1576, 1579, 1582, 1596, 1616, 1661, 1693, 1744, 1869, 1888, 1893, 1942, 2003, 2021, 2061, 2170, 2185, 2287, 2349, 2351, 2410, 2452, 2468, 2573, 2586, 2588-2589, 2593, 2598, 2776, 2787, 2837, 2870, 2876, 2884, 2966, 2990, 2993, 2996, 3021, 3036, 3095, 3135, 3151, 3169, 3189-3190, 3302, 3317, 3361, 3392, 3404, 3419, 3532, 3542, 3565, 3614, 3683, 3699, 3822, 3825, 3841, 3845, 3946-3947, 4038, 4047, 4074, 4089, 4092, 4189, 4286
IODINE ISOTOPES, DIAGNOSTIC: 440, 448, 453, 455, 1080, 1351, 1703, 1745, 1928, 2050, 2580, 2615, 3070, 3369, 3403, 3463, 3589-3590, 3857, 4010, 4051, 4078, 4184
IODIZED OILS: 614, 1081, 1563, 3818, 4083, 4261
IODOACETATES: 287, 1112, 1544, 3712
IODOCHLORHYDROXYQUIN: 2834
IODOPROTEINS: 120, 334, 959, 3924
IODOTYROSINE: 37, 2003, 2374, 3404, 3691
ION EXCHANGE: 294, 1541, 2579
ION EXCHANGE RESINS: 1574, 3946
IONS: 947, 2126, 2678, 3401, 3489,
IONTOPHORESIS: 1443, 2002
IOTHALAMIC ACID: 2989
IOWA: 1436
IPRONIAZID: 286, 1653, 1655, 2522,
IPROVERATRIL: 320, 2215, 2803,
IRAN: 1466
IRIDOCYCLITIS: 1296, 4112
IRIS: 397, 1154, 1818, 1983, 2236-22
3804, 4111
IRITIS: 1486, 4075
IRON: 185, 728, 729, 828, 947, 1232, 1499, 1614, 1777, 1857, 1868, 2033, 2309, 2538, 2902, 2953, 3454, 3830, 4293
IRON ISOTOPES: 1447, 2295, 3858
ISCHEMIA: 499, 1837, 2057, 2435, 4087, 4284
ISLANDS OF LANGERHANS: 1176, 3410-3412, 3414
ISLET CELL TUMOR: 2405, 2988,
ISOANTIBODIES: 1590, 1763, 3748
ISOANTIGENS: 3857
ISOCARBOXAZID: 1654
ISOCITRATE DEHYDROGENASE: 2552, 2586, 3788, 3890, 4128
ISOELECTRIC FOCUSING: 518, 10, 3356, 3572
ISOENZYMES: 62, 545, 815, 1076, 1946, 2496, 2755, 3587, 3741, 3819
ISOFLUROPHATE: 1280, 2812
ISOLEUCINE: 351, 2078, 3257, 3538
ISOMERASES: 2446
ISOMERISM: 220, 515, 792, 803, 2344, 2528
ISONIAZID: 165, 329, 792, 1154,
ISOPROTERENOL: 306, 686, 838, 1530, 1640, 1862, 1893-1895, 1912, 2046, 2088, 2147, 2236, 2342, 3108, 3228, 3263, 3529, 3603, 4136

LIBRARY U. OF L. URBANA-CHAMPAIGN

ES: 676, 2467, 3804
LUTIONS: 4174
ELING: 310, 684, 695, 1483, 1616,
, 2592, 3361, 3483, 3988, 4074,
189
002, 1454, 2149, 3929, 4160
43
ZEIZURE: 508
3388
9, 2543, 2991, 3418
STRUCTIVE: 930, 2207, 2850, 3418,

ALITIES: 767, 2005
MS: 1076
, 227, 769, 870, 1285, 1400, 1677,
89, 2480, 2539, 2886, 2892, 4167

ES: 106, 2253, 2409, 2654, 3003,
50, 4037
ESIS: 257, 1620, 2490, 2653
1886
N: 188, 2454, 2745, 3852
CE: 443, 3213
LINQUENCY: 4161
RMONES: 806, 2728
RULAR APPARATUS: 81, 1825,
84, 3480
1542
770, 1875, 4216
TRYPSIN INACTIVATOR: 1594,

1857

, 498, 2937, 3266, 3436, 3647, 3964
G: 21, 50, 87, 222, 236, 264, 282,
699, 734, 748, 979, 1011, 1092,
237, 1306, 1392, 1508, 1580, 1808,
901, 1940, 1956-1957, 2004, 2023,
235, 2315, 2396, 2427, 2451, 2505,
780, 2762, 2840, 2942, 2985, 3002,
279, 3305, 3381, 3494-3495, 3640,
382, 3696, 3718, 3792, 3811, 3836,
053, 4084, 4218
1891, 1909
225, 3604
ENDRITIC: 940
THOMA: 3187, 4100
S 2237
35, 2697, 2877, 4100
OLLICULARIS: 1179
458, 2726, 3383, 4145, 4203
IC ACID: 2540, 3522
IES: 119, 2056
, 935, 987, 1280, 1305, 1456, 1553,
390, 2917, 4272
IDS: 87, 137-138, 148, 246, 405, 432,
794, 799, 910, 1116, 1142, 1189,
817, 1838-1839, 1985, 2017, 2182,
586, 2599, 2809, 2819, 2763, 2774,
976, 3030, 3056, 3120, 3147, 3238,
816, 3736, 3846, 3865-3866, 3882,
994, 4254
5: 225, 419, 432, 910, 927, 966, 996,
278, 1311, 1540, 1679, 1731, 1750,
211, 2446, 2614, 2624, 2628, 3308,
510, 3580, 3882, 4004, 4062, 4244
, 30, 49, 52, 88, 91, 97, 156, 201,
283, 292, 303, 325, 341, 360, 380,
436, 460, 491, 528, 580, 587, 607,
737, 731, 833, 852, 879, 892, 896,
1011, 1014, 1020, 1033, 1071, 1088,
37, 1196-1198, 1206, 1268, 1299,
34, 1367-1388, 1428, 1439, 1478, 1483,
536, 1590, 1609, 1615, 1628, 1657,
736, 1784, 1817, 1848, 1857, 1884,
939, 1972, 1980, 1987, 1996,
30, 2133, 2156, 2170, 2194, 2232,
277, 2294, 2299, 2304-2305, 2310,
339, 2352, 2359, 2397, 2442-2443,
491, 2499, 2520, 2538, 2547,
93, 2568, 2802, 2816, 2897, 2705,
785, 2770, 2795, 2826, 2839, 2840,
965, 2978, 2996-2997, 3011, 3036,
117, 3140, 3182, 3254, 3259, 3266,
301-3302, 3335, 3339, 3389, 3397,
37, 3453-3454, 3466, 3490, 3535, 3549,
530-3631, 3633, 3642, 3668, 3680,
84, 3740, 3803, 3839, 3871, 3891,

3928, 3990, 4002, 4005-4006, 4041, 4100, 4104-4105, 4195, 4204, 4210, 4236, 4251, 4295
KIDNEY CALCULI: 510, 1132, 1794, 2416, 2756, 3025-3026, 3686, 3868
KIDNEY CONCENTRATING ABILITY: 1487, 2462, 3453
KIDNEY CORTEX: 415, 1721, 1987, 2153, 2353, 2547, 3117, 3744, 4204
KIDNEY CORTEX NECROSIS: 2156, 2352
KIDNEY DISEASES: 93, 126, 510, 654, 824, 968, 1136, 1261, 1338, 1423, 1487, 1825, 1980, 2202, 2342, 2582, 2880, 3156, 3272, 3284, 3680, 4249
KIDNEY FAILURE, ACUTE: 896, 1088, 1674, 1877, 2126, 2156, 2462, 3892, 4210, 4284
KIDNEY FAILURE, CHRONIC: 109, 254, 549, 670, 852, 1088, 1094, 1299, 1561, 1707, 1776, 1896, 1910, 2266, 2461, 2565, 2602, 2795, 2931, 3220, 3235, 3397, 3454, 3503, 3680, 3929, 4105
KIDNEY FUNCTION TESTS: 406, 892, 1020, 1196, 1401, 1628, 2471, 3430, 4235
KIDNEY GLOMERULUS: 52, 491, 1182, 1980, 2582, 2826, 3068, 4105, 4284
KIDNEY MEDULLA: 1987, 2153, 2547, 2750, 3535
KIDNEY NEOPLASMS: 373, 768, 1283, 1333, 1955, 2001, 2290, 2380, 2544, 2590, 3359, 3406, 3771, 3900, 4039
KIDNEY PELVIS: 2758
KIDNEY, SPONGE: 3686, 3868
KIDNEY TUBULES: 219, 862, 1094, 1864, 1949, 1980, 1996, 1999, 2156, 2443, 2461, 2880, 2931, 3389, 3453, 3732
KIDNEY TUBULES, DISTAL: 411, 1094, 1864, 2063, 2258, 3732
KIDNEY TUBULES, PROXIMAL: 52, 491, 862, 1094, 1999, 2880, 3732
KINETICS: 62, 73-74, 83, 103, 296, 298, 325, 351, 362, 380, 403, 471, 476, 492, 497, 520, 556, 626, 635, 656, 668, 672, 791, 798, 839, 865, 894, 939, 977, 1044, 1049, 1062, 1064, 1082, 1089, 1104, 1112, 1123, 1152, 1273, 1276, 1280, 1282, 1284, 1302, 1304, 1336, 1355, 1368, 1387, 1408, 1410, 1452, 1469, 1481, 1513, 1527, 1539, 1573, 1626, 1647-1648, 1666, 1715-1716, 1723, 1729, 1742, 1761-1762, 1773, 1846, 1868, 1878-1879, 1881, 1908, 1976, 1987, 2003, 2061, 2072, 2103, 2106, 2170, 2203, 2227-2228, 2232, 2279, 2296, 2303, 2335, 2353, 2391, 2404, 2468, 2528, 2540, 2558, 2578, 2614, 2715, 2750, 2809, 2813, 2853, 2891, 2894, 2944, 2965, 3045, 3064, 3170, 3217, 3248-3249, 3274-3275, 3287, 3294, 3318, 3331, 3342, 3364, 3394, 3437, 3439-3440, 3516, 3522, 3533, 3552, 3587, 3609, 3783, 3795, 3802, 3819, 3866, 3879, 3891, 3925, 3958, 4004, 4049, 4085, 4225, 4248, 4267
KINETOCARDIOGRAPHY: 983
KININASE I: 4216
KININASE II: 2105
KININOGENS: 4216
KININS: 770, 2121, 4073, 4216
KLEBSIELLA: 3100
KLINEFELTER'S SYNDROME: 70, 394, 1323, 1453, 1763, 1781, 1940, 1988-1989, 2320, 2398, 2562, 2675, 3273, 3305, 3435, 3494, 3670, 3682, 3701
KNEE: 984, 1414, 2914, 3545
KNEE JOINT: 257, 1350, 1414, 2098, 2330, 2679, 3105, 3127, 3499, 3779, 3840
KOREA: 609, 1621
KREBS CYCLE: 1689, 1773, 2327
KWASHIORKOR: 1351, 2317, 3029
KYNURENIC ACID: 812
KYNURENINE: 812, 3362
KYPHOSIS: 1780
L CELLS: 2861, 2886
LABOR: 115, 123, 1113, 1255, 1689, 1701, 1792, 1909, 2079, 2202, 2450, 2710, 3251, 3395, 3898
LABOR COMPLICATIONS: 95, 1429, 4040
LABOR, INDUCED: 354, 691, 1701, 1792, 1806, 1808, 2808, 2874, 4200
LABOR, PREMATURE: 678, 1619, 1806
LABYRINTH: 203, 720, 1693
LABYRINTH DISEASES: 413
LACRIMAL APPARATUS: 2841, 3203, 3782
LACTATE DEHYDROGENASE: 337, 509, 815, 892, 995, 1361, 1440, 1689, 1878, 2027, 2345, 2499, 2552, 2586, 2622, 2684, 3232, 3522, 3784, 3788, 3890, 4128, 4180, 4259
LACTATE DEHYDROGENASE ISOENZYMES: 1005, 1011, 2186, 3232, 3522, 3741
LACTATES: 119, 729, 1220-1221, 1725, 1773, 2104, 2400, 2826, 3169, 3849, 3890, 4000, 4011, 4024

LACTATION: 34, 52, 61, 115, 127, 192, 206, 344, 431, 489, 567-568, 602, 605, 659, 804, 818, 888, 905, 972, 1026, 1103, 1113, 1119, 1139, 1146, 1210, 1327, 1391, 1409-1410, 1436, 1461, 1499, 1575, 1599, 1676, 1683, 1711, 1751, 1784, 1809, 1871, 2031, 2193, 2202, 2217, 2288-2289, 2271, 2295, 2341, 2407, 2428, 2454, 2488, 2518, 2525, 2542, 2566, 2646, 2681, 2702, 2710, 2876, 2882, 2921, 2954, 2957, 2969, 3137, 3194, 3271, 3285, 3322, 3356, 3502, 3546-3547, 3561, 3568-3569, 3600, 3689, 3722, 3767, 3829, 3905, 3950, 3996, 4030-4031, 4043, 4052, 4066, 4076, 4103, 4172, 4240
LACTATION DISORDERS: 405, 725, 804, 1139, 1168, 1406, 1481, 1784, 2181, 3023, 3897
LACTOBACILLUS ACIDOPHILUS: 2264
LACTONES: 788, 1010, 1675, 4158
LACTOSE: 105, 960-961, 1103, 1130, 1144, 2407, 2525, 3366, 3569
LACTOSE INTOLERANCE: 1103, 2802, 3822
LAMINECTOMY: 2434
LANGUAGE DEVELOPMENT: 4208
LANTHANUM: 626, 1361, 2143, 2173, 2744, 3020, 3538, 3735, 3994, 4085
LAPAROSCOPY: 1764, 2991
LAPAROTOMY: 158, 580, 1247, 2708, 3481, 3851, 4207
LARVA: 114, 226, 268, 456, 586, 776, 806, 877, 934, 1638, 1665, 2728, 2806-2807, 2866, 3190, 3240, 4114
LARYNGEAL CARTILAGES: 2180
LARYNGEAL DISEASES: 2135, 4143
LARYNGEAL EDEMA: 2601
LARYNGEAL NEOPLASMS: 2594, 2596, 4198
LARYNGEAL NERVES: 1610, 3063, 3223, 3828
LARYNGITIS: 2601, 3785
LARYNGOSCOPY: 2044
LARYNX: 2044
LASERS: 764
LATERALITY: 1546, 1593, 1624, 3521, 4108
LATEX FIXATION TESTS: 1537, 1633, 2553
LATEX PARTICLES: 17, 702
LATHYRISM: 23, 1498, 3115
LAUGHTER: 2399
LEAD: 573, 997, 1198, 1337, 1471, 1483, 1604, 2331, 3455
LEAD POISONING: 1483, 1651, 2577
LEARNING: 1803, 2015, 3332, 3690
LEARNING DISORDERS: 2775
LECITHINS: 123, 223, 497, 521, 613, 691, 1269, 1806, 3074, 3317, 3839, 4169
LEG: 559, 967, 2239, 2285, 2415, 3493, 3774
LEG INJURIES: 2943
LEGISLATION: 697, 4199
LEGISLATION, DRUG: 2642
LEGISLATION, MEDICAL: 1820
LEGISLATION, VETERINARY: 3363
LEIOMYOMA: 3553, 4039
LEIOMYOSARCOMA: 4039
LENS, CRYSTALLINE: 287, 466, 1949, 2868, 2941
LENTIGO: 2164
LEPROSY: 942, 1342, 1776, 2992, 3006, 4173
LETHAL DOSE 50: 917, 1099, 1325, 1595, 2467, 2766, 4202, 4204
LEUCINE: 14, 108, 408, 421, 643, 656, 804, 1112, 1118, 1737, 1892, 1987, 1991, 2047, 2062, 2078, 2131, 2372, 2405, 2498, 2559, 2578-2579, 3230, 3257, 3374, 3411-3412, 3414, 3546, 3655, 3763, 4183, 4238
LEUCINE AMINOPEPTIDASE: 727, 885, 934, 1440, 1544, 3116, 3784
LEUKEMIA: 638, 1244, 1535, 1760, 2001, 2334, 2630, 2832, 3380, 3465, 3778, 3900, 4263, 4275
LEUKEMIA, EXPERIMENTAL: 832, 1704, 3237
LEUKEMIA, LYMPHOBLASTIC: 638, 747, 1244, 1535, 1580-1581, 1663, 1818, 1884, 2279, 2457, 2674, 2764, 3110, 3252, 3380, 4018, 4265, 4275
LEUKEMIA, LYMPHOCYTIC: 879, 1454, 3048, 3380, 3503
LEUKEMIA, MONOCYTIC: 417
LEUKEMIA, MYELOBLASTIC: 51, 374, 1244, 1535, 1760, 2457, 2674, 2686, 3252, 3380, 4275
LEUKEMIA, MYELOCYTIC: 374, 1760, 2036, 2059, 2290, 2457, 2496, 3380, 4275
LEUKEMIA, RADIATION-INDUCED: 2290, 3218
LEUKEMIA, SUBLEUKEMIC: 1777
LEUKOCYTE COUNT: 66, 139, 204, 464, 1045, 1432, 1663, 1717, 1784, 1818, 1884, 1918, 1964, 2052, 2076, 2313, 2339, 2364, 2538, 2563, 2661, 2706, 2879, 2927, 3027, 3034, 3255
LEUKOCYTE CULTURE TEST, MIXED: 66

LEUKOCYTES: 139, 280, 337, 346, 637, 685, 702, 724, 747, 846, 1167, 1329-1330, 1346, 1402, 1410, 1432, 1600, 1695, 1946, 1962, 1964, 2091, 2094, 2145, 2330, 2352, 2496, 2543, 2563, 2675, 2715, 2877, 3048, 3222, 3255, 3343, 3380, 3486, 3585, 3592, 3960, 3982, 4005, 4041, 4060-4061, 4180, 4194, 4259
LEUKOCYTOSIS: 700, 1329-1330, 3492, 4281
LEUKOPENIA: 1329-1330, 1522, 2590, 3341, 3923, 4263
LEYDIG CELL TUMOR: 286, 2380, 2689, 2692
LEYDIG CELLS: 70, 98, 744, 1180, 1420, 2049, 2320, 2506, 2669, 2747, 2779, 2825, 2838, 2909, 2983, 3304, 3416, 3477, 3656, 3701, 3838, 3964, 4229, 4300
LH: 32, 60, 70, 143, 146, 159, 166, 250, 313, 355, 358, 365, 382-383, 405, 420, 454, 468-469, 475, 536, 640, 664, 684, 694, 713, 725, 757, 797-798, 816, 840, 868, 898, 923, 950, 1084, 1108, 1120, 1148-1149, 1153, 1168-1169, 1228, 1291-1293, 1309, 1311, 1314, 1331, 1335-1336, 1363, 1374, 1405, 1481, 1623, 1630, 1700, 1708, 1761, 1795-1796, 1823, 1827, 1887-1888, 1906, 1921-1922, 1929, 1936-1938, 1943, 2037, 2043, 2060, 2119, 2122, 2139, 2175, 2201, 2256-2257, 2260-2261, 2293, 2297, 2441, 2456, 2473, 2497, 2573, 2592-2593, 2627, 2647, 2658-2660, 2665, 2669, 2671, 2709-2710, 2723-2725, 2751, 2768, 2779, 2807, 2845, 2856, 2864-2865, 2876, 2882, 2885, 2930, 2969, 3045, 3066, 3091, 3133, 3135, 3149, 3165, 3204, 3225, 3238-3239, 3273, 3319, 3348-3349, 3357, 3367, 3375, 3391-3392, 3435-3436, 3478, 3526, 3542, 3584, 3597, 3614, 3618, 3644-3647, 3665, 3697, 3701, 3714, 3754-3755, 3775, 3827, 3837, 3867, 3931, 4079, 4084, 4109, 4191-4192, 4227, 4229, 4267, 4300
LIBIDO: 13, 475, 773, 1455, 2955, 2967, 3233, 3555, 4260
LICE: 173
LIDOCAINE: 523, 552, 1305, 2190, 2943, 3889
LIFE EXPECTANCY: 896
LIGANDS: 1647, 2145, 2205, 3331, 3505, 4245
LIGASES: 56-57
LIGATION: 49, 169, 599, 928, 1158, 1218, 2105, 2156, 2377, 2430, 2656, 2922, 3153, 4247
LIGHT: 15, 75, 194, 304, 315, 564, 787, 877, 1733-1734, 1828, 2259, 2540, 2647, 3203, 3416, 3690, 3801, 3963, 4170, 4252
LIGHT COAGULATION: 764, 1239, 2010
LIGHTING: 1602, 4008
LIMBIC SYSTEM: 20, 99, 107, 978, 1060, 1117, 1357, 1381, 1681, 1885, 1906, 2015, 2019, 2300, 3148, 3176
LINCOMYCIN: 952
LINGUISTICS: 3678
LINKAGE (GENETICS): 337, 381, 748, 1397, 1965, 2360, 3060, 4180
LINOLEIC ACID: 4044, 4296
LINOLENIC ACID: 3345
LIPASE: 651, 1301, 1604, 1951, 2521-2522
LIPID METABOLISM, INBORN ERRORS: 300, 428
LIPID MOBILIZATION: 1234, 1604, 2210, 2521-2522, 2783, 3194
LIPIDS: 56-57, 110, 259, 291, 300, 387-388, 425, 578, 665, 743, 802, 825, 827, 831, 1022, 1151, 1164, 1178-1179, 1252, 1300-1302, 1420, 1499, 1582, 1604, 1807, 1809, 1895, 1975, 1992, 2104, 2145, 2163, 2305, 2339, 2358, 2596, 2612, 2705, 2793, 2844, 2880, 2892, 2915, 2923, 2929, 2932, 2981, 2988, 3041, 3074, 3207, 3224, 3256, 3286, 3345, 3400, 3438, 3460, 3502, 3571, 3592, 3620, 3693, 3699, 3767, 3786-3787, 3813-3814, 3822, 3844, 3859, 3896, 4000-4001, 4103, 4233
LIPOAMIDE DEHYDROGENASE: 1689, 2622, 3784
LIPOCHONDRODYSTROPHY: 3186, 3650
LIPODYSTROPHY: 424-425, 1771
LIPOIC ACID: 2622
LIPOIDOSIS: 2311
LIPOMA: 1441, 2686, 3180, 3555
LIPOMATOSIS: 645
LIPOPOLYSACCHARIDES: 1757
LIPOPROTEIN LIPASE: 1178, 2988
LIPOPROTEINS: 627, 826, 1178, 1706, 2811, 3074, 3418, 3476, 3504, 3506, 3608, 3693
LIPOPROTEINS, HDL: 825-826, 3418, 3476
LIPOPROTEINS, LDL: 825-826, 3418, 3476
LIPOPROTEINS, VLDL: 825-826, 1976, 3418, 3476
LIPOSARCOMA: 464, 768, 2354, 2485, 2674
LIPOTROPIC FACTORS: 3699
LIPOTROPIN: 881, 946
LISTERIA INFECTIONS: 3862
LISTERIA MONOCYTOGENES: 3862
LITHIUM: 69, 135, 341, 570, 993, 1194-1195, 1650, 3263, 3300, 3333, 3474, 3571, 3596, 3853, 4055, 4279
LITHIUM ALUMINUM HYDRIDE: 726
LITHOCHOLIC ACID: 2929
LIVER: 13, 17-18, 49, 56-57, 107, 113, 119, 149, 188-190, 224, 242-243, 278, 296, 303, 330, 341, 348, 367, 371, 388, 393, 403, 431, 476, 481, 506, 509, 520, 528, 532, 539, 545, 578, 587, 603, 606, 656, 665, 679, 710, 716, 727, 731, 746, 756, 780, 796, 852, 862, 962, 1011, 1054, 1056, 1071, 1089, 1157, 1178, 1188, 1226, 1247, 1269, 1271, 1273-1274, 1282, 1344, 1376, 1400, 1410, 1437, 1478, 1483, 1494, 1507, 1531, 1539, 1543, 1574, 1696, 1698, 1706, 1729, 1773, 1813-1814, 1817, 1850, 1868, 1876, 1902, 1923, 1939, 1944, 1954, 1960, 1966, 1992, 2012, 2047, 2051, 2086, 2111, 2117, 2170, 2187, 2194, 2198, 2207, 2224, 2232, 2245, 2287, 2294, 2305, 2321, 2339, 2353, 2372, 2377, 2388-2389, 2391, 2442, 2470, 2491, 2496, 2499-2500, 2517, 2521-2522, 2567, 2584, 2593, 2596, 2598, 2614, 2624, 2705, 2757, 2770, 2786, 2793, 2800, 2857, 2867-2868, 2875, 2899, 2904, 2931, 2946, 2981, 2996, 3011, 3086, 3117, 3140, 3194, 3217, 3248, 3252, 3254, 3294, 3302, 3311, 3317, 3320-3321, 3335, 3362, 3371, 3374, 3382, 3397-3398, 3407, 3440, 3457, 3490, 3496, 3502, 3522, 3549, 3572, 3575, 3582, 3586-3587, 3608, 3619, 3666-3667, 3712, 3740-3741, 3749, 3752, 3756, 3760, 3763, 3821, 3824, 3833, 3839, 3847-3848, 3864, 3871, 3891-3892, 3919, 3925, 3959, 3968, 3976, 3990, 4002, 4006, 4046, 4104, 4129, 4131, 4168, 4186, 4225, 4238, 4265, 4268
LIVER CIRCULATION: 201, 2287
LIVER CIRRHOSIS: 438, 1288, 2351, 2459, 2630, 3254, 4061, 4268
LIVER CIRRHOSIS, OBSTRUCTIVE: 1625
LIVER DISEASES: 111, 391, 545, 1217, 1261, 1383, 1402, 1423, 1717, 1776, 1980, 2630, 2786, 2910, 3476, 3885, 3900, 4067, 4283, 4294
LIVER EXTRACTS: 2923, 3619
LIVER FUNCTION TESTS: 460, 554, 796, 1288, 1717, 3185, 4067
LIVER GLYCOGEN: 1188, 1692, 1725, 1773, 1944, 2980-2981, 3194, 3374, 3480, 3575, 3847, 3976
LIVER NEOPLASMS: 156, 187, 299, 438, 725, 746, 866, 1283, 1386, 1543, 1631, 1698, 1813, 1960, 1966, 2113, 2168, 2249, 2354, 2380, 2388, 2429, 2512, 2850, 2863, 2953, 3126, 3371, 3602, 3771, 3821, 3848, 3919, 4168, 4264
LIVER REGENERATION: 151, 532, 2277
LIZARDS: 194, 288, 551, 607, 692, 885, 948, 1827-1828, 2258-2259, 3171, 4038
LOBELINE: 3849
LOBSTERS: 2103
LOCOMOTION: 80, 100, 206, 257, 368, 375, 640, 649, 741-742, 933, 1259, 1551, 1819, 1892, 1933-1934, 2066, 2231, 2240, 2273, 2420, 2519, 2571, 2889, 3111, 3777, 3940
LOEFFLER'S SYNDROME: 1918
LONDON: 1100
LONG-ACTING THYROID STIMULATOR: 64, 307, 518, 903, 1068, 1497, 1928, 2169, 2385-2386, 2740, 2824, 3581, 4042
LONG TERM CARE: 1561, 1744, 1856, 2309, 2846, 3333, 3431, 3789, 3923
LONGEVITY: 2857, 3290
LOOP OF HENLE: 1094, 3732
LUCIFERASE: 977, 1810
LUCIFERIN: 977, 1810
LUMBAR VERTEBRAE: 523, 1910, 3359
LUMBOSACRAL REGION: 2555
LUMINESCENCE: 977, 1302, 1810, 3538
LUNG: 17, 173, 242-243, 330, 354, 417, 528, 606, 614, 639, 716, 727, 731, 740, 748, 758, 874, 879, 981, 1054, 1071, 1138, 1156, 1272-1274, 1389, 1410, 1538, 1696, 1748, 1808, 1817, 1824, 1886, 1966, 2190, 2194, 2232, 2277, 2311, 2321, 2339, 2491, 2606, 2637, 2770, 2800, 2896, 2916, 3011, 3125, 3335-3336, 3340, 3346, 3427, 3456, 3740, 3776, 3795, 3808, 3819, 3830, 3990, 4046, 4104, 4131, 4169, 4265
LUNG DISEASES: 524, 542, 935, 981, 1261, 1316, 1389, 1423, 1748, 2090, 2212, 2241, 2311, 2476, 2606, 3340, 3427, 3465, 3553, 3774, 3808, 3863, 4265
LUNG DISEASES, FUNGAL: 150, 3427
LUNG DISEASES, OBSTRUCTIVE: 783
LUNG NEOPLASMS: 2, 39, 50, 193, 326, 329, 343, 455, 834, 1149, 1367, 1952, 2001, 2
2249, 2290, 2354, 2453, 2485, 2512,
2674, 2727, 2863, 2905, 2950, 3118,
3465, 3553, 3558, 3602, 3771, 3776,
4026
LUPUS ERYTHEMATOSUS, SYSTE
624, 896, 1067, 1172, 1439, 1558, 1
2062, 2582, 2610, 3005, 3124, 3186,
3993, 4098, 4235
LYASES: 318, 1310, 4217
LYMNEA: 2866
LYMPH: 4066
LYMPH NODE EXCISION: 1100, 11
LYMPH NODES: 17, 242-243, 661,
1342, 1389, 1696, 1717, 1886, 1925,
2290, 2879, 3011, 3046, 3197, 3276,
4065, 4234, 4265
LYMPHADENITIS: 1342
LYMPHANGIOMA: 689, 3782
LYMPHATIC DISEASES: 3180
LYMPHATIC METASTASIS: 47, 34
835-836, 1147, 1332, 1497, 2249, 31
3558, 3771, 3918, 3935
LYMPHATIC SYSTEM: 97, 114, 66
LYMPHEDEMA: 559, 3186
LYMPHOCYTE DEPLETION: 1528
LYMPHOCYTE TRANSFORMATION
704, 846, 1600, 1625, 2218, 2334, 2
3032, 3124
LYMPHOCYTES: 66, 154, 231, 292,
495, 538, 547-548, 768, 979, 1044-1
1600, 1696, 1884, 1925, 2026, 2100,
2315, 2334, 2485, 2606, 2872, 2879,
3110, 3139, 3298, 3529, 3581, 3803,
3862, 4021, 4113, 4206, 4218, 4255
B-LYMPHOCYTES: 54, 92, 199, 107
T-LYMPHOCYTES: 54, 92, 199, 204
1552, 3040, 3139, 3396, 4021, 4185
LYMPHOGRANULOMA VENEREU
LYMPHOGRAPHY: 600, 801, 834,
LYMPHOID TISSUE: 266, 661, 152
4165, 4234
LYMPHOMA: 33, 371, 1704, 2001,
2674, 3139, 3237, 3371, 3465, 3726
LYMPHOSARCOMA: 464, 866, 879,
1669, 1829, 3888
LYNESTRENOL: 458, 1879, 2805,
LYSERGIC ACID DIETHYLAMIDE
441, 729, 1443, 3413, 3524, 3554
LYSINE: 380, 813, 1322, 1404, 1519
2286, 2303, 3257, 3295, 3655, 4055
LYSOGENY: 269, 346
LYSOLECITHIN: 497, 3074
LYSOSOMES: 149, 214, 291, 334,
972, 1005, 1069, 1114, 1337, 1617,
2129, 2263, 2549, 2853, 2946, 3113
3985, 4197, 4259
LYSOSTAPHIN: 2401
MACACA: 251, 360, 419, 608, 976,
1733, 1887-1888, 2098, 2221, 2254,
2738, 2995, 3208, 3243, 3352, 3400
4243
MACROGLOBULINEMIA: 51
MACROGLOBULINS: 1625, 3506
MACROMOLECULAR SYSTEMS:
1123, 1272-1274, 1733, 1906, 2193,
2799, 3249, 3364, 3572, 3643, 3783
4214
MACROPHAGES: 17, 39, 98, 107,
1282, 1760, 1919, 2032, 2311, 2506
3565, 3862, 4005
MACULA LUTEA: 397, 614, 634,
MAGNESIUM: 62, 68, 73-74, 125,
385, 403, 443, 509, 552, 616, 805,
1039, 1050, 1096, 1187, 1209, 128
1476, 1495, 1513, 1628, 1800, 181
2043, 2063, 2085, 2266, 2342, 243
2461-2462, 2523, 2578-2579, 2715,
2829, 2831, 2931, 3022, 3024, 302
3209, 3248, 3441, 3489, 3552, 357
3732, 3734-3735, 3779, 3802, 4055,
MAGNESIUM DEFICIENCY: 68,
3960
MALABSORPTION SYNDROMES:
2243, 2406, 2802, 3500, 4115
MALATE DEHYDROGENASE: 190
2586, 3788

LIBRARY U. OF L. URBANA-CHAMPAIGN

...0, 2540, 3161
...3145
...966
...11, 19-23, 25-31, 33-35, 41, 44-45,
...66, 69-71, 81, 90, 93-94, 96-99, 102,
...113-114, 118-122, 126, 128-129, 139,
...151-152, 154, 160, 162-164, 167,
...183, 187-191, 193, 198-199, 204-205,
...219, 225, 227-232, 235-237, 242-244,
...254-255, 261, 264-266, 271, 278, 282,
...294, 296, 298-299, 304-305, 310,
...322, 326, 329-330, 334-335, 337, 341,
...350, 352-353, 357-359, 362-365,
...374-377, 381-385, 391, 394, 396-397,
...411, 413-416, 419-422, 424, 427-428,
...442-443, 448, 452, 455, 457-459, 461,
...471, 474-475, 481, 488, 492-493, 499,
...511, 514, 520-521, 523, 527, 530-531,
...543, 545, 549, 554, 556-558, 561,
...570, 572, 581, 585, 587, 589-591,
...600, 607-610, 618-619, 621-622, 625,
...636-637, 645, 647-650, 654-658, 663,
...680, 682-683, 689, 693, 696, 698,
...708-710, 712, 721, 724, 727, 729,
...741, 743-744, 749-750, 754, 759-761,
...772, 774, 777-780, 782-785, 789-791,
...800-801, 807, 810, 820, 822-823, 830,
...847-848, 850, 854, 858-860, 862-863,
...872, 875-877, 879, 882, 884-885, 887,
...899-900, 902-904, 908-910, 913,
...922, 925-926, 928, 930-931, 933-934,
...954-956, 962, 965, 969, 973, 975,
...988-990, 992-993, 998, 999-1001,
...1009, 1013, 1017, 1020, 1023-1024,
...1033-1037, 1039, 1041, 1043, 1046-1047,
...1052, 1054-1058, 1059-1060, 1064,
...1069, 1071-1072, 1075-1076, 1078-1079,
...1088, 1089, 1092, 1096, 1099, 1106,
...1118, 1120, 1126-1128, 1133-1137,
...1146-1147, 1149-1154, 1157-1158, 1163,
...1177, 1179-1182, 1187-1188, 1194-1196,
...1207, 1209, 1212, 1218, 1220-1223,
...1230, 1234, 1238
...1248, 1251, 1257-1258, 1260, 1263, 1266,
...1275, 1278, 1283, 1288-1290, 1293-1296,
...1303, 1305, 1310, 1312-1313, 1315, 1319,
...1330, 1331-1334, 1341-1342, 1348-1349,
...1368, 1373, 1375-1376, 1380, 1383, 1386,
...1403, 1410-1412, 1414-1415, 1418-1420,
...1430, 1432, 1434, 1438-1439, 1441,
...1448, 1451, 1453-1454, 1463, 1466-1470,
...1482, 1488, 1493, 1501, 1505, 1508,
...1521-1523, 1527, 1531, 1533-1535,
...1542-1543, 1546, 1550-1551, 1553,
...1561-1562, 1566, 1571, 1573-1574, 1578,
...1580-1589, 1595, 1597-1598, 1600,
...1608, 1612-1613, 1622, 1625, 1627,
...1644, 1648, 1655, 1657, 1660, 1663,
...1674, 1678, 1680, 1682, 1684, 1686,
...1692, 1696, 1698, 1700, 1704-1705,
...1711, 1720, 1724, 1729, 1732, 1735,
...1741-1742, 1744, 1746-1748, 1755,
...1765, 1767-1773, 1775, 1781-1782, 1785,
...1791, 1793, 1796-1799, 1802-1803, 1805,
...1811-1812, 1814, 1819, 1824, 1827,
...1833, 1836-1837, 1842-1843, 1848, 1850,
...1861, 1863, 1865-1867, 1872-1876, 1879,
...1884-1887, 1890-1896, 1901, 1907, 1911,
...1917-1918, 1922, 1925-1926, 1932-1933,
...1940, 1942, 1944, 1947-1948, 1950-1951,
...1960, 1963, 1965-1966, 1970, 1974,
...1984-1985, 1987-1990, 1992, 1994-1995,
...2004, 2006, 2012, 2014, 2016-2017, 2020,
...2027, 2029-2030, 2034-2035, 2038, 2042,
...2051-2053, 2056-2059, 2061, 2064-2066,
...2076, 2078, 2081-2084, 2092-2094,
...2096-2100, 2102, 2105, 2107, 2111,
...2124-2125, 2132, 2135, 2140-2142, 2144,
...2153-2154, 2156-2158, 2160-2161,
...2166-2169, 2171, 2174, 2177-2179, 2181,
...2188, 2190-2192, 2195-2197, 2201-2203,
...2212-2213, 2216, 2220, 2224, 2228-2231,
...2237, 2239-2240, 2249, 2252-2257, 2259
...2270, 2273-2275, 2281-2283, 2285, 2287,
...2293-2294, 2298-2300, 2302-2303, 2305,
...2315, 2320-2321, 2323-2326, 2328,
...2335, 2342-2344, 2346, 2349-2351, 2354,
...2362-2364, 2366-2368, 2372, 2376,
...2384, 2387-2389, 2392, 2395, 2398, 2403,
...2416, 2419, 2422-2424, 2431, 2436, 2438,
2445, 2448, 2453, 2455, 2464, 2466-2467, 2469,
2471-2476, 2478, 2480, 2482, 2484, 2486, 2492,
2494-2495, 2497, 2500, 2506, 2509, 2512, 2515-2517,
2519, 2521-2522, 2526, 2529-2530, 2537-2539,
2543-2544, 2547-2549, 2551-2556, 2563, 2567, 2571,
2573, 2575-2577, 2581, 2585, 2587-2590, 2592-2594,
2598, 2602, 2605, 2609-2610, 2617-2618, 2622-2623,
2635, 2637-2638, 2643-2644, 2648, 2654-2656,
2659-2660, 2663, 2665-2667, 2669, 2671-2672, 2676,
2678-2681, 2686, 2688, 2690, 2693, 2695-2697,
2699-2700, 2704, 2712, 2714, 2717, 2719-2721, 2727,
2729, 2733-2736, 2742, 2747, 2750, 2753, 2757-2758,
2763-2764, 2767-2768, 2770-2772, 2774-2776,
2778-2779, 2782-2783, 2785-2786, 2791-2792, 2794,
2796, 2798, 2813, 2815, 2817, 2819, 2822, 2825,
2827-2830, 2833, 2836, 2838-2839, 2841, 2844,
2846-2848, 2850-2851, 2854, 2856-2857, 2859,
2863-2865, 2867-2872, 2877, 2880-2881, 2885-2888,
2891-2893, 2898-2899, 2901, 2905, 2907, 2909,
2911-2914, 2916, 2920-2925, 2927, 2930, 2932, 2934,
2936, 2943-2944, 2951, 2953-2954, 2956-2958, 2962,
2964-2965, 2967, 2972, 2976, 2979, 2982-2983,
2985-2986, 2988, 2990, 2992, 2994, 2996, 2998,
3000, 3007, 3009-3010, 3012-3014, 3016-3017,
3025-3027, 3030, 3032, 3034, 3036-3037, 3042,
3045-3046, 3050, 3052, 3054, 3058, 3063, 3065,
3068, 3074-3075, 3077-3078, 3081, 3084, 3090, 3095,
3097, 3102, 3106, 3108-3109, 3111, 3114, 3116-3119,
3121-3122, 3124, 3127, 3129, 3132-3133, 3138,
3142-3143, 3147-3148, 3151-3154, 3159-3161,
3164-3168, 3171, 3174-3175, 3178, 3180-3182, 3185,
3193, 3195, 3199, 3201, 3204-3206, 3208, 3211,
3213, 3215, 3218-3219, 3221-3222, 3226-3228, 3233,
3235-3237, 3245
3246, 3255, 3264, 3266-3267, 3269, 3273-3275, 3281,
3284-3285, 3287, 3290-3292, 3296, 3299, 3301-3302,
3304-3305, 3311-3312, 3314, 3319-3320, 3326-3329,
3332, 3334-3336, 3338, 3340-3342, 3347, 3353-3354,
3356, 3358-3362, 3370-3371, 3373-3374, 3379, 3381,
3383, 3392-3393, 3406-3407, 3410-3414, 3416-3417,
3422, 3425, 3429-3430, 3432, 3435, 3439-3440, 3442,
3444, 3448-3449, 3458, 3460, 3462-3464, 3466, 3468,
3470, 3475, 3477, 3486, 3492, 3494, 3496,
3503-3505, 3507-3509, 3511, 3515-3516, 3518-3520,
3522, 3525-3527, 3529, 3533-3534, 3537, 3545-3548,
3551-3552, 3555, 3557, 3565, 3567, 3576-3577, 3579,
3584-3586, 3590, 3592, 3594-3596, 3601-3604,
3606-3608, 3610-3611, 3614-3615, 3618, 3620,
3622-3623, 3627, 3630, 3632, 3640-3641, 3643-3644,
3646, 3652, 3654-3656, 3659-3660, 3670-3672, 3675,
3682, 3684-3686, 3688, 3690, 3695, 3697, 3700-3701,
3706-3707, 3715, 3717-3720, 3723, 3727-3728,
3736-3737, 3741, 3746, 3751, 3754-3755, 3758, 3763,
3770, 3772-3774, 3776-3777, 3779, 3781-3782, 3785,
3788, 3790, 3792, 3800, 3808-3811, 3813-3814,
3817-3822, 3824, 3827, 3830, 3833, 3839, 3842,
3847-3848, 3850-3852, 3854-3855, 3861, 3865,
3867-3869, 3872, 3874, 3876-3878, 3881, 3888, 3891,
3893, 3895-3896, 3898, 3903, 3906, 3908, 3912,
3915, 3917, 3924-3925, 3935, 3937, 3940, 3942,
3944, 3946, 3949, 3955, 3962, 3965-3966, 3973,
3977, 3979, 3981, 3987, 3989-3991, 3994-3995, 3998,
4000-4002, 4008-4009, 4011-4014, 4021, 4028-4029,
4032-4033, 4035, 4037, 4040-4041, 4048, 4050-4051,
4057-4058, 4060, 4062-4065, 4067-4068, 4071, 4073,
4081, 4088, 4092-4095, 4097, 4099-4100, 4102-4103,
4108, 4110, 4113, 4116-4117, 4123-4124, 4130-4133,
4137, 4142-4145, 4148, 4152, 4155-4156, 4164, 4167,
4170-4171, 4174, 4184, 4186-4187, 4190, 4194-4197,
4199, 4201-4204, 4212-4213, 4215, 4217-4218, 4223,
4225, 4229, 4232, 4235-4236, 4238, 4242, 4251,
4253, 4258, 4260, 4262-4264, 4268, 4270, 4273,
4278, 4282, 4287, 4294, 4297, 4300
MALEATES: 2063, 3349
MALIGNANT CARCINOID SYNDROME: 1386, 2171
MALIGNANT HYPERTHERMIA: 504
MALPIGHIAN TUBULES: 456
MAMMAE: 326, 567-568, 585, 602, 1311, 1410,
1461-1462, 1575, 2269, 2341, 2354, 2407, 2518,
3229, 3271, 3322, 3542, 3569, 4030-4031, 4066
MAMMALS: 153, 257, 288, 1909, 2024, 2220, 2277,
2607, 2732, 2747, 2799, 2849
MAMMARY CANCER VIRUS: 2681
MAMMARY NEOPLASMS, EXPERIMENTAL: 357,
642-643, 775, 1119, 1173, 1575, 2493, 2681, 3271,
4168
MAMMILLARY BODIES: 160, 280, 2570, 2979,
3165, 3210
MAMMOGRAPHY: 3219
MANDELIC ACID: 3017, 3079, 3153
MANDIBLE: 71, 242-243, 905, 1524, 1611, 3076,
4160
MANDIBULAR NEOPLASMS: 3727
MANEB: 2999
MANGANESE: 125, 1104, 1811, 2803, 3020, 3228
MANNITOL: 504, 552
MANNOSE: 2403
MANOMETRY: 3439, 4032, 4168
MAPLE SYRUP URINE DISEASE: 3254
MARRIAGE: 1455
MARSUPIALIA: 2295, 2714
MARYLAND: 2686
MASOCHISM: 1803
MASS SCREENING: 789, 1174, 1417, 2508
MASS SPECTRUM ANALYSIS: 16, 110, 364, 432,
474, 517, 788, 901, 996, 1040, 1249, 1268, 1310,
1366, 1384, 1502, 1609, 1646, 1750, 2074, 2227,
2329, 2545, 2929, 3345, 3470, 3580, 3753, 4017,
4062
MAST CELLS: 294, 391, 463, 760-761, 1009, 1281,
1365, 2313, 2331, 2355, 2663, 3040, 3666, 3960
MASTECTOMY: 306, 799, 842, 1100, 3136, 3219,
3276
MASTICATION: 3467
MASTICATORY MUSCLES: 378, 2872
MASTITIS, BOVINE: 2646, 3689, 4076, 4240
MATERNAL AGE: 123, 409, 1077, 1641, 1652,
2675, 3009, 3090, 3212, 3245
MATERNAL BEHAVIOR: 1391, 2542, 3285, 3943,
3996, 4043
MATERNAL DEPRIVATION: 2437
MATERNAL-FETAL EXCHANGE: 52, 61, 88, 153,
192, 238, 258, 263, 307, 372, 410, 431, 526, 573,
635, 675, 744, 869, 952, 1018, 1033, 1232, 1265,
1277, 1311, 1340, 1459, 1494, 1500, 1524, 1567,
1676, 1683, 1689, 1756, 1758, 1770, 1839, 1968,
2027, 2386, 2450, 2557, 2759, 2800-2801, 2834,
2937, 2999, 3013, 3096-3097, 3140, 3255, 3286,
3306, 3335, 3395, 3423, 3429, 3517, 3546-3547,
3696, 3878, 3893, 3901, 3949, 4095, 4279, 4296
MATERNAL HEALTH SERVICES: 609, 2683
MATERNAL MORTALITY: 463
MATHEMATICS: 296, 476, 540, 556, 1002, 1304,
1377, 1408, 1410, 1488, 1612, 1734, 1954, 2170,
2228, 2387, 2528, 2579-2580, 3064, 3083, 3265,
3451, 3570, 3625, 3913, 3922, 3999, 4014,
4103-4104, 4183, 4245
MAXILLA: 1524, 4009
MAXILLARY DISEASES: 1520
MAXILLARY NEOPLASMS: 2229, 2632
MAXILLARY SINUS: 2148, 2393, 2928
MAXILLOFACIAL DEVELOPMENT: 1091, 4141
MEASLES: 466
MEAT: 2075, 3689
MECAMYLAMINE: 2362
MECHANORECEPTORS: 86, 4106
MECHLORETHAMINE: 9, 701, 896, 2621, 4206
MECKEL'S DIVERTICULUM: 2994
MECLASTINE: 3876
MECONIUM: 691
MEDIASTINAL DISEASES: 524, 645, 981
MEDIASTINAL NEOPLASMS: 427, 538, 600, 836,
1315, 2192, 2214, 4102
MEDIASTINUM: 17
MEDICAL HISTORY TAKING: 123, 3765
MEDICAL RECORDS: 84, 3343
MEDICATION ERRORS: 3997
MEDICINE IN ART: 3055
MEDROXYPROGESTERONE: 458, 2291, 2805, 3138,
3163, 4260
MEDULLA OBLONGATA: 507, 610, 860, 1043,
1219, 1357, 1480, 1850, 1972, 2015, 2790, 2858,
3277, 3972
MEDULLOBLASTOMA: 1891, 2249, 2962, 3444,
3627
MEFENAMIC ACID: 164
MEGESTROL: 1155, 1637, 1679, 1976, 2805, 3066
MEIOSIS: 264, 1202, 1398, 1752, 2220, 2517, 2564,
2746, 2907, 2932, 3009, 3060, 3093, 3150, 3160,
4300
MELANIN: 2728, 3113, 3241, 3958
MELANOCYTES: 3113, 3415
MELANOMA: 470, 768, 832, 1106, 1890, 1955, 2485,
2629, 2674, 3126, 4102
MELATONIN: 226, 564, 1892, 2307, 2660, 2885,
3204, 3606, 4136
MELENA: 1423
MELENGESTROL: 914
MELPHALAN: 434, 1333, 1959, 2132, 2847, 3598
MEMBRANE POTENTIALS: 287, 849, 894, 939,

1157, 1549, 1656, 1993, 2143, 2534, 2633, 2761, 2769, 3209, 3609, 3613, 3859, 4071, 4120, 4249
MEMBRANES: 287, 520, 562, 802, 1104, 1269, 1631, 2205, 2433, 2504, 2540, 2809, 3438, 3566, 3712, 3734, 3926, 3973, 4029, 4125, 4147
MEMBRANES, ARTIFICIAL: 1269, 2499, 3913
MEMORY: 933, 1214, 1245, 1699, 3332
MEMORY DISORDERS: 967
MEMORY, SHORT-TERM: 737, 1233, 3103, 3332, 3690
MENARCHE: 281, 418, 1244, 1381, 3094
MENIERE'S DISEASE: 2601
MENINGES: 538, 1949, 2457
MENINGIOMA: 406, 485, 893, 1393, 1584, 1658, 1762, 1891, 2189, 2444, 2827, 3001, 3521, 3782
MENINGITIS: 1537, 2414, 2601, 2753, 3444
MENINGITIS, MENINGOCOCCIC: 24
MENINGITIS, PNEUMOCOCCAL: 6
MENINGOCOCCAL INFECTIONS: 289
MENOPAUSE: 134, 267, 423, 536, 773, 799, 1105, 1149, 1173, 1360, 1517, 1569, 1633, 1645, 1785, 1845, 1971, 2264, 2373, 2402, 2625, 2724-2725, 2856, 3027, 3136, 3157, 3435, 3520, 3616, 3658, 3882, 4260
MENORRHAGIA: 751, 2760, 3523
MENOTROPINS: 705, 751, 1168, 1275, 1921, 3632
MENSTRUATION: 4-5, 60, 241, 799, 804, 1003, 1228, 1291-1292, 1381, 1440, 1630, 1785, 1922, 2037, 2060, 2129, 2395, 2440, 2709, 2883, 3146, 3238, 3324, 3357, 3392, 3436, 3574, 3647, 3657, 3775, 3886, 3905, 4189, 4227, 4292
MENSTRUATION DISORDERS: 284, 361, 598, 751, 793, 994, 1170, 1292, 1358, 2625, 2648, 2977, 3220, 3421
MENTAL DISORDERS: 70, 442, 723, 1940, 2073, 2399, 2918, 3485, 3524
MENTAL RETARDATION: 282, 299, 843, 873, 1081, 1233, 1424, 1434, 1482, 1771, 1940, 1983, 2073, 2208, 2819, 2909, 2983, 3010, 3012, 3112, 3381, 3526, 3605, 3650, 3790, 3800, 3878, 4088, 4218
MEPERIDINE: 1412
MEPIVACAINE: 1536
MEPRYLCAINE: 270
MERCAPTOETHANOL: 861, 1789, 4172
MERCAPTOPURINE: 118, 417, 542, 701, 747, 1244, 1522, 1535, 1580-1581, 1884, 2764, 2832, 3252, 4018, 4142, 4275
MERCURY: 244, 478, 635, 3031, 3368, 3409, 3633, 3676, 3863
MERCURY POISONING: 2934, 3633
MESCALINE: 478, 1443
MESENCEPHALON: 20, 107, 116, 507, 622, 860, 992, 1059-1060, 1078, 1219, 1334, 1357, 1381, 1480, 1655, 2432, 2556, 2704, 2773, 2848-2849, 2858, 2919, 2982, 3058, 3433, 3515-3516, 3518, 3578
MESENTERIC ARTERIES: 1218, 1369, 3611, 4115
MESENTERIC LYMPHADENITIS: 3915
MESENTERIC VASCULAR OCCLUSION: 4115
MESENTERIC VEINS: 1369, 3611
MESENTERY: 17, 1382, 1925, 3746
MESONEPHROMA: 666, 2926
MESOTHELIOMA: 1215, 1421, 2354
MESTRANOL: 262, 393, 1879, 1976, 2187, 2687, 2805, 2843, 3066, 3574, 4019, 4041
METABOLIC CLEARANCE RATE: 602, 816, 1116, 1867, 2124, 2287, 2310, 2425, 3056
METABOLIC DISEASES: 138, 444, 1227, 1323, 2479, 2902, 2910, 3084, 3245, 3299, 3868, 3973
METABOLISM: 833, 2210, 2981, 3667, 3961
METABOLISM, INBORN ERRORS: 300, 789, 1392, 1641, 1782, 1807, 2360, 2910, 3705, 3765, 3982, 4155, 4217, 4273
METACARPUS: 670, 891
METALS: 819, 1208, 1541, 1620, 1666, 2173, 2243, 2538, 2784
METAMORPHOSIS, BIOLOGICAL: 268, 456, 586, 1514, 1638, 2806-2807, 3190, 3240, 3750
METARAMINOL: 1383, 1634, 3554
METHADONE: 28-29, 630, 817, 1633
METHAMPHETAMINE: 1160, 1893-1894
METHANDROSTENOLONE: 2150, 4070
METHANE: 753, 1275, 3753
METHAZOLAMIDE: 4295
METHEMOGLOBIN: 3908
METHICILLIN: 1057
METHIMAZOLE: 273, 570, 1340, 1376, 1448, 2176, 2548, 2973, 3031, 3586
METHIONINE: 113, 444, 1889, 2110, 2558, 3257, 3380, 3430, 3437, 3481, 4002
METHIONINE SULFOXIMINE: 478
METHODS: 4-5, 16, 47-48, 50, 69, 84, 101, 109, 139, 145-146, 156, 161, 170, 175, 220, 254, 272, 275, 331, 382, 389, 427, 432, 470-471, 476, 494, 518, 523, 528, 545-546, 556, 558, 561, 574, 590, 594, 604, 617, 623, 666-667, 682, 684, 697, 707, 726, 733-734, 749, 752, 768, 792, 803, 808, 813, 858, 872, 876, 878, 892, 924, 985, 1026, 1032, 1037, 1040, 1065, 1098, 1120, 1134, 1189, 1202, 1217, 1248, 1250, 1284, 1292-1293, 1299, 1304, 1308, 1314, 1321, 1349, 1377, 1393, 1395, 1417, 1431, 1438, 1458, 1460, 1502, 1506, 1524, 1532, 1537, 1555, 1565, 1573, 1578-1579, 1592, 1596, 1606, 1611, 1616, 1623, 1627, 1630, 1633, 1685, 1688, 1691, 1723-1724, 1745, 1750, 1778, 1788-1789, 1810, 1881, 1890, 1896, 1912-1913, 1932, 1937, 1942, 1945, 1956, 1962, 1967, 1969, 2012, 2022, 2038, 2044, 2067, 2071-2072, 2077, 2095, 2103, 2160, 2185, 2211, 2228, 2236, 2275, 2288-2289, 2293, 2325, 2337, 2367, 2381, 2385, 2406-2407, 2417, 2424-2425, 2434, 2487, 2492, 2499, 2505, 2507-2508, 2516, 2545, 2561, 2592, 2597, 2608, 2613, 2619, 2644-2645, 2649-2650, 2652, 2662, 2694, 2701, 2714, 2716, 2721, 2749, 2753, 2777, 2787, 2804, 2820, 2833, 2870, 2878, 2917, 2961, 2972, 2987, 2989, 2998, 3024, 3031, 3065, 3069-3070, 3083, 3090, 3121, 3141, 3146, 3178, 3193, 3195, 3200, 3208, 3231, 3238, 3245-3246, 3272, 3294, 3302, 3306-3307, 3358-3359, 3361, 3369, 3377, 3404, 3471, 3499, 3511, 3527, 3604, 3626, 3639, 3683, 3729, 3738, 3741, 3753, 3768, 3782, 3794, 3799, 3845, 3849, 3853, 3867, 3869, 3904, 3909, 3913-3914, 3918, 3948, 3966, 3968, 3982, 3988, 4027, 4074, 4080, 4090, 4097, 4102, 4104, 4149, 4189, 4192, 4223, 4243, 4245, 4267, 4299
METHOTREXATE: 118, 154, 513, 638, 701, 747, 834, 842, 940, 1133, 1244, 1535, 1580-1581, 1663, 1678, 1904, 2764, 2832, 2862-2863, 2950, 3110, 3252, 3465, 3616, 3923, 4018, 4026, 4133, 4142, 4147, 4263, 4268, 4275, 4280
METHOXYFLURANE: 1099, 2458, 2924, 3704
METHOXYHYDROXYPHENYL GLYCOL: 1417, 3153
METHYL ETHER: 183, 519, 1058, 1099, 2446
METHYLAMINES: 492, 828
METHYLATION: 8, 40, 403, 803, 985, 2479, 2545, 2634, 3345, 3353, 3437, 3662, 3767, 4017
METHYLCELLULOSE: 154
METHYLCHOLANTHRENE: 292, 760, 1647, 2388, 2493, 3179, 4225
METHYLDOPA: 254, 822, 1634, 2467, 3851
METHYLERGONOVINE: 1779
METHYLMETHACRYLATE: 257, 3663
METHYLPREDNISOLONE: 164, 182, 289, 333, 889, 892, 895, 1167, 1299, 1339, 1342, 1536, 1678, 1783, 1818, 2560-2561, 2662, 2753, 3291, 3559
METHYLTESTOSTERONE: 1543, 3555, 4260
METHYLTHIOURACIL: 46, 297, 329, 1101, 1375, 2478, 2973, 3031, 3326, 3592
METHYLTRANSFERASES: 403, 458, 1219, 2634, 2667, 2711, 3203, 3380, 3740, 3819
METHYLTYROSINES: 283, 298, 311, 681, 729, 945, 1193, 1644, 1840, 2199, 2735, 2958, 3199, 4212, 4215
METHYSERGIDE: 347, 1779, 2735, 3161, 3456, 4073
METRONIDAZOLE: 1358, 4150
METRORRHAGIA: 1293, 1849, 2511, 2760, 3523, 3563-3564
METYRAPONE: 425, 494, 636, 908, 1152, 1472, 1562, 1838, 1986, 2464, 2671, 2754, 2763, 2975, 3131, 3250, 3274-3275, 3766, 3810, 3908, 3921, 4096
MEVALONIC ACID: 3502
MICE: 8, 17, 59, 81, 97-98, 119, 151, 153, 161-162, 173, 213, 243, 256, 258, 264, 284, 292, 303, 326, 329, 337, 367-368, 377, 387, 407, 414, 468-469, 481, 518, 536, 604, 622, 635, 647, 658, 661, 684, 708, 722, 751, 753, 776, 817, 832, 856, 869, 885, 902, 916, 927, 944-945, 951, 965, 982, 995, 1001, 1011, 1033, 1072, 1093, 1099, 1118, 1138, 1152, 1164, 1235, 1238, 1243, 1264, 1277, 1282, 1309, 1318, 1325, 1329-1330, 1355-1356, 1363, 1439, 1447, 1477-1478, 1485, 1490, 1512, 1528, 1549, 1552, 1575, 1595, 1611, 1614, 1653, 1660, 1673, 1675, 1699, 1704, 1749, 1770, 1802, 1832, 1843-1844, 1852, 1885, 1901, 1924, 1928, 2005, 2026, 2040, 2051, 2062, 2108, 2114, 2116, 2161, 2218-2220, 2227, 2254, 2321, 2323, 2326, 2331, 2359, 2361, 2389, 2407, 2439, 2442, 2467, 2491, 2493, 2499, 2506, 2509, 2515, 2531, 2554, 2569-2570, 2598, 2605-2606, 2631-2632, 2638, 2681, 2687, 2743, 2746, 2766, 2800, 2824, 2834, 2898, 2908, 2920-2921, 2946, 2948, 3051, 3067, 3075, 3113, 3130, 3135, 3139-3140, 3143, 3149, 3151, 3160-3161, 3244, 3268, 3271, 3302, 3325, 3396, 3411, 3446, 3466, 3482, 3544, 3565, 3591, 3601, 3621, 3710, 3719, 3748, 3794, 3803, 3833, 3936, 3940, 3943, 3954, 3972, 4020-4021, 4028, 4033-4034, 4041-4042, 4093, 4196, 4203-4204, 4224, 4255,
MICE, INBRED A: 206, 368, 1282,
MICE, INBRED BALB C: 303, 368,
1004, 1282, 1575, 2051, 2493, 2515,
3229, 3936, 4020
MICE, INBRED C3H: 151, 708, 1001,
4168
MICE, INBRED C57BL: 59, 206, 292,
832, 862, 869, 902, 1001, 1004, 1099,
1363, 1552, 2026, 2218, 2361, 3040,
3936, 3940, 4028
MICE, INBRED CBA: 329, 1282,
MICE, INBRED DBA: 832, 902, 1001,
3940
MICE, INBRED ICR: 4196
MICE, INBRED STRAINS: 151, 264,
1001, 1004, 1243, 1675, 2062, 2506,
3143, 3160, 3337, 3936, 4021, 4028,
MICROBIAL SENSITIVITY TESTS:
MICROBODIES: 1617
MICROCEPHALY: 873, 1237, 2005,
MICROCHEMISTRY: 16, 664, 1250,
2232, 3404, 3753, 3916
MICROCIRCULATION: 18, 2088, 2352,
4157
MICROCOCCUS: 3635
MICROELECTRODES: 566, 1993, 2000,
3453, 4031, 4077
MICROGNATHISM: 1949
MICROINJECTIONS: 741, 1774, 3247,
MICROMANIPULATION: 4031
MICROPHTHALMOS: 207
MICROPORE FILTERS: 1724
MICRORADIOGRAPHY: 1206, 2084,
3076, 3417, 3675
MICROSCOPY: 226, 291, 585, 902,
1858, 2293, 2400, 2549, 2612, 2691,
3203, 3424, 3675, 3760, 3784, 3838,
4087, 4152
MICROSCOPY, ELECTRON: 18, 35,
244, 247, 256, 268, 290-291, 360,
553, 558, 560, 562, 610, 641, 692,
902, 922, 972, 1016, 1114, 1129,
1332, 1335, 1448, 1470, 1529, 1541,
1631, 1651, 1668, 1684, 1751, 1802,
1907, 1918-1919, 1954, 2014, 2029,
2129, 2141, 2152, 2263, 2293, 2298,
2394, 2400, 2504, 2549-2550, 2582,
2663, 2689, 2691-2692, 2714, 2736,
2789, 2815, 2877, 2880, 2886, 2902,
3022, 3051, 3122, 3126, 3128, 3166,
3268-3269, 3271, 3350, 3401, 3416,
3438, 3468, 3483, 3530, 3566, 3739,
3804, 3813, 3816, 3844, 3848, 3973,
4008, 4022, 4066, 4126, 4147, 4152,
4221-4222, 4224, 4259, 4284
MICROSCOPY, ELECTRON, SCANNI
1263, 1501, 1627, 1941, 2167, 2237,
3675, 4005
MICROSCOPY, FLUORESCENCE: 20,
954, 1009, 1680, 2314-2315, 2355,
2790, 2919, 3328, 3640, 3804, 3834,
MICROSCOPY, PHASE CONTRAST:
2267, 2506, 2932
MICROSCOPY, POLARIZATION:
MICROSCOPY, ULTRAVIOLET: 724
MICROSOMES: 318, 432, 568, 587,
849, 922, 1274, 1310, 1425, 1469,
1646-1648, 2151, 2349, 2447, 2547,
2894, 3350, 3491, 4004, 4060-4061,
MICROSOMES, LIVER: 348, 492,
996, 1099, 1152, 1280, 1646-1648,
3137, 3217, 3274-3275, 3906, 3925,
MICROSPHERES: 201, 755, 1721
MICROSPORUM: 2376
MICROSURGERY: 1140, 1526
MICROTOMY: 1016, 1106
MICROTUBULES: 247, 268, 2129,
MICROWAVES: 2927, 4263

LIBRARY U. OF L. URBANA-CHAMPAIGN

1, 7, 26, 33-34, 41, 44, 58, 69, 85,
126, 128, 133-134, 139, 146, 163,
219, 231-232, 236, 261, 267, 293,
317, 338, 352-353, 383-384, 391,
413, 416-417, 424, 427, 433, 438,
477, 483, 493, 510-511, 523, 527,
57, 563, 570, 581, 590, 636,
70, 673, 685, 693, 700, 716, 738,
788, 783, 785, 793, 796, 800, 812,
36, 872, 876, 879, 882, 897, 900,
930, 938, 942, 956, 959, 963-964,
3. 1020, 1024, 1034-1036, 1041,
7. 1092, 1096, 1100, 1105, 1129,
50, 1156, 1171, 1194-1195, 1207,
94, 1227, 1230-1231, 1242, 1260,
94, 1296, 1300, 1315, 1324, 1332,
49-1350, 1358, 1360, 1373, 1386,
14, 1418, 1430, 1433-1434, 1444,
94, 1470, 1486, 1497, 1517,
4, 1536-1537, 1540, 1542, 1557-1558,
73, 1600, 1625, 1631, 1633-1634,
37, 1711, 1720, 1732, 1735, 1738,
3, 1759, 1761-1763, 1812, 1815, 1829,
35-1866, 1870, 1875, 1890-1891, 1896,
50, 1961, 1971, 1974, 1984-1985,
06, 2017, 2020-2021, 2025, 2044,
0, 2076, 2082-2084, 2096, 2100, 2102,
35, 2140, 2148, 2157, 2169, 2171,
95, 2201-2202, 2209, 2213-2214, 2230,
0, 2253, 2264, 2266, 2285, 2287,
1, 2330, 2333, 2340, 2343, 2350-2351,
54, 2366, 2373, 2381, 2393, 2405,
27, 2440, 2445, 2448, 2453, 2464,
3, 2480, 2494, 2512-2513, 2524,
0, 2551-2555, 2565, 2568, 2573,
1-2596, 2600, 2602, 2610-2611, 2615,
54-2655, 2672, 2675, 2678-2679, 2688,
19, 2721, 2724-2725, 2727, 2729,
52-2753, 2775-2776, 2779, 2825,
3, 2836-2837, 2839, 2856, 2863, 2872,
3, 2892
14, 2922, 2951, 2953, 2976,
0, 2992, 3002, 3009-3010, 3016, 3024,
50, 3054, 3056, 3063, 3075, 3077,
96, 3090, 3095, 3115, 3118, 3122,
46-3147, 3151, 3155, 3159, 3180,
01, 3218, 3220, 3222, 3233-3234,
76, 3283, 3291-3292, 3296, 3301,
26, 3329, 3334, 3341-3342, 3347,
3-3360, 3375, 3383, 3394, 3422, 3429,
52, 3464, 3486, 3493, 3500, 3504,
14, 3526-3527, 3537, 3553, 3555,
99, 3602-3603, 3615, 3620, 3627,
65, 3684, 3693, 3697, 3701, 3705,
17, 3720, 3723, 3725, 3727, 3737,
92, 3816, 3822, 3830-3831, 3842,
3, 3881, 3892, 3906, 3912, 3915,
35, 3938-3939, 3955, 3965, 3980,
11, 4013, 4026, 4060, 4063-4064,
5, 4119, 4123-4124, 4130, 4135, 4137,
26, 4235, 4241-4242, 4252, 4260,
74, 4287
383, 3881
1, 2172, 3554
DICINE: 1174
. 605, 659, 911, 1103, 1210, 1676,
17, 2295, 2341, 2525, 2646, 2681,
71, 3400, 3689, 3767, 4066, 4240
: 469, 1436, 4103
NS: 444, 659, 1327, 1867, 2525, 3600,

WII
TERS: 3426
TICOIDS: 174, 3152, 3342, 3371
, 590, 828, 1377, 1666, 1950, 2368,

IN DYSFUNCTION: 1233
3851

I: 979, 1333, 1816, 4133, 4290
A: 76, 247, 268, 291, 293, 587,
706, 740, 849, 865, 922, 958, 972,
1, 1258, 1274, 1335, 1509, 1618,
742, 1795-1796, 1834, 1853, 2129,
51, 2205, 2447, 2530, 2540, 2547,
31, 2873, 2880, 2997, 3190, 3280,
39, 3461, 3483, 3552, 3633, 3739,
82, 4133, 4186, 4193, 4224
A, LIVER: 348, 562, 587, 780, 1201,
1226, 1488, 1653, 1698, 1739, 1742, 1954, 2086, 2117, 2372, 2997, 3217, 3280, 3361, 3752, 4061, 4183, 4186
MITOCHONDRIA, MUSCLE: 401, 873, 1742, 1807, 2400, 3890
MITOCHONDRIAL SWELLING: 2447, 2540, 3401
MITOGENS: 404, 1558, 3139
MITOMYCIN: 701, 4020-4021
MITOSIS: 50, 113, 177, 264, 501, 708, 833, 902, 1093, 1107, 1256, 1680, 1786, 1878, 1884, 1924, 2023, 2114, 2813, 2849, 2978, 3060, 3157, 3160, 3437, 4033, 4053, 4121, 4218, 4224, 4229, 4279
MITOTANE: 3420
MITRAL VALVE: 3493
MOBILE HEALTH UNITS: 3283, 3869
MODELS, BIOLOGICAL: 368, 393, 765, 820, 859, 902, 983, 993, 1056, 1082, 1233, 1474, 1706, 1986, 2001, 2030, 2062, 2143, 2145, 2151, 2188, 2205, 2228, 2269, 2310, 2334, 2403, 2470, 2497, 2534, 2546, 2578-2580, 2633, 2647, 2656, 2748, 2799, 2958, 3157, 3178, 3248, 3464, 3709, 3729, 3940, 3958, 3973, 4183
MODELS, CHEMICAL: 643, 803, 939, 1031, 1108, 1789, 1931, 2446, 3182
MODELS, NEUROLOGIC: 80, 304, 821, 1451, 2761, 3244, 3758
MODELS, PSYCHOLOGICAL: 944
MODELS, STRUCTURAL: 276, 356, 939, 2329, 2346, 2417, 2769
MODELS, THEORETICAL: 3626
MOLAR: 905, 975, 1611, 2146, 2152, 4009
MOLECULAR CONFORMATION: 276, 463, 515, 674, 684, 707, 803, 1010, 1051, 1155, 1650, 2186, 3386, 3506
MOLECULAR WEIGHT: 59, 197, 472, 480, 763, 804, 861, 1123, 1250, 1280, 1452, 1539, 1729, 1737, 1765, 1868, 1929-1930, 1953, 2198, 2276, 2812, 2845, 2884, 2996, 3085, 3207, 3392, 3506, 3549, 3588, 3613, 3643, 3963, 4047, 4214
MOLLUSCA: 390, 589, 1398, 2254, 2404, 3209, 3702
MOLLUSCUM CONTAGIOSUM: 1298
MOLYBDENUM: 1473, 2668, 4117
MONGOLISM: 42, 282, 789, 1077, 1306, 1323, 1392, 1641, 1652, 1940, 2562, 2675, 3090, 3682
MONGOLOID RACE: 2562, 3713
MONILIALES: 1552, 4259
MONILIASIS: 1350, 1506, 3473
MONILIASIS, CUTANEOUS: 3178, 3664
MONITORING SYSTEMS: 577, 931, 1743, 3310
MONKEY DISEASES: 360, 4084
MONKEYS: 251, 259, 360, 419, 467, 571, 592, 608, 679, 780, 821, 825, 932, 976, 1026, 1033, 1117, 1177, 1214, 1353, 1415, 1571, 1655, 1693, 1733, 1844, 1850, 1885, 1887-1888, 1969, 1973, 2098, 2221, 2243, 2254, 2296, 2420, 2455, 2470, 2562, 2677, 2694, 2704, 2738, 2871, 2958, 2963, 2995, 3047, 3208, 3400, 3453, 3517, 3542, 3889, 3944, 4084, 4189, 4243
MONOAMINE OXIDASE: 562, 565, 883, 1618, 1654, 2039, 2997, 3372, 3424, 3594, 3784, 3959
MONOAMINE OXIDASE INHIBITORS: 135, 283, 324, 945, 1653-1655, 2522, 3959
MONOCYTES: 231, 1337, 3565
MORBIDITY: 932
MORPHINANS: 3275
MORPHINE: 28, 522, 681, 870, 916, 1243, 1595, 3199, 3274-3275, 3422, 3524, 4138, 4196
MORPHINE ADDICTION: 817, 1595
MORPHOGENESIS: 1055, 1256, 1518, 2550
MORPHOLINES: 1305, 3316
MORTALITY: 1277, 1913, 2921, 3881, 4199
MOSAICISM: 282, 979, 1652, 1957, 2023, 2040, 2112, 2762, 2970, 3060, 3279, 3495, 3682, 4194
MOSCOW: 467
MOSQUITO CONTROL: 907
MOSQUITOES: 1428, 2860
MOTHER-CHILD RELATIONS: 441, 2823
MOTIVATION: 65, 620, 1121, 1214, 1682, 1916, 1945, 3103, 3221, 3283, 3467, 3578
MOTOR ACTIVITY: 100, 206, 531, 571, 628, 662, 741-742, 820-821, 944, 1165, 1259, 1290, 1559, 1662, 1819, 1876, 1892, 2067, 2361, 2605, 2716, 2738, 2792, 3111, 3141, 3176, 3332, 3700, 3777, 3940, 3972
MOTOR CORTEX: 107, 1480, 2387
MOTOR NEURONS: 1972, 2333, 3526
MOTOR SKILLS: 61, 3097
MOTTLED ENAMEL: 3191
MOUNTAINEERING: 4138
MOUTH ABNORMALITIES: 2005
MOUTH DISEASES: 24, 833, 2135, 3778, 3980
MOUTH MUCOSA: 979, 3945, 4035
MOUTH NEOPLASMS: 2755, 4035
MOVEMENT: 100, 206, 694, 1121, 1666, 1926, 3285, 3343, 3432, 3451, 3917, 4170
MOVEMENT DISORDERS: 1095, 2073, 3800
MSH: 170, 355, 576, 596, 881, 1892, 2087, 2514, 2640, 3028, 3405, 3958, 4136
MUCIN: 1213, 3186
MUCOCELE: 26, 1533, 2189, 3104
MUCOPOLYSACCHARIDES: 18, 107, 136, 514, 644, 1574, 1641, 1898-1899, 2008, 2313, 2391, 2653, 2973, 3003-3004, 3060, 3581, 3650, 3739, 3788, 3960, 4162, 4258
MUCOPROTEINS: 2774
MUCOUS MEMBRANE: 197, 617, 2007, 2044, 2452, 2576
MUCUS: 2854
MULLERIAN DUCTS: 1055, 1724, 2324, 3171, 4094
MULTIENZYME COMPLEXES: 3256, 3552
MULTIPLE MYELOMA: 51, 464, 1227, 1669, 1959, 2001, 2126, 3139, 3359, 3885, 4190
MULTIPLE SCLEROSIS: 1877, 2343, 2753, 3885, 3993
MUSCLE CONTRACTION: 117, 320, 395, 426, 686, 855, 870, 906, 941, 999, 1073, 1124, 1164, 1369, 1605, 1755, 2116, 2332, 2367, 2433, 2534, 2565, 2769, 2804, 2831, 2931, 3226-3228, 3297, 3304, 3450, 3562, 3735, 3902, 4044, 4118
MUSCLE CRAMP: 736, 967
MUSCLE PROTEINS: 1322, 2047, 3570
MUSCLE RELAXANTS, CENTRAL: 2653
MUSCLE RIGIDITY: 29
MUSCLE, SMOOTH: 172, 311, 582-583, 669, 686, 855, 906, 941, 1124, 1285, 1369, 1408, 1640, 2116, 2153, 2232, 2433, 2534, 2704, 2748, 2769, 3206, 3209, 3228, 3253, 3309, 3562, 3772, 3793, 3809, 3850, 3902, 3907, 3986, 4042, 4118, 4162
MUSCLE TONUS: 29, 241, 906, 1873, 4032
MUSCLES: 72, 88, 97, 117, 201, 232, 242-243, 341, 346, 412, 426, 504, 508, 528, 530, 544, 727, 815, 830, 875, 957, 1011, 1062, 1080, 1082, 1284, 1308, 1322, 1348, 1437, 1525, 1539, 1541, 1635, 1725, 1783, 1807, 1923, 1992, 2009, 2047, 2103, 2170, 2186, 2214, 2232, 2286, 2294, 2304, 2321, 2332, 2400, 2430, 2494, 2496, 2499, 2504, 2521-2522, 2793, 2831, 2872, 2899, 2902, 3011, 3182, 3209, 3253, 3522, 3560, 3570, 3582, 3667-3668, 3774, 3844, 3855, 3973, 3990, 4002, 4025, 4085, 4131
MUSCULAR ATROPHY: 424, 1414, 2066, 2872, 3560, 3844
MUSCULAR DISEASES: 1807, 1870, 2705, 2718, 2902, 3299, 3844, 3973, 4088
MUSCULAR DYSTROPHY: 875, 1324, 3090, 3245
MUSHROOMS: 826
MUSSELS: 686, 3902
MUSTARD COMPOUNDS: 3161, 4015
MUTAGENS: 105, 1037, 2907
MUTATION: 3, 73-74, 105, 269, 904, 1568, 1577, 1611-1612, 1822, 1833, 1889, 2001, 2188, 2220, 2526, 2666, 2840, 2940, 3060, 3100, 3303, 3366, 3833, 4025, 4055, 4132, 4154, 4180
MYASTHENIA GRAVIS: 261, 305, 1350, 1605, 1830, 2102, 2115, 2183, 2872, 3122, 3585, 3877, 3980
MYCOBACTERIUM: 1886
MYCOBACTERIUM BOVIS: 1886
MYCOBACTERIUM INFECTIONS: 1886, 2851
MYCOBACTERIUM LEPRAE: 1342
MYCOBACTERIUM TUBERCULOSIS: 554, 1886, 3565
MYCOPLASMA: 495
MYCOSES: 1663, 3473
MYCOTOXINS: 2518, 4158
MYELIN SHEATH: 958, 1876
MYELITIS: 2818, 3993
MYELOFIBROSIS: 1053, 3503, 4206
MYELOGRAPHY: 523, 1190, 2962
MYELOID METAPLASIA: 1053, 3503
MYELOMA PROTEINS: 3540
MYENTERIC PLEXUS: 3550
MYOBLASTOMA: 3553
MYOCARDIAL DEPRESSANTS: 227
MYOCARDIAL DISEASES, PRIMARY: 4298
MYOCARDIAL DISEASES, SECONDARY: 1324, 2705
MYOCARDIAL INFARCT: 486, 786, 931, 987, 1041, 1324, 1545, 1947, 2107, 2285, 3672, 4262, 4266
MYOCARDITIS: 563, 2096
MYOCARDIUM: 9, 83, 89, 172, 225, 227, 330, 335,

401, 471, 528, 565, 608, 727, 743, 815, 886, 999, 1011, 1054, 1118, 1218, 1222, 1234, 1400, 1408, 1415, 1531, 1538, 1574, 1725, 1742, 1802, 1826, 1840, 1897, 1912, 2012, 2039, 2047, 2080, 2103, 2143, 2147, 2165, 2170, 2190, 2194, 2198, 2232, 2294, 2321, 2404, 2442, 2449, 2469-2470, 2489, 2491, 2499, 2502, 2521-2522, 2586, 2673, 2744, 2769-2770, 3011, 3153, 3182, 3195, 3232, 3335-3336, 3461, 3490, 3522, 3549, 3582, 3669, 3733-3734, 3740, 3767, 3770, 3875, 3890, 3896, 3959, 3970, 3990, 4104, 4131
MYOFIBRILS: 89, 117, 1322, 2534
MYOGLOBINURIA: 216
MYOMA: 39
MYOSIN: 301, 1897
MYOSITIS: 232, 1172
MYOSITIS, EOSINOPHILIC: 1705
MYOSITIS OSSIFICANS: 1150
MYOTONIA: 530
MYXEDEMA: 218, 352, 433, 672, 700, 844, 1149, 1184, 1346, 1406, 1563, 2132, 2988, 3032, 3186, 3842, 4060, 4074
MYXOMYCETES: 2327
NAD: 187, 1082, 1152, 1276, 1648, 1689, 2114, 2151, 2186, 2227, 2447, 2499, 2540, 2614, 2622, 2894, 2947, 3135, 3522, 4186-4187
NADH, NADPH OXIDOREDUCTASES: 318, 995, 1302, 1513, 2552, 2584, 2940, 3565, 3925
NADP: 187, 1152, 1271, 1276, 1302, 1648, 2114, 2151, 2227, 2447, 2530, 2540, 2614, 2947, 3135, 3908, 4128, 4187
NAFOXIDINE: 3247
NAILS: 2562
NAILS, MALFORMED: 1, 4088
NALORPHINE: 29
NALOXONE: 1595
NANDROLONE: 128, 259, 464, 685, 710, 1012, 1447, 3298, 3308, 4070, 4231
NAPHTHALENES: 803, 1012, 1797, 3926, 4267
NAPHTHOLS: 3548
NARCOTICS: 2465
NASAL MUCOSA: 97
NASAL POLYPS: 1862, 3687
NASAL SEPTUM: 1526
NASOPHARYNGEAL NEOPLASMS: 2148, 2189, 4080
NASOPHARYNX: 2328
NATRIURESIS: 86, 411, 716, 988, 1094, 1230, 1388, 1487, 1980, 1999, 2063, 2109, 2255, 2443, 2461-2462, 2643, 3068, 3453, 3535, 3596, 3680, 3903, 4251
NAUSEA: 935, 1306, 1632, 1694, 4200
NECK: 221, 412, 928, 1812, 2180, 3197, 3214
NECK NEOPLASMS: 835, 2083, 2594, 3403, 3626, 3688
NECROSIS: 165, 204, 579, 608, 854, 1342, 1383, 1483, 1897, 2057, 2082, 2140, 2465, 2630, 2786, 2880, 2939, 3187, 3415, 3721, 3808, 3813-3814, 3844, 4087
NEEDLES: 2434
NEGROES: 1092, 1154
NEGROID RACE: 418, 1041, 2909, 3178
NEMATODA: 806, 2728, 4055
NEODYMIUM: 2173
NEOMYCIN: 2915, 2928, 3561, 3622
NEOPLASM CIRCULATING CELLS: 2836, 2962, 3771
NEOPLASM METASTASIS: 2, 47, 146, 158, 184, 266, 305, 328, 343, 359, 373, 437, 455, 503, 538, 693, 699, 716, 754, 834, 842, 879, 956, 959, 1105, 1171, 1215, 1283, 1314, 1320, 1367, 1378, 1382, 1386, 1393, 1608, 1631, 1865, 1904, 1958, 1984, 2130, 2140, 2168, 2195, 2248-2249, 2380, 2429, 2457, 2465, 2512, 2590, 2594, 2596, 2727, 2827, 2836, 2850, 2863, 2950, 2962, 3163, 3166, 3215, 3242, 3246, 3270, 3299, 3347, 3359, 3420, 3444, 3553, 3558, 3598, 3602, 3616, 3627, 3684, 3688, 3713, 3725, 3771, 3776, 3983, 3991, 4026, 4099, 4102
NEOPLASM PROTEINS: 643, 1322
NEOPLASM RECURRENCE, LOCAL: 176, 561, 725, 1100, 2083, 2141, 2693, 3163, 3616, 3918, 3944
NEOPLASM REGRESSION, SPONTANEOUS: 159, 343, 642-643, 775, 3944
NEOPLASM SEEDING: 1147, 3771
NEOPLASM TRANSPLANTATION: 187, 292, 357, 642-643, 666, 746, 832, 845, 1283, 1576, 1704, 1716, 1924, 2026, 2448, 2493, 2681, 2723, 3126, 3237, 3482, 3771, 3821, 3944-3945, 4021, 4168
NEOPLASMS: 47, 50, 154, 193, 638, 701, 768, 801, 897, 1317, 1515, 1606, 1625, 1776, 1875, 1890, 1955, 2001, 2023, 2280, 2354, 2465, 2632, 2686, 2863, 2902, 2905, 3021, 3075, 3126, 3130, 3299, 3617, 3778, 3931, 4263, 4292
NEOPLASMS, EMBRYONAL AND MIXED: 1147, 3856
NEOPLASMS, EXPERIMENTAL: 36, 329, 603, 746, 832, 845, 1283, 1966, 2051, 2388, 2448, 2515, 2697, 2723, 2949, 3042, 3126, 3139, 3163, 3179, 3237, 3270, 3290, 3371, 3617, 3740, 3771, 3848, 3919, 4033, 4121, 4168
NEOPLASMS, MULTIPLE PRIMARY: 1076, 1772, 2036, 2229, 2629, 2951, 3050, 3727, 4168
NEOPLASMS, MUSCLE TISSUE: 3290
NEOPLASMS, NERVOUS TISSUE: 3290, 3444
NEOPLASMS, RADIATION-INDUCED: 837, 1960, 2021, 3189, 3218, 4033
NEOPLASMS, VASCULAR TISSUE: 693, 1891
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 684, 1171, 2171, 2453, 2514, 2692, 2859, 3159, 3299, 3897
NEOSTIGMINE: 116, 479, 1697, 2102, 2362, 2430, 2848, 2924, 3585
NEPAL: 277, 843, 1567, 1690
NEPHRECTOMY: 156, 230, 373, 422, 627, 738, 892, 1140, 1143, 1218, 1344, 1426, 1609, 2105, 2255, 2590, 3259, 3406, 4202, 4204, 4295
NEPHRITIS: 150, 415, 579, 738, 1439, 2610, 4098
NEPHROBLASTOMA: 2001, 3778
NEPHROCALCINOSIS: 510, 1717, 3686
NEPHRONS: 52, 4022
NEPHROSCLEROSIS: 2846
NEPHROSIS: 1200, 2988
NEPHROTIC SYNDROME: 208, 654, 1980, 2301, 2610, 2846, 2976, 3557, 4142, 4235
NERVE COMPRESSION SYNDROMES: 895, 1776
NERVE DEGENERATION: 1287, 1529, 1832, 2221, 2570, 2790, 3269, 3514, 4152
NERVE ENDINGS: 116, 212, 256, 286, 298, 809, 1125, 1617, 1656, 2215, 2897, 2919, 3550, 4152
NERVE FIBERS, MYELINATED: 1491, 4152
NERVE GROWTH FACTOR: 1422, 1549, 2116, 3396, 3835, 3954, 4082
NERVE REGENERATION: 671, 821, 1070, 1115, 1422, 2790, 3128, 3180
NERVE TISSUE: 883, 1125, 1850, 3433
NERVE TISSUE PROTEINS: 177, 179, 301, 472, 671, 958, 1624, 2257, 2286, 3396, 3515, 3763, 4014
NERVOUS SYSTEM: 61, 107, 565, 843, 2241, 2849, 3176, 3449, 3571, 4077
NERVOUS SYSTEM DISEASES: 263, 1890, 2955, 3441
NESTING BEHAVIOR: 206, 628-629, 1391, 2542, 3943, 3996, 4043, 4166
NETHERLANDS: 128
NEURAL CONDUCTION: 232, 875, 971, 1070, 1451, 2872, 3571, 3637, 4071
NEURAL INTERCONNECTIONS: 179, 304, 349, 622, 992, 1059, 1357, 1422, 1451, 1480, 1529, 1546, 1655, 1682, 1819, 1916, 1933, 2015, 2158, 2221, 2569-2570, 2816-2817, 2979, 3019, 3047, 3129, 3433, 3467, 3758, 4213
NEURAL TRANSMISSION: 46, 116, 179, 232, 301, 346, 378, 531, 571, 676, 916, 1060, 1121, 1357, 1451, 1480, 1549, 1605, 1656, 1803, 1916, 2257, 2498, 2565, 2712, 2816, 2849, 2924, 3176, 3433, 3571, 3758
NEURALGIA: 2917, 2943, 3120
NEURAMINIC ACIDS: 713, 923, 1213, 1449, 1574, 1930, 1967, 2216, 2531, 2854, 3241
NEURAMINIDASE: 1449, 1967, 3169
NEURASTHENIA: 1569, 2172
NEURILEMMOMA: 33, 406, 1658, 1891, 1955, 2189, 2444, 3180, 3782
NEURITIS: 3006
NEUROBLASTOMA: 359, 663, 1417, 1720, 1890, 2429, 3396, 3778
NEUROCHEMISTRY: 3961, 4012
NEURODERMATITIS: 802, 1365
NEUROEFFECTOR JUNCTION: 906
NEUROFIBRILS: 737
NEUROFIBROMA: 1955, 2485, 3811
NEUROGLIA: 1070, 1115, 2014, 2298, 2495, 3653, 4014, 4152
NEUROHUMORS: 223, 280, 618-619, 1405, 2077, 2362, 2482, 2660, 2677, 2698, 2901, 3449, 3961, 4036
NEUROLEPTOANALGESIA: 2458, 2924
NEUROLOGIC EXAMINATION: 496, 2753, 3955
NEUROLOGIC MANIFESTATIONS: 4 1983, 2073, 2290, 2818-2819, 2910, 3 3660, 3900, 3955, 3993, 4138
NEUROMA: 693, 3627, 4035
NEUROMUSCULAR DEPOLARIZING 552, 952, 1018, 2430-2431, 2545, 4037
NEUROMUSCULAR DISEASES: 1567, 3012-3013
NEUROMUSCULAR JUNCTION: 1654, 2924
NEURONS: 35, 143, 177, 283, 298, 3 584, 589, 821, 860, 949, 971, 1133, 1 1443, 1451, 1489, 1564, 1617, 1779, 1 1916, 1945, 1972, 2495, 2581, 2712, 2 2849, 3148, 3209, 3244, 3251, 3396, 3 3637, 3702, 3758, 3873, 3954, 4014, 4152
NEURONS, AFFERENT: 46, 507, 584 1214, 1381, 1972, 2015, 2019, 2221, 3770
NEURONS, EFFERENT: 46, 85, 1070 1480, 4203
NEUROPHYSINS: 170, 389, 1137, 136 2202-2203, 3468, 4022
NEUROSECRETION: 46, 194, 618-619 2019, 2077, 2437, 2482, 2581, 2901, 3449
NEUROSECRETORY SYSTEMS: 283, 618, 1060, 1489, 2644, 2901, 3128, 3653, 4126
NEUROSES: 1162, 1434
NEUROSES, ANXIETY: 461, 1373, 2
NEUROSPORA: 1104, 2186, 3802
NEUROSPORA CRASSA: 1104, 3802
NEUROSURGERY: 1606, 2742
NEUTRALIZATION TESTS: 548, 776 1907
NEUTRONS: 373
NEUTROPHILS: 113, 404, 579, 1663, 2820, 2877, 4098
NEVUS, PIGMENTED: 1237
NEW GUINEA: 843, 1563, 1567, 233
NEW HAMPSHIRE: 1074
NEW ZEALAND: 3055
NEWSPAPERS: 3742
NIALAMIDE: 916, 2660
NICKEL: 2119
NICOTINAMIDE: 1280, 2078, 2114
NICOTINAMIDE MONONUCLEOTID
NICOTINE: 344, 522, 525, 610, 1563, 2202, 2362, 4085, 4120
NICOTINIC ACID: 300, 686, 1860, 2915, 4065, 4072
NICTITATING MEMBRANE: 2431,
NIDATION: 153, 217, 314, 1003, 111 1419, 1614, 1619, 1943, 2114, 2120, 2898, 2907, 2999, 3051, 3149, 3601, 4291
NIGERIA: 34, 998, 1041, 2827-2828,
NIRIDAZOLE: 1046-1047
NITRATE REDUCTASES: 2940
NITRATES: 2635, 3217, 3570, 3925
NITRAZEPAM: 2895
NITRILES: 505, 3759
NITRILOTRIACETIC ACID: 2538,
NITRITES: 3307
NITRO COMPOUNDS: 197, 726, 130 3116
NITROBENZENES: 1908, 2619, 3419 3676-3677
NITROGEN: 123, 188, 440, 659, 100 2178, 2454, 2525, 2981, 3220, 3569, 4103
NITROGEN MUSTARD COMPOUN 2341
NITROPHENOLS: 149
NITROSAMINES: 1698, 1955, 2388
NITROSOUREA COMPOUNDS: 133 2697, 3067, 4206
NITROUS OXIDE: 1743, 2472
NOISE: 4213
NOMENCLATURE: 214, 1048, 1317,
NOREPINEPHRINE: 35, 85, 178-17 223, 230, 239, 255, 283, 286, 330, 525, 531, 571-572, 591, 676, 681, 906, 917, 919, 993, 1023-1024, 107 1187, 1219, 1222, 1243, 1368-1369, 1556, 1559, 1588, 1621, 1631, 1644

LIBRARY U. OF L. URBANA-CHAMPAIGN

...30, 1755, 1774, 1793, 1832, 1840,
...90, 1895, 1897, 1969, 2012, 2039,
...07, 2116, 2166, 2178, 2199, 2215,
...79, 3420-3421, 3432, 3436, 3449,
...69-3470, 3472, 2510, 2546, 2667,
...11, 2735, 2772-2773, 2790, 2858,
...97, 3017, 3020, 3038, 3108, 3134,
...98, 3204, 3207, 3227-3228, 3244,
...53, 3432, 3456, 3460, 3491, 3550,
...67, 3669, 3734, 3795, 3849, 3880,
...72, 4012, 4036-4037, 4136, 4146,
...12, 4215
...OLONE: 1007, 1543
...NE: 262, 1038, 1213, 1228, 1976,
...60, 4197
...REL: 1879, 2687, 3308
...457-458, 1204, 1228, 1440, 2805,
...74, 3580, 3647, 4230
...ERINE: 1890, 2469, 3017, 3153
...695, 2749, 3510
...
...34, 1615, 2637
...ITIES: 3312
...ES: 855
...GNETIC RESONANCE: 356, 578,
..., 1164, 1728, 2186, 2614, 3625, 4153
...) CONFORMATION: 1659, 1728,
...
...) DENATURATION: 1728, 2985,
...98
...) HYBRIDIZATION: 1037, 1201,
...35, 4132
...) RENATURATION: 3437
...OS: 701, 1568
...KINS: 70, 1900, 3085, 3763
...ES: 2184
...637, 1728, 2353, 3446
...ES: 1335, 3249, 3320, 3833, 4122
... 220, 239, 637, 729, 1742, 2226,
...05, 3249, 3350, 3437, 3446, 3731
...TRANSFERASES: 21, 3674
...NT RELATIONS: 611
...E: 3781
...
...23, 177, 411, 1103, 1968, 3971, 4239,
...
...ISORDERS: 177, 905, 1006, 1261,
...943, 2536, 2802, 2910, 3029, 3577,
...781
...URVEYS: 1998
... REQUIREMENTS: 82, 777, 1711,
...126, 4103
...
...563
... 281, 304, 411, 440, 947, 951,
... 1230, 1307, 1424, 1582, 1604, 1709,
...938, 2161, 2202, 2224, 2242, 2361,
...96, 2823, 2892, 2909, 2970, 2988,
...008, 3971, 4015, 4268, 4279
...DIABETES: 1289
...728
...OBE: 107, 1682, 2067
...RESSINGS: 3101, 3178, 3628, 3874
...OD: 1817
...AL DISEASES: 43, 3427
...: 2742, 3033, 3974, 3992
...3, 3424
... MUSCLES: 876
... NERVE: 3129
... PARALYSIS: 1334, 1463, 2872,
...
...TS: 1473, 1491, 2152
...SIS: 2146, 3797
...Y: 71
...
...TOMUM: 934
...
...8, 1637, 2022, 3137
...138, 295, 512, 1254, 2225, 2585, 3619,
...
... 119, 1889, 2442, 4038
...BULB: 99, 196, 621, 649, 978, 1529,
...857, 3484, 3943
...MUCOSA: 849
...PATHWAYS: 1529
... 1513, 3928, 4125
...OTIDES: 1577
...ES: 506, 702, 1130, 1598, 1892,
...91-4191
...7, 698, 1215, 3182

ONCOGENIC VIRUSES: 2023, 2108, 2755, 3271, 3879, 3944
ONIUM COMPOUNDS: 1181
OOPHORITIS: 986
OPERON: 105, 703, 3303, 3366
OPHTHALMIA, SYMPATHETIC: 1154
OPHTHALMIC ARTERY: 1658, 2695, 3001
OPHTHALMIC SOLUTIONS: 2225
OPHTHALMODYNAMOMETRY: 2189
OPHTHALMOSCOPY: 614, 1161, 3005, 3413
OPIUM: 3917
OPTIC ATROPHY: 1584, 1763, 2819
OPTIC CHIASM: 143, 465, 1086, 1658, 2189, 2852
OPTIC LOBE: 4182
OPTIC NERVE: 688, 1086, 1287, 1470, 1658, 1974, 2189
OPTIC NEURITIS: 876, 1161, 1470, 1486, 3717, 3993
OPTICAL ROTATION: 1164, 2329
OPTICAL ROTATORY DISPERSION: 83, 1280
ORAL MANIFESTATIONS: 1207, 2146, 3381
ORBIT: 33, 316, 450, 688, 749, 876, 1085, 1349, 1463, 1658, 1769, 2350, 2637, 3001, 3087, 3104, 3595, 3604, 3782, 4016
ORBITAL NEOPLASMS: 33, 689, 1349, 1584, 1658, 2350, 3001, 3104, 3782, 4198
ORCHITIS: 854, 1696, 3032
ORCIPRENALINE: 3911
OREGON: 1436
ORGAN CULTURE: 260, 283, 362, 400, 623, 948, 1107, 1187, 1356, 1461-1462, 2369, 2746, 3045, 3412, 3825, 3864, 4093
ORGAN OF CORTI: 720, 869, 1693, 2007
ORGAN SPECIFICITY: 456, 472, 977, 1274, 1452, 1648, 1742, 1977, 2103, 2170, 2232, 2377, 3126, 3522, 3549, 3587, 3637, 3683, 3740, 3763, 3861, 3959, 4061
ORGAN WEIGHT: 15, 30, 52, 95, 113, 124, 183, 188, 190, 204, 260, 368, 449, 468-469, 509, 536, 629, 647, 660-661, 665, 696, 710, 787, 791, 797, 832, 902, 905, 908, 915, 933, 943, 989, 991, 998, 1005, 1017, 1071, 1118, 1223, 1238, 1286, 1297, 1311, 1352, 1363, 1368, 1602, 1639, 1660, 1673, 1675, 1749, 1770, 1828, 1910, 1927, 1966, 2049, 2065, 2224, 2233, 2259, 2323, 2339, 2344, 2355, 2359, 2388, 2418, 2449, 2460, 2478, 2497, 2609, 2636, 2647, 2660, 2690, 2710, 2747, 2778, 2808, 2815, 2840, 2857, 2882, 2930, 2936, 2973-2974, 2979, 3022, 3036, 3066, 3143, 3165, 3168, 3203, 3213, 3391, 3407-3408, 3434, 3466, 3470, 3502, 3544, 3546, 3560, 3568-3569, 3576-3577, 3608, 3638, 3641, 3719, 3760, 3835, 3962, 3964, 4033, 4065, 4128-4129, 4168, 4186, 4209, 4253, 4255
ORGANOIDS: 1617, 2880, 3415, 4008
ORGANOMETALLIC COMPOUNDS: 478, 3409
ORGANOPHOSPHORUS COMPOUNDS: 187, 1155, 1773, 3636, 3977
ORGASM: 1613
ORIENTATION: 198, 4170
ORNITHINE: 2139, 2867
OROTIC ACID: 14, 108, 2584, 3884
ORTHOPEDIC FIXATION DEVICES: 1620
ORTHOPEDICS: 3127
OSCILLOMETRY: 2045, 3521
OSMIUM: 558, 2644
OSMOLAR CONCENTRATION: 23, 64-65, 86, 253, 288, 403, 572, 597, 633, 651, 745, 778, 1015, 1104, 1383, 1487, 1505, 1510, 1648, 1734, 1799, 1811, 1980, 2070, 2238, 2258, 2508, 2750, 2802, 3068, 3134, 3263, 3534, 3661-3662, 3735, 3751, 4049, 4077
OSMOSIS: 288, 4022
OSMOTIC FRAGILITY: 1111, 2159, 2426
OSMOTIC PRESSURE: 3793
OSSIFICATION, PATHOLOGIC: 3649, 3782
OSSIFICATION, PHYSIOLOGIC: 1949, 3458, 3547
OSTEITIS: 3840, 4188, 4211
OSTEITIS DEFORMANS: 1150, 1209, 1816, 1833, 3157, 3499, 3761
OSTEITIS FIBROSA CYSTICA: 549, 929, 1707, 2878, 3084
OSTEOARTHRITIS: 1558, 2653, 2679, 3296, 3499, 3649
OSTEOBLASTS: 266, 1337, 1414, 3157
OSTEOCHONDRITIS: 2149, 3069, 3545, 3685
OSTEOCLASTS: 244, 266, 1143, 1414, 1473, 1651, 2394, 3041, 3157, 3417, 3788, 3794
OSTEOCYTES: 244, 1414, 2314, 3157, 3675
OSTEOGENESIS: 1337, 1872, 2371, 3826
OSTEOGENESIS IMPERFECTA: 398, 667, 975, 1006, 1150, 1787, 2066, 2335, 3187, 3355, 3649
OSTEOLYSIS, ESSENTIAL: 2953
OSTEOMA: 2229, 2354, 3727
OSTEOMALACIA: 302, 549, 670, 1006, 1597, 1707, 2229, 2309, 2366, 2602, 2653, 2951, 3041, 3050, 3069, 3086, 3318, 3500, 3685, 3727, 3952, 4123, 4164, 4188
OSTEOMYELITIS: 1047, 2718, 3499
OSTEOPETROSIS: 171, 767, 1150, 1401, 1611, 2335, 3417, 4034
OSTEOPOIKILOSIS: 767
OSTEOPOROSIS: 41, 267, 392, 696, 767, 773, 954, 1006, 1053, 1385, 1414, 1585, 1707, 1775, 1780, 1947, 2194, 2335, 2366, 2494, 2602, 2655, 2678, 2685, 2718, 2764, 2914, 2990, 3157, 3225, 3318, 3340, 3431, 3507, 3615, 3620, 3649, 3658, 3761, 3989, 4123, 4185, 4188, 4260
OSTEOSCLEROSIS: 398, 1707, 3499, 3649
OSTEOTOMY: 323, 2066, 2653, 3069, 3545, 3706
OTITIS: 2601
OTORHINOLARYNGOLOGIC DISEASES: 499, 1433, 1606, 2601
OTOSCLEROSIS: 3507
OUABAIN: 9, 182, 225, 227, 287, 421, 582, 849, 916, 999, 1408, 1426, 1556, 2733, 2744, 3022, 3677
OVALBUMIN: 2193, 3325, 3662
OVARIAN CYSTS: 326, 1784, 3421, 3600, 3634, 3768
OVARIAN DISEASES: 601, 677, 1961, 2118, 2127, 2241, 2948, 3471, 4151, 4254
OVARIAN NEOPLASMS: 2, 26, 50, 158, 598, 666, 866, 1025, 1076, 1149, 1215, 1247, 1382, 1421, 1496, 1608, 1716, 1753, 1835, 1952, 2036, 2262, 2290, 2345, 2485, 2600, 2625, 2629, 2674, 2692, 2760, 2810, 2862, 3039, 3447, 3539, 3598, 3634, 3778, 3836, 3873, 3918, 3923, 4039, 4080, 4107, 4207, 4214
OVARY: 12, 14-15, 40, 42, 95, 130, 153, 161, 166, 168-169, 224, 247, 250, 351, 365, 429, 456, 467, 487, 535, 551, 598, 601, 628-629, 640, 660, 677, 694, 713, 731, 746, 757, 798-799, 827, 840, 898, 907, 915, 955, 986, 1032, 1055, 1083, 1100, 1130, 1146, 1164, 1172, 1191, 1226, 1257, 1286, 1309-1311, 1360, 1378, 1494, 1496, 1512, 1593, 1602, 1659, 1708, 1724, 1752, 1778, 1822, 1828, 1878, 1909, 1914, 1937, 1943, 1962, 1992, 1995, 2027, 2118, 2139, 2163, 2174-2175, 2223, 2227, 2256, 2270, 2318, 2324, 2344, 2355, 2361, 2390, 2402, 2408, 2433, 2440, 2456, 2497, 2518, 2557-2558, 2636, 2647, 2659-2660, 2664, 2690, 2692, 2707, 2710, 2723-2725, 2746, 2751, 2800, 2840, 2860, 2876, 2882, 2890, 2926, 2948-2949, 2963, 2974, 2987, 3049, 3066, 3082, 3085, 3114, 3135, 3184, 3203, 3208, 3213, 3277, 3288, 3309, 3339, 3365, 3367, 3391, 3408, 3428, 3437, 3439-3440, 3480, 3487, 3495, 3520, 3528, 3548, 3665, 3668, 3673, 3710, 3752, 3764, 3786-3787, 3798, 3871, 3873, 3882, 3943, 4002, 4028, 4039, 4041, 4043, 4053, 4059, 4083-4084, 4147, 4149, 4166, 4180, 4182, 4189, 4191, 4193, 4207, 4214, 4254, 4265
OVIDUCTS: 15, 551, 629, 1484, 2344, 2408, 2497, 2866, 3339, 4209
OVULATION: 53, 60, 217, 284, 314, 505, 551, 660, 677, 715, 771, 782, 795, 864, 877, 898, 950, 973, 1001, 1003, 1084, 1095, 1113, 1146, 1153, 1168, 1170, 1193, 1236, 1291-1293, 1314, 1360, 1371, 1374, 1381, 1413, 1419, 1484, 1623, 1637, 1708, 1752, 1764, 1778, 1838, 1906, 1921, 1943, 2033, 2037, 2043, 2129, 2155, 2265, 2312, 2423, 2440, 2647, 2659, 2670, 2707, 2709, 2746, 2793, 2882, 2898, 2969, 2977, 3129, 3146, 3204, 3210, 3260-3261, 3324, 3339, 3357, 3392, 3436, 3478, 3512, 3523, 3597, 3632, 3644, 3647, 3775, 3837, 3882, 3901, 3943, 3962, 4019, 4109, 4228, 4237, 4254
OVUM: 11, 153, 197, 282, 377, 740, 1003, 1153, 1197, 1356, 1398, 1484-1485, 1614, 1752, 1909, 2114, 2527, 2670, 2746, 2798, 2875, 3093, 3141, 3171, 3339, 3621, 3632, 3786, 4028, 4176
OXADIAZINES: 2869
OXALATES: 3026, 3735
OXAZOLES: 37, 188, 3456, 3470, 3738
OXEDRINE: 1022
OXIDATION-REDUCTION: 387, 447, 474, 540, 726, 788, 828, 901, 1031, 1152, 1249, 1276, 1417, 1647, 1689, 1773, 1868, 1881, 1931, 2187, 2246, 2447, 2535, 2540, 2908, 2997, 3083, 3182, 3256, 3540, 3582, 3643, 3661, 3908

OXIDATIVE PHOSPHORYLATION: 345, 626, 1280, 1742, 1796, 3461, 3633, 3890, 3926, 4092
OXIDES: 828, 3377
OXIDOREDUCTASES: 18, 144, 363, 577, 683, 996, 1164, 1268, 1271, 1302, 1335, 1513, 1648, 1689, 1876, 1995, 2153, 2245, 2447, 2622, 2767, 3424, 3439-3440, 3789, 3925
OXIDOREDUCTASES, N-DEMETHYLATING: 3274-3275
OXIMES: 1325, 2545, 2849, 3282, 3308, 4175
OXIMETRY: 2289
OXPRENOLOL: 2172, 3899
OXYGEN: 18, 168, 260, 373, 872, 913, 935, 1268, 1302, 1367, 1514, 1521, 1540, 1560, 1722, 2178, 2289, 2472, 2908, 2924, 3256, 3296, 3383, 3439, 3698, 3830, 3908, 3917, 3977, 4011
OXYGEN CONSUMPTION: 168, 187, 214, 287, 440, 562, 582, 626, 665, 669, 809, 863, 894, 1022, 1220-1221, 1280, 1356, 1474, 1476, 1556, 1621, 1689, 1742, 1796, 1868, 1897, 2030, 2166, 2200, 2210, 2327-2328, 2400-2401, 2420, 2578-2579, 2826, 2894, 2899, 2923, 3036, 3117, 3256, 3280, 3393, 3439-3440, 3461, 3525, 3609, 3890, 3961, 4000, 4011
OXYGEN INHALATION THERAPY: 599, 872, 1540, 2481, 4138
OXYGEN ISOTOPES: 1268, 4017
OXYGENASES: 587
OXYMETAZOLINE: 3669
OXYMETHOLONE: 2543
OXYPHENBUTAZONE: 164, 324, 3909
OXYTETRACYCLINE: 2135, 2372, 3307, 3622
OXYTOCIN: 251, 344, 354, 395, 552, 558, 691, 759, 863, 1113, 1137, 1361, 1607, 1694, 1701, 2226, 2268-2269, 2312, 2626, 2644, 2803, 3128, 3390, 3422, 3582, 4022, 4030-4031
OZONE: 786, 901
PACEMAKER, ARTIFICIAL: 90, 4262
PAIN: 446, 593, 895, 1088, 1463, 1536, 1585, 1870, 1916, 1947, 2121, 2465, 2469, 2610, 2628, 2914, 2917, 3199, 3889, 4164, 4213
PAKISTAN: 3086
PALATE: 3067
PALLIATIVE TREATMENT: 1670, 2862, 3359, 3558
PALMITIC ACID: 665, 1234, 1269, 1976, 3461
PALPATION: 1075, 3219
PANCREAS: 36, 560, 651, 815, 863, 1033, 1056, 1285, 1299, 1571, 1577, 1730, 1766, 1809, 1923, 1973, 2024, 2145, 2197, 2206, 2277, 2321, 2410, 2422, 2499, 3295, 3440, 3676, 3696, 4002, 4044, 4156, 4265
PANCREATECTOMY: 1766, 3692
PANCREATIC CYST: 3511
PANCREATIC DISEASES: 1383, 2697, 2802
PANCREATIC DUCTS: 1299, 3814
PANCREATIC JUICE: 1730
PANCREATIC NEOPLASMS: 716, 866, 1320, 2249, 2354, 2686, 3166, 3771, 3989
PANCREATIN: 2003
PANCREATITIS: 49, 805, 1771, 3032, 3813-3814
PANCREATOPEPTIDASE: 72
PANCREOZYMIN: 382, 651, 1898-1899, 2422
PANCURONIUM: 479, 498, 1362, 1521, 1679, 1939, 2565, 2924, 4272
PANNICULITIS, NODULAR NONSUPPURATIVE: 3989
PANTOTHENIC ACID: 1795
PAPAIN: 692, 1555, 3003
PAPAVERINE: 669, 1456, 1510, 1605, 2106, 2534, 2869, 3230, 3772, 3850
PAPILLARY MUSCLES: 1783, 3461, 3875
PAPILLEDEMA: 749, 876, 1815, 3559
PAPILLOMA: 1215, 3290
PARABIOSIS: 4034, 4079
PARAGANGLIOMA: 176, 1430
PARAGANGLIOMA, NONCHROMAFFIN: 2168
PARALYSIS: 216, 1334, 1771, 2718, 2902, 3759-3760, 3844, 4065
PARAMYXOVIRUSES: 2520
PARANASAL SINUS NEOPLASMS: 2148, 2393, 3001
PARAPLEGIA: 1422, 2719, 2819
PARAPSORIASIS: 1860
PARAQUAT: 1824
PARASITE EGG COUNT: 1047, 1665, 1925
PARASITIC DISEASES: 1718, 1760
PARASYMPATHETIC NERVOUS SYSTEM: 46, 941, 1370, 1457, 1847, 2015, 2058, 2849, 3269, 3550
PARASYMPATHOLYTICS: 29, 525, 1018, 1381, 1407, 1699, 2067, 2081, 3079
PARASYMPATHOMIMETICS: 1325, 1695, 2077, 2735
PARATHION: 426, 2503
PARATHYROID DISEASES: 928, 1047, 1896, 2902, 3032, 3202, 4223
PARATHYROID GLANDS: 199, 443, 696, 760, 863, 1065, 1185, 1187, 1348, 1476, 1495, 1741, 1834, 1896, 1910, 1999, 2024, 2656, 3052, 3084, 3088, 3202, 3204, 3537, 3648, 3711, 3747, 3761, 3794, 3816, 3842, 3929, 4090, 4289, 4295
PARATHYROID HORMONE: 68, 109, 171, 191, 310, 443, 491, 719, 736, 754, 852, 970, 1039, 1068, 1097, 1149, 1171, 1185, 1187, 1270, 1313, 1347, 1431, 1495, 1604, 1628, 1662, 1735, 1816, 1875, 1980, 2126, 2171, 2206, 2416, 2421, 2461-2462, 2655, 2696, 2878, 2881, 2952, 3072, 3075, 3096, 3156, 3202, 3272, 3281, 3361, 3397, 3463, 3537, 3648, 3705, 3744, 3761-3762, 4050, 4090, 4124, 4184, 4295, 4299
PARATHYROID NEOPLASMS: 133, 336, 427, 510-511, 719, 805, 928-929, 956, 1065, 1132, 1270, 1538, 1669, 1735, 2126, 2230, 2235, 2347, 2393, 2416, 2615, 2693, 2696, 2878, 3025, 3084, 3202, 3355, 3373, 3723, 3807, 3816, 4124, 4159, 4289
PARENTERAL FEEDING: 1057, 1265
PARESTHESIA: 593, 2054, 3252
PARGYLINE: 20, 283, 839, 1644, 3017
PARIETAL BONE: 1524, 1872, 4009
PARIETAL LOBE: 2067
PARIS: 418
PARITY: 34, 123, 155, 339, 446, 1391, 1458, 1694, 2079, 2137, 2542, 2821, 3869, 3974, 3992, 4107, 4200
PARKINSONISM: 200, 571, 1411, 2685, 2967, 3224, 3233, 3514, 3737
PARKINSONISM, SYMPTOMATIC: 571
PARONYCHIA: 1821
PAROTID GLAND: 798, 1425, 2145, 3399, 3831
PAROTID NEOPLASMS: 3180
PAROTIN: 2091-2094
PARTHENOGENESIS: 2857
PARTIAL PRESSURE: 182, 1540, 2839, 3256, 3296, 3383, 3917
PARTICLE SIZE: 17
PASSIVE TRANSFER: 407, 1415, 1862, 3278
PATERNITY: 1581
PEDIGREE: 364, 381, 452, 699, 721, 1136, 1179, 1402, 1580, 1735, 1836, 1985, 1983, 2392, 2483, 3060, 3154, 3211, 3381, 3781, 3965, 3982, 4067, 4217, 4226
PELLAGRA: 2078
PELVIC BONES: 767, 1246, 1429, 1855, 2084, 3499, 3942
PELVIC NEOPLASMS: 3811
PELVIS: 3952
PEMOLINE COMPOUNDS: 3817
PEMPHIGUS: 319, 2358, 2576, 2976, 3347, 3620, 3980, 3998
PEMPIDINE: 1549
PENICILLAMINE: 3115, 4006, 4241
PENICILLIN: 96, 154, 269, 1057, 1305, 1542, 1824, 2088, 2383, 2401, 2481, 3125, 3561, 3993
PENICILLIN G: 2646
PENICILLIN G, PROCAINE: 3000, 4119
PENICILLIN RESISTANCE: 269
PENIS: 22, 468, 698, 1295, 1424, 2323, 4218
PENTAGASTRIN: 205, 1199, 1565, 3170, 4032
PENTAZOCINE: 1674
PENTOBARBITAL: 250, 917, 1245, 1374, 1712, 2177, 2269, 2657, 3422, 3597, 4202-4204
PENTOLINIUM TARTRATE: 2449, 3145
PENTOSEPHOSPHATES: 2327
PENTOSYLTRANSFERASES: 748
PENTYLENETETRAZOLE: 478
PEPSIN: 692, 1931, 2089, 2984, 3349
PEPTIC ULCER: 209, 884, 1495, 1854, 1883, 3084, 3851
PEPTIC ULCER HEMORRHAGE: 2058
PEPTIC ULCER PERFORATION: 2058
PEPTIDE CHAIN INITIATION: 2184
PEPTIDE CHAIN TERMINATION: 1991, 2251, 3239, 3390
PEPTIDE ELONGATION FACTORS: 3752
PEPTIDE HYDROLASES: 334, 337, 692, 1062, 1555, 1981, 2564, 2653, 2684, 2812, 4246
PEPTIDE PEPTIDOHYDROLASES: 1062, 2105
PEPTIDES: 23, 72, 179, 201, 279, 382, 472, 480, 517, 520, 664, 684, 713, 861, 878, 1031, 1040, 1044, 1148, 1151, 1241, 1452, 1544, 1723, 1892, 1906, 1931, 1991, 2251, 2276, 2304, 2559, 3027, 3059, 3072, 3348-3349, 3367, 3390, 3752, 3780, 4047, 4109, 4136, 4267
PEPTIDES, CYCLIC: 506
PEPTOSTREPTOCOCCUS: 3780
PERCEPTION: 1885
PERCEPTUAL DISORDERS: 1940
PERCHLORIC ACIDS: 69, 1638, 2130
PERFUSION: 119, 227, 327, 393, 471, 999, 1032, 1073, 1117, 1157, 1234, 1508, 1640, 1721, 1773, 1895, 1973, 2299, 2377, 2489, 2567, 2662, 2783, 3062, 3306, 3472, 3491, 3567, 3669, 4062, 4120, 4156
PERIAPICAL ABSCESS: 4211
PERIAPICAL TISSUE: 781
PERIARTERITIS NODOSA: 709, 89
PERIARTHRITIS: 106, 2679, 2917,
PERICARDITIS: 150, 2059, 3585
PERIODIC ACIDS: 474, 788, 1631
PERIODICITY: 56, 183, 250, 640, 6
1060, 1259, 2024, 2305, 2541, 2858, 3801, 3943
PERIODONTAL CYST: 4039
PERIODONTAL DISEASES: 1385,
PERIODONTAL INDEX: 4185
PERIODONTAL LIGAMENT: 2243
PERIODONTITIS: 781, 2243, 2851,
PERIODONTIUM: 2243
PERIOSTEUM: 3076, 4157
PERIOSTITIS: 392
PERIPHERAL NERVE DISEASES: 3341
PERIPHERAL NERVE NEOPLASMS 1658, 3180, 3469
PERIPHERAL NERVES: 200, 671,
PERISSODACTYLA: 3325
PERITONEAL CAVITY: 17, 666,
PERITONEAL DIALYSIS: 1824, 41
PERITONEOSCOPY: 158, 677, 1217
PERITONEUM: 173, 1009, 1281
PERMEABILITY: 98, 149, 482, 579, 2934, 3731, 3786, 4111
PEROXIDASES: 98, 325, 587, 684,
1616, 1647-1648, 1684, 2095, 2468, 3169, 3190, 3256, 3311, 3565, 3592,
PEROXIDES: 831, 1469, 1646-1648
PERPHENAZINE: 3568
PERSONALITY: 820, 1079, 2775,
PERSONALITY ASSESSMENT: 30
PERSONALITY DEVELOPMENT:
PERSONALITY DISORDERS: 593,
PERSONALITY INVENTORY: 1923,
PERTUSSIS VACCINE: 1087, 3278
PERU: 3095, 3097
PEST CONTROL, BIOLOGICAL:
PESTICIDE RESIDUES: 2365, 3949
PESTICIDE SYNERGISTS: 1152
PETROLATUM: 4244
PETROLEUM: 43, 1630
PEUTZ-JEGHERS SYNDROME: 27
PEYER'S PATCHES: 1528
PHAGOCYTE BACTERICIDAL DY 2483, 2563, 3565
PHAGOCYTES: 4005
PHAGOCYTOSIS: 17, 280, 579, 70
1919, 2104, 2173, 2401, 2483, 2563, 3565, 4005, 4152, 4255, 4259
PHARMACEUTIC AIDS: 3061
PHARMACOPOEIAS: 463
PHARMACY AND THERAPEUTIC 4283
PHARYNGEAL DISEASES: 584,
PHARYNX: 136, 1834, 2346
PHENACETIN: 3496
PHENANTHRIDINES: 2371
PHENAZINES: 1249-1250, 2499,
PHENCYCLIDINE: 419, 2726
PHENELZINE: 1242, 1653
PHENETHANOLAMINE N-METHYLTRANSFERASE: 186,
PHENETHYLAMINES: 299, 312,
1654, 2311, 3153, 3336, 3607
PHENIPRAZINE: 1653
PHENIRAMINE: 3933
PHENOBARBITAL: 189, 917, 1099, 1767, 1876, 2309, 3274-3275, 3398, 3805, 3908

LIBRARY U. OF L. URBANA-CHAMPAIGN

...897, 1012, 1259, 1634, 1939, 2288,
...ES: 1139, 1173, 2121, 3629, 3897
...1, 337, 979, 1037, 1092, 1852, 1889,
...0, 2218, 2380, 2437, 2527, 2762,
...0, 3100, 3114, 3152, 3273, 3671,
...6
...AMINE: 324, 772, 1413, 2862, 3108,
...6, 4171
...E: 334, 990, 1399, 1571, 1893, 2145,
...8, 2677, 2892, 3173, 3237-3238,
...TES: 19, 364, 585, 1341, 1411,
...3, 3034, 3233, 3700, 4197
...NE: 364, 444, 1991, 2559, 2605,
...6, 3390, 3451, 3752
...NE HYDROXYLASE: 1793, 3864
...ONE: 164, 404, 486, 1861, 2654,
...9, 4216
...ATES: 3179
...E: 333, 1022, 1695, 1862,
..., 3611, 3772, 3850
...ZINE: 1101
...URIA: 299, 384, 2937, 3451
...YTOMA: 176, 317, 399, 435, 726,
...968, 1083, 1280, 1294, 1399, 1417,
...5, 1772, 1890, 1920, 2001, 2172,
...2, 2642, 2752, 3492, 3511, 3589,
...198, 1001, 4043
...997
...2964
..., 700, 1947
...Y: 412, 928, 1085, 1315, 1349,
...3, 3001, 3746, 4078
...40
...90, 4111-4112
...015
...6-2247
...: 214, 1851, 2093, 2303, 2552,
...2
...149, 205, 626, 665, 670, 920, 970,
...2, 1231, 1337, 1462, 1488, 1495,
...7, 1775, 1927, 1939, 1999, 2002,
...6, 2222, 2303-2304, 2331, 2363,
...-2540, 2602, 2651, 2829, 2931, 3626,
...3, 3066, 3088, 3156, 3280, 3328,
...8, 3566, 3732, 3735, 3868, 4181,
...TINE: 1222, 1530, 1897
...ERASES: 62, 83, 312, 345-346, 471,
...519, 641, 977, 1220-1221, 1308,
...8, 1802, 1826, 2009, 2106, 2147,
...1, 3170, 3230, 3249, 3316, 3497,
...4, 4131
...PYRUVATE: 1773
...TOKINASE: 2400
...OMUTASE: 337, 1946, 2898, 3440
...ONATE DEHYDROGENASE: 2308,
...ERATE KINASE: 337
...TIDES: 223-224, 497, 2145, 4001
...E: 156-157, 765, 3517, 3734-3735
...S: 104, 156-157, 223-224, 387, 497,
...80, 835, 1178, 1234, 1269, 1420,
...7, 2824, 2844, 2923, 3074, 3134,
...0, 3419, 3476, 3839, 4296
...ACIDS: 1502, 1910, 3328, 3417
...EINS: 296, 472, 2304, 3528, 3636
...ACIDS: 79, 223-224, 1679, 2146,
...82, 104, 244, 302, 422, 452, 491,
...849, 882, 929, 1000, 1039, 1050,
...0, 1324, 1541, 1713, 1875, 1910,
...0, 2345, 2393, 2411, 2416, 2421,
...4, 2853, 3026, 3318, 3328, 3500,
...7, 3779, 3799, 3805, 3890, 3901,
...7
...ISOTOPES: 64, 74, 223-224, 296,
...712, 849, 1044, 1131, 1280, 1333,
...3, 1534, 1577, 1677, 1951, 2103,
...3, 2452, 2504, 2540, 2578-2579,
...0, 3633, 3734, 3783, 3802, 3879,
...5, 4049
...METABOLISM DISORDERS: 3500
...SE KINASE: 1402, 1951, 3970
...SFERASES: 345, 746, 977, 1044,
...72, 1946, 2103, 2139, 2303, 2607,
...40, 3783, 3879, 4049
...LATION: 322, 1059-1060, 1945,
2446, 2497, 2712, 2848, 3047, 3204, 3532, 4145, 4252
PHOTOCHEMISTRY: 733, 803, 2138, 2528, 3702
PHOTOGRAPHY: 1573, 4149
PHOTOLYSIS: 447, 1573, 1881
PHOTOMETRY: 918, 1209, 1713, 2397, 3488, 3492, 3610, 3916
PHOTORECEPTORS: 692, 1501, 2841, 3203
PHOTOSENSITIZATION: 2415, 3628
PHOTOSYNTHESIS: 3963
PHTHALIC ACID: 3470
PHYCOMYCETES: 248, 4277
PHYSICAL EXAMINATION: 3273, 3765, 3995
PHYSICAL FITNESS: 1174, 1671
PHYSICAL STIMULATION: 625, 712, 2791, 2889, 3047, 3277, 3416
PHYSICAL THERAPY: 1407, 2066, 2330, 2490, 2653, 2943, 3127
PHYSIOLOGY, COMPARATIVE: 288, 2254, 3204, 3389, 3550
PHYSOSTIGMINE: 223, 2413, 2735, 2848
PHYTOSTEROLS: 1512
PICOLINIC ACIDS: 1570
PICROTOXIN: 478
PIERRE ROBIN SYNDROME: 3164
PIGEONS: 120, 585, 628-629, 885, 1908, 2420, 2498, 2636, 2806, 3473
PIGMENTATION: 226, 1821, 2288, 3113, 3126, 3203, 3874
PIGMENTATION DISORDERS: 1465, 2035, 4154
PIGMENTS: 1090, 2785, 3113, 3182, 3588
PILOCARPINE: 333, 1187, 1426, 2397, 3860
PILOT PROJECTS: 3878
PIMARICIN: 2585
PINEAL BODY: 163, 223, 581, 658, 692, 838, 863, 926, 1131, 1366, 1501, 1602, 2145, 2660, 2711, 2841, 2885, 2948, 2989, 3052, 3176, 3203-3204, 3269, 3336, 3784, 3804, 3837, 4008, 4145
PINEALOMA: 462, 1334, 1891, 2827, 2962, 3627, 3789
PINNIPEDIA: 1855
PINOCYTOSIS: 2193, 2263, 3483
PIPERAZINES: 135, 522, 1368, 3228, 3496
PIPERIDINES: 1915, 2430, 3161, 3316
PIPERONYL BUTOXIDE: 1152
PITUITARY-ADRENAL FUNCTION TESTS: 473, 534, 899, 986, 2435, 2754, 2765, 3250, 3697, 3707, 3938, 3975, 4257
PITUITARY-ADRENAL SYSTEM: 355, 496, 529, 735, 899, 991, 1290, 1312, 1381, 1542, 1562, 1615, 1839, 2064-2065, 2077, 2934, 2975, 3250, 3517, 3583, 3597, 3730, 3961, 4257
PITUITARY DISEASES: 473, 655, 1162, 1224, 1381, 1700, 1994, 2057, 2272, 2856, 2902, 2970, 3032, 3250, 3273, 3435, 3851, 3894, 4063, 4287
PITUITARY GLAND: 31-32, 40, 70, 125, 131, 143, 146, 151, 170, 186, 194, 224, 263, 331, 355, 365, 383, 400, 408, 445, 468-469, 508, 517, 528-529, 533, 551, 576, 578, 632-633, 639-640, 660, 683, 721, 735, 745, 764, 787, 804, 850, 856-857, 862-863, 881, 902, 925, 943, 946, 963-964, 991, 1003, 1005, 1014, 1026, 1036, 1043, 1059, 1066, 1071, 1083, 1110, 1119-1120, 1125, 1129, 1139, 1173, 1177, 1214, 1238, 1290, 1355, 1363, 1381, 1405, 1442, 1507, 1602, 1626, 1673, 1685, 1700, 1715, 1752, 1761, 1773, 1850, 1869, 1887, 1892, 1894, 1906, 1930, 1936, 1986-1987, 1991, 1995, 2011, 2019, 2024, 2029, 2047, 2057, 2065, 2119, 2136, 2140-2141, 2150, 2156-2157, 2169, 2181, 2201, 2240, 2248, 2256, 2260, 2270, 2293, 2307, 2325, 2346, 2371-2372, 2408, 2437, 2449, 2457, 2473, 2491, 2493, 2526, 2549-2551, 2592-2593, 2634, 2636, 2638-2640, 2671, 2688, 2690, 2710, 2723-2725, 2757, 2759, 2767, 2794, 2803, 2806, 2813, 2835, 2854, 2867-2868, 2876, 2882, 2884-2885, 2913, 2930, 2949, 2959, 2963, 2968, 2972, 2974, 2982, 2993, 3014, 3018, 3028-3029, 3036, 3066, 3080, 3129, 3133, 3165, 3192, 3210, 3217, 3230, 3239, 3302, 3320-3321, 3339, 3354, 3356, 3367, 3376, 3391-3392, 3405, 3410, 3412, 3414, 3427, 3517, 3524, 3530, 3546, 3568-3569, 3577, 3582, 3606, 3629, 3645-3646, 3653, 3655, 3699, 3707, 3756, 3760, 3824, 3826-3827, 3841, 3847, 3867, 3894, 3897, 3921, 3937, 3953, 3957, 3985, 4002, 4031, 4033, 4038, 4062, 4079, 4127, 4136, 4159, 4189, 4192, 4201, 4227, 4278
PITUITARY GLAND FUNCTION TESTS: 636, 655, 672, 1036, 1481, 1762, 1994, 2213, 2291, 2435, 2464, 2589, 2641, 3037, 3132, 3435, 3629, 3897, 3921, 4227
PITUITARY GLAND IRRADIATION: 133, 146, 1435, 2010, 3138, 3938
PITUITARY GLAND, POSTERIOR: 268, 558, 1361, 1442, 2644, 2750, 2880, 3073, 3128, 3148, 3329, 3376
PITUITARY HORMONE RELEASING FACTORS: 32, 355-356, 596, 640, 658, 756, 1108, 1119-1120, 1169, 1331, 1405, 1445, 1700, 1719, 1795-1796, 1892, 1894, 1921-1922, 1936-1937, 1942, 2119, 2256, 2297, 2437, 2526, 2587, 2592-2593, 2859-2860, 2677, 2751, 2864-2865, 2959, 3037, 3091, 3239, 3319, 3357, 3367, 3435, 3449, 3567, 3618, 3645-3646, 3827, 3905, 4079, 4109, 4191-4192, 4227, 4229
PITUITARY HORMONES: 194, 1036, 1445, 1607, 2087, 2473, 2952
PITUITARY HORMONES, ANTERIOR: 256, 881, 946, 1149, 2019, 2119, 2968
PITUITARY HORMONES, POSTERIOR: 943, 1263, 2644, 3389
PITUITARY NEOPLASMS: 44, 133, 163, 462, 473, 503, 538, 693, 756, 865, 902, 1108, 1129, 1224, 1406, 1438, 1762, 1891, 1955, 2017, 2141, 2181, 2202, 2434, 2441, 2457, 2464, 2596, 2641, 2645, 2671, 2686, 2695, 2827-2828, 2830, 2836, 2961, 3237, 3250, 3344, 3521, 3627, 3894, 3897, 3912, 3938, 3951, 4033, 4159, 4262, 4287
PITYRIASIS: 128, 2383
PLACEBOS: 13, 715, 766, 938, 1024, 1028, 1163, 1194, 1536, 1686, 2225, 2672, 3060, 3095, 3097, 3144, 3903, 4134-4135
PLACENTA: 88, 148, 192, 258, 372, 410, 428, 432, 441, 573, 585, 635, 675, 952, 989, 997, 1042, 1149, 1164, 1232, 1354, 1390, 1475, 1494, 1499, 1619, 1668, 1689, 1750, 1754, 1758, 1849, 1968, 2079, 2316, 2442, 2450, 2460, 2496, 2523, 2557, 2800, 2834, 3140, 3306, 3395, 3423, 3429, 3472, 3563, 3601, 3638, 3696, 3728, 3741, 3745, 3866, 3871, 3882, 3887, 3893, 3949, 4104, 4128-4129, 4296
PLACENTA DISORDERS: 148, 274, 728, 997, 1042, 1459, 1619, 1657, 1758, 1849, 1882, 2137, 2316, 2708, 2814, 3053, 3123, 3343, 3434, 3479, 3681, 3728, 3765, 3800, 4040
PLACENTA PRAEVIA: 3563
PLACENTAL EXTRACTS: 3593
PLACENTAL LACTOGEN: 274-275, 577, 678, 704, 1459, 1475, 1499, 1579, 1844, 2251, 2652, 2788, 3134, 3434, 3542, 3638, 3845, 3883, 4072
PLANT AGGLUTININS: 154, 404, 436, 704, 1558, 1600, 2026, 2334, 2343, 3139, 3337
PLANT DISEASES: 233
PLANT EXTRACTS: 1359, 3496, 3544, 3654
PLANT PROTEINS: 3963
PLANT VIRUSES: 233
PLANTS: 37, 233, 626, 1359, 1513, 1868, 2468, 3169, 3206, 3544
PLANTS, EDIBLE: 998, 3909
PLANTS, MEDICINAL: 1048, 2535, 2689, 3654
PLAQUE ASSAY: 904, 1206, 2631, 3624
PLASMA: 151, 154, 1539, 1643, 2507
PLASMA CELLS: 371, 2214, 2606, 2847, 3769
PLASMA SUBSTITUTES: 2088
PLASMA VOLUME: 968, 1023, 1499, 2351
PLASMACYTOMA: 434, 1053, 2847, 3782, 4021
PLASMALOGENS: 3074
PLASMAPHERESIS: 2618
PLASMINOGEN: 1576
PLATELET ADHESIVENESS: 1267, 1576, 1627, 1642, 2104, 2572, 2780, 2900, 2947, 3316, 3623, 3698, 3885, 4086
PLATINUM: 1620, 3962
PLAY: 1290, 3285
PLETHYSMOGRAPHY: 2009
PLETHYSMOGRAPHY, IMPEDANCE: 1086
PLEURA: 4265
PLEURAL EFFUSION: 3808
PLEURAL NEOPLASMS: 1608, 3558
PLUTONIUM: 242-243
PNEUMOCONIOSIS: 1389, 3911
PNEUMOENCEPHALOGRAPHY: 44, 1190, 2272, 2645, 2796, 3559, 4287
PNEUMOMEDIASTINUM, DIAGNOSTIC: 2071, 2115, 3122
PNEUMONECTOMY: 2616, 3830, 4026
PNEUMONIA: 966, 1389, 1696, 2076, 2096, 2481, 2563, 2896, 3465, 3585, 3776, 4294
PNEUMONIA, ASPIRATION: 3125
PNEUMONIA, INTERSTITIAL PLASMA CELL: 3465
PNEUMOPERITONEUM: 399, 667
PNEUMOPERITONEUM, ARTIFICIAL: 1217, 3164

PNEUMOTHORAX: 667
PODOPHYLLIN: 2934, 3923
POISONING: 563, 1261, 1383, 3161, 3970, 4119
POLAND: 2111, 3162
POLAROGRAPHY: 187, 387
POLITICS: 442
POLLEN: 1862
POLONIUM: 4006
POLY U: 520, 3752
POLYAMINES: 2929
POLYCHLOROBIPHENYL COMPOUNDS: 1966, 2875
POLYCHONDRITIS, RELAPSING: 3312
POLYCYTHEMIA: 367, 1329-1330, 3900
POLYCYTHEMIA VERA: 1329-1330
POLYETHYLENE TEREPHTHALATE: 957, 1140, 1315, 1620
POLYETHYLENES: 1620
POLYMERS: 1304, 1620, 1666, 2090, 2668, 2929
POLYMORPHISM (GENETICS): 1946, 2040, 2675, 2860, 3243
POLYMYALGIA RHEUMATICA: 1815, 4281
POLYMYXIN: 1181, 2331
POLYNUCLEOTIDES: 985, 2138
POLYOMA VIRUS: 2531, 2631
POLYPLOIDY: 1153, 2308, 2978, 4040, 4194
POLYRADICULITIS: 1776, 2893
POLYRIBOSOMES: 186, 520, 861, 1814, 2184, 2880
POLYSACCHARIDES: 242, 497, 1071, 1197, 1558, 1861, 2276, 3614, 3803
POLYSACCHARIDES, BACTERIAL: 1439, 1757
POLYTETRAFLUOROETHYLENE: 1620
POLYURIA: 1034, 2393, 2936, 3329
POLYVINYLPYRROLIDONE: 792, 1252, 2917
POLYVINYLS: 3803
PONS: 1043, 1219, 1850, 2858, 3515-3516, 3972, 4294
POPLITEAL ARTERY: 3305
POPULATION CONTROL: 2964, 3071, 3363
POPULATION DENSITY: 832
POPULATION GROWTH: 609, 4199
PORPHYRIA: 723, 1204, 1776, 3619
PORPHYRINS: 216, 723
PORTAL VEIN: 320, 528
POSTOPERATIVE CARE: 261, 297, 1438, 1932, 2306, 2458, 3062, 3214, 3359, 3384, 3541, 3749
POSTOPERATIVE COMPLICATIONS: 111, 126, 297, 397, 460, 487, 874, 876, 935, 1140, 1279, 1294, 1296, 1299, 1433, 1438, 1610, 1805, 2090, 2183, 2241, 2322, 2405, 2465, 2616, 2701, 2777, 2795, 2911, 2931, 2948, 2966, 3054, 3062, 3214, 3236, 3326, 3469, 3531, 3604, 3743, 3828, 3843, 3935, 4223, 4246, 4253
POSTURE: 86, 126, 523, 730, 736, 844, 1023-1024, 1116, 1141, 1349, 1812, 2240, 2455, 2461, 2658, 2719, 2792, 2961, 3012, 3288, 3406, 3700, 3737, 3928
POTASSIUM: 9, 59, 122, 147, 179, 182, 225, 227, 287, 320, 411, 421, 439-440, 493, 582-583, 716, 730, 736, 738, 819, 828-830, 874, 911, 918, 939, 968, 988, 1000, 1111-1112, 1126, 1142, 1157, 1230, 1260-1261, 1388, 1408, 1425-1427, 1534, 1556, 1615, 1638, 1713, 1800, 1804, 1814, 1932, 1968, 1993, 1996, 2033, 2043, 2063, 2143, 2238, 2258, 2339, 2397, 2426, 2525, 2538, 2565, 2578-2579, 2643, 2680, 2853, 2941, 3022, 3068, 3083, 3117, 3120, 3135, 3155, 3193, 3209, 3281, 3350, 3406, 3441, 3453, 3461, 3489, 3492, 3534-3535, 3596, 3612, 3668, 3677, 3680, 3737, 3751, 3762, 3801, 3872, 3890, 3903, 3906, 3930, 3997, 4055, 4071, 4077, 4085, 4118, 4120, 4174, 4249
POTASSIUM CHLORIDE: 59, 291, 421, 520, 597, 926, 1368-1369, 1682, 1734, 3289, 3574, 3661-3662, 3850, 4049, 4120
POTASSIUM DEFICIENCY: 295, 3453
POTASSIUM IODIDE: 297, 967
POTASSIUM ISOTOPES: 1408, 1968
POTENTIOMETRY: 3031
POULTRY: 120, 2075
POULTRY DISEASES: 37, 731, 2265, 2703, 2718, 2857, 3608
POWDERS: 2809, 2823
PREANESTHETIC MEDICATION: 1456, 2458, 3917
PRECANCEROUS CONDITIONS: 1575, 1966, 2023, 2060, 2687, 3042
PRECIPITATION: 197, 354, 426, 517, 1057, 1685, 2170, 2372, 2535, 3287, 3502, 3549, 3655, 3937
PRECIPITIN TESTS: 613, 643, 656, 1297, 1452, 1907, 3352, 3922, 4297
PRECIPITINS: 1297, 3871
PREDIABETIC STATE: 1604, 3305
PREDNISOLONE: 90, 122, 208, 214, 285, 364, 402, 434, 483, 523, 527, 541, 595, 614, 624, 634, 648, 682, 783, 796, 884, 897, 931, 989, 1064, 1067, 1154, 1161, 1200, 1216, 1244, 1389, 1416, 1439, 1470, 1479, 1674, 1818, 1918, 1974, 2142, 2169, 2235, 2237, 2389, 2414, 2601, 2630, 2809, 2820, 2832, 2874, 2893, 2945, 3124, 3164, 3347, 3380, 3570, 3585, 3724, 3803, 3898, 3911, 3915, 3933, 3944, 3997, 3999, 4018, 4057, 4150, 4275-4276
PREDNISOLONE, TOPICAL: 1254, 1679, 3720
PREDNISONE: 111, 164, 210, 232, 238, 245, 254, 290, 374, 397, 434, 436, 458, 460, 486, 554, 591, 613, 638, 645, 654, 682, 700, 747, 879, 896, 938, 940, 942, 1028, 1172, 1207, 1432, 1444, 1454, 1467, 1486, 1532, 1535, 1542, 1558, 1580-1581, 1663, 1686, 1807, 1815, 1821, 1877, 1884, 1904, 1959, 2082, 2096, 2135, 2212, 2237, 2249, 2283, 2414, 2576, 2601, 2621, 2740, 2764, 2771, 2795, 2818, 2839, 2846, 2871, 2928, 2976, 3005-3006, 3089, 3110, 3127, 3222, 3252, 3292, 3312, 3329, 3341, 3413, 3415, 3558-3559, 3620, 3693-3694, 3725, 3748, 3853, 3876, 3898, 3989, 3998, 4100-4101, 4105, 4198, 4206, 4235, 4252, 4257, 4264, 4281
PREGNADIENES: 225, 475, 574, 914, 2182, 2430, 3342, 3510, 3602, 3656, 3760, 4143, 4244
PREGNANCY: 5, 16, 38-39, 42, 45, 48, 52, 61, 88, 95, 115, 123, 127, 130, 148, 153, 159, 172, 177, 192, 206-207, 218, 238, 251, 258-259, 274-275, 281-282, 307, 324, 332, 339, 354, 377, 395, 405, 409-410, 432, 441, 446, 458, 463, 467, 477, 487, 489, 513, 521, 526, 537, 559, 567-568, 573, 577, 585, 592, 602, 606, 609, 613, 635, 639-640, 669, 675, 678, 697, 704, 714-715, 717, 720, 728, 734, 740, 744, 751, 753, 757, 789, 798, 802, 804, 824, 862, 864, 869, 888, 897, 905, 929, 935-937, 952, 973, 989, 991, 997, 1002-1003, 1018, 1026, 1033, 1042, 1081, 1095, 1099, 1103, 1119, 1122, 1133, 1139, 1145, 1149, 1156, 1164, 1169, 1173, 1203, 1232, 1235, 1241, 1250, 1255, 1265, 1272-1274, 1277, 1293, 1304, 1306, 1311, 1321, 1323, 1335, 1340, 1356, 1390-1391, 1409-1410, 1419, 1429, 1436, 1440, 1458-1459, 1461-1462, 1475, 1494, 1500, 1508, 1520, 1524, 1532, 1554, 1562, 1564, 1567, 1575, 1579, 1591, 1599, 1612, 1614, 1619, 1625, 1629, 1633, 1641-1642, 1652, 1657, 1668, 1676, 1683, 1689, 1694, 1701, 1708, 1711, 1729, 1750, 1754, 1756, 1758, 1770, 1792, 1805-1806, 1808-1809, 1820, 1830, 1834, 1838-1839, 1849, 1859, 1882, 1903, 1913, 1915, 1921, 1932, 1943, 1949, 1962, 1968, 2010, 2023, 2027, 2031, 2045, 2048, 2079, 2088, 2109, 2114, 2120, 2137, 2155, 2162, 2193, 2202, 2207, 2217, 2250, 2269-2271, 2274-2275, 2278, 2295, 2316, 2341, 2370, 2386, 2407, 2423, 2428, 2435, 2450, 2454, 2456, 2460, 2511, 2518, 2532, 2542, 2557, 2597, 2612-2613, 2626, 2636, 2646, 2652, 2675, 2681, 2708, 2721, 2759, 2766, 2788, 2800-2801, 2804, 2808, 2821, 2834, 2840, 2845, 2874-2876, 2882, 2898, 2907, 2920-2921, 2937, 2950, 2954, 2957, 2964, 2971, 2977, 2999, 3009, 3013, 3023, 3035, 3051, 3053, 3065, 3067, 3082, 3090, 3096-3097, 3119, 3121, 3123, 3134-3137, 3140, 3149, 3162, 3167, 3194, 3203, 3212, 3218, 3229, 3235, 3245, 3251, 3255, 3258, 3271, 3283, 3286, 3297, 3310, 3324, 3335, 3343, 3356, 3392, 3395, 3409, 3415, 3423, 3429, 3434, 3443, 3472, 3478, 3483, 3502, 3509, 3520
3542, 3546-3548, 3561, 3563-3564, 3568-3569, 3577, 3593, 3600-3601, 3621, 3631, 3636, 3638, 3680-3681, 3696, 3714, 3722, 3728, 3741-3742, 3745, 3767, 3800, 3829, 3833, 3845, 3864, 3870-3871, 3878, 3881-3883, 3887, 3893, 3898, 3901, 3905, 3934, 3943, 3949, 3951, 3974, 3978, 3992-3993, 4008, 4023, 4026, 4030-4031, 4033, 4040, 4054, 4066, 4072, 4076, 4081, 4092, 4103-4105, 4107, 4128-4129, 4172, 4199-4200, 4228, 4231, 4263, 4270, 4277-4280, 4282-4283, 4292-4293, 4296
PREGNANCY, ANIMAL: 61, 95, 130, 206, 258, 602, 640, 864, 1494, 1599, 1629, 1943, 2079, 2207, 2423, 2442, 2612, 2710, 2882, 2957, 3121, 3548, 3568-3569, 3722, 3943, 4023, 4043, 4128-4129
PREGNANCY COMPLICATIONS: 52, 61, 95, 123, 177, 218, 258, 274-275, 281, 307, 332, 513, 526, 611-612, 678, 929, 1081, 1306, 1340, 1429, 1499, 1520, 1554, 1567, 1619, 1676, 1683, 1758, 1830, 1839, 1849, 1859, 1932, 2316, 2386, 2511, 2636, 2708, 3013, 3096-3097, 3134, 3235, 3286, 3415, 3434, 3520, 3546-3547, 3563-3564, 3638, 3680-3681, 3878, 3951, 3993, 4040, 4054, 4107, 4231, 4293
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 577, 2466, 4054
PREGNANCY COMPLICATIONS, HE 238, 463, 477, 559, 613, 2874, 3638
PREGNANCY COMPLICATIONS, INF 4172
PREGNANCY, ECTOPIC: 487, 3681,
PREGNANCY IN DIABETES: 259, 27 1532, 1619, 1758, 2010, 2316, 3454, 3951, 4054
PREGNANCY, MULTIPLE: 282, 1819, 4054
PREGNANCY, PROLONGED: 678, 1 2137, 3638, 4129
PREGNANCY TESTS: 714, 1633, 190
PREGNANCY TESTS, IMMUNOLOGI
PREGNANCY TOXEMIAS: 274, 678, 1508, 1619, 1754, 1758, 2137, 2316, 3638, 4054, 4072
PREGNANCY, UNWANTED: 3992
PREGNANEDIOL: 10, 48, 765, 751, 1472, 1754, 1838-1839, 2440, 2724, 3238, 3331, 3616, 3882, 4254
PREGNANES: 129, 419, 652, 935, 96 1456, 1540, 1731, 1905, 2080, 2458, 3383, 3510, 3754, 3830, 3866, 3882, 4272
PREGNANETRIOL: 1189, 1472, 1839, 2970, 3238, 4254
PREGNENES: 1010, 1276, 2080, 2211, 3580, 3754, 3882, 4217
PREGNENOLONE: 4-5, 76, 144, 271, 1310, 1618, 1646-1647, 2072, 2318, 3838, 3884, 4058, 4187
PREMEDICATION: 479, 552, 1743,
PREMENSTRUAL TENSION: 10, 15
PRENATAL CARE: 123, 1265
PRENATAL DIAGNOSIS: 123, 789, 1641, 1652, 2675, 3090, 3245, 3255,
PRENYLAMINE: 2215
PREOPERATIVE CARE: 261, 297, 1743, 1932, 2191, 2583, 2601, 2625, 3384, 3452, 3632, 4099, 4223
PRESERVATION, BIOLOGICAL: 89
PRESSORECEPTORS: 85, 730, 913, 1864, 2015, 2310, 3672, 3680, 3698,
PRESSURE: 112, 244, 471, 939, 139 2269, 2517, 2628, 3173, 3226, 3234, 4038-4039
PRILOCAINE: 2917
PRIMATES: 3285
PRIMIDONE: 2309, 3458-3459, 3724
PRINTING: 2742
PRISONERS: 442, 1092
PRIVATE PRACTICE: 1820
PROADIFEN: 1099, 1876, 3067
PROBABILITY: 228, 650, 2175, 288
PROBENECID: 1225, 1341, 2038, 30
PROBLEM SOLVING: 820
PROCAINE: 504, 2121, 2481, 3195,
PROCARBAZINE: 796, 2621, 3341,
PROGESTATIONAL HORMONES: 1 373, 574, 601, 715, 842, 914, 1213, 1625, 2211, 2811, 2682-2683, 2801, 3493, 3510, 3634, 4045
PROGESTERONE: 81, 115, 121, 149 259, 271, 332, 358, 361-362, 377, 574, 585, 602, 606, 694, 705, 746, 887, 914, 936, 949, 955, 989, 996, 1093, 1130, 1155, 1171, 1213, 1218, 1257-1258, 1292, 1310, 1356, 1394, 1472, 1525, 1560, 1618, 1630, 1640, 1664, 1701-1702, 1708, 1752, 1754, 1823, 1852, 1879, 1919, 1976, 1979 2072, 2155, 2163, 2264, 2273, 2284 2318, 2329, 2373, 2396, 2423, 2459 2541, 2558, 2594, 2604, 2612-2613, 2687, 2689, 2766, 2791-2792, 2821, 2969, 3035, 3051, 3082, 3111, 3149 3179, 3210, 3220, 3236, 3288-3289, 3367, 3512, 3597, 3600, 3634, 3745 3824, 3827, 3866, 3870, 3882-3884, 3996, 4004, 4043, 4059, 4084, 4093 4176, 4187, 4191, 4280
PROGNOSIS: 26, 39, 93, 214, 261, 677-678, 764, 834, 872, 1020, 1075 1278, 1316, 1438, 1467, 1496, 1584 1790, 1794, 1859, 2025, 2195, 2212 2345, 2621, 2625, 2693, 2788, 2810 2862, 2893, 2938, 3110, 3136, 3147

LIBRARY U. OF L. URBANA-CHAMPAIGN

3496, 3500, 3694, 3828, 3888, 3923,
4210, 4235, 4280
1149, 1978, 3410-3412, 3414, 3883
355, 358, 405, 423, 482, 489, 585,
16, 786, 797, 799, 804, 816, 850, 863,
907, 1014, 1026, 1105, 1107, 1119, 1139,
1341, 1461-1462, 1519, 1587, 1593,
1869, 1871, 1906, 1908, 1925, 1943,
2216, 2250, 2258, 2307, 2458, 2488,
2587, 2636, 2640, 2794, 2806, 2835,
2936, 2968, 3023, 3134, 3204, 3229,
3542, 3546, 3568-3569, 3607, 3609,
3905, 3937, 3965, 3996
15, 878, 975, 1892, 2252, 2276, 2498,
3100, 3390
YDROXYLASE: 438, 2144
INE: 1181, 2786, 3456, 4073
02, 1272, 1274, 1555, 1572, 2003, 2293,
031
4098
ES: 225, 252, 525, 698, 713, 965, 1193,
2000, 2804-2805, 2957, 2979, 3111,
3817, 3887
NONES: 2215, 3496
ENE: 1874
OL: 311, 334, 333, 386, 838, 990,
1181, 1571, 1862, 1893, 1897, 2046,
2191, 2510, 2642, 2717, 3144, 3173,
3529, 3667, 3716, 3734, 3795, 3813,
3855, 4036-4037, 4069, 4120, 4136, 4146,
TION: 507
NES: 796, 3124, 3362
URACIL: 203, 273, 297, 869, 1340,
2176, 2190, 2548, 3031, 3192, 3425,
E STUDIES: 409, 613, 1100, 1156,
3167, 3930, 3978
NDINS: 53, 110, 160, 179, 298,
385, 446, 488, 519, 651, 662, 669,
733-734, 769, 786, 831, 894, 901,
073, 1138, 1164, 1388, 1460, 1468-1469,
1562, 1627, 1832, 1642, 1694, 1706,
1875, 1883, 1893-1894, 2032, 2062,
2153, 2162, 2177, 2197, 2226, 2232,
2377, 2395, 2436, 2450, 2480, 2537,
638, 2722, 2748, 2780, 2804, 2883,
2948, 2968, 3044, 3048, 3117, 3130,
3297, 3338, 3346, 3535, 3623, 3669,
795, 3870, 3958, 3966, 4044, 4111-4112,
4348, 4258-4259, 4280
508, 710, 797, 810, 965, 1049, 1673,
2083, 2187, 2333, 2369, 2382, 2384,
2529, 2936, 2965, 3470, 3505, 3754,
3966, 4029, 4195, 4278
TOMY: 1606, 2384
DISEASES: 619, 2482
HYPERTROPHY: 7, 2774, 3555
NEOPLASMS: 7, 768, 1075, 1149,
2140, 2369, 2512, 2774, 2785, 3246,
3402, 4099
S 2395
257, 957, 1208, 1541, 1666, 2160,
3063
DESIGN: 257, 2160
S: 1998
NDING: 27, 64, 70, 79, 88, 115, 120,
18, 363, 403, 472, 476, 494, 500, 520,
70, 587, 606, 617, 627, 672-673, 763,
861, 980, 1002, 1009, 1018, 1032,
1104, 1131, 1152, 1158, 1164, 1216,
1348, 1272-1273, 1280, 1284, 1304,
1572, 1592, 1630, 1650, 1661, 1677,
745, 1761, 1765, 1785, 1811, 1973,
2139, 2279, 2303, 2319, 2338, 2384,
2456, 2504, 2564, 2613, 2617, 2779,
2963, 2983-2984, 2996, 3024, 3059,
3274-3275, 3317, 3331, 3364, 3386,
3530, 3570, 3572, 3661, 3735, 3756,
3858-3859, 3898, 3914, 3919, 3922,
4092, 4139, 4267
UND IODINE TEST: 120, 246, 424,
08, 1194, 1351, 1503, 1563, 1722, 2136,
2344, 2377, 3070, 3119, 3192, 3201,
3631, 3691, 3825, 3979, 4007, 4010,
4239
LORIE MALNUTRITION: 905, 3029
NFORMATION: 354, 813, 861, 1082,
1650, 1733, 1908, 1953, 1991, 2496, 2627, 2984, 3262, 3320-3321, 3676, 3712, 3922, 3963
PROTEIN DEFICIENCY: 52, 905, 1265, 2389, 2636, 2981, 3029, 3181, 3290, 3546-3547, 4164
PROTEIN DENATURATION: 23, 1733, 1813, 1868, 1908, 2138, 2232, 3331, 3783
PROTEIN KINASE: 946, 1131, 1284, 1951, 2103, 2139, 2186, 2489, 2734, 3364, 3783, 3879, 4049
PROTEIN PRECURSORS: 156, 1507, 1734, 2799, 2996, 3193, 3884, 4216
PROTEINS: 52, 104, 107, 153, 186, 258, 278, 345, 362, 389, 406, 520, 532, 585, 593, 763, 849, 912, 1040, 1049, 1057, 1114, 1118, 1158, 1499, 1592, 1615, 1618, 1644, 1684, 1715, 1723, 1737, 1773, 1954, 1977, 1987, 2047, 2117, 2131, 2345, 2370, 2372, 2400, 2495, 2564, 2586, 2607, 2634, 2946, 2981, 3029, 3044, 3085, 3113, 3134, 3141, 3230, 3282, 3322, 3374, 3438, 3457, 3466, 3476, 3491, 3506, 3538, 3560, 3572, 3661-3662, 3702, 3710, 3803, 3908, 3925, 3984, 4128, 4186, 4234, 4297
PROTEINURIA: 51, 541, 942, 1067, 1172, 1633, 1964, 2582, 2719, 3492, 4072, 4235
PROTHROMBIN: 486, 2908
PROTHROMBIN TIME: 486, 2871, 3822
PROTONS: 515, 1728
PROTOPLASTS: 2426, 3419
PRURITUS: 189, 836, 1088, 2966, 2976
PRURITUS ANI: 128
PSEUDARTHROSIS: 4013
PSEUDOHERMAPHRODITISM: 506, 808, 976, 1055, 1306, 1781-1782, 2004, 2983, 3370, 3428, 3811, 4217
PSEUDOHYPOPARATHYROIDISM: 3055, 3156, 3705
PSEUDOMONAS: 1568, 2446
PSEUDOPODIA: 1941
PSEUDOPREGNANCY: 1153, 1844, 2882, 2890, 2974
PSEUDOPSEUDOHYPO- PARATHYROIDISM: 1739
PSEUDOTUMOR CEREBRI: 281
PSEUDOXANTHOMA ELASTICUM: 1150
PSILOCYBINE: 3554
PSORIASIS: 118, 210, 766, 802, 1133, 1558, 1965, 2364, 2551, 2663, 2688, 2877, 3178, 3231, 3628, 3874, 3965, 4137, 4263, 4268
PSYCHIATRIC STATUS RATING SCALES: 1341, 4134-4135
PSYCHIATRY: 2958
PSYCHOANALYSIS: 1803
PSYCHOLOGICAL TESTS: 282, 2623, 2775
PSYCHOLOGY: 808, 4208
PSYCHOLOGY, SOCIAL: 832, 2375
PSYCHOPHARMACOLOGY: 993, 2958, 3524, 3749
PSYCHOPHYSIOLOGIC DISORDERS: 2201, 2438
PSYCHOSES: 3629
PSYCHOSES, ALCOHOLIC: 2705
PSYCHOSES, INVOLUTIONAL: 1054
PSYCHOSES, MANIC-DEPRESSIVE: 1054, 1194-1195, 1242, 3333, 3474, 4279
PSYCHOSES, TOXIC: 2955
PSYCHOSEXUAL DEVELOPMENT: 2375, 4282
PSYCHOSOCIAL DEPRIVATION: 4208
PSYCHOSURGERY: 442, 1079, 4288
PSYCHOTHERAPY: 1079
PTERIDINES: 283
PUBERTY: 5, 70, 252, 306, 365, 396, 418, 660, 794, 955, 996, 1055, 1134, 1173, 1381, 1466, 1520, 1700, 1926, 2257, 2332, 2665, 2767, 2856, 2920-2921, 2923, 2983, 3078, 3094, 3132, 3251, 3311, 3370, 3392, 3477, 3584, 3659, 3706, 3962, 3995, 4081, 4161
PUBERTY, PRECOCIOUS: 396, 420, 1381, 1472, 1586, 2035, 2113, 2856, 3273, 3435
PUERPERAL DISORDERS: 463, 1429, 1562, 2435, 3635
PUERPERIUM: 95, 489, 613, 757, 1146, 1170, 1241, 1255, 2202, 2613, 3251
PUERTO RICO: 1665
PULMONARY ALVEOLAR PROTEINOSIS: 417
PULMONARY ALVEOLI: 3776, 4005, 4169
PULMONARY ARTERY: 18, 591, 1367, 3254, 3448, 3911, 4067
PULMONARY CIRCULATION: 2310, 2662, 2916, 3456
PULMONARY DIFFUSING CAPACITY: 1748, 2839
PULMONARY EDEMA: 330, 913, 1434, 1920, 2230, 2606, 2896, 4138
PULMONARY EMBOLISM: 462, 490, 1367, 1947, 2159, 2722, 3448, 3863
PULMONARY EMPHYSEMA: 2606
PULMONARY FIBROSIS: 1263, 1389, 2771, 2896, 3585, 3808
PULMONARY HEART DISEASE: 490
PULMONARY SURFACTANT: 521, 740, 4169
PULMONARY VALVE STENOSIS: 687, 2164
PULMONARY VEINS: 86, 3340
PULSE: 354, 498, 718, 730, 932, 1024, 1108, 1285, 1492, 2472, 2883, 2924, 3080, 3291, 3432
PUNCTURES: 266, 1374, 1999
PUNISHMENT: 322, 1160, 2519, 4146
PUPIL: 2738
PURINE NUCLEOTIDES: 1962, 3446
PURINES: 105, 701, 1962, 3674
PURKINJE CELLS: 1448
PUROMYCIN: 520, 642, 838, 1600, 1715, 2587, 3552, 3803, 3817, 3884, 4221, 4297
PURPURA: 631, 2281
PURPURA, THROMBOPENIC: 265, 1522, 1590, 1829-1830, 3698, 4142, 4262
PURPURA, THROMBOTIC THROMBOPENIC: 63
PUTRESCINE: 2867, 3516
PYELONEPHRITIS: 577, 738, 1707, 1932, 2719, 3358, 4251
PYLORIC ANTRUM: 122, 2960
PYLORUS: 560
PYRAMIDAL TRACTS: 2495
PYRAZINES: 1826
PYRAZOLES: 1861, 2591, 3161, 3470
PYRIDINES: 770, 784, 1915, 2114, 2786
PYRIDINIUM COMPOUNDS: 372, 2430
PYRIDINOLCARBAMATE: 770
PYRIDOSTIGMINE BROMIDE: 1697, 2102, 3585
PYRIDOXAL: 814
PYRIDOXAL PHOSPHATE: 1178
PYRIDOXAMINE: 1178
PYRIDOXINE: 13, 61, 814, 1178, 4048
PYRIDOXINE DEFICIENCY: 61, 1178, 1876
PYRIMETHAMINE: 38
PYRIMIDINES: 119, 197, 701, 958, 1047, 1679, 2048, 2138, 2591, 3316, 3674
PYROGENS: 662
PYROPHOSPHATASES: 3566
PYROPHOSPHATES: 125, 2330, 3926
PYRROLIDINES: 1012, 1236, 2430, 3161, 3247
PYRUVATE DEHYDROGENASE COMPLEX: 3552
PYRUVATE KINASE: 746, 809, 977, 1308, 3668
PYRUVATES: 119, 1220-1221, 1635, 1773, 1846, 2823, 3833, 3890, 4011, 4156
PYURIA: 942
QUADRIPLEGIA: 593, 2719
QUAIL: 15, 120, 385, 782, 1639, 2163, 2324, 2418, 2841, 2852, 3372, 3416, 4186
QUALITY CONTROL: 2022, 3801
QUANTUM THEORY: 2186
QUEBEC: 484-485, 2917
QUESTIONNAIRES: 1162, 1373, 3220
QUINACRINE: 724, 1580, 1956, 2564, 3854, 4218
QUINAZOLINES: 519
QUINESTROL: 3478
QUINGESTANOL: 1213, 1301
QUINIDINE: 1590, 2415
QUININE: 926, 1078, 1799, 1917, 2106, 3230, 3653
QUINOLINES: 403, 1570, 2928, 4015
QUINONES: 136, 1249, 1868
RABBITS: 28, 39, 72, 107, 164, 172, 202, 240, 258, 263, 285, 314-315, 320, 331, 333, 372, 377, 382, 404, 407, 496, 536, 546, 556, 563, 567-568, 591, 597, 608, 639, 642-643, 656, 666, 682, 702, 711, 714, 755, 758, 771, 780, 787, 827, 866-867, 894, 923, 949-951, 954, 999, 1003, 1026, 1032, 1070, 1076, 1082, 1134, 1138, 1146, 1153, 1166-1167, 1178, 1182, 1208, 1214, 1225, 1240, 1267, 1272-1274, 1280, 1292-1293, 1305, 1308, 1311, 1413, 1415-1416, 1431, 1469, 1480, 1484, 1494, 1506, 1579, 1616, 1618, 1640, 1648, 1661, 1742, 1785, 1813-1814, 1817, 1841, 1847, 1879, 1945, 1949, 1967, 1993, 2014, 2039, 2061, 2080, 2092-2093, 2104-2105, 2108, 2144, 2153, 2159, 2186, 2223, 2225-2226, 2254, 2295-2296, 2305, 2314, 2328, 2339, 2341, 2385, 2395, 2410, 2420, 2423, 2470, 2496, 2499, 2529-2530, 2620, 2652, 2690, 2722, 2748, 2778, 2780, 2808, 2884, 2900, 2928, 2941, 2960, 2997, 3003, 3034, 3044, 3085, 3105-3106, 3149, 3181, 3195, 3204, 3208, 3228, 3251, 3269, 3287, 3294, 3325, 3330, 3339, 3352, 3438, 3481, 3513, 3517, 3522, 3542-3544, 3549-3550, 3562, 3643, 3646, 3668-3669, 3683, 3714, 3734-3735, 3783, 3819, 3844, 3867, 3871, 3908, 3922, 3931, 3961, 4001, 4015, 4044, 4074, 4093, 4109, 4111-4112, 4117, 4128-4129,

4157, 4162, 4175, 4180, 4195, 4202, 4219, 4221-4222, 4246, 4278, 4297
RABIES: 3490
RABIES VACCINE: 3490
RABIES VIRUS: 3490
RACIAL STOCKS: 448, 554, 1801, 1926, 2617
RADIATION: 3801, 3803, 3833
RADIATION CHIMERA: 367, 1749
RADIATION DOSAGE: 42, 373, 2290, 3551, 3696, 3932, 4033, 4269
RADIATION EFFECTS: 8, 42, 193, 264, 387, 526, 837, 873, 1017, 1329-1330, 1416, 1593, 1678, 1716, 2190, 2334, 2670, 2868, 3143, 3203, 3218, 3278, 3551, 3696, 3803, 3932, 4021, 4033, 4269
RADIATION GENETICS: 2023, 3218
RADIATION INJURIES: 512, 2148, 2905, 3218, 3465, 3585, 3776
RADIATION INJURIES, EXPERIMENTAL: 2896, 2949, 3322
RADIATION MONITORING: 2635, 3218
RADIATION PROTECTION: 3218, 4269
RADIATION-PROTECTIVE AGENTS: 387, 802, 4050
RADICAL NECK DISSECTION: 561, 1332
RADIO: 3742
RADIOACTIVE FALLOUT: 451, 3218
RADIOACTIVITY: 1517
RADIOBIOLOGY: 2635
RADIOCHEMISTRY: 447, 494
RADIOGRAPHIC MAGNIFICATION: 549
RADIOGRAPHY: 3218, 3696
RADIOIMMUNOASSAY: 4-5, 32, 36, 60, 70, 109, 115, 156-157, 159, 171, 218, 229, 237, 262, 273-275, 310, 331, 347, 358, 365, 382-383, 423, 437, 475, 489, 493, 519, 535-536, 556, 570, 636, 646, 653, 655, 678, 682, 694, 730, 732, 738, 754, 756-757, 783, 804, 850, 900, 914, 923, 950, 989, 1000, 1025, 1035, 1039, 1109, 1119, 1127, 1134-1135, 1137, 1139, 1141, 1168, 1173, 1177, 1185, 1187, 1212, 1228, 1241, 1266, 1291-1293, 1309, 1314, 1331, 1374, 1406, 1431, 1499, 1563, 1565, 1578-1579, 1616, 1623, 1661, 1685, 1703, 1735, 1761, 1766, 1785, 1790, 1796, 1823, 1831, 1869, 1871, 1888, 1893-1894, 1898-1899, 1906, 1924, 1936-1937, 1942, 1952, 1970, 1994, 2061, 2099, 2119, 2126, 2201-2202, 2232, 2250, 2270, 2293, 2337, 2381, 2396, 2411, 2473, 2573, 2589, 2636, 2652, 2671, 2696, 2720, 2754, 2765, 2768, 2778, 2787, 2830, 2856, 2878, 2881, 2884-2885, 2887-2888, 2925, 2963, 2969, 3048, 3072, 3075, 3118, 3138, 3155, 3192, 3202, 3208, 3213, 3272, 3294-3295, 3358, 3367, 3392, 3404, 3412, 3434, 3436, 3442, 3463, 3526, 3529, 3537, 3577, 3603, 3606-3607, 3629, 3638, 3644-3647, 3683, 3691, 3697, 3699, 3714, 3766, 3775, 3792, 3845, 3870, 3893-3894, 3897, 3904, 3921, 3931, 3937, 4027, 4074, 4078-4079, 4090, 4097, 4109, 4122, 4175, 4184, 4189, 4192, 4202, 4207, 4210, 4227, 4236, 4245
RADIOISOTOPE DILUTION TECHNIC: 1927, 2289, 2407, 3610
RADIOISOTOPE SCANNING: 218, 448, 455, 672, 716, 801, 844, 1190, 1288, 1364, 1380, 1478, 1497, 1543, 1747, 1950, 2168, 2283, 2491, 2516, 2615, 2632, 2699-2700, 2727, 2798, 2836, 3089, 3142, 3246, 3382, 3403, 3452, 3499, 3589, 3691, 3696, 3791, 3924, 4051, 4057, 4078, 4190, 4220
RADIOISOTOPE TELETHERAPY: 328, 1013
RADIOISOTOPES: 192, 201, 573, 1400, 1478, 1604, 1874, 2491, 2578, 2632, 2831, 2906, 3011, 3382, 3481, 4002, 4219
RADIOLIGAND ASSAY: 617, 684, 1173, 1823, 2765, 3371, 3542, 3614, 3841, 3897, 3946
RADIOMETRY: 3093, 3932
RADIOTHERAPY: 1746, 2021, 2036, 2148, 2588, 2847, 2905, 3585, 3776
RADIOTHERAPY DOSAGE: 145-146, 328, 837, 1744, 2195, 2588, 3218, 3382, 3585, 3626, 3918
RADIOTHERAPY, HIGH ENERGY: 328
RADIUM: 3797
RADIUS: 1855, 2494, 2990
RAILLIETINIASIS: 2706
RANA: 288
RANA CATESBEIANA: 226, 439, 2260, 3170, 3240
RANA ESCULENTA: 1848, 3957
RANA PIPIENS: 745, 1420, 2040, 2260, 4085
RANA TEMPORARIA: 268, 2046, 2831
RATS: 18, 20, 23, 25, 27, 29, 31-32, 35-36, 38, 52, 56-57, 61, 65, 67, 88, 91, 95, 102, 104, 108, 110, 113, 125, 127, 131, 143, 147, 149, 152-153, 156, 160, 170, 177-178, 186-188, 192, 201, 204, 207, 213, 225, 228, 230, 237, 244, 250, 252-253, 255, 258-260, 263, 278, 280, 294, 298, 301, 304, 313, 318, 321-322, 324, 334-335, 340-341, 348-350, 355, 357-358, 362-363, 372, 375-377, 385, 388, 393, 395, 401, 403, 408, 421-422, 444, 449, 471, 476, 497, 504-506, 508, 520, 528-530, 532, 537, 539, 541, 543-544, 553, 558, 562, 564, 567, 569, 571-572, 576, 584-585, 587, 596, 603, 610, 621-622, 627, 640, 642-643, 651, 656, 665, 671, 675-676, 680-681, 683, 694, 696, 706, 710-712, 729, 732, 735, 741-743, 746, 748, 750, 758-762, 765, 770, 772, 775, 777-780, 784-785, 797-798, 810, 817, 820-822, 829-830, 838-839, 845, 847, 852, 855, 863, 865, 871, 885-886, 890, 897-898, 901, 905, 908, 910-913, 916-917, 919-920, 925-926, 933, 943-944, 947, 951, 953, 955, 958, 960-962, 971-972, 977-978, 982, 990-993, 996, 998, 1003, 1005, 1007, 1009, 1016-1018, 1022, 1026, 1043, 1050, 1059-1062, 1066, 1069-1071, 1078, 1083, 1089, 1099, 1110, 1115, 1119-1120, 1124, 1127, 1130, 1137-1138, 1144, 1151-1152, 1157-1158, 1160, 1164-1166, 1173, 1176-1178, 1180-1181, 1185, 1187-1188, 1193, 1198, 1201, 1205, 1210, 1213-1214, 1218-1219, 1222, 1226, 1232, 1234, 1238, 1245, 1251, 1256-1259, 1269, 1271, 1281, 1283, 1290, 1307, 1310-1312, 1322, 1325, 1329-1331, 1337, 1343, 1348, 1352, 1354, 1361, 1363, 1365-1366, 1374, 1376, 1381, 1391, 1403, 1410, 1415-1416, 1425-1426, 1443, 1446, 1448-1451, 1462, 1473, 1476, 1488, 1495, 1498, 1500, 1505, 1507, 1509, 1524-1525, 1527, 1529-1531, 1539, 1541, 1546, 1550-1551, 1556, 1559, 1564, 1566, 1576, 1582, 1589, 1593-1594, 1596, 1598, 1602, 1607, 1609, 1617, 1626-1627, 1635, 1644, 1646-1648, 1673, 1676, 1678, 1681-1682, 1684, 1688, 1692, 1698-1699, 1704, 1706, 1715-1716, 1718, 1724-1726, 1729, 1737, 1742, 1751, 1766-1767, 1773, 1779, 1793
1796-1800, 1809, 1811, 1813-1814, 1819, 1831, 1840, 1853, 1857, 1861, 1867, 1869, 1873-1874, 1876, 1885, 1887, 1892-1895, 1906, 1910, 1912, 1914-1917, 1919, 1925, 1927, 1933-1934, 1936-1937, 1943-1944, 1949, 1951, 1954, 1963, 1966, 1969-1970, 1975, 1977, 1987, 1995, 2000, 2008, 2012-2013, 2016, 2018, 2029-2030, 2038, 2047-2048, 2055-2056, 2061, 2063-2065, 2068-2070, 2078-2081, 2086, 2111, 2117, 2120, 2139, 2143, 2147, 2152, 2154, 2156, 2158, 2165-2166, 2173, 2177, 2179, 2187, 2194, 2196, 2198-2199, 2207, 2210, 2215, 2221, 2228, 2231-2233, 2242, 2254-2257, 2267-2269, 2286, 2293-2296, 2300, 2302, 2307, 2311, 2313, 2325, 2353-2355, 2357, 2367, 2372, 2377, 2379, 2387-2391, 2397, 2400, 2413, 2420, 2422-2423, 2432-2433, 2449, 2452, 2456, 2466-2467, 2469-2470, 2474, 2477-2478, 2489, 2491, 2495, 2499-2502, 2509, 2518-2519, 2521-2522, 2535-2536, 2538-2539, 2547, 2556-2559, 2567, 2569-2571, 2577, 2581, 2584, 2587, 2592-2593, 2604, 2607, 2622, 2624, 2635-2636, 2638-2639, 2643-2644, 2657-2660, 2664, 2666, 2669, 2676, 2680, 2689-2691, 2697, 2703, 2707, 2710-2713, 2716-2717, 2722-2723, 2733-2735, 2750-2751, 2754, 2757, 2759, 2767, 2769-2770, 2772, 2783, 2786, 2790, 2797, 2803, 2813, 2815, 2826, 2838, 2845, 2848, 2864-2865, 2867-2870, 2873, 2879-2880, 2884-2885, 2890-2891, 2896, 2906-2907, 2912, 2916, 2922-2923, 2927, 2932-2933, 2936-2937, 2944, 2946, 2949, 2959, 2965, 2968, 2972, 2974, 2980-2982, 2996, 2998-2999, 3007-3008, 3018, 3020, 3030, 3034, 3036, 3041-3042, 3052, 3066-3067, 3079, 3082, 3088, 3092-3093, 3095, 3111, 3115-3117, 3125, 3128-3129, 3145, 3153, 3168, 3172, 3174, 3177, 3179, 3181-3182, 3184, 3192, 3199, 3203-3204, 3206, 3217, 3221, 3230, 3235, 3237, 3247-3248, 3257, 3259, 3263-3264, 3274-3275, 3278, 3280, 3286, 3288-3290, 3294-3295, 3298, 3300, 3311, 3314-3315, 3317, 3320-3323, 3327-3328, 3336, 3350-3351, 3353, 3361-3362, 3367-3368, 3371, 3374, 3390-3393, 3397-3398, 3401, 3405, 3407-3410, 3412, 3414, 3417, 3422, 3429, 3431
3433, 3453, 3455, 3457, 3460, 3462, 3467, 3470, 3475, 3480, 3484, 3496, 3502-3503, 3505, 3515-3518, 3525, 3530, 3542-3543, 3548-3548, 3550-3552, 3560, 3566, 3568-3570, 3572-3573, 3575, 3577-3578, 3582, 3586, 3592, 3596-3597, 3606-3607, 3610, 3614, 3623, 3630, 3633, 3643, 3645-3646, 3648, 3653-3655, 3661-3662, 3668, 3683, 3690, 3712, 3729, 3737, 3739-3740, 3744-3746, 3751-3752, 3754-3756, 3758-3760, 3763, 3767, 3771, 3777, 3779, 3784, 3788-3789, 3804, 3809, 3813-3814, 3821, 3824, 3834-3835, 3837, 3839, 3847-3848, 3852, 3860, 3864, 3884, 3887, 3896, 3914, 3919, 3925, 3931, 3937, 3945, 3959-3962, 3966, 3968, 3970, 3972-3973, 3975, 3985, 3990, 3994, 3999, 4006, 4009, 4014-4
4025, 4029-4031, 4036-4037, 4050, 4052, 4
4061, 4065, 4068-4069, 4071, 4073, 4079, 4
4095, 4104, 4106, 4108-4109, 4113, 4122, 4
4131, 4144, 4146, 4148, 4152, 4162, 4174,
4176-4177, 4181-4183, 4187, 4191-4193, 4
4212-4216, 4221, 4225, 4234, 4239, 4247,
4258, 4278, 4295-4296
RATS, INBRED LEW: 1925
RATS, INBRED STRAINS: 207, 972, 1283,
1809, 1949, 2147, 2177, 2449, 2467, 2666,
2697, 2896, 3237, 3278, 3408, 3560, 3783
RATS, INBRED WF: 3237
REACTION TIME: 100, 228, 368, 649, 91
1290, 1451, 1550, 1677, 1682, 2954, 3200,
4182, 4212
RECEPTORS, ADRENERGIC: 270, 283, 8
1175, 1193, 1516, 1856, 2000, 2172, 2196,
2404, 2433, 2489, 2546, 2769, 3173, 3269,
3804, 3824, 3907, 4146
RECEPTORS, CHOLINERGIC: 270, 2196,
2404, 2413, 2761, 3269, 3774
RECEPTORS, DRUG: 179, 200, 840, 1018,
1355, 2145, 2196, 2404, 2413, 2452, 3040,
3607, 3710, 3751, 4136, 4139
RECEPTORS, HORMONE: 64, 79, 237, 3
345-346, 363, 380, 454, 506, 603, 684, 7
810, 949, 1012, 1032, 1062, 1063, 1272-1
1335-1336, 1394, 1449, 1505, 1607, 1852,
1898-1899, 1914, 1973, 2196, 2279, 2382,
2484, 2534, 2711, 2767, 2812, 2873, 2935
3206, 3248, 3371, 3389, 3505, 3542, 3572
3661-3662, 3712, 3744, 3815, 3824, 3841,
RECEPTORS, NEURAL: 742, 1067, 3550
RECOMBINATION, GENETIC: 105, 289,
3107
RECTAL NEOPLASMS: 193, 768, 801, 1
3039, 3050, 3347
RECTOVAGINAL FISTULA: 2810
RECTUM: 2748, 2789, 3155
RECURRENCE: 111, 118, 208, 339, 409,
725, 969, 1407, 1794, 1863, 1947, 2112,
2563, 2771, 2781, 2818, 2830, 2846, 336
4206, 4226
RED NUCLEUS: 1334, 4014
REFERRAL AND CONSULTATION: 182
REFLEX: 61, 419, 507, 593, 972, 1070,
2269, 3672, 3691, 3774, 4030-4031
REFLEX, MONOSYNAPTIC: 378
REFLEX, TENDON: 3200
REFRACTORY PERIOD, NEUROLOGIC:
3517, 3758, 4286
REGENERATION: 1379, 2140, 2174, 223
2880, 3803
REGIONAL BLOOD FLOW: 201, 270, 1
1388, 1621, 1758, 1837, 1874, 2009, 229
3068, 3306, 3642, 3680, 3749, 3774
REGRESSION ANALYSIS: 1691, 1745,
REINFORCEMENT (PSYCHOLOGY): 6
2556, 3018, 3700
REINFORCEMENT SCHEDULE: 253, 5
1550-1551, 2158, 2413, 2519, 3573, 383
REITER'S DISEASE: 940
RELAXATION: 3999
REMISSION: 47, 51, 63, 118, 374, 642-6
842, 1045, 1183, 1242, 1314, 1316, 137
1535, 1581, 1663, 1904, 2301, 2348, 25
2621, 2764, 3075, 3110, 3252, 3341, 35
3980, 4018, 4206
RENAL ARTERY: 1140, 1684, 1844, 21
RENAL ARTERY OBSTRUCTION: 317,
1094, 1140, 2099, 3680
RENAL OSTEODYSTROPHY: 302, 549,
1143, 1561, 3235, 3397, 3929, 4188
RENAL TUBULAR TRANSPORT, INB
ERRORS: 3254
RENAL VEINS: 126, 2555, 3406, 3535,
RENIN: 85-86, 126, 156-157, 230, 262,
730, 736, 738, 779, 968, 1020-1021, 10
1109, 1140-1141, 1175, 1182, 1196, 121
1260, 1344, 1426, 1472, 1507, 1534, 15
1726, 1804, 1812, 1825, 1884, 2024, 20
2105, 2255, 2310, 2337, 2719, 2758, 27
2799, 2826, 3068, 3155, 3193, 3259, 32
3358, 3406, 3453, 3492, 3534, 3642, 36
3839, 3872, 3906, 3928, 3939, 3971, 39
4056, 4078, 4204, 4210, 4236, 4251, 42
REPRODUCTION: 11, 774, 806, 877, 8
1003, 1139, 1146, 1235, 1363, 1676, 17

LIBRARY U. OF I. URBANA-CHAMPAIGN

2884, 2875, 2907, 2913, 2999,
3943, 4081, 4158, 4278, 4300
288, 692, 2306, 2358, 3799
310, 974, 1138, 2479, 2904, 2958, 3244,
4184
DESIGN: 1166
: 9, 35, 283, 522, 531, 571, 990, 1232,
1755, 1847, 2061, 2421, 2757, 2783,
3183, 3169, 3338, 3456, 3666, 3687,
3970, 4136
CHARACTERISTICS: 609
4, 2597, 2721, 2870, 2934, 3070
L: 1675, 1789, 2934, 4158
ON: 354, 419, 662, 694, 913, 1108, 1389,
1614, 1615, 2015, 2338, 2450, 2908,
3383, 3451, 3525, 3749, 3917, 3947
ON, ARTIFICIAL: 872, 1521, 2662,

RY CENTER: 2656
RY DISTRESS SYNDROME: 740, 1265,

RY FUNCTION TESTS: 524, 1163,
3427
RY HYPERSENSITIVITY: 1046, 3427
RY INSUFFICIENCY: 137, 667, 1367,
4169, 4195
RY SYSTEM: 1801, 2722
RY TRACT DISEASES: 1138, 1776,

RY TRACT INFECTIONS: 2317
1127, 1634, 2234, 2490, 2653, 3927,

TION: 2230, 4007
FORMATION: 20, 107, 116, 1060,
1699, 1916, 2019, 2067, 2121, 2158,
3817
TTES: 63, 1047, 1984, 2543, 2971, 3085
NDOTHELIAL SYSTEM: 1283, 1696,

: 213
1, 634, 1486, 3498, 3203, 4002, 4249
NTERY: 443
EGENERATION: 575, 1486
ETACHMENT: 470, 634, 1154, 3469
SEASES: 397, 614, 2697, 3005, 3413
EMORRHAGE: 470, 1239, 2011, 3005
GMENTS: 342, 346, 634, 1573, 2236
EIN: 1947
ESSELS: 563, 1815, 1974, 3005
2011
PIGMENTOSA: 342, 575, 1397, 1573,
3450
STOMA: 2001, 3498, 3778, 3782
TONEAL FIBROSIS: 1034
TONEAL NEOPLASMS: 600, 834, 1430,

TONEAL SPACE: 580, 1609
MOPERITONEUM: 3511
TIVE STUDIES: 111, 265, 275, 462,
941, 1845, 2457, 2801, 3110, 3167, 3684,

LEARNING: 820, 1004
43, 46, 54-56, 86, 89, 153, 177-179,
4, 218, 258-259, 263, 282, 300,
, 373, 377, 396, 424, 441, 444, 466,
1, 575, 579, 592, 764, 799, 802, 804,
4, 852, 873, 932, 939, 941, 951, 1003,
1065, 1073, 1094, 1100, 1108, 1119,
1155, 1163-1166, 1173, 1175, 1178-1179,
1296, 1300, 1316, 1329-1330, 1381,
1423, 1437, 1487-1488, 1495, 1499,
1641, 1656, 1679, 1706, 1708, 1711,
769, 1776-1777, 1792, 1806, 1816, 1825,
1897-1899, 1932, 1940, 1955, 1965,
2001, 2015, 2019, 2023-2024, 2039-2040,
2143, 2145, 2172, 2198, 2206, 2219,
2310, 2316, 2319, 2433, 2437, 2443,
2473, 2481, 2483, 2546, 2559, 2562,
2607, 2643, 2647, 2653, 2677, 2705,
2734-2735, 2738, 2749, 2825, 2837,
2887-2888, 2902, 2931, 2934, 2946,
3029, 3050, 3062, 3113, 3126,
136, 3187, 3176, 3186-3187, 3202, 3204,
3298, 3299, 3344, 3390, 3392,
427, 3453, 3465, 3476, 3488, 3503,
3534, 3550, 3571, 3613, 3619, 3628,
3674, 3680, 3691, 3696, 3696, 3711,
3748, 3801, 3862, 3885, 3897, 3907,
3961, 3973, 4015, 4022, 4044, 4078,
4122, 4130, 4133, 4162, 4165, 4189,
4193, 4198, 4231, 4245, 4266, 4277-4279, 4295,
4297, 4300
REWARD: 206, 253, 322, 620, 712, 1312, 1550-1551,
1681, 1916, 1933-1934, 2158, 2519, 2556, 3264,
3578, 3758, 4146, 4212
RH FACTORS: 274, 678, 691, 1499, 1758, 3343,
3434, 3638
RHABDOMYOSARCOMA: 3126, 3778
RHEUMATIC FEVER: 1200, 2583
RHEUMATIC HEART DISEASE: 96, 2415
RHEUMATISM: 2414, 2679, 3115, 3583, 3693
RHEUMATOID FACTOR: 2992
RHINOSCLEROMA: 2601
RHIZOBIUM: 1568, 3107
RHODOSPIRILLUM: 3926
RHODOSPIRILLUM RUBRUM: 3926
RIBOFLAVIN: 345, 2117, 2868
RIBONUCLEASE: 637, 642-643, 898, 1201, 1272,
1274, 1577, 1715, 2372, 3374, 3386, 3635, 3817
RIBONUCLEOTIDES: 351, 980, 1284, 1982, 2117,
3683
RIBOSOMES: 14, 520, 706, 958, 1650, 1751, 1834,
1853, 2101, 2184, 2426, 2714, 2880, 3085, 3135,
3424, 3752, 4049, 4152, 4224
RIBS: 954, 1471, 1855, 2005, 3409, 4124
RICKETS: 189, 302, 912, 1401, 1911, 2146, 2239,
2282, 2309, 2335, 2368, 2406, 2718, 3086, 3202,
3401-3402, 3430, 3458-3459, 3545, 3566, 3659, 3805,
3891, 4141, 4167
RICKETS, VITAMIN D RESISTANT: 191, 452,
2366, 2406, 3272, 3675
RICKETTSIA: 330
RICKETTSIA PROWAZEKII: 173
RICKETTSIAL DISEASES: 173
RIFAMPIN: 2401
RIFAMYCINS: 269
RNA: 14, 104, 107, 125, 153, 278, 408, 585, 637,
710, 958, 965, 1037, 1201, 1398, 1462, 1485, 1600,
1615, 1624, 1644, 1706, 1954, 1996, 2051, 2062,
2131, 2138, 2245, 2304, 2558, 2584, 2873, 2973,
3229, 3322, 3374, 3408, 3419, 3515, 3569, 3625,
3847, 3884, 4020, 4129, 4132, 4209
RNA, BACTERIAL: 1577
RNA, MESSENGER: 79, 3113, 3457
RNA POLYMERASE: 79, 105, 125, 269, 278, 810,
1201, 2051, 2518
RNA, RIBOSOMAL: 1852, 2558, 2584, 3635, 4132,
4221
RNA, TRANSFER: 958, 980, 1577, 1728, 2558, 3752
RNA VIRUSES: 303, 904, 1657, 2108, 2755, 3271,
3624
RODENT DISEASES: 114, 2354, 2376, 3509
RODENTS: 213, 560, 3961, 4081, 4092
RODS AND CONES: 346
ROLE: 3811
ROOT CANAL FILLING MATERIALS: 781, 1483
ROOT CANAL THERAPY: 4211
ROSACEA: 3679
ROSE BENGAL: 1939, 2287
ROUS SARCOMA VIRUS: 73-74, 2755
RUBIDIUM: 993, 1874, 2941
RUMANIA: 3033
RUPTURE: 580, 717, 854
RUPTURE, SPONTANEOUS: 487
RURAL POPULATION: 155, 609, 3007, 3869, 3974,
4199
RUSSIAN FEDERATION (ASIA): 1380, 3385
RUSSIAN FEDERATION (EUROPE): 4010
RUTHENIUM: 626, 1369
RUTIN: 1860
SACCHARIN: 2242
SACCHAROMYCES: 242
SACCHAROMYCES CEREVISIAE: 668, 1889, 2186,
3256, 3419
SACROILIAC JOINT: 41, 893
SADISM: 1803
SALAMANDERS: 482, 745, 868, 2806, 3750
SALICYLAMIDES: 1861
SALICYLATES: 404, 514, 1002, 1661, 2121, 2377,
2786, 3472, 3653, 4112, 4216
SALICYLAZOSULFAPYRIDINE: 111
SALICYLIC ACID: 1789, 2443, 2853, 2934
SALIVA: 1409, 1426, 2091, 2093-2094, 2243, 3399,
3860, 3930, 4165
SALIVARY DUCT CALCULI: 3831
SALIVARY GLAND NEOPLASMS: 3180
SALIVARY GLANDS: 97, 309, 346, 2321, 4082
SALIVATION: 890, 1474, 3860
SALMON: 1209, 2452
SALMONELLA: 731
SALMONELLA INFECTIONS, ANIMAL: 731
SALMONELLA TYPHIMURIUM: 731, 1577
SALMONIDAE: 103, 1191, 1501, 1587, 1752, 2170,
2303
SAPHENOUS VEIN: 1140, 1369, 2555
SAPONINS: 1482
SARCOIDOSIS: 415, 450, 648, 1717, 1974, 2348,
2476, 2684, 3202, 3553, 3897, 4101
SARCOLEMMA: 3735, 4120
SARCOMA: 292, 1515, 2485, 2674, 3215, 3521, 3879
SARCOMA, EWING'S: 3778
SARCOMA, EXPERIMENTAL: 292, 3130, 3290,
3944
SARCOMA, MAST CELL: 1552, 1924
SARCOMA, OSTEOGENIC: 50, 2434, 2485, 2674
SARCOMA, RETICULUM CELL: 1829, 2475, 3290,
3888, 4150, 4264
SARCOPLASMIC RETICULUM: 117, 426, 504,
2504, 2673, 3461, 3733-3735
SARCOSINE: 1482, 1804
SATIATION: 124, 160, 947, 1312, 2556, 3184, 3573,
4108
SCABIES: 516
SCANDIUM: 1478
SCAPULA: 232, 1855, 4009
SCATTERING: 1733-1734, 2540
SCHIFF BASES: 1502
SCHISTOSOMA: 286
SCHISTOSOMA HAEMATOBIUM: 1047
SCHISTOSOMA MANSONI: 286, 481, 1047, 1665
SCHISTOSOMIASIS: 481, 1046-1047
SCHIZOPHRENIA: 458, 823, 2399, 2479, 2729, 3241,
3244, 3354, 3865, 4134, 4288
SCHIZOPHRENIC PSYCHOLOGY: 2729
SCHOOLS: 4199
SCIATIC NERVE: 671, 1060, 1070, 1771, 1972,
2430, 2712, 3740
SCIATICA: 895
SCINTILLATION COUNTERS: 1281, 1531
SCLERA: 398, 1006, 4241
SCLEREDEMA ADULTORUM: 3186
SCLERODERMA, CIRCUMSCRIBED: 3187
SCLERODERMA, SYSTEMIC: 1830, 3187, 4294
SCLEROSIS: 677, 3187
SCOPOLAMINE: 1456, 1699, 2848, 3079
SCORPIONS: 255, 2657
SCOTLAND: 339, 1100, 1597
SCOTOMA: 1161, 1486, 3005, 3413
SCROTUM: 854
SCURVY: 4297
SEA URCHINS: 247
SEASONS: 625, 907, 1255, 1358, 1371, 1420, 1597,
1621, 1672, 1873, 1909, 1926, 1992, 2024, 2046,
2175, 2259, 2273, 2305, 2318, 2328, 2844, 2893,
2969, 3127, 3204, 3260, 3313, 3700, 3801, 3964,
4038, 4092, 4110, 4151, 4270, 4277
SEAWATER: 288, 632, 686, 1014-1015, 2178, 3022,
3702
SEBACEOUS GLANDS: 1300, 2219, 4043, 4143
SEBORRHEA: 766, 2484
SEBUM: 102, 2219, 4043
SECOSTEROIDS: 1609
SECRETIN: 382, 1151, 1505, 1713, 1730, 1898-1899,
2422, 3243, 4156
SECRETORY RATE: 181, 383, 411, 439, 572, 754,
816, 830, 1196, 1212, 1394, 1571, 1582, 1831, 1867,
2248, 2291, 2646, 2704, 2763, 3399, 3568, 3962,
4079, 4116
SEEDS: 188, 1627, 3137, 3909
SELECTION (GENETICS): 368, 1103, 3152, 3940,
4170
SELENIUM: 1436, 3481, 4002, 4177
SELF CONCEPT: 132, 1373, 2672, 3144
SELF MEDICATION: 736
SELF STIMULATION: 321-322, 375, 620, 622, 737,
1681, 2030, 2067, 2158, 2519, 2556, 2620, 3018,
3079, 3433, 3758, 4068, 4108, 4146, 4212, 4215
SELLA TURCICA: 163, 462, 473, 1036, 1086, 1224,
1406, 2189, 2272, 2828, 4287
SEMEN: 488, 1027, 1453, 1632, 1842, 2922, 2979,
3966, 3994, 4001, 4177, 4195, 4300
SEMICARBAZIDES: 1433
SEMICARBAZONES: 1433, 1725, 2521, 3771
SEMILUNAR BONE: 3069, 3685
SEMINAL VESICLES: 30, 468-469, 710, 797, 965,
1005, 1017, 1238, 1469, 1842, 1852, 2049, 2320,
2323, 2403, 2598, 2747, 2838, 2936, 3466, 3470,
3656, 3838, 3962, 3966, 4195, 4229, 4278
SENEGAL: 418, 448, 693
SENSATION: 1121, 3176

SENSORY DEPRIVATION: 932
SEPTICEMIA: 24, 214, 289, 3743
SEPTUM PELLUCIDUM: 182, 620, 890, 926, 1060, 1165, 1357, 1798-1799, 1819, 2989, 3484, 3591, 3751, 3817
SERINE: 1715, 1822, 2559, 3636, 3655
SERINE DEHYDRATASE: 656, 1878
SERODIAGNOSIS: 547, 3373
SEROTHERAPY: 3721
SEROTONIN: 20, 27-29, 35, 46, 116, 172, 178-179, 187, 200, 223, 280, 286, 299, 309, 320, 347, 387, 414, 522, 525, 531, 565, 571, 615, 630, 681, 686, 735, 758, 760-761, 770, 784, 817, 823, 838-839, 870-871, 883, 917, 945, 951, 1009, 1061, 1069, 1160, 1219, 1225, 1242-1243, 1251, 1267, 1325, 1341, 1365-1366, 1386, 1411, 1443, 1527, 1559, 1590, 1594-1595, 1644, 1653, 1655, 1684, 1699, 1755, 1774, 1779, 1793, 1847, 1870, 1875, 1895, 1924, 1995, 2038, 2046, 2077-2078, 2121, 2165, 2199, 2215, 2307, 2331, 2355, 2362, 2379, 2404, 2477, 2510, 2546, 2572, 2605, 2618, 2660, 2677, 2680, 2698, 2703, 2711, 2726, 2729, 2735, 2780, 2790, 2858, 2900, 2947, 2958, 3020, 3058, 3077, 3161, 3199, 3203-3204, 3233, 3241, 3244, 3332, 3353, 3372, 3451, 3456, 3485, 3514, 3518, 3554, 3564, 3606, 3698, 3819, 3837, 3849, 3855, 3880, 3889, 3902, 3907, 3913-3914, 3927, 3959-3960, 3972, 3975, 4012, 4073, 4086, 4136, 4146, 4196-4197, 4202-4204, 4213
SEROTYPING: 3270
SEROUS MEMBRANE: 327
SERTOLI CELL TUMOR: 699, 2034, 2692
SERTOLI CELLS: 98, 706, 1005, 1420, 2049, 2320, 2506, 2838, 2909, 2932, 3133, 3304, 3477, 3964, 3994
SERUM ALBUMIN: 4, 8, 54, 518, 959, 1002, 1376, 1512, 1661, 1733-1734, 1964, 1968, 2110, 2126, 2225, 2317, 2903, 2946, 2996, 3133, 3172, 3206, 3243, 3325, 3331, 3337, 3480, 3506, 3683, 3922, 3934, 4066, 4167, 4264
SERUM ALBUMIN, BOVINE: 240, 382, 407, 556, 644, 1311, 1555, 1578, 1785, 1895, 2506, 2540, 3207, 3282, 3331, 3361, 3814, 3904, 4175
SERUM ALBUMIN, RADIO-IODINATED: 528, 968, 2289, 2351, 3262
SERUM GLOBULINS: 1002, 1240, 1576, 1642, 1964, 2438, 2487, 3133, 4092
SERUM SICKNESS: 579
SERYLTRIHYDROXY BENZYLHYDRAZINE: 822, 871, 3779
SEVIN: 4104
SEX: 4161
SEX BEHAVIOR: 1003, 1586, 1803, 3167
SEX BEHAVIOR, ANIMAL: 11, 15, 80, 178, 628-629, 650, 698, 871, 955, 976, 992, 1001, 1146, 1257-1258, 1371, 1493, 1546, 1613, 1842, 2154, 2273, 2604, 2658-2659, 2747, 2791-2792, 2921, 2979, 3111, 3129, 3277, 3288-3289, 3518, 3597, 3630, 3936, 3943, 4043, 4151
SEX CHARACTERISTICS: 844, 1406, 1887, 2270, 3213, 3660
SEX CHROMATIN: 231, 724, 1262, 1641, 1858, 1988-1989, 2284, 2398, 2412, 2909, 3136, 3162, 3255, 3370, 3471, 3854, 4053
SEX CHROMOSOME ABNORMALITIES: 236, 342, 575, 789, 1055, 1092, 1306, 1652, 1768, 1940, 1957, 2112, 2562, 2564, 2775, 2819, 2970, 3009-3010, 3090, 3162, 3211, 3243, 3245, 3494, 3682, 3965, 4155
SEX CHROMOSOMES: 66, 71, 222, 264, 285, 337, 379, 381, 501, 724, 748, 774, 807, 867, 875, 979, 1037, 1055, 1145, 1179, 1392, 1397, 1573, 1612, 1680, 1836, 1946, 1956, 2004, 2023, 2040, 2188, 2308, 2315, 2360, 2412, 2451, 2483, 2505, 2755, 2762, 2942, 2978, 2985, 3060, 3160, 3162, 3243, 3370, 3635, 3640, 3652, 3657, 3858, 3982, 4132, 4170, 4194, 4255
SEX DETERMINATION: 724, 1428, 1568, 1652, 1724, 3107, 3114, 3255, 3576, 3671, 3811, 4058
SEX DEVIATION: 1803, 3656
SEX DIFFERENTIATION DISORDERS: 1217, 1323, 1781, 2324, 2909, 3046, 3171, 3273, 3370
SEX DISORDERS: 593, 1079, 1455, 2181, 2648, 2775, 2936
SEX EDUCATION: 3212
SEX FACTORS: 71, 80, 111, 114, 196, 231, 236, 252, 356, 365, 374, 448, 452, 458, 493, 510, 527, 554, 649-650, 696, 749, 773, 774, 782, 791, 820, 962, 996, 1020, 1134-1135, 1141, 1194, 1223, 1248, 1271, 1300, 1311, 1578, 1613, 1738, 1746, 1785, 1891, 2057, 2070, 2077, 2174, 2183, 2188, 2213, 2257, 2281, 2332, 2382, 2463, 2494, 2571, 2604, 2621, 2643, 2776, 2827, 2851, 2893, 2899, 2953, 2957, 2988, 2990, 3013, 3027, 3111, 3129, 3142, 3152, 3208, 3237, 3311, 3429, 3559, 3586, 3641, 3726, 3818, 3949, 4002, 4008, 4041, 4130, 4137, 4268, 4287
SEX HORMONES: 102, 153, 306, 355, 458, 467, 642-643, 677, 746, 820, 919, 1003, 1706, 1803, 1926, 2513, 2524, 2952, 3098, 3251, 3279, 3311, 3824, 3961
SEX OFFENSES: 1803
SEX RATIO: 4081
SEX REVERSAL, GONADAL: 1079
SHARKS: 2206, 4136
SHEEHAN'S SYNDROME: 1562, 2435, 3435, 4143
SHEEP: 4, 12, 30, 166, 168-169, 205, 257-258, 365, 429, 495, 517, 658, 664, 669, 684, 713, 816, 881, 946, 950, 1072, 1113, 1218, 1255, 1286, 1303, 1336, 1405, 1469, 1601, 1618, 1623, 1708, 1751, 1765, 1792, 1806, 1827, 1834, 1871, 1908, 1936-1937, 2250, 2254, 2261, 2273, 2363, 2395, 2436, 2541, 2614, 2669, 2710, 2845, 2871, 2876, 2959, 2969, 2972, 3109, 3149, 3169, 3297, 3309, 3348-3349, 3367, 3489-3490, 3517, 3542, 3609, 3643, 3719, 3810, 3829, 3859, 3871, 3901, 3950, 4059, 4066, 4109, 4175, 4180, 4195, 4239
SHEEP DISEASES: 12, 3109, 3829
SHIVERING: 662, 2420, 2732
SHOCK: 1674, 2241
SHOCK, ENDOTOXIC: 142, 214, 592, 1511, 1757, 1880, 2662
SHOCK, HEMORRHAGIC: 608, 1339, 1571, 2748, 3611
SHOCK, SURGICAL: 3743, 3885
SHOCK THERAPY, ELECTRIC: 135, 1242, 3832
SHOCK, TOXIC: 3562
SHOCK, TRAUMATIC: 2470, 4011
SHOES: 2490
SHOULDER: 767, 2686, 3840, 4226
SHOULDER JOINT: 1047, 2253
SHREWS: 2097
SHRIMP: 1090
SHWARTZMAN PHENOMENON: 214, 2352
SIALOGRAPHY: 3831
SIDEROSIS: 524
SIGMOID: 1932, 2239
SIGMOID NEOPLASMS: 2600
SIGMOIDOSCOPY: 3050, 3155
SILAGE: 659
SILICA: 594, 596, 616, 1389, 1650, 3488, 3839, 3891
SILICON: 901, 3753
SILICONE ELASTOMERS: 25, 887, 1620
SILICONES: 2653, 3469, 3889, 4278
SILVER: 1287, 1993, 2533, 3011, 3031
SINGAPORE: 1913
SINGLE PERSON: 1455
SINUSITIS: 1862, 2601, 2928
SITOSTEROLS: 1512, 3787
SJOGREN'S SYNDROME: 1964, 2082
SKELETON: 3547
SKIN: 23, 59, 97, 102, 226, 288, 332, 352-353, 407, 482, 503, 727, 758, 770, 802, 813, 868, 889, 1014, 1112, 1150, 1172, 1179, 1300, 1342, 1365, 1369, 1416, 1419, 1468, 1480, 1483, 1504, 1574, 1580, 1809, 1821, 1837, 1968, 2132, 2388, 2376, 2448, 2562, 2663, 2674, 2722, 2770, 2816, 2854, 3011, 3046, 3113, 3186-3187, 3400, 3720, 3750, 3874, 3933, 3980, 3999, 4004, 4143, 4193, 4244, 4248, 4255, 4285
SKIN ABSORPTION: 128, 802, 2934, 3188, 4024, 4244
SKIN DISEASES: 398, 690, 700, 766, 802, 826, 844, 882, 1254, 1444, 1483, 1547, 1606, 2076, 2132, 2688, 2795, 3186-3187, 3415, 3622, 3628, 3720, 4067, 4137, 4263
SKIN DISEASES, INFECTIOUS: 3622, 3628
SKIN MANIFESTATIONS: 24, 111, 835, 967, 1386, 2966, 3299, 3628
SKIN NEOPLASMS: 499, 873, 1378, 1784, 1955, 2001, 2229, 2354, 2448, 2736, 2847, 2951, 3050, 3187, 3628, 3727, 3771, 4039, 4100, 4196
SKIN TEMPERATURE: 180, 503, 712, 1370, 1621, 2732, 2816, 2933, 3709
SKIN TESTS: 47, 332, 496, 1521, 1686, 1717, 1974, 2485, 2881, 2966, 3553, 3862, 4101, 4195, 4272
SKIN ULCER: 1821, 3186
SKIN WINDOW TECHNIC: 1760
SKINFOLD THICKNESS: 3432
SKULL: 82, 767, 880, 975, 1190, 1872, 24[illegible] 3649, 4295
SKULL FRACTURES: 3293, 3595
SKULL NEOPLASMS: 145, 2594, 3713
SLEEP: 178, 420, 628, 630, 680-681, 817, 1061, 1264, 1300, 1588, 2067, 2437, 2477, 2895, 2912, 2925, 3204, 3432, 3760, 3927, 3984, 4014
SLEEP DEPRIVATION: 735
SLEEP DISORDERS: 1334, 2073, 3485
SLEEP, REM: 182, 420, 630, 2477, 2700, 3451, 3485, 3961
SLEEP STAGES: 630, 735, 2067, 2477, 2[illegible] 3451
SMELL: 198, 649, 2957, 3943, 4043
SMOKING: 1041, 1156, 1174, 1300, 2202,
SNAILS: 48, 585, 1489, 1665, 2866
SNAKE BITES: 3721
SNAKES: 288, 606, 1969, 2046, 2258, 372
SOCIAL ADJUSTMENT: 2359, 2775
SOCIAL BEHAVIOR: 469, 649-650, 982, 2791-2792, 2958, 3111, 3285, 3641
SOCIAL BEHAVIOR DISORDERS: 1940
SOCIAL CLASS: 1926, 3078
SOCIAL DOMINANCE: 468-469, 2359, 29
SOCIAL ENVIRONMENT: 4161
SOCIAL ISOLATION: 832, 944, 1290, 13 2070, 2323, 2792, 2956, 3641
SOCIALIZATION: 820
SOCIETIES, SCIENTIFIC: 370, 485, 853, 3387, 4178
SOCIOECONOMIC FACTORS: 123, 1641,
SOCIOLOGY: 2964
SOCIOPATHIC PERSONALITY: 1940
SODIUM: 9, 23, 55, 122, 182, 225, 227, 439-440, 482, 493, 582-583, 633, 696, 7 736, 738, 745, 769, 819, 824, 828-830, 874, 894, 906, 911-912, 916, 926, 930, 1014-1015, 1094, 1111-1112, 1126, 1142, 1196, 1230, 1370, 1387, 1408-1409, 1425 1541, 1556, 1587, 1615, 1628, 1662, 17 1907, 1980, 1996, 2012, 2033, 2043, 20 2109, 2131, 2143, 2217, 2238, 2255, 22 2363, 2377, 2397, 2426, 2443, 2480, 25 2541, 2633, 2680, 2719, 2789, 2853-2854 2941, 3022, 3117, 3120, 3135, 3151, 31 3195, 3209, 3297, 3389, 3401, 3406, 34 3534-3535, 3612, 3642, 3668, 3677, 373 3751, 3762, 3801, 3890, 3903, 3906, 39 3916, 3986, 4055-4056, 4071, 4077, 408 4174, 4219, 4249, 4293
SODIUM CHLORIDE: 170, 421, 493, 63 778-779, 879, 926, 943, 947, 968, 1182, 1425, 1649, 1726, 1804, 2070, 2097, 22 2351, 2407, 2461, 2541, 2844, 2719, 28 3152, 3263, 3534-3535, 3574, 3648, 375 4064, 4174, 4236, 4251
SODIUM DODECYL SULFATE: 197, 2 1112, 1123, 1572, 1737, 1953, 3643, 39
SODIUM HYDROXIDE: 2508, 3083
SODIUM HYPOCHLORITE: 3675
SODIUM ISOTOPES: 227, 968, 1579, 1 3155
SOIL MICROBIOLOGY: 1568
SOLANINE: 4277
SOLUBILITY: 579, 763, 792, 1058, 130 1811, 2101, 2304, 2504, 2805, 2809, 28 3848, 3859, 3925, 4104, 4209
SOLUTIONS: 85, 778, 939, 954, 1057, 1798-1799, 2022, 2041, 2070, 2138, 22 2608, 3061, 3188, 4024
SOLVENTS: 102, 276, 474, 788, 792, 8 1250, 1578, 2649-2650, 4104
SOMATOMEDIN: 340, 924, 1000, 1074,
SOMATOSENSORY CORTEX: 107, 11
SOMATOTROPIN: 36, 151, 310, 347, 433, 508, 517, 533, 618, 636, 654, 68 799, 804, 816, 850, 863, 868, 897, 90 963-964, 1000, 1007, 1026, 1035-1036, 1289, 1345, 1375, 1406, 1461-1462, 14 1519, 1582, 1604, 1781-1782, 1790, 17 1926, 1994, 2047, 2107, 2119, 2150, 2 2291, 2317, 2361, 2372, 2411, 2427, 2461-2462, 2464, 2473, 2526, 2573, 25 2598, 2640, 3655, 2671, 2677, 2720, 2 2867, 2883, 2901, 2938, 2959, 2968, 2 3029, 3037, 3132, 3138, 3185, 3217, 3 3319-3321, 3354, 3405, 3410, 3412, 34 3481, 3542, 3546, 3567, 3577, 3606,

LIBRARY U. OF I., URBANA-CHAMPAIGN

3660, 3715, 3766, 3847, 3883, 3905,
3964, 4063, 4099, 4184, 4234
ES: 1790
850
173
2449
ICA: 1154, 2617
RICA: 2964
233
EPTION: 820, 1004

T DENTAL: 211, 555, 781, 1192,
2061, 3243, 4185, 4211
T FOREIGN: 399, 453-454, 1790,
2514, 2640
T NURSING: 77, 217, 611-612, 818,
1184, 1186, 1526, 1547, 1586, 1709,
1737, 2028, 2306, 2814, 2842, 3378,
3651, 3757, 4205
T REPRODUCTION: 3753
ECIFICITY: 23, 72, 109, 198, 243, 258,
8, 600, 664, 713, 758, 774, 780, 901,
011, 1014, 1106, 1110, 1255, 1303,
1577, 1587, 1636, 1733, 1736, 1742,
2103, 2259-2260, 2395, 2423, 2527,
2790, 2844, 2891, 2958, 3100, 3203,
3345, 3374, 3509, 3522, 3643, 3752,
3934, 3936, 3963, 4050, 4077, 4279
AVITY: 406, 1800
ANDLING: 48
TOMETRY: 172, 226, 318, 488, 540,
9, 1152, 1196, 1452, 1647-1648, 1687,
1894, 1991, 2186, 2468, 2487, 2496,
2633, 2880, 2809, 2853, 2894, 2903,
3146, 3216, 3256, 3262, 3322, 3422,
3565, 3587, 3925, 3963, 4024
TOMETRY, ATOMIC ABSORPTION:
1408, 1713, 2033, 2266, 2335, 2426,
2731, 3024, 3394, 3491, 3633, 4050,

TOMETRY, INFRARED: 540, 578,
1574, 3074, 2374, 2606, 3470, 3839
TOMETRY, ULTRAVIOLET: 220,
0, 557, 594, 668, 788, 861, 1010, 1082,
250, 1280, 1284, 1390, 1410, 1417,
1539, 1609, 1632, 1646-1648, 1650,
1733-1734, 1906, 1981, 2151, 2184,
304, 2389, 2528, 2537, 2540, 2584,
2903, 3085, 3249, 3320, 3386, 3419,
3522, 3874, 4049
NALYSIS: 276, 878, 1377, 1483,
2341, 2749, 3328, 3369, 3580
ORDERS: 2044, 3012-3013
ACITATION: 1003, 3632
CORD: 2825
CORD TORSION: 2281, 2575
ENESIS: 25, 30, 475, 921, 1005, 1017,
1295, 1419, 1673, 2049, 2220, 2254,
2907, 2932, 3133, 3548, 3652, 3656,
4276, 4506
DA: 30, 96, 264, 377, 394, 488, 625,
1, 1003, 1005, 1017, 1037, 1220-1221,
1484, 1581, 1583, 1843, 1977, 2049,
2506, 2714, 2922, 2932, 3074, 3160,
3304, 3861, 4000-4001, 4177, 4229
2287, 3513-3514
847, 3515-3516
ONE: 2346, 3715
INUS: 1436, 1526, 2961
DS: 3324
LINS: 123, 497, 521, 613, 691, 3074,

A: 4277
D: 821, 860, 1070, 1422, 1850, 1914,
379, 2790, 2858, 4203
D COMPRESSION: 2718, 2790
D DISEASES: 1190, 1776
D INJURIES: 1812, 2719, 3296
D NEOPLASMS: 538, 2962
ASES: 1006, 2469, 2576, 2764
IKES: 3340
PLASMS: 1512, 3359
VE ROOTS: 378, 538, 895, 2962, 3954
VES: 1549, 1972
CTURE: 6
7, 1855, 1947, 2005, 3235, 3547, 3779,

OUNDS: 1915
: 1154, 1686, 1748, 2210, 2328, 3291,

SPIRONOLACTONE: 411, 1021, 1142, 1825, 3342, 3872, 3903, 3906, 4078, 4096, 4247
SPLANCHNIC NERVES: 1073, 2397
SPLEEN: 17-18, 59, 63, 88, 201, 242-243, 265, 303, 330, 367, 388, 407, 495, 526, 603, 661, 727, 815, 1071-1073, 1226, 1282, 1297, 1344, 1415, 1478, 1528, 1552, 1660, 1696, 1749, 1817, 1840, 1966, 2198, 2218, 2232, 2277, 2294, 2321, 2339, 2389, 2442, 2449, 2491, 2515, 2857, 2879, 3011, 3036, 3143, 3182, 3222, 3271, 3335-3336, 3339, 3382, 3407-3408, 3490, 3550, 3619, 3719, 3740, 3748, 4002, 4006, 4020-4021, 4234, 4239, 4255, 4265
SPLENECTOMY: 63, 265, 747, 1522, 1829, 3619, 3692, 3725, 4130
SPLENIC NEOPLASMS: 3725
SPLENIC RUPTURE: 3164, 3725
SPLENOMEGALY: 417, 1053, 1829
SPONDYLITIS: 1674
SPONDYLITIS, ANKYLOSING: 893, 2679
SPONDYLOLISTHESIS: 2718
SPORES: 3497
SPORES, BACTERIAL: 3497
SPORTS: 241, 1300
SPRAINS AND STRAINS: 3069, 3685
SPREADING CORTICAL DEPRESSION: 694, 1682, 3259
SPRUE: 1454, 2100, 3500, 3684, 3822
SPUTUM: 554
SQUALENE: 3502
SQUID: 3424
SQUIRRELS: 1474, 2024, 2542, 3058
SRS-A: 1862, 2546, 3795
STAINLESS STEEL: 947, 1620, 2668, 2784, 3962
STAINS AND STAINING: 35, 81, 114, 212, 379, 427, 501, 581, 632, 759-760, 915, 934, 1026, 1202, 1283, 1287, 1353, 1541, 1614, 1636, 1857, 1956, 2298, 2355, 2412, 2478, 2503, 2505, 2533, 2564, 2784, 2813, 2820, 2879, 2978, 3014, 3129, 3166, 3663, 3673, 3739, 3784, 3867, 4193, 4201, 4256, 4258
STANOLONE: 97, 362-363, 506, 732, 810, 1158, 1275, 1304, 2154, 2233, 2381, 2384, 3287, 3505, 4000
STANOZOLOL: 1543
STAPHYLOCOCCAL INFECTIONS: 1432, 2483, 2851, 3334, 3628
STAPHYLOCOCCUS: 1674, 2272, 2401, 2563, 2945
STARCH: 1071
STARTLE REACTION: 61, 4213
STARVATION: 56, 174, 1230, 1426, 1767, 1874, 1992, 2193, 2783, 3029, 3194, 4052
STATE MEDICINE: 1820
STATISTICS: 45, 208, 335, 418, 445, 492, 609, 677, 696-697, 944, 983, 1458, 1518, 1726, 1913, 1925, 2137, 2203, 2354, 2731, 3067, 3110, 3328, 3338, 3448, 3464, 3719, 3742, 3881, 4199
STEARIC ACID: 3137
STEIN-LEVENTHAL SYNDROME: 1168, 1321, 2970, 3775, 4143, 4227
STEREOISOMERS: 1164, 1460, 2329, 2417, 2798, 4296
STEREOTAXIC TECHNICS: 145-146, 152, 175, 375, 566, 569, 572, 737, 860, 947, 992, 1004, 1059, 1087, 1307, 1480, 1546, 1550-1551, 1682, 1712, 1798, 1954, 2030, 2079, 2300, 2519, 2604, 2620, 2737, 2816-2817, 2979, 3019, 3047, 3210, 3365, 3467, 3758, 3774, 3817, 3889, 3996, 4099, 4146, 4288
STEREOTYPED BEHAVIOR: 742
STERILITY: 536, 2846
STERILITY, FEMALE: 45, 609, 677, 705, 715, 751, 936, 1122, 1168, 1293, 1913, 1921-1922, 1961, 1979, 2970, 2977, 3478, 3600, 3644, 3718, 3951, 4028, 4228, 4254
STERILITY, MALE: 264, 394, 488, 609, 771, 921, 1027, 1275, 1295, 1419, 1453, 1581, 1672, 2666, 2690, 2856, 4177, 4229, 4300
STERILIZATION, SEXUAL: 45, 609, 1913, 2964
STERILIZATION, TUBAL: 45, 3283, 3869
STERNUM: 266, 1515, 2005, 2686
STEROID HYDROXYLASES: 138, 996, 1271, 1472, 2072, 4058
STEROIDS: 246, 579, 701, 803, 897, 1272-1273, 1298, 1354, 1360, 1450, 1537, 1641, 1647-1648, 1852, 1915, 1975, 2118, 2329, 2396, 2417, 2446, 2468, 2663, 2767, 2929, 3030, 3282, 3331, 3360, 3469, 3488, 3580, 3726, 3754, 3882, 3898, 3920, 3998, 4004, 4116, 4207, 4242, 4277, 4298
STEROLS: 1269, 1609, 1850, 2484, 2528, 2929, 3345, 3419, 3502, 3787
STIGMASTEROL: 75, 3787
STILBENES: 797, 3523
STIMULATION, CHEMICAL: 3, 32, 70, 102, 119, 151, 183, 284, 344, 362, 380, 421, 433, 508, 533, 571, 636, 644, 672, 715, 754, 757, 759, 927, 1073, 1094, 1107, 1120, 1222, 1477, 1560, 1605, 1710, 1730, 1761, 1862, 1941, 1967, 2091, 2136, 2145, 2198, 2215, 2327, 2432, 2509, 2558, 2599, 2735, 2769, 2892, 2947, 2967, 2983, 3045, 3267, 3332, 3351, 3354, 3399, 3446, 3455, 3503, 3575, 3600, 3609, 3629, 3677, 3901, 3921, 3966, 4024, 4068, 4192, 4202-4203, 4219, 4236
STOMACH: 97, 201, 572, 603, 758, 1073, 1182, 1285, 1751, 2015, 2170, 2748, 3011, 3034, 3582, 3990, 4042
STOMACH DISEASES: 1515, 2946, 3299
STOMACH NEOPLASMS: 39, 560, 866, 1515, 2354, 3236
STOMACH ULCER: 324, 1069, 2058, 2869, 2946, 3025, 3034
STRABISMUS: 359, 1237, 3012, 3498
STREPTOCOCCAL INFECTIONS: 2851, 4098
STREPTOCOCCUS: 2661
STREPTOCOCCUS AGALACTIAE: 4240
STREPTOCOCCUS FAECALIS: 2426
STREPTOKINASE: 221, 2780
STREPTOMYCIN: 154, 185, 2481, 3107, 3125
STREPTONIGRIN: 796
STREPTOZOTOCIN: 1539
STRESS: 178, 355, 537, 662, 793, 932, 1126, 1139, 1174, 1403, 1474, 1621, 1688, 1711, 1848, 1894, 2019, 2064, 2077, 2165, 2167, 2193, 2425, 2470, 2536, 2717, 2754, 2757, 2765, 2783, 2920-2921, 3007, 3109, 3351, 3354, 3517, 3567, 3793, 3855, 3860, 3916, 3975, 4076, 4205
STRESS, MECHANICAL: 112, 957, 1208, 2167, 2868, 2784, 3106, 3234, 3313, 3663, 3806, 3999
STRESS, PSYCHOLOGICAL: 228, 430, 1023, 1059, 1660, 2455, 2742, 3485
STRONTIUM: 852, 961, 1500, 1800, 2335, 3064, 3209, 3676, 4160
STRONTIUM ISOTOPES: 201, 266, 451, 961, 1500, 1721, 1950, 2069, 2727, 3246, 3499, 3551
STRUCTURE-ACTIVITY RELATIONSHIP: 83, 240, 345, 387, 403, 515, 535, 568, 574, 596, 627, 682, 780, 809, 901, 1010, 1104, 1151, 1176, 1336, 1449, 1499, 1510, 1577, 1742, 1804, 1813, 1826, 1908, 1929, 2233, 2246-2247, 2329, 2372, 2377, 2417, 2446, 2467, 2493, 2501, 2529, 2903, 3072, 3317, 3390, 3866, 3902, 4004, 4017, 4122, 4153, 4191, 4278, 4296
STRYCHNINE: 2106
SUBCELLULAR FRACTIONS: 325, 334, 567-568, 627, 641, 798, 810, 977, 1044, 1112, 1273, 1335, 1513, 1618, 1698, 1796, 2117, 2153, 2187, 2547, 2584, 2676, 2996, 3085, 3135, 3734, 3763, 3848, 3925, 4248
SUBCLAVIAN VEIN: 412
SUBLINGUAL REGION: 1922
SUBMANDIBULAR GLAND: 1425-1426, 1452, 3336, 3835, 4082
SUBMARINE MEDICINE: 2438
SUBSTANTIA NIGRA: 1078, 2432, 2858, 2989, 3224, 3484, 3514
SUBTILISINS: 1544, 3349
SUCCINATE DEHYDROGENASE: 995, 1689, 2027, 2552, 2584, 2733, 3256, 3350, 3438, 3784, 3788, 3794, 3890, 4183
SUCCINATES: 4, 478, 556, 1569, 1578, 1846, 1953, 2372, 2540, 3280, 3282, 3404, 3440, 3683, 3926, 4175
SUCCINYLCHOLINE: 478, 504, 1870, 2458, 2472, 2924
SUCKING BEHAVIOR: 1113, 2269, 4031
SUCROSE: 253, 1408, 1798, 2676, 3017, 3135, 3263, 3438, 3875, 4116
SUICIDE: 3485
SULFADIAZINE: 1789
SULFAGUANIDINE: 1639
SULFAMETHOXAZOLE: 1047
SULFAMETHOXYPYRIDAZINE: 88
SULFANILAMIDE: 88, 1789, 3488, 4295
SULFATASES: 1049, 3866, 4197
SULFATES: 340, 474, 644, 649, 795, 856-857, 939, 1049, 1244, 2016, 2196, 2236, 2331, 2793, 2998, 3003, 3056, 3061, 3083, 3158, 3670, 3866, 3943
SULFATIDES: 2016
SULFENIC ACIDS: 1908
SULFHYDRYL COMPOUNDS: 3170, 3582, 3712, 4156

SULFHYDRYL REAGENTS: 1868, 2232
SULFIDES: 83, 188, 1183, 1797, 3368
SULFINPYRAZONE: 88
SULFOBROMOPHTHALEIN: 4268
SULFONAMIDES: 119, 289, 319, 1236, 1537, 3347
SULFONES: 540, 1639, 3496
SULFONIC ACIDS: 1861, 3034, 3676, 3926
SULFONYLUREA COMPOUNDS: 3201, 3407
SULFUR: 795, 3909
SULFUR DIOXIDE: 1074
SULFUR ISOTOPES: 340, 644, 856-857, 924, 1975, 2176, 2196, 2236, 2313, 2401
SULFURIC ACIDS: 393, 726, 1691, 1975, 2132
SULFURTRANSFERASES: 799, 2016
SULTHIAME: 3458
SUNBURN: 3178, 3628
SUNLIGHT: 1486, 1597, 3413, 3628
SUNSCREENING AGENTS: 3619, 3628
SUPERIOR COLLICULUS: 1287, 1493, 1906, 2133, 2286, 2533, 2993, 3129, 3210
SUPEROXIDE DISMUTASE: 1302
SUPPOSITORIES: 3870
SUPPURATION: 889, 2851, 3062, 3326
SURFACE-ACTIVE AGENTS: 318, 334, 1265, 1811, 2090, 3879, 4029
SURFACE PROPERTIES: 17, 957, 1269, 1541, 1620, 2002, 2809, 3157
SURFACE TENSION: 1269, 4169
SURGERY, MINOR: 2765
SURGERY, OPERATIVE: 874, 1743, 1870, 1932, 2616, 2765, 4149
SURGERY, PLASTIC: 1319, 3811
SURGICAL EQUIPMENT: 4278
SURGICAL INSTRUMENTS: 323, 1526
SURGICAL NURSING: 2306
SURGICAL WOUND DEHISCENCE: 2241
SURGICAL WOUND INFECTION: 1229, 2241, 2356, 3214
SUTURE TECHNICS: 3326
SV40 VIRUS: 303, 2062, 3196
SWEAT GLANDS: 1370
SWEATING: 503, 1370, 1694, 2732, 3709
SWEDEN: 1100
SWINE: 109, 115, 170, 180-181, 380, 422, 504, 509, 578, 608, 615, 660, 664, 727, 864, 881, 946, 977, 988, 1104, 1151, 1169, 1209, 1221, 1331, 1592, 1616, 1651, 1708, 1715, 1792, 1795-1796, 1842, 1907, 2155, 2190, 2193, 2260, 2425, 2520, 2537, 2613, 2702, 2750, 2780, 2808, 2894, 2954, 2984, 3076, 3140, 3398, 3405, 3410, 3412, 3475, 3643, 3667, 3678, 3841, 3855, 4095
SWINE DISEASES: 2425, 3855
SWITZERLAND: 1563, 2006, 3112, 3212
SYMPATHECTOMY: 31, 349, 584, 1066, 2285, 2943, 4236
SYMPATHETIC NERVOUS SYSTEM: 202, 349-350, 507, 676, 941, 1023-1024, 1176, 1370, 1634, 1812, 1847, 1890, 1972, 2015, 2039, 2058, 2215, 2223, 2470, 2472, 2849, 3226, 3550, 3669, 3672, 3749, 4145, 4171, 4236
SYMPATHOLYTICS: 809, 1743, 1817, 1825
SYMPATHOMIMETICS: 1368, 1695, 1817, 2420, 2735, 3456
SYNAPSES: 179, 344, 346, 1070, 1422, 1448, 1451, 1697, 2014, 2569, 3129, 3176-3177, 3209, 3758, 4152
SYNAPTIC MEMBRANES: 1549, 1617, 3350
SYNAPTIC VESICLES: 35, 256, 301, 1617, 1656, 1802, 1851, 2570, 3128
SYNAPTOSOMES: 301, 1795, 1851
SYNCOPE: 983
SYNDACTYLIA: 1836, 2562
SYNDROME: 133, 185, 222, 232, 235, 397-398, 428, 657, 687, 767, 1036, 1136, 1289, 1295, 1313, 1334, 1472, 1522, 1569, 1645, 1763, 1771, 1787, 1918, 1971, 2042, 2136, 2281, 2342, 2416, 2469, 2708, 2775, 2801, 2819, 2983, 3010, 3284, 3299, 3554, 3650, 3671, 3727, 3790, 3942, 4035, 4039, 4067, 4088, 4154, 4287
SYNOVIAL FLUID: 1350, 1558, 2330, 2654, 4258
SYNOVIAL MEMBRANE: 1350, 2914, 3003
SYNOVIOMA: 2083, 3126
SYNOVITIS: 1350, 2098, 2330, 2718, 3003, 4258
SYPHILIS: 1542
SYPHILIS, CONGENITAL: 1542
SYPHILIS SERODIAGNOSIS: 1542
SYRINGOMYELIA: 1950
TABLETS: 1691, 2809
TACHYCARDIA: 1434, 1540, 3000, 3214, 3924, 4200
TACHYPHYLAXIS: 1837, 3456
TAIL: 207, 1949, 2005, 3750, 4255
TAIWAN: 942, 1649, 4199
TANNINS: 1594
TAPE RECORDING: 3700
TARSAL JOINT: 4258
TARTRATES: 1473
TASTE: 65, 198, 253, 926, 1210, 1798-1799, 1917, 2070, 2106, 2242, 3263-3264, 3300, 4148
TASTE BUDS: 2106
TAURINE: 226
TAUROCHOLIC ACID: 3813-3814, 4057
TEARS: 4165
TECHNETIUM: 1364, 1758, 2050, 2283, 2632, 3403, 4190, 4220
TECHNOLOGY, PHARMACEUTICAL: 3307
TECHNOLOGY, RADIOLOGIC: 101, 891, 1098, 3197, 3626
TEGMENTUM MESENCEPHALI: 620, 622, 992, 1059, 2556, 3210, 3578
TELANGIECTASIS: 631, 2843, 4285
TELENCEPHALON: 349, 1681, 2133, 4068, 4194, 4212-4213
TELEPHONE: 4199
TELEVISION: 891, 3742, 4199
TEMPERATURE: 64, 73-74, 152, 180, 190, 233, 286, 363, 390, 569, 617, 633, 668, 686, 798, 847, 939, 1002, 1057, 1123, 1431, 1474, 1480, 1505, 1633, 1734, 1848, 1868, 1873, 1967, 2138, 2232, 2259, 2326, 2328, 2372, 2528, 2539, 2565, 2818, 2715, 2721, 2750, 2844, 2891, 2899, 2941, 3133, 3350, 3364-3365, 3432, 3472, 3570, 3609, 3625, 3733, 3741, 3780, 3964, 3982, 3986, 4025, 4074, 4118
TEMPERATURE SENSE: 712
TEMPLATES: 810, 1131, 1795, 3798, 3973
TEMPORAL ARTERITIS: 1815
TEMPORAL BONE: 1542, 2007
TEMPORAL LOBE: 107, 2067, 2221, 2595
TENDINITIS: 2679, 3840
TENDON INJURIES: 957
TENDONS: 3323, 4226
TENDONS, PARA-ARTICULAR: 957
TENOSYNOVITIS: 3312
TEPA: 3652
TERATOID TUMOR: 7, 19, 266, 343, 437, 834, 1025, 1147, 1203, 1948, 1955, 2189, 2345, 3579, 3769, 3778, 3888, 4133
TERPENES: 578
TERRITORIALITY: 3817
TESTICULAR DISEASES: 70, 394, 444, 648, 1027, 1295, 1672, 2281, 3168, 3888, 4278
TESTICULAR FEMINIZATION: 222, 699, 1055, 1262, 1319, 1782, 2320, 2484, 2840, 3508, 3671, 3718, 3781
TESTICULAR NEOPLASMS: 7, 266, 343, 437, 648, 699, 834, 1147, 1203, 1333, 1865, 1948, 2034, 2051, 2354, 2380, 2575, 2847, 3175, 3242, 3579, 3776, 3888, 3991, 4133, 4263
TESTIS: 25, 30, 98, 113-114, 143, 162, 167, 173, 183, 207, 224, 235, 242-243, 250, 264, 271, 292, 318, 396, 506, 580, 625, 732, 750, 797, 840, 847, 854, 877, 885, 904, 915, 921, 1005, 1011, 1017, 1037, 1055, 1134, 1158, 1180, 1202, 1295, 1303, 1310, 1319, 1343, 1375, 1420, 1453, 1523, 1531, 1555, 1574, 1583, 1673, 1696, 1724, 1742, 1770, 1788, 1827, 1831, 1901, 1907, 1948, 1953, 1977, 1992, 1995, 1997, 2027, 2049, 2051, 2160, 2201, 2220, 2254, 2256, 2259-2261, 2270, 2294, 2303, 2320, 2324, 2344, 2380, 2398, 2403, 2474, 2506, 2537, 2598, 2609, 2666, 2676, 2714, 2747, 2770, 2779, 2825, 2838, 2841, 2857, 2885, 2891, 2909, 2913, 2922, 2930, 2932, 2965, 2979, 2983, 3045-3046, 3074, 3114, 3129, 3133, 3150, 3165, 3168, 3171, 3175, 3208, 3213, 3226-3228, 3270, 3370, 3409, 3416, 3439-3440, 3442, 3477, 3495, 3522, 3548, 3584, 3608, 3656, 3736, 3740, 3754, 3809, 3838, 3861, 3955, 3962, 3964, 3994, 4001-4002, 4029, 4058, 4093-4095, 4177, 4186-4187, 4195, 4217, 4229, 4300
TESTOLACTONE: 3558, 4168
TESTOSTERONE: 10, 25, 70, 80-81, 100, 143, 234, 252, 271, 362-363, 367, 373, 432, 464, 495, 506, 607, 698, 732, 746, 794, 797, 802, 820, 858, 863, 910, 948, 965, 976, 996, 1001, 1049, 1055, 1105-1106, 1114, 1116, 1134-1135, 1155, 1158, 1183, 1193, 1264, 1271, 1288, 1304, 1311, 1368, 1390, 1424, 1477, 1504, 1525, 1553, 1578, 1603, 1724, 1752, 1782, 1831, 1842, 1878, 1955, 1970, 1973, 1995, 1997, 2052, 2070, 2182, 2187, 2201, 2219, 2224, 2233, 2257, 2270, 2302, 2305, 2323, 2369, 2381-2382, 2384, 2389, 2394, 2398, 3446, 2484, 2533, 2568, 2571, 2599, 2604, 2650, 2669, 2707, 2747, 2779, 2807, 2840, 2891, 2936, 2957, 2967, 2979, 3004, 3045, 3056, 3111, 3129, 3134, 3210, 3213, 3225, 3234, 3273, 3287, 3370, 3442, 3454, 3466, 3479, 3503, 3584, 3624, 3630, 3670, 3697, 3700-3701, 3754-3755, 3789, 3817, 3824, 3865, 4000-4001, 4004, 4029, 4058, 4062, 4110, 4143, 4207, 4209, 4244
TETANUS TOXIN: 2469
TETANY: 736, 2393, 2953, 2994, 3214
TETRABENAZINE: 916
TETRACAINE: 395, 4118
TETRACYCLINE: 954, 1454, 1483, 1541, 2782, 2784, 2797, 3106, 3307, 3479, 3941, 4124
TETRAHYDROCANNABINOL: 65, 944, 3355
TETRAHYDROCORTISOL: 246, 594, 2248, 2279
TETRAHYDROCORTISONE: 246, 594, 2248
TETRAHYDROFOLATE DEHYDROGENA
TETRAHYDROFOLATES: 3380
TETRAHYMENA PYRIFORMIS: 4003
TETRALOGY OF FALLOT: 2073, 2172,
TETRAZOLES: 2820
TETRAZOLIUM SALTS: 894, 2499
TETRODOTOXIN: 395, 522, 662, 3209,
THAILAND: 45, 2992, 3283
THALAMIC NUCLEI: 35, 2221, 2620,
THALAMUS: 349-350, 982, 1121, 1480,
1916, 2570, 2595, 2849, 3514, 3533,
3962
THALIDOMIDE: 1836
THALLIUM: 4048
THECA CELL TUMOR: 684, 4107
THEOBROMINE: 2106
THEOPHYLLINE: 311-312, 478, 506,
1151, 1180, 1475, 1556, 1560, 1666,
1766, 1786, 1895, 1924, 1928, 2062,
2166, 2200, 2228, 2357, 2400, 2534,
2734, 2892, 3170, 3230, 3294-3295,
3853, 4072, 4156, 4171, 4259
THERMAL CONDUCTIVITY: 2314,
THERMODYNAMICS: 3625
THERMOGRAPHY: 2314
THERMOLYSIN: 480, 1544, 3780
THERMOMETERS: 569
THIAMINE: 1288, 1531, 2581
THIAMINE DEFICIENCY: 509, 1531,
THIAMINE PYROPHOSPHATE: 931,
THIAMYLAL: 479, 1245
THIAZINES: 2296
THIAZOLES: 3470
THIGH: 3695
THINKING: 4208
THIOACETAMIDE: 204
THIOCARBAMATES: 822, 916, 2999,
3336, 4006
THIOCYANATES: 23, 59, 72, 188, 410
546, 1015, 1040, 1502, 1544, 1639,
1931, 2074, 2110, 2207, 2388, 2733,
3325, 3496, 3540, 3780, 3909, 3925-
THIOGLYCOLATES: 972, 1607
THIOGUANINE: 701, 3380, 3386, 4275
THIOHYDANTOINS: 1040, 3738
THIOPENTAL: 1743, 1870, 2638
THIOPHENES: 1679, 3316
THIO-TEPA: 2524, 3616
THIOURACIL: 211, 233, 325, 328, 157
1955, 2138, 2196, 2231, 2418-2419,
THIOUREA: 325, 327, 478, 864, 939,
1181, 1206, 1789, 1868, 1949, 2074,
2887, 2940, 3040, 3963
THIOURIDINE: 1728
THIRST: 569, 1798-1799, 2300, 3120,
THORACIC DISEASES: 2053, 3553
THORACIC DUCT: 97, 1678
THORACIC NEOPLASMS: 886, 3553,
THORACIC RADIOGRAPHY: 534
THORACIC VERTEBRAE: 371, 2576,
3340, 3359
THORAX: 1812, 2308, 3067, 3695
THORIUM DIOXIDE: 1960
THREONINE: 2559, 3257, 3990
THROMBELASTOGRAPHY: 1576, 399

LIBRARY U. OF I. URBANA-CHAMPAIGN

538, 1594, 2780, 2900, 2998
TOSIS: 3698
BOLISM: 221, 338, 462-463, 477, 490, 4271
NIA: 391, 613, 1835, 2483, 2590, 3341, 4363
LEBITIS: 412, 462, 486, 1315, 2555, 3512, 3493, 4045
ASTIN: 1642, 3593
IETIN: 1329-1330
: 90, 1594, 1627, 1642, 1947, 2319, 3186, 3493, 3743, 3900, 4046, 4115
Y: 281, 436, 1416, 1528, 2102, 2183, 3278, 3980
14, 108, 154, 351, 535, 591, 652, 902, 1689, 1878, 1884, 1900, 1924, 2047, 2254, 2279, 2294, 2439, 2485, 2798, 3437, 3446, 3635, 3763, 3798, 4021, 4301
XINASE: 3260
3, 2138, 3437
UCLEOTIDES: 351, 985, 4121
8
06, 538, 1315, 2071, 2115, 2183, 2214, 3290, 3711, 3877, 3980
AND: 8, 66, 199, 204, 389, 495, 661, 637, 863, 1071, 1238, 1528, 2047, 2449, 2690, 2879, 3122, 3143, 3337, 3748, 3879, 4020, 4065, 4113, 4222,

PERPLASIA: 261, 2476, 3877
OPLASMS: 19, 261, 305, 538, 1283, 3071, 3115, 3183, 3448, 3872, 3122, 3980
TONIN: 103, 171, 331, 385, 510, 754, 71, 1185, 1209, 1227, 1270, 1347-1348, 1565, 1589, 1735, 1816, 1833, 1875, 3416, 3452, 3462, 2509, 2870, 3328, 3761, 3788, 4009, 4032
ULIN: 54, 547, 739, 846, 861, 959, 2374, 2992, 3043, 3262, 3352, 3643, 4042, 4060, 4163
AL CYST: 3197
TAGONISTS: 37, 1018, 1045, 1638, 2176, 2548, 2588, 3031, 3151, 3452
ISIS: 2191
SEASES: 94, 218, 293, 297, 307, 329, 672, 749, 846, 1261, 1340, 1364, 717, 1745, 1994, 2021, 2169, 2213, 2563, 2574, 2615, 2721, 2739, 2833, 3253, 3418, 3486, 3825, 3843, 934, 3946, 4051, 4060, 4089, 4220
AND: 31, 37, 46, 64, 69, 94, 104, 188, 193, 203, 205, 218, 260, 263, 334, 336, 348, 360, 368, 400, 445, 607, 647, 665, 672-673, 713, 750, 760-762, 787, 815, 843, 846, 908, 928, 958, 967, 998, 1036, 1045, 1060, 1194-1195, 1201, 1256, 1326, 1332, 1343, 1375-1376, 1452, 1538, 1621, 1639, 1654, 1703, 1722, 1736, 1789, 1791, 1834, 1857, 1873, 1902, 1985, 2016, 2024, 2050, 2055, 2095, 2167, 2176, 2180, 2184, 2196, 31, 2263, 2344, 2349, 2418, 2478, 2508-2510, 2520, 2552-2553, 2586, 2589, 2656, 2700, 2739, 2759, 2833, 2837, 2927, 2937, 2973, 3052, 3063, 3080, 3151, 3190, 3197, 3201, 3253, 3268, 3302, 3353, 3486, 3531-3532, 3537, 3643, 3677, 3801, 3696, 3899, 3750, 3812, 3825, 3842, 3856-3857, 3947, 4038, 4042, 4060-4061, 4064, 4092, 4163, 4173, 4239, 4279, 4289
AND FUNCTION TESTS: 69, 140, 368, 440, 528, 646, 672, 752, 844, 960, 1109, 1194, 1340, 1364, 1380, 1484, 1497, 1503, 1583, 1582, 1591, 1744-1745, 1747, 2050, 2128, 2136, 2275, 2349, 2548, 2574, 2580, 2589, 2731, 2830, 2837, 2993, 3027, 3070, 3201, 3432, 3463, 3474, 3486, 3526, 3680, 3691, 3697, 3729, 3772, 3791, 3938, 3947, 4038, 4064, 4089, 4092, 4220
RMONES: 31, 37, 46, 120, 177, 185, 315, 345, 348, 787, 1056, 1308, 1351, 1412, 1706, 1722, 1789, 1801, 2655, 2778, 2837, 2873, 2915, 2952, 3027, 3088, 3095, 3136, 3192, 3262, 3452, 3486, 3660, 3825, 3896

THYROID NEOPLASMS: 39, 94, 218, 328, 384, 427, 455, 526, 561, 673, 739, 754, 768, 837, 922, 956, 959, 1052, 1332, 1352, 1364, 1380, 1497, 1735, 1746, 1772, 1875, 1955, 2001, 2021, 2083, 2095, 2130, 2176, 2195, 2235, 2416, 2486, 2509, 2516, 2552-2553, 2686, 2899, 2863, 3126, 3142, 3156-3157, 3180, 3189, 3215, 3359, 3403, 3452, 3465, 3486, 3626, 3684, 3713, 3935, 4033, 4035, 4051, 4102, 4159, 4286

THYROIDECTOMY: 46, 177, 205, 273, 297, 348, 384, 539, 561, 665, 749, 758, 816, 837, 856, 868, 902, 956, 958, 1022, 1201, 1376, 1610, 1735, 2016, 2055-2056, 2125, 2169, 2191, 2306, 2554, 2586, 2616, 2638, 2656, 2855, 2923, 2966, 3036, 3054, 3088, 3205, 3223, 3278, 3403, 3452, 3530, 3599, 3604, 3812, 3828, 3843, 3935, 4007, 4091, 4253, 4286, 4289

THYROIDITIS: 218, 297, 526, 673, 1346, 1746, 2095, 2553, 2833, 2851, 3032, 3278, 3352, 3452, 3979, 4061

THYROIDITIS, LYMPHOMATOUS: 547-548, 673, 986, 1045, 1746, 1990, 2553, 2833, 3032, 3452, 3527, 3825, 4060-4061, 4115, 4286

THYRONINE: 1051, 1747, 2588, 3036

THYROTROPIN: 46, 64, 131, 140, 218, 229, 263, 273, 307, 315, 334, 355-356, 400, 405, 445, 454, 519, 570, 646, 672-673, 684, 713, 787, 816, 850, 856, 868, 902, 1035, 1108, 1149, 1241, 1351, 1363, 1375, 1406, 1503, 1519, 1563, 1703, 1736, 1761-1762, 1791, 1796, 1871, 1873, 1895, 1928-1929, 1938, 1941, 2055, 2119, 2167, 2169, 2184, 2213, 2263, 2349, 2473, 2509, 2549, 2554, 2589, 2638-2639, 2641, 2759, 2807, 2824, 2830, 2837, 2993, 3014, 3037, 3080, 3132, 3169, 3192, 3302, 3526-3527, 3542, 3567, 3571, 3677, 3691, 3699, 3818, 3832, 3841, 3894-3895, 4074, 4122, 4139, 4257

THYROTROPIN RELEASING FACTOR: 131, 218, 229, 263, 276, 346, 355, 445, 454, 515, 647, 672, 756, 804, 850, 878, 909, 1035, 1108, 1326, 1328, 1355, 1405, 1445, 1519, 1703, 1738, 1761-1762, 1791, 1871, 1938, 2136, 2213, 2589, 2638, 2640-2641, 2659, 2794, 3037, 3080, 3302, 3315, 3526, 3530, 3691, 3832, 3894, 3905, 3937, 3988, 4122, 4134-4135

THYROXINE: 37, 136, 140, 190, 203, 205, 273, 307, 315, 335, 355, 400, 405, 440, 482, 526, 544, 570, 618, 646-647, 863, 868, 958-959, 1070, 1108, 1118, 1256, 1266, 1270, 1280, 1351, 1376, 1406, 1503, 1513, 1558, 1582, 1591, 1693, 1734, 1736, 1745, 2055-2056, 2086, 2136, 2144, 2170, 2178, 2191, 2206, 2213, 2275, 2462, 2487, 2492, 2509-2510, 2574, 2589, 2597, 2613, 2638, 2721, 2776, 2778, 2830, 2837, 2873, 2899, 2901, 2903, 2927, 2993, 2996, 3036, 3080, 3088, 3096, 3119, 3192, 3205, 3240, 3243, 3262, 3315, 3333, 3525-3527, 3530-3531, 3571, 3590, 3592, 3631, 3691, 3716, 3750, 3812, 3818, 3841, 3847, 3895, 3922, 3937, 3946, 3977, 3979, 4007, 4038, 4089, 4092, 4117

THYROXINE-BINDING PROTEIN: 218, 307, 381, 1002, 1194, 1351, 1591, 1596, 1661, 1733, 2050, 2136, 2487, 2574, 2873, 3096, 3243, 3531, 4089

TIBIA: 244, 257, 644, 880, 905, 929, 1246, 1369, 1400, 1414, 1611, 1677, 1855, 2314, 2368, 2718, 2972, 3105-3106, 3234-3235, 3313, 3328, 3417, 3499, 3547, 3849, 3826, 3834, 4009, 4034, 4258

TIBIAL FRACTURES: 3105

TIC: 2648

TICKS: 330, 3487

TIME FACTORS: 13, 17, 25, 28, 49-50, 53, 66-67, 73, 89, 95, 97, 99, 103, 125, 159, 161-162, 164, 166, 169, 186-187, 190, 192, 202, 205, 208, 214, 221, 223-224, 226-227, 231, 233, 239, 250-251, 262, 287, 271, 278, 286, 296-297, 305, 318, 320, 331, 335, 341, 354, 357, 361-362, 364, 376-377, 385, 388-389, 392-393, 407, 411, 414, 419, 429, 433-434, 436, 438, 444-446, 461, 472, 474, 476, 486-487, 489, 492, 500, 512, 520, 522, 535, 537, 545, 552, 564, 584, 586, 596, 609, 626, 630-631, 633, 642-643, 647, 656, 662, 680, 682, 686, 694, 711, 714, 730, 732, 734, 736, 751, 753, 757, 771, 776, 782, 790, 798-799, 810, 813, 816, 822, 825, 837-838, 854, 859, 861, 886-887, 892-893, 895, 902, 912, 915-917, 932-933, 943-945, 950, 952, 954, 956, 963, 976, 991, 997, 999, 1007, 1009, 1017, 1019, 1035, 1057, 1087, 1093, 1099, 1103-1104, 1110, 1118, 1142, 1145-1146, 1153, 1157, 1167, 1176, 1183, 1194, 1200, 1212, 1228-1229, 1234-1235, 1254, 1264, 1267, 1277, 1283, 1293, 1299, 1301, 1311, 1327, 1344, 1352-1353, 1368, 1370-1371, 1387, 1390, 1396, 1400, 1403, 1408, 1410, 1413, 1420, 1425-1426, 1429, 1431, 1439-1440, 1443, 1447-1450, 1452, 1458, 1462, 1483-1484, 1494, 1513-1514, 1518, 1525, 1545, 1552, 1559, 1565-1566, 1579, 1581, 1589, 1595, 1597, 1600, 1602, 1612, 1623, 1626-1627, 1633, 1686, 1688, 1692-1694, 1698, 1702, 1710, 1713, 1725, 1734, 1750-1751, 1764, 1770, 1778, 1794, 1799, 1839, 1842, 1847, 1849, 1853, 1856, 1859, 1868-1869, 1872, 1876, 1882, 1884, 1886, 1888, 1894, 1904, 1912, 1921-1922, 1962, 1966-1967, 1970-1971, 1973, 1976, 1978, 1981, 1985, 1991, 2014, 2031, 2033, 2037, 2043, 2047, 2049, 2052, 2057, 2063, 2068, 2077, 2082, 2102, 2111, 2119, 2131, 2142, 2147, 2153, 2156, 2162, 2174, 2177-2178, 2184, 2186, 2197, 2200, 2215, 2228, 2233, 2254, 2256, 2269, 2278, 2295, 2298, 2301-2302, 2307, 2312, 2314, 2316-2318, 2325-2328, 2338, 2355, 2357, 2367, 2370, 2372, 2379, 2390, 2407, 2410, 2422, 2425, 2431, 2446, 2449-2450, 2454-2456, 2465, 2469 2472, 2477, 2489, 2495, 2497, 2501, 2508, 2511, 2517, 2519, 2525, 2530, 2538, 2543, 2549-2551, 2554, 2560, 2565, 2567, 2573, 2578-2579, 2584, 2609, 2612, 2618, 2621, 2626, 2633, 2636, 2647, 2652, 2655, 2658, 2669, 2678, 2688, 2700, 2702, 2711, 2715, 2719-2720, 2732, 2734, 2746, 2751, 2755, 2757-2758, 2766, 2768, 2772, 2794, 2800, 2818, 2821, 2835, 2864-2865, 2867, 2875-2876, 2880, 2882, 2885, 2894, 2907, 2910, 2913, 2920-2921, 2924, 2932, 2937, 2954, 2967, 2971, 2973, 2975, 2980-2983, 2990, 2998-2999, 3028, 3038, 3044, 3062, 3064-3065, 3090, 3094, 3103, 3106, 3138, 3148, 3151, 3170, 3172, 3178, 3185, 3188, 3193, 3195-3196, 3199, 3205-3206, 3214, 3229, 3238, 3245, 3247, 3249, 3252, 3261, 3270, 3276, 3283, 3288, 3296, 3298-3299, 3301, 3303, 3311, 3319-3320, 3335, 3338-3339, 3341, 3350, 3404, 3407-3408, 3412, 3431, 3443, 3446, 3458, 3462, 3464, 3468, 3480, 3498, 3502, 3507, 3512, 3517, 3525, 3528, 3531, 3534, 3543, 3548, 3552, 3560, 3563-3564, 3566, 3570, 3574, 3586, 3589, 3594, 3601, 3603, 3616, 3618, 3631, 3634, 3638, 3644, 3646, 3672, 3690, 3695-3696, 3703-3704, 3707-3708, 3719, 3726, 3737, 3741, 3745, 3748, 3755, 3759-3760, 3763, 3794-3795, 3802, 3810, 3815, 3818, 3834, 3848, 3850, 3864, 3869, 3875, 3879, 3908, 3949, 3958-3959, 3990, 3994, 4003, 4007, 4011-4012, 4032, 4041, 4045, 4050, 4058-4059, 4065, 4074, 4083, 4085, 4090, 4092, 4113, 4128-4130, 4137, 4156, 4172, 4176, 4193, 4196, 4206, 4210, 4227, 4232, 4238-4239, 4244, 4246, 4248-4249, 4255, 4257-4258, 4268, 4270, 4297

TIN: 3369

TINEA: 2376, 2563, 3820

TINEA VERSICOLOR: 3178, 3820

TINNITUS: 1632

TISSUE ADHESIVES: 1208, 2784, 3663

TISSUE CULTURE: 153, 223, 421, 845, 1106, 1206, 1318, 1476, 1490, 1509, 1741, 1853, 1941, 2132, 2276, 2479, 2517, 2826, 2978, 3152, 3411, 3581, 4001, 4020, 4187

TISSUE DONORS: 231, 436, 4210

TISSUE EXTRACTS: 131, 151, 428, 517, 594, 658, 943, 1331, 1354, 1741, 1937, 2169, 2280, 2287, 2325, 2395, 2509, 2587, 2653, 2880, 2885, 2935, 2959, 3075, 3315, 3405, 3422, 3427, 3472, 3794, 4001

TISSUE PRESERVATION: 2560-2561, 3890

TISSUE SURVIVAL: 260, 2561

TITANIUM: 1208, 1620, 2668, 2784

TOADS: 2131, 2206, 2899

TOE JOINT: 1353

TOES: 1353, 2718

TOLBUTAMIDE: 1532, 2391, 2405, 3038, 3201

TOLUENE: 2299, 4104, 4203

TOLUIDINES: 3042, 4065

TOMOGRAPHY, RADIOGRAPHIC: 1098, 1190, 1406, 2645, 3001, 3553, 3782

TONGUE: 1136, 1338, 3300

TONOMETRY: 3044, 4075

TONSIL: 837, 1044, 3007, 4165

TONSILLAR NEOPLASMS: 866, 2594

TONSILLECTOMY: 1606, 2583, 4165

TONSILLITIS: 2414, 2583, 2601

TOOTH: 71, 97, 242-243, 727, 905, 912, 1473, 3635, 3941, 4009, 4160

TOOTH CALCIFICATION: 2797

TOOTH, DECIDUOUS: 2146, 2243

TOOTH ERUPTION: 61, 71, 905, 1473
TOOTH EXTRACTION: 211
TOOTH GERM: 555, 1611
TOOTH MOBILITY: 3747
TOOTH RESORPTION: 2146
TORSION: 1412
TOUCH: 198, 1121, 2791-2792
TOXICOLOGY: 1018, 2934, 3496
TOXIFERINE: 2472
TOXINS: 1967, 2088, 3513, 4221
TOXOHORMONE: 1322
TRACHEA: 1834, 2606, 3108, 4198
TRACHEAL NEOPLASMS: 4198
TRACHEITIS: 2601, 3785
TRACTION: 3164
TRANQUILIZING AGENTS: 135, 402, 441, 1679, 1743, 2044, 2121, 2234, 2458, 2729, 2895, 2918, 3496, 3863, 4242
TRANSCORTIN: 494, 2617, 2694, 3315, 3883, 3898, 3934
TRANSCRIPTION, GENETIC: 105, 345, 965, 1131, 1201, 2607, 3366
TRANSDUCERS: 470, 2045, 2662, 3521
TRANSDUCTION, GENETIC: 269, 1577, 3366
TRANSFERASES: 3970
TRANSFERRIN: 1232, 3506
TRANSILLUMINATION: 2932
TRANSLATION, GENETIC: 345, 408, 1814, 2607, 3457
TRANSPLANTATION, AUTOLOGOUS: 131, 166, 168, 407, 633, 637, 1226, 1872, 2993, 3945, 4090, 4193, 4241
TRANSPLANTATION, HETEROLOGOUS: 666, 1267, 3944
TRANSPLANTATION, HOMOLOGOUS: 8, 39, 59, 66, 174, 231, 254, 407, 436, 460, 637, 845, 892, 955, 1153, 1167, 1257, 1283, 1299, 1415-1416, 1419, 1422, 1515, 1576, 1777, 1896, 2026, 2174, 2218, 2237, 2307, 2371, 2448, 2493, 2517, 2560-2561, 2765, 2795, 3046, 3232, 3278, 3323, 3408, 3454, 3620-3621, 3711, 3748, 3809, 3842, 3928, 4005, 4021, 4028, 4090, 4100, 4168, 4210, 4255
TRANSPLANTATION IMMUNOLOGY: 436, 1167, 1678, 3046, 3232, 3408, 3748, 4255
TRANSPORT OF WOUNDED AND SICK: 4138
TRANSSEXUALISM: 1803
TRANYLCYPROMINE: 1078, 1159, 1654
TREES: 3920
TREMATOD/ : 1489, 1665, 2798
TREMATOD_ INFECTIONS: 2866
TREMOR: 36, 1334, 1414, 3521, 3924
TREPHINING: 2087
TREF NEMA IMMOBILIZATION TEST: 1542
TRIA :ETYLOLEANDOMYCIN: 938
TRIAMCINOLONE: 164, 559, 2173, 2237, 2253, 2364, 2736, 2934, 3067, 3145, 3570, 3695, 4211
TRIAMCINOLONE ACETONIDE: 1, 407, 450, 512, 1272, 1491, 1732, 2134, 2358, 2376, 2551, 2684, 3178, 3323, 3374, 3570, 3969, 4232, 4248
TRIAMTERENE: 3067, 4096
TRIAZINES: 656, 3803
TRIAZOLES: 1789
TRIBROMOETHANOL: 2269, 4030-4031
TRICHINELLA: 776
TRICHINOSIS: 776
TRICHLOROACETIC ACID: 334, 1977, 2170, 2372, 3780
TRICHOMONAS VAGINALIS: 652
TRICHOMONAS VAGINITIS: 1358
TRICHOPHYTON: 2376
TRIETHYLENE MELAMINE: 2907
TRIGEMINAL NERVE: 378, 3782
TRIGEMINAL NEURALGIA: 3724
TRIGLYCERIDES: 259, 300, 567-568, 763, 825-826, 951, 963-964, 1234, 1301, 1420, 1740, 1911, 1976, 2507, 2624, 2915, 2929, 2988, 2991, 3305, 3345, 3418, 3476, 3504, 3608, 3693, 3787, 3813, 4116
TRIHEXYPHENIDYL: 29
TRIIODOTHYRONINE: 37, 136, 273, 315, 348, 440, 492, 544, 646, 671, 674, 844, 863, 919, 959, 1019, 1035, 1056, 1115, 1201, 1266, 1514, 1661, 1744, 2136, 2178, 2487, 2492, 2589, 2641, 2731, 2778, 2873, 3080, 3088, 3192, 3262, 3527, 3590, 3631, 3691, 3841, 3937, 3979, 3999, 4007
TRIMETHOPRIM: 1047
TRIOLEIN: 2173
TRIPARANOL: 2311, 4096
TRIPELENNAMINE: 216, 4073
TRIPLETS: 282
TRIPROLIDINE: 4073
TRISOMY: 21, 1145, 1652, 2564, 3060, 3245
TRITIUM: 4, 50, 57, 64, 91, 97, 108, 110, 125, 154, 186, 227, 234, 239-240, 271, 278, 296, 298, 318, 327, 348, 351, 363, 372, 380, 393, 408, 414, 422, 471, 474, 476, 494, 497, 506, 535, 539, 564, 586, 591, 602-603, 606, 627, 641, 643, 656, 665, 682, 726, 761, 788, 804, 810, 858, 901-902, 909-910, 945, 949, 965, 996, 1032, 1049, 1089, 1107, 1112, 1116-1118, 1123, 1125, 1131, 1134, 1158, 1177, 1201, 1230, 1272-1274, 1276, 1284, 1304, 1308, 1310, 1318, 1322, 1355, 1390, 1398, 1403, 1468, 1485, 1510, 1517, 1525, 1527, 1534, 1539, 1549, 1553, 1572, 1577-1578, 1600, 1624, 1630, 1632, 1659, 1706, 1715, 1737, 1785, 1796, 1802, 1810, 1813-1814, 1832, 1850, 1878-1879, 1884, 1900-1901, 1912, 1914, 1924, 1928, 1962, 1970, 1973, 1975, 2047, 2051, 2072, 2111, 2124, 2131, 2139, 2153, 2184, 2187, 2226-2227, 2233, 2254, 2274, 2276, 2279, 2286-2287, 2293-2294, 2303, 2318, 2357, 2372, 2377, 2384, 2401, 2424-2425, 2439, 2456, 2474, 2485, 2495, 2498, 2508, 2518, 2533, 2537, 2547, 2558, 2584, 2619, 2676, 2680, 2691, 2694, 2711, 2798, 2812, 2891, 2935, 2974, 2978, 2982, 2985, 3017, 3048, 3056, 3065, 3108, 3170, 3172, 3196, 3208, 3213, 3217, 3229-3230, 3287, 3315, 3323, 3331, 3335, 3337, 3342, 3364, 3371, 3411-3412, 3414, 3437, 3468, 3497, 3505, 3515-3516, 3570, 3577, 3584, 3635, 3655, 3661-3662, 3670, 3693, 3703, 3710, 3712, 3740, 3752, 3763, 3783, 3798, 3821, 3866, 3886, 3891, 3898, 3904, 3919, 3937, 3968, 4003, 4021, 4025, 4029, 4037, 4053, 4058, 4062, 4097, 4113, 4116, 4121, 4147, 4167, 4183, 4187, 4196, 4201, 4238, 4244-4245
TRITURUS: 291, 2318
TROMETHAMINE: 59, 504, 1383, 3661-3662
TROPANES: 1296, 2585
TROPHOBLAST: 979, 1668, 3140, 3483, 3601
TROPHOBLASTIC TUMOR: 159, 513, 2950
TROPICAL CLIMATE: 657
TRYPAN BLUE: 1283
TRYPSIN: 23, 72, 237, 363, 379, 404, 472, 480, 501, 517, 692, 915, 1104, 1544, 1648, 1741, 1907-1908, 1931, 2026, 2110, 2260, 2293, 2357, 2374, 2412, 2506, 2627, 3033, 3206, 3331, 3339, 3348-3349, 3352, 3540, 3588, 3614, 3734, 3780, 4246
TRYPSIN INHIBITORS: 2780, 3206, 4073, 4214
TRYPSINOGEN: 651
TRYPTAMINES: 20, 299, 729, 1366, 1527, 1595, 2729, 2790, 3819
TRYPTOPHAN: 13, 20, 286, 414, 615, 656, 703, 735, 812, 839, 1242, 1411, 1813, 1908, 2307, 2379, 2605, 3276, 3362, 3922, 4196-4197
TRYPTOPHAN HYDROXYLASE: 839, 1793, 2605
TRYPTOPHAN OXYGENASE: 13, 481, 2605, 3362, 3457
TRYPTOPHANASE: 3, 703
TUBERCULIN: 1389
TUBERCULIN TEST: 165, 554, 2343
TUBERCULOMA: 473, 4294
TUBERCULOSIS: 165, 550, 1886
TUBERCULOSIS, BOVINE: 1886
TUBERCULOSIS, CUTANEOUS: 550
TUBERCULOSIS, ENDOCRINE: 473, 550, 2322, 2349, 4051
TUBERCULOSIS IN CHILDHOOD: 245
TUBERCULOSIS, LYMPH NODE: 245, 550, 3915
TUBERCULOSIS, MENINGEAL: 245, 550
TUBERCULOSIS, MILIARY: 554, 1342, 1777, 4294
TUBERCULOSIS, OCULAR: 550
TUBERCULOSIS, OSTEOARTICULAR: 550
TUBERCULOSIS, PERITONEAL: 550
TUBERCULOSIS, PULMONARY: 245, 416, 981, 2414, 4294
TUBERCULOSIS, RENAL: 4294
TUBERCULOSIS, UROGENITAL: 550
TUBEROUS SCLEROSIS: 3187
TUBOCURARINE: 478, 2430, 3267, 3835
TUMOR VIRUS INFECTIONS: 2001, 2448
TURKEYS: 2718, 2857, 3542
TURNER'S SYNDROME: 21, 87, 282, 979, 1055, 1134, 1233, 1323, 1781-1782, 1940, 2427, 2562, 2762, 2856, 3002, 3132, 3279, 3378, 3495, 3657, 3671, 3682, 3775, 3979, 4084
TURPENTINE: 1765, 3481
TURTLES: 327, 2258, 2919
TWINS: 274, 282, 952, 1482, 1756, 1836, 2819, 3090, 3434, 3464, 4054
TWINS, CONJOINED: 282
TYMPANIC MEMBRANE: 1693
TYRAMINE: 230, 294, 726, 833, 1570, 1
1755, 1890, 2336, 2449, 3456, 3907
TYROSINE: 278, 364, 440, 444, 925, 115
1549, 1890, 2495, 2798, 3169, 3353, 3
TYROSINE AMINOTRANSFERASE: 454,
1614, 1729, 1813-1814, 2757, 3833, 3
TYROSINE HYDROXYLASE: 283, 298,
1193, 1403, 1427, 1549, 1720, 2039, 3
TYROTHRICIN: 3926

U

UBIQUINONE: 3256
UDDER: 431, 888, 3689, 3829
UDP GLUCURONOSYLTRANSFERASE:
UGANDA: 163, 438
UKRAINE: 3054
ULCER: 811, 1379, 2524, 3778
ULNA: 101, 1855, 3069, 3685
ULTIMOBRANCHIAL BODY: 443, 1834,
3253
ULTRACENTRIFUGATION: 472, 597,
1734, 2996, 3352, 3549, 3661-3662, 3752
3922
ULTRAFILTRATION: 2504, 2885, 3024,
ULTRASONIC THERAPY: 466
ULTRASONICS: 123, 470, 688-689, 691,
1384, 1459, 1758, 1806, 1981, 2045,
3087, 3104, 3310, 3681, 4280
ULTRAVIOLET RAYS: 512, 873, 1183,
2528, 3216
ULTRAVIOLET THERAPY: 1860, 2383
UMBILICAL ARTERIES: 207, 354, 989,
3893, 3898
UMBILICAL CORD: 441, 613, 646, 952,
1135, 1619, 2137, 2386, 2652, 3894,
UMBILICAL HERNIA: 1136, 1295,
UMBILICAL VEINS: 989, 2450, 3893,
UMBILICUS: 1136, 1338, 2994
UNCONSCIOUSNESS: 1697
UNCOUPLING AGENTS: 626, 3633,
UNDECYLENIC ACID: 1181
UNITED STATES: 302, 369-370, 442,
853, 1029-1030, 1041, 1174, 1641,
2642, 2990, 3363, 3387-3388, 3823,
4178-4179, 4286
UNITED STATES FOOD AND DRUG
ADMINISTRATION: 2642, 4291
UNITED STATES PUBLIC HEALTH
1906
UNITED STATES VETERANS ADMIN
310, 3463, 4184
URACIL: 1624, 1789
URACIL NUCLEOTIDES: 125, 278,
1572, 1577, 2051, 2274, 3249, 3364,
URBAN POPULATION: 609, 997,
UREA: 58, 123, 527, 605, 652, 659,
1067, 1101, 1123, 1155, 1409, 1416,
2345, 2370, 3352, 3661, 3847, 3925-
UREASE: 3868
UREMIA: 477, 970, 1088, 1561, 1674,
2902, 2988, 3220, 3235, 3397, 3453,
URETER: 580, 1299, 1864
URETERAL CALCULI: 3868
URETERAL DISEASES: 2810
URETERAL OBSTRUCTION: 2758
URETHANE: 1474, 1955, 2515, 3657,
4031
URETHRA: 580, 3173, 3439, 3811
URIC ACID: 41, 652, 1227, 2063,
2370, 2443, 2854, 3732, 3868, 4073,
URICOSURIC AGENTS: 557
URIDINE: 50, 220, 408, 1398, 1485,
2131, 2138, 2184, 2558, 3229, 3635
URIDINE DIPHOSPHATE SUGARS:
URINARY CALCULI: 3084
URINARY CATHETERIZATION: 580,
3173
URINARY DIVERSION: 1932, 2239
URINARY FISTULA: 2810
URINARY TRACT: 2241
URINARY TRACT INFECTIONS: 80
URINATION: 2538, 2987, 4030
URINATION DISORDERS: 593
URINE: 621, 932, 1172, 2128, 3447
UROCHORDATA: 3439-3440
UROGENITAL NEOPLASMS: 499,
UROGENITAL SYSTEM: 580, 1457,
3171

LIBRARY U. OF I. URBANA-CHAMPAIGN

...500, 600, 1034, 1058, 1132, 2239,
...96, 3768
...EASES: 1189, 1487, 1645, 2241,
...: 1574, 2008
...37, 2966
...GMENTOSA: 391, 3668
...ASES: 12, 159
...ORRHAGE: 446, 728, 1569, 1753,
...06, 2788, 3053
...PLASMS: 39, 801, 937, 1314, 1367,
...33, 1952, 1961, 2686, 2810,
...), 3149, 3163, 3179, 3375, 3553,
...39, 4080, 4263, 4280
...4, 153, 169, 172, 197, 234, 251, 395,
...1032, 1083, 1093, 1146, 1286, 1371,
...94, 1564, 1602, 1607, 1675, 1708,
...79, 1886, 1919, 2155, 2211, 2226,
...33, 2439, 2535, 2557-2558, 2660,
..., 2800, 2804, 2812, 2882, 2890,
...74, 3051, 3066, 3149, 3203, 3247,
...39, 3371, 3408, 3428, 3544, 3562,
...31-3662, 3696, 3809, 3815, 3824,
...11
...483, 634, 969, 1154, 1818, 2395,
...75, 4112

V

...4171
...4, 604, 771, 1213, 1319, 1371, 2284,
...90, 2921, 2935, 2974, 3277, 3428,
...11, 3870, 4274
...ASES: 1961
...ULA: 2810
...PLASMS: 3687, 2810, 2950, 3179,
...ARS: 60, 513, 604, 640, 1093, 1213,
...94, 1845, 1858, 1921, 1943, 2262,
...90, 2974, 3357, 3408, 3436, 3641,
...76
...3, 1759, 1845, 2284
...6, 990, 1222, 2081, 2177, 3180,
...94
...: 335, 584, 990, 1222, 1457, 2015,
...77, 2397, 2431, 3180, 3672, 3823,
...3, 3874
...2559, 3468
...3916
...73, 3436
...7
...IC ACID: 317, 1417, 1730, 1793,
...72
...ENETICS): 3243, 3940
...STER VIRUS: 360
...167, 3442
...NS: 1085, 2611, 2683, 3198, 3493,
...3: 965, 1114, 1158, 1368, 1755,
...32, 3336, 3838, 4171, 4300
...M: 18
...EASES: 543, 601, 677, 1182, 1359,
...5, 2682-2683, 3015, 3198, 3493,
...SISTANCE: 479, 730, 906, 968,
...72, 1598, 1634, 1721, 2310, 2591,
...90, 3454, 3774, 3907, 4210
...RGERY: 1020, 2285
...114, 1820, 2049, 2922, 3869
...TOR AGENTS: 512, 592, 1124,
...AGENTS: 938, 1094, 1124, 2135,
...3, 2995, 3907, 4111
...YSTEM: 270, 1864, 2015, 2461,
...7
...6, 66, 297, 344, 346, 380, 532, 558,
...734, 739, 849, 883, 888, 943, 953,
...1137, 1404, 1487, 1519, 1893-1894,
...7, 2171, 2178, 2203, 2238, 2258,
...4, 2844, 2898, 2750, 2853, 2901,
...4, 3339, 3390, 3422, 3534, 3571,
...7, 3921, 4022, 4030, 4106
...97, 2948, 3389
...LLA: 2850

VECTORCARDIOGRAPHY: 43
VEGETABLES: 1915, 3385, 4277
VEHICLES: 2177
VEINS: 18, 167-169, 336, 1286, 1369, 1769, 2555, 2682-2683, 2890, 4011, 4045
VENA CAVA, INFERIOR: 1804, 2425, 2555, 2758, 3443
VENA CAVA, SUPERIOR: 86, 1315
VENAE CAVAE: 439
VENOMS: 255, 2606, 2657, 3734
VENOUS PRESSURE: 2662
VENTRICULAR FIBRILLATION: 2190, 4266
VENTRICULOGRAPHY: 44, 281, 1098, 1438, 2989
VERATRUM: 1915
VERBAL BEHAVIOR: 1233
VERTEBRATE VIRUSES, UNCLASSIFIED: 2520
VERTEBRATES: 136, 2206, 3244, 4022
VERTIGO: 1686
VESICOVAGINAL FISTULA: 2810, 2987
VESICULAR STOMATITIS VIRUS: 904, 4047
VESTIBULAR APPARATUS: 1693
VESTIBULAR NERVE: 720
VESTIBULAR NUCLEI: 1334
VETERINARY MEDICINE: 3363, 3678
VIBRATION: 2889, 3048
VIBRIO: 927, 1235, 1967
VIBRIO COMMA: 927, 1235, 3513
VIETNAM: 3713, 3881
VINBLASTINE: 701, 796, 1333, 3341, 3616
VINCA ALKALOIDS: 4264
VINCRISTINE: 404, 638, 701, 796, 836, 842, 1244, 1333, 1535, 1580, 1663, 1904, 2249, 2621, 2832, 2863, 3110, 3252, 3341, 3380, 3725-3726, 4018, 4206, 4275
VINYL COMPOUNDS: 1679
VIOLENCE: 4161
VIRAL INTERFERENCE: 2520
VIRAL PROTEINS: 4047
VIRAL VACCINES: 173
VIRILISM: 598, 1319, 2382, 2543, 2970, 3098
VIRULENCE: 173
VIRUS CULTIVATION: 904, 1206, 3490
VIRUS DISEASES: 258, 904, 1657, 1663, 1990, 3628, 3800
VIRUS REPLICATION: 233, 1206, 1907, 2520, 2631
VISION: 932
VISION DISORDERS: 876, 1154, 1486, 1974, 2141, 2695, 2828, 3498, 3559, 4138, 4262
VISION TESTS: 1296
VISUAL ACUITY: 145, 254, 465, 614, 634, 749, 969, 1154, 1161, 1239, 1463, 1470, 1486, 1573, 1974, 2010-2011, 2237, 2695, 3005, 3413, 4016
VISUAL CORTEX: 1945
VISUAL FIELDS: 342, 749, 1463, 1486, 1658, 2695, 3005, 3469, 4262
VISUAL PATHWAYS: 1287, 1974
VISUAL PERCEPTION: 80, 198, 649, 737, 820-821, 1004, 1059, 2791-2792
VITAL CAPACITY: 1156, 1748
VITAMIN A: 431, 991, 1354, 1733-1734, 2005, 2194, 2782, 2823, 2996, 3003, 3575, 3922, 4048, 4293
VITAMIN A DEFICIENCY: 1343, 1354, 2996
VITAMIN B COMPLEX: 216, 2672
VITAMIN B 12: 1453, 1600, 2358, 3674, 3822
VITAMIN B 12 DEFICIENCY: 1600, 1776, 3674
VITAMIN D: 68, 75, 191, 219, 244, 248, 668, 785, 835, 852, 961, 970, 1088, 1270, 1473, 1597, 1889, 1911, 1932, 1998, 2292, 2304, 2461-2462, 2528, 2539, 2823, 2904, 3086, 3130, 3281, 3397, 3402, 3430, 3458-3459, 3500, 3566, 3659, 3675, 3805, 3952, 4123, 4167, 4293
VITAMIN D DEFICIENCY: 422, 627, 719, 929, 1050, 1597, 2304, 2944, 3086, 3156, 3401, 3500, 3566, 3891, 3952, 4123, 4141, 4164
VITAMIN E: 216, 786, 2782, 2887-2888, 3182, 3619, 4177
VITAMIN E DEFICIENCY: 2902, 3030
VITAMIN K: 93, 165, 2499
VITAMINS: 185, 1239, 1568, 3555, 4245, 4293
VITELLINE DUCTS: 1203
VITELLINE MEMBRANE: 573, 1232, 1398, 4238
VITILIGO: 2553
VITREOUS BODY: 397, 634, 3469
VOCAL CORD PARALYSIS: 297, 1610, 3214
VOCAL CORDS: 2044, 3223
VOCALIZATION, ANIMAL: 860, 3019, 3199, 3277, 3700
VOICE: 2044
VOMITING: 446, 685, 734, 935, 1128, 1694, 1835, 3870, 3997, 4200
VON WILLEBRAND'S DISEASE: 285, 867, 3127, 3698
VULVAR NEOPLASMS: 4150

W

WAKEFULNESS: 2912, 3019
WALES: 1998
WAR: 4161
WARFARIN: 486, 1038
WASHINGTON: 360
WATER: 65, 205, 569, 736, 769, 829, 890, 939, 943, 1058, 1066, 1094, 1251, 1798, 2022, 2033, 2043, 2072, 2238, 2258, 2418, 2541, 2805, 2809, 2835, 3191, 3389, 3472, 3513, 3549, 3571, 3625, 3731-3732, 3801, 3916, 4030, 4209
WATER DEPRIVATION: 1312, 1388, 1425-1426, 1550, 1798-1799, 1963, 3597
WATER-ELECTROLYTE BALANCE: 55, 287-288, 346, 411, 482, 633, 657, 736, 793, 824, 829-830, 833, 874, 953, 1014, 1078, 1387-1388, 1487, 1587, 1615, 2100, 2258, 2314, 2435, 2480, 2789, 2802, 2853-2854, 3022, 3263, 3329, 3389, 3400, 3513, 3997, 4174, 4249
WATER POLLUTION: 1471
WATER SUPPLY: 1471, 1998, 3191, 3426, 4160
WATERHOUSE-FRIDERICHSEN SYNDROME: 214, 1511
WAXES: 3787
WEANING: 52, 1210, 1410, 2702, 2954, 3502, 3546, 3985, 4043, 4081
WEATHER: 1255, 2428
WEGENER'S GRANULOMATOSIS: 398, 413, 1207, 4105
WERNER'S SYNDROME: 1150
WERNICKE'S ENCEPHALOPATHY: 3016
WHEAT: 1867, 3385
WHOLE BODY COUNTERS: 3335
WISSLER'S SYNDROME: 2142, 3876
WOLFFIAN DUCT: 1724, 3171, 4058
WOOD: 3467
WOUND HEALING: 107, 211, 932, 957, 1229, 1353, 2277, 2288, 2314, 3105-3106, 3323, 3695
WOUNDS AND INJURIES: 55, 106, 514, 580, 593, 1926, 2144, 2943, 3164, 4216
WOUNDS, GUNSHOT: 2943
WRIST: 984, 3685
WRIST INJURIES: 3069, 3685

X

XANTHINE OXIDASE: 1302, 2940
XANTHINES: 1199, 2009, 2400
XANTHOMATOSIS: 826, 1252
XANTHURENATES: 812, 3276
XENON: 182
XENOPUS: 2040, 3085, 3190, 3752, 3958, 4238
XERODERMA PIGMENTOSUM: 873
X-RAY DIFFRACTION: 674, 1051, 2167, 3625
XYLENE: 3145
XYLOSE: 508, 1144, 3822

Y

YEASTS: 546
YTTERBIUM: 201, 2173, 3538
YTTRIUM ISOTOPES: 145, 764, 1677, 1721, 2011
YUGOSLAVIA: 937, 3112

Z

ZAIRE: 843-844, 1563, 1567, 3818
ZINC: 95, 509, 649, 727, 729, 819, 1466, 1676, 2033, 2043, 2119, 2538, 2685, 3026, 3081, 3574, 3943, 4076
ZINEB: 2999
ZIRCONIUM: 192
ZOLLINGER-ELLISON SYNDROME: 1713, 2960, 3851
ZOXAZOLAMINE: 3759-3760
ZYMOSAN: 2173, 4259

LIBRARY U. OF L. URBANA-CHAMPAIGN

AUTHOR INDEX

ALBE-FESSARD D: 124
ALBERICO RA: 2798
ALBERMAN ED: 42
ALBERT A: 1785
ALBERT DJ: 2590
ALCARAZ M: 4145
ALEKPEROV II: 43
ALEKSANDROVA AM: 3749
ALEKSEEVA NM: 3981
ALEKSIC SN: 44
ALERS JO: 45
ALESHIN BV: 46
ALEXANDER JW: 2560-2561
ALEXANDER RW: 1634
ALEXANDER WC: 2178
ALEXANDER WD: 2176, 2196
ALFANO S: 3291
ALFORD C: 47, 2334
ALHO AV: 2662
ALINK HR: 48
ALLAL K: 1007
ALLANEAU C: 2760
ALLAVERDIAN AG: 49
ALLEN A: 50
ALLEN DO: 1895, 2147
ALLEN EL: 51
ALLEN JC: 3461
ALLEN LH: 52
ALLEN TD: 3639
ALLEN WM: 216
ALLEN WR: 53
ALLIEZ J: 338
ALLISON AC: 54
ALLISON SP: 55
ALLRED JB: 56-57
ALLTOP LB: 3080, 4135
ALMEYDA J: 58
ALMOND CH: 410
ALOOF S: 2719
ALPER MH: 3395
ALSPAUGH MA: 59
ALTMANN P: 60
ALTON-MACKEY MG: 61
ALVAREZ AHEDO A: 599
ALVAREZ-CERVERA J: 3589
AMANN RP: 4000-4001
AMBROSI B: 1035-1036
AMBROSINI C: 3334
AMBUS U: 2485
AMER MS: 62
AMES RP: 4086
AMIR J: 63
AMIR SM: 64
AMIT Z: 65
AMITAN BIA: 118
AMMANN AJ: 66
AMMANN F: 1983
AMMERMANN M: 979
AMOSS M: 3239
AMOURETTI M: 2625
AMTMANN E: 67
ANAST CS: 68, 443
ANASTASSIADIS PA: 1574
ANDERSEN BF: 69
ANDERSEN P: 2651
ANDERSON C: 3111
ANDERSON DC: 70, 2240
ANDERSON DE: 2001
ANDERSON DG: 3871
ANDERSON DL: 71
ANDERSON GG: 354
ANDERSON J: 129
ANDERSON KM: 2518
ANDERSON NE: 1156
ANDERSON PJ: 72
ANDERSON W JR: 4073
ANDERSON WB: 73-74
ANDERSSON L: 2996
ANDIMAN R: 3973
ANDING C: 75
ANDO K: 1591
ANDO N: 76
ANDO Y: 77
ANDRADE JD JR: 957
ANDRE F: 113
ANDREEFF I: 4157
ANDREEV PP: 78
ANDREIS PG: 108
ANDREOLI V: 1054
ANDRESS D: 79
ANDREW EM: 1923
ANDREW RJ: 80
ANDREWS EJ: 81
ANDREWS J: 952, 4040
ANDREWS JW: 82
ANGELAKOS ET: 1969
ANGELOV AM: 2586
ANGGARD E: 2153
ANISUZZAMAN AK: 83
ANJOS MN DOS: 84
ANKOV VK: 2020
ANNAT G: 85-86
ANNAU Z: 2030
ANNER RM: 2820
ANOUSSAKIS C: 2252
ANSARI AH: 87
ANSELMI B: 3554
ANTIA FP: 3142
ANTOINE H: 2168
ANTON AH: 88
ANTONELLO A: 156-157
ANTONENKO SG: 172
ANTONI F: 1044
ANTONI H: 89
ANTONIOLI G: 90
ANTONIOU D: 1453
ANTREASSIAN J: 91
ANTTILA P: 1605
AOKI N: 92
AOKI Y: 93
APASOV GN: 94
APFELBAUM M: 3318
APGAR J: 95
APOSTOLOV L: 96
APPELGREN LE: 97
APPLEBAUM SW: 4114
AQUARON R: 672, 1761
ARAGON JA: 98
ARBAEVA LI: 3501
ARCANGELI P: 99
ARCHDEACON JW: 1232
ARCHER J: 100
ARCHER-HALL JA: 101
ARCHIBALD A: 102
ARCHIBALD EL: 2574
ARDAILLOU R: 103
ARDELEANU A: 104
ARDITTI R: 105
ARENBERG AA: 106
AREND IUE: 107
AREVALO N: 2804
ARFANIA J: 3827
ARGEME M: 1382
ARGEMI B: 3567
ARIAS LP: 182
ARIMITSU K: 2595
ARIMURA A: 3405
ARIYADASA S: 3487
ARKIN B: 2123
ARKY RA: 411
ARLET J: 2035
ARMATO U: 108
ARMBRUSTER H: 262
ARMOUR SB: 2377
ARMSTRONG DT: 1593
ARMSTRONG FB JR: 2177
ARNAUD CD: 109, 2416
ARNOLD W: 4109
ARNOLD WH: 1120
ARON C: 621
ARTHUR A: 372
ARTURSON G: 110
ARULANANTHAM K: 1265
ARVANITAKIS C: 111
ARZILLI F: 3358
ASANO H: 33
ASANO T: 1570
ASAVASENA W: 45, 3283
ASCENZI A: 112
ASCHKENASY A: 113
ASFOUR M: 3119
ASH LR: 114
ASH RW: 115
ASHBURN W: 1464
ASHKENAZI R: 116
ASHLEY CC: 117
ASHMARIN IUIA: 118
ASHMORE J: 1895, 2147
ASSAYKEEN TA: 3193
ASSIMACOPOULOS-JEANNET F: 119

ASSIS LM: 3846
ASTIER H: 120
ATKINSON LE: 4189
ATKINSON PJ: 3076
ATKINSON RL: 900
ATMARAM SH: 3142
ATTAL B: 691
EL-ATTAR TM: 121, 794
ATTARDI B: 2840
ATYEO R: 4207
AUBERT M: 2671
AUBREY DA: 122
AUBRY RH: 123
AUDEBERT A: 677
AUDI-PARERA L: 2435
AUERBACH R: 2576
AUFFRAY P: 124
AUGUSTINE EC: 125
AULA P: 2208
AUPETIT B: 91
AURBACH GD: 928, 2452
AURELL M: 126
AUSKOVA M: 127
AUSSEMS J: 128
AUSTEN KF: 1862, 3795
AUSTERMANN R: 2137
AUSTIN L: 1123
AUSTIN TR: 129
AVAKAIANTS BA: 130
AVALOS J: 2729
AVERILL RL: 131
AVERY AF: 498
AVERY TL: 132
AVIGDOR R: 3443
AVTALION RR: 3544
AXELROD J: 3336, 4171
AXELROD LR: 3505
AXER A: 2149
AXON AT: 133
AYALON D: 134, 1481
AYD FJ JR: 135
AZANZA X: 235
AZARIAH J: 136
AZIZ EM: 137
AZNAR-RAMOS R: 2804
AZNAR REIG A: 138, 1562
AZTARAIN E: 139
AZUMA R: 2661
AZZENA GB: 2302
AZZI A: 3926

B

BAARDSEN A: 2833
BABA S: 140
BABA T: 1966
BABENKO LS: 141
BABIC K: 142
BABICHEV VN: 143
BABILLIOT J: 3493
BABIN P: 144
BABKA JC: 1432
BABSKAIA IUE: 4011
BABUSIKOVA F: 1848
BACHHAWAT BK: 2016
BACKLUND EO: 145-146
BACKMAN L: 2892
BACSY E: 147
BADARAU L: 148
BADELT R: 514
BADENOCH-JONES P: 149
BADER G: 150
BADER NG: 150
BADRAN AF: 151
BAEHR R VON: 1535
BAERTL JM: 1351
BAETTIG K: 152
BAETZ AL: 815
BAEVSKII IUB: 153
BAGAI RC: 154
BAGBY MK: 1439
BAGCHI SC: 155, 3974
BAGDAT'EV VE: 3384
BAGGIO B: 156-157
BAGGIONI G: 90
BAGLEY C: 1373, 3144
BAGLEY CM JR: 158
BAGLI NP: 3136
BAGSHAWE KD: 159
BAHY C: 124
BAILE CA: 160, 2361, 2436, 3489
BAILENGER J: 161-162
BAILES G: 115
BAILEY CM: 2930
BAILEY IC: 163
BAILEY JM: 164
BAILEY WC: 165
BAILIE MD: 201
BAILLOD RA: 738
BAIN J: 3754
BAIRD DT: 166-169
BAJETTA E: 842
BAKER BA: 2317
BAKER BI: 170
BAKER JR: 3400
BAKER RK: 171
BAKER TG: 2746
BAKSHEEV NS: 172
BALACHANDAR V: 2372
BALAEVA NM: 173
BALAS D: 174
BALASUBRAMANIAM V: 175
BALAZOVJECH I: 176
BALAZS R: 177, 1448
BALCERZAK SP: 51
BALDESSARINI RJ: 178-179
BALDET L: 1744-1747, 2588
BALDET P: 2902
BALDI A: 2051, 4062
BALDINI A: 394
BALDWIN BA: 180-181
BALDWIN M: 159
BALDWIN S: 447
BALDY-MOULINIER M: 182
BALEMANS MG: 183
BALEV R: 2017
BALEVA R: 184-185
BALIGA BS: 186
BALITSKII KP: 187
BALL JN: 1014
BALLAS M: 4258
BALLESTER D: 188
BALLIUZEK FV: 3062
BALLOW M: 189
BALNAVE D: 190
BALOGH K: 845
BALSAN S: 191, 452
BALTRUKIEWICZ Z: 192
BALTSCHEFFSKY H: 3926
BALTSCHEFFSKY M: 3926
BALTZ HJ: 317
BALYBIN ES: 193, 2905
BAMBACH M: 1700
BANCROFT WH JR: 983
BANDLER RJ JR: 3556
BANERJEE R: 3873
BANERJEE RK: 3169
BANERJEE SK: 194
BANERJI AP: 875
BANERJI TK: 195
BANHIDI L: 3857
BANIUKIEWICZ S: 1449
BANKS P: 115
BANSAL VP: 2098
BAR A: 196-197, 1677
BAR HP: 2353
BARAC G: 831
BARAN D: 198
BARANDUN S: 199
BARATH P: 761
BARBARO AM: 1216
BARBEAU A: 200
BARBER AK: 727
BARBOUR JA: 201
BARCHAS JD: 839
BARDIN CW: 506
BARGIEL Z: 202
BARGMAN GJ: 203
BARKER EA: 204
BARLET JP: 205
BARLETTA A: 1201
BARLOW JJ: 1378
BARNARD WP: 2370
BARNES EW: 547-548
BARNETT SA: 206
BARNIVILLE H: 415
BAROWSKY NJ: 3792
BARR M JR: 207
BARRATT TM: 208
BARRERAS RF: 209
BARRETT J: 1475
BARRETT JL: 210
BARROSO JS: 211
BARRY J: 212-213
BARTEL J: 214
BARTELS H: 1514
BARTELT H: 215
BARTER FC: 1388
BARTH T: 1991
BARTOK SP: 7
BARTON CR: 216
BARTSCH W: 217
BARTSCHI R: 2278
BARTUSKA D: 3854
BARTUSKA DG: 218
BARYLAK A: 1775
BARYLAK H: 1775
BARZEL US: 219
BARZILAI D: 260
BARZILAY I: 220
BASCH A: 221
BASCHIERI L: 1068
BASILE C: 2318
BASILE F: 222
BASINSKA J: 223-224
BASKIN SI: 225-227
BASRUR PK: 4117
BASSETT AL: 4120
BASSETT JR: 228
BASSILY S: 1046
BASSIRI RM: 229
BASSO N: 230
BASTENIE PA: 846
BASTRON RD: 1864
BASU PK: 231, 1267, 1506
BATES D: 232
BATESON PP: 1624
BATRA GK: 233
BATRA S: 234
BATTIN J: 235
BAUD CA: 3296
BAUER GE: 1958
BAUER H: 2108
BAUGHMAN FA JR: 236
BAULIEU EE: 3815
BAULON A: 1142
BAUM H: 149
BAUMANN JB: 237
BAUMANN K: 2680
BAUMANN R: 238
BAUMGARTEN HG: 2790
BAUMGARTNER H: 239
BAUMINGER S: 240
BAUSENWEIN I: 241
BAUTE J: 2611
BAVING G: 3911
BAXTER DW: 242-243
BAXTER JD: 3371
BAYER R: 3875
BAYLE JD: 2852
BAYLINK D: 244
BAZACLIU E: 245
BEAHRS OH: 3452
BEALE RN: 246
BEAMS HW: 247
BEAN GA: 248
BEAN SF: 3998
BEAN SM: 160
BEANI L: 311-312
BEARDWOOD CJ: 249
BEAS F: 585
BEATO M: 3457
BEATTIE CW: 250
BEATTY CH: 251
BEATTY WW: 252-253
BEAUCHAMP CJ: 1306
BEAUDOIN GJ: 1010
BEAUDRY C: 254
BEAUVALLET M: 255
BEAUVILLAIN JC: 256
BECHTOL CO: 257
BECK CC: 258
BECK JC: 1893-1894
BECK JS: 3523
BECK NF: 2525
BECK P: 259, 2107
BECK R: 260
BECK-PECCOZ P: 1035
BECK-PECOZ P: 1036
BECKER B: 3044

LIBRARY U. OF L. URBANA-CHAMPAIGN

AUTHOR INDEX

BERNARD P: 1438
BERNARDI F: 655
BERNARDIS LL: 304
BERNASCONI D: 3032
BERNATZ PE: 305
BERNDORFER A: 306
BERNER CN: 3467
BERNHARD RA: 1190
BERNHEIM R: 307
BERNICK S: 2243
BERNIER G: 308
BERNIER JJ: 2480, 3500
BERNSTEIN RA: 1163
BERNSTEIN RI: 3319
BERRIDGE MJ: 309
BERRY M: 1115
BERSI M: 1237
BERSON SA: 310, 3463, 4184
BERTEANU G: 3033
BERTEHZENE F: 2003
BERTELLI A: 311-312
BERTHAUX P: 1346
BERTHELAY J: 313-314, 2665
BERTHELAY S: 313-314, 2665
BERTHELOT A: 315, 787
BERTHEZENE F: 2638
BERTIN R: 960, 2166
BERTINO JR: 2389
BERTRAND J: 678
BERTRAND JA: 1134-1135
BERTRAND PV: 751
BESA EC: 1447
BESCHI RJ: 3036
BESSER GM: 3159
BESSIERE E: 316
BETHEA MC: 317
BETHLEM J: 2872
BETHUNE JE: 2573
BETT DC: 3360
BETTEX-GALLAND M: 2319
BETZ G: 318
BEUREY J: 319
BEVAN JA: 320
BEVERS MM: 4121
BEWLEY TA: 1908
BEWSHER PD: 3664
BEYER C: 2154, 2982
BEYLOT J: 2625
BEYR MM: 1167
BEYRA M: 321-322
BEZUKHOV IM: 323
BHAGAT B: 610
BHAKTAVIZIAM A: 2697, 3952
BHAMARAPRAVATI N: 2194
BHANA D: 1883
BHARGAVA KP: 324, 1413
BHATNAGAR RK: 2355
BHATTACHARYA S: 325
BHIDE NK: 3174
BHIDE SV: 326
BIAGI GL: 1216
BIANCHI A: 327
BIANCHI C: 311-312
BIANCHINI G: 328
BIANCIFIORI C: 329
BICKEL H: 3430
BIDA SA: 330
BIELER EU: 331
BIERMAN SM: 332
BIETTI GB: 333
BIGAZZI M: 334
BIGLIERI EG: 3406
BIHARI Z: 3856-3857
BIHLER I: 999
BILDER GE: 335
BILEZIKIAN JP: 336, 928
BILLARDON C: 337
BILLE J: 338
BILLEN D: 3437
BILLET R: 1129
BILLEWICZ WZ: 339
BILLIAR RB: 2287
BILLINGS JA: 769
BINET E: 1791
BINSWANGER U: 1097, 1384
BIRBARI A: 3987
BIRCH BM: 340
BIRCH NJ: 341
BIRD AC: 342
BIRD CE: 2187
BIRD R: 3354
BIRK J: 3302
BIRK Y: 1327
BIRKEN S: 2627
BIRKHEAD BM: 343
BIRMINGHAM MK: 2064
BIRTCH AG: 460
BISHOP MB: 2190
BISHOP W: 925
BISHT JS: 2913
BISMUTH V: 1065
BISSET GW: 344
BISWAS S: 1579
BITENSKY MW: 345-346
BITTNER K: 3762
BIVENS CH: 347
BJORKHEM I: 348
BJORKLUND A: 349-350, 2790
BJURSELL G: 351
BLACH RK: 2011
BLACK DL: 772, 1640, 3512
BLACK MM: 352-353
BLACKBURN MG: 354
BLACKSHAW AW: 1005
BLACKWELL R: 3239, 3937
BLACKWELL RE: 355
BLAGDON DE: 356
BLAGORODOV SG: 357
BLAIR AJ JR: 3065
BLAIR JD: 87
BLAKE CA: 358, 4079
BLAKE J: 359
BLAKELY GA: 360
BLANC PM: 361
BLANC-BRUNAT N: 4235
BLANCHARD RC: 2507-2508
BLANCHET P: 836
BLAND WR: 1246
BLANDY JP: 1453
BLAQUIER JA: 362-363
BLASIG J: 3199
BLASKOVA O: 3053
BLAU K: 364
BLAZKOVEC AA: 365
BLEHA O: 366, 2411
BLEIBERG I: 367
BLERY M: 1065
BLISS DK: 926
BLIZARD DA: 368
BLIZZARD RM: 369-370
BLIZZARD RM: 1351
BLOBEL R: 3422
BLOCH E: 1390
BLOCH KJ: 371
BLOCK MA: 1735
BLOCK P JR: 3036
BLOGG CE: 372, 3383
BLOM J: 3725
BLOOM GD: 2152
BLOOM HJ: 373
BLOOMBERG G: 613
BLOOMFIELD CD: 374
BLUM C: 3486
BLUM JW: 1097
BLUNDELL JE: 375-376
BLYE RP: 377
BOBICHON AM: 85
BOBO EG: 378
BOBROW M: 379
BOCEK RM: 251
BOCKAERT J: 380
BODE HH: 381
BODEN G: 382-383
BODEY GP: 3252
BODON GR: 384
BOELKINS JN: 385
BOESEN EA: 666
BOGAERT A VAN: 386
BOGAERT PP VAN: 386
BOGATYREV GP: 387
BOHLEN P: 388-389
BOILOT JC: 276
BOISSON M: 390
BOIVIN P: 391
BOJKINOV I: 392
BOLE GG JR: 4041
BOLEY SJ: 805
BOLING JA: 431
BOLLINGER J: 3192
BOLOGNESE RJ: 717

BOL'SHAKOVA VV: 1860
BOLT DJ: 4059
BOLT HM: 393, 1879
BOLTON CH: 3504
BOMBECK CT: 1199
BOMPIANI A: 1737
BONADONNA G: 842
BONARDI G: 710
BONATI B: 394, 2427
BONDANI A: 395
BONGIOVANNI AM: 396
BONHOMME JS: 513
BONNEAU H: 1984
BONNET H: 1771
BONNET M: 397-398
BONNIN A: 399
BONNIN JP: 400
BONUCCI E: 112, 401
BONVALLET M: 378
BOONPUCKNAVIG V: 2194
BOOTH BH: 2881
BOOTH EM: 302
BOPP KP: 402
BORASIO P: 3877
BORBELY AA: 1681
BORCHARDT RT: 403
BORDARIER P: 1761
BORDEIANU A: 280
BORDIER P: 929, 1143, 3157, 3500
BOREL JF: 404
BOREUS LO: 2858
BORGER ML: 816
BORIS A: 2211, 3470
BORISENKO KK: 3622
BORNET C: 2146
BORNET EP: 3461
BORODIN AD: 943
BORODITSKY RS: 405
BORRELL S: 3959
BORSATTI A: 156-157
BORSHCHAGOVSKII ML: 406
BOSCHERINI B: 1289
BOSS PS: 407
BOSS S: 3574
BOSSE K: 2585
BOTALLA L: 636, 2291
BOTHWELL TH: 3341
BOTTOMS E: 352-353
BOUCHER D: 315, 787
BOUCHER R: 408, 1218, 2105, 3259
BOUE A: 409
BOUE JG: 409
BOUGAS J: 2287
BOUKMA SJ: 1802
BOULOS BM: 410
BOULTER PR: 411
BOURDE C: 412
BOURDINIERE J: 413
BOURDONCLE EY: 412
BOUREL M: 2953
BOURGOIN JY: 3921
BOURGOIN S: 414
BOURGUET J: 413
BOURILLET R: 255
BOURKE E: 415
BOUSH GV: 416
BOUSSER J: 417
BOUSSER MG: 417
BOUTET M: 1684
BOUTHREUIL E: 418
BOUVET R: 3070
BOUVRAIN Y: 2938
BOWEN SF JR: 2629
BOWER RJ: 3021
BOWERS GN JR: 2126
BOWES W: 3245
BOX PG: 419
BOYAR RM: 420
BOYD J: 421
BOYD LJ: 914
BOYDE A: 3875
BOYERS DG: 2310
BOYLE IT: 422
BOYLE PC: 1917
BOYNS AR: 423, 797, 1823
BOZADZHIEVA E: 424
BOZDUGANOV AG: 2586
BOZHADZHIEVA E: 425
BRAAKSMA JT: 446
BRACONE-MALHIE A: 703
BRADBURY SJ: 426
BRADENBERGER G: 1126
BRADLEY EL 3D: 427
BRADLEY NW: 431
BRADY RO: 428
BRAMER SR: 900
BRANCH WT: 1733
BRAND A: 429
BRAND JS: 3361
BRANDENBERGER G: 430
BRANSTETTER RF: 431
BRARD E: 2163, 3372
BRAS G: 3290
BRASELTON WE JR: 432
BRATTY PJ: 2343
BRAUMAN H: 433, 719
BRAUN DC: 1389
BRAUN HJ: 434
BRAUN HS: 3682
BRAUN P: 435
BRAUN WE: 436
BRAUNSTEIN GD: 437-438
BRAVERMAN B: 439
BRAVO EL: 968
BRAY GA: 440
BRAZELTON TB: 441
BREDL JC: 3051
BREESE GB: 3080
BREG WR: 4218
BREGEAT P: 1467
BREGGIN PR: 442
BREITENBACH RP: 443
BREMER HJ: 444
BRENCHLEY JE: 3100
BRENEMAN WR: 445
BRENNER H: 3359
BRENNER WE: 446
BRESLOW R: 447
BRESSON Y: 448, 1554
BRET P: 2375
BRETAS AD: 870
BRETON B: 1752
BREULL W: 449
BREWER D: 3345
BREWITT H: 450
BREZIK Z: 451
BRIARD-GUILLEMOT ML: 452
BRIAUD B: 2536
BRICAIR H: 453
BRICAIRE H: 454, 1231, 2322, 2381-2382, 3715, 3939
BRICKMAN AS: 1713
BRICOUT PB: 455
BRIDGES JB: 2331
BRIEGEL H: 456
BRIGANT L: 3318
BRIGGS M: 457-458
BRIGGS MH: 457-459
BRIGGS WA: 460
BRIGHTBILL FS: 2237
BRINKMAN AO: 2676
BRIONES DF: 461
BRISMAN R: 462
BRISSET JM: 1065
BROAD S: 115
BROCHERIOU C: 1270
BROCKERHOFF P: 2529
BRODATY I: 1585
BRODERS AC 3D: 463
BRODISH A: 2325
BRODSKY I: 464
BRODY JS: 1748
BRODY SL: 225
BRODY TM: 225
BROHULT J: 3741
BROMOWICZ J: 465
BRONNER A: 466
BRONSHTEIN ME: 467
BRONSKY D: 473
BRONSON FH: 468-469
BRONSON NR 2D: 470
BROOKER G: 471
BROOKS CM: 2015
BROOKS JC: 472
BROOKS MH: 473
BROOKSBANK BW: 474
BROSSMER R: 3529
BROSTOFF J: 4060-4061
BROT N: 2101
BROTHERTON J: 475
BROUILLET J: 2209
BROUSTET A: 2625
BROUWER E: 3958
BROWN BA: 649
BROWN BL: 476
BROWN CB: 477
BROWN DJ: 478
BROWN EM: 479
BROWN JB: 2440
BROWN JC: 480
BROWN JN: 481
BROWN PS: 482
BROWN RM: 483
BROWN RR: 812
BROWN SC: 482
BROWNE JS: 484-485
BROWNSEY BG: 797, 1578
BROZOVIC M: 486
BRUCE WR: 2506
BRUCHOVSKY N: 2223
BRUDER ML: 487
BRUDZYNSKI S: 3267
BRUIN EJ DE: 331
BRUMMER HC: 488
BRUN DEL RE R: 489
BRUNE J: 490
BRUNEL MF: 412
BRUNET P: 581
BRUNETTE MG: 491
BRUNK SF: 492
BRUNNER HR: 493
BRUNNING RD: 374
BRUNO OD: 709
BRUNSER O: 188
BRUTON J: 494
BRUX J DE: 677
BRY C: 1752
BRYANT BJ: 495
BRYNER JH: 1657
BRZEZINSKA Z: 777
BUBBERS JE: 1552
BUBENIK GA: 496
BUBER B: 2671
BUBLITZ C: 497
BUCHAN R: 423
BUCHANAN KD: 1616
BUCHER B: 2536
BUCHER O: 3788
BUCHHOLZ HM: 1606
BUCHS M: 2803
BUCK C: 3853
BUCK W: 2027
BUCKLAND RW: 498
BUCKLE RM: 2453
BUCKLEY M: 909
BUDA M: 1353
BUDEWSKI O: 2022
BUDHRAJA SN: 499
BUEDING E: 286
BUETTNER MJ: 500
BUGNON C: 724, 3266
BUHLER EM: 501
BUIST NR: 3982
BUKHMAN AI: 2781
BUKHMAN VM: 2950
BULATOV PK: 502
BULETSA BA: 503
BULL AB: 504
BULL G: 1618
BULL JM: 2621
BULLER RH: 682
BULLOCK DW: 505
BULLOCK G: 2400
BULLOCK LP: 506
BULOS S: 3355
BULUSU L: 670
BULYGIN IA: 507
BUNCE IH: 4105
BUNEAUX JJ: 508
BUNNAG B: 2345
BURCH RE: 509
BURCHARTH F: 510-511
BURDICK JF: 4090
BURDICK KH: 512
BURDMAN JA: 3763
BUREAU JP: 513
BUREAU P: 2146
BURES J: 1682
BURFORD HJ: 2870
BURGER D: 514

LIBRARY U. OF L. URBANA-CHAMPAIGN

CAMERON JS: 208, 477
CAMOZZI C: 299
CAMPANACCI L: 156-157
CAMPBELL C: 82, 2000
CAMPBELL CS: 250
CAMPBELL D: 3830
CAMPBELL EA: 7
CAMPBELL IG: 554
CAMPBELL JF: 3221
CAMPINCHI R: 1467
CAMPOS RUSSO M DE: 555
CAMPUZANO HC: 556
CAMUS J: 651
CAMUS JP: 557
CANALES ES: 2402, 3023, 4227-4229
CANARY JJ: 2191
CANELLOS GP: 4206
CANFIELD RE: 2627
CANH VN: 872
CANIVET J: 2938
CANLORBE P: 1790-1791
CANNATA MA: 558, 2644
CANTAFORA A: 594
CANTEGREL C: 559
CANTERBURY JM: 3202
CANTIN M: 3960
CANTOR CR: 1650
CANTOR D: 290
CAPELLA C: 560
CAPINPIN A: 2288
CAPLAN R: 3151
CAPONY F: 3247
CAPPEL R: 1982
CAPRARO V: 327
CARACCIOLO PR: 561
CARAFOLI E: 562
CARANI C: 2427
CARAPANCEA M: 563
CARAYON P: 2496
CARBON J: 1577
CARCHMAN RA: 3196
CARDELLINI LB: 2318
CARDEN TS JR: 1246, 1367
CARDINALI DP: 564, 2711
CARDO B: 2556
CARDOSO EM: 1303
CARDOT J: 565
CARETTE B: 566
CAREY EM: 567-568
CARLISLE HJ: 569
CARLON N: 1762
CARLSON HE: 570
CARLSON IH: 812
CARLSON NR: 3996
CARLSSON A: 571
CARLSTROM A: 3814
CARMICHAEL I: 1625
CARMINATI P: 2226
CARMONA A: 572
CARNEIRO L: 4063
CAROIT M: 3500
CARP G: 245
CARPENTER PB: 101
CARPENTER SJ: 573
CARPIO H: 574
CARR RE: 575
CARRAWAY TF JR: 64
CARRE F: 231
CARRILLO AJ: 576
CARRINGTON ER: 577
CARROLL CJ: 3898
CARROLL FD: 688
CARROLL KK: 578
CARRUBA M: 871
CARSIN M: 2962
CARSON B: 165
CARSON M: 2211
CARTER DC: 1883
CARTER J: 739
CARTER JN: 1622
CARTER PM: 579
CARTWRIGHT GE: 4130
CARUEL N: 2989
CARUOLO EV: 2407
CASACCHIA M: 1054
CASADO S: 3259
CASARA D: 1019, 1056
CASEY KL: 1916
CASEY PA: 3328
CASIDA LE: 660
CASS AS: 580, 854
CASSADY JM: 1119
CASSENS RG: 2425
CASTAIGNE P: 581
CASTANIER M: 3442
CASTBERG T: 510
CASTEELS R: 582-583
CASTELL R: 3451
CASTELLANO MA: 2838, 3140
CASTENFORS J: 584
CASTILLO CE: 585
CASTILLON MP: 586
CASTRO JA: 587
CATALAN RE: 586
CATALANO PM: 588
CATANIA R: 589
CATHIARD AM: 1134-1135
CATTO GR: 590
CATZ CS: 1018
CATZ G: 1270
CAVALLERO C: 591
CAVANAGH D: 592
CAVAZOS N: 593
CAVINA G: 594
CAVULEA O: 3462
CAYTON RM: 595
CAZULLO P: 3032
CEDARD L: 3045
CEDERGREN RJ: 980
CELIS ME: 596
CENCORA A: 2035
CENTENO ER: 597, 3549
CEOARA B: 725
CERAMI A: 1363
CERBELLE F: 161
CERBO R: 1054
CERDAN VALLEJO A: 2441
CERON ESQUIVEL A: 598
CERVANTES J: 599
CERVANTES MY: 4145
CERVENKA J: 1637
CETINA JA: 41
CHA EM: 600
CHABAN J: 3002
CHABNER BA: 158, 4206
CHABRIA NL: 3933
CHABRIER J: 601
CHACON J: 3143
CHAGNON A: 1769
CHAI CK: 368
CHAIBI A: 2923
CHAKRAVARTI RN: 2098
CHALAZONITIS N: 390
CHALFIE M: 4219
CHALLIS JR: 602, 1701
CHAMNESS GC: 603
CHAMPION RH: 2364
CHAMPLIN AK: 604
CHAMPREDON C: 605
CHAN SW: 606
CHANDLER W: 1070
CHANDOLA A: 607
CHANEZ M: 2980-2981
CHANG J: 608
CHANG KS: 609
CHANG LL: 519
CHANG PL: 610, 2900
CHANKOVA P: 425
CHANTLER C: 208
CHAO YM: 611-612
CHAPELLE P: 1482
CHAPLIN H JR: 613
CHAPLIN MF: 1930
CHAPMAN AB: 660
CHARAWANAMUTTU AM: 614
CHARD T: 2788
CHAREZINSKI M: 615
CHARLES D: 3898
CHARNESS ME: 65
CHARNOT Y: 616
CHARRANSOL G: 2484
CHARREAU E: 4062
CHARRIER MF: 2666
CHARTIER BARADUC MM: 617
CHARVAT J: 618-619, 2482, 2901
CHARVET JP: 1761
CHASE MH: 620
CHASSAING C: 790
CHATEAU D: 621
CHATTERJEE A: 3168

CHATTORAJ SC: 3898
CHATURVEDI UC: 1415
CHAURAND JP: 622
CHAUSSAIN JL: 1791
CHAVEZ ME: 3238
CHAVEZ ARTEAGA R: 598
CHAVEZ DOMINGUEZ R: 2700
CHAVRE VJ: 4097
CHAYEN J: 623
CHAYEN R: 134
CHAYKIN S: 1280, 2114
CHEAH JS: 624
CHECHAN C: 2275
CHECHETKIN AV: 918
CHEKUNOVA MP: 2577
CHELMONSKA B: 625
CHEN CH: 626
CHEN H: 2909
CHEN KP: 1649
CHEN SY: 2372, 3217
CHEN TC: 627
CHEN Y: 2909
CHENG H: 2011
CHENG M: 628-629
CHENG TC: 1489
CHENOWETH M: 1539
CHEPKII LP: 3890
CHERBONNEL GM: 714
CHERNIK DA: 630
CHERNOSKY ME: 631
CHERNOV VN: 3326
CHERNYSHEV VI: 467
CHERNYSHEVA LM: 4011
CHETVERUKHIN VK: 268
CHEUNG T: 459
CHEVALLEY J: 1383
CHEVILLARD L: 2166
CHEY WY: 382
CHEYMOL J: 255
CHIAINI J: 2296
CHIARIELLO M: 3338
CHIBA A: 632
CHIBA K: 4190
CHICHIRO VE: 3488
CHIDAMBARAM S: 633
CHIDSEY C 3D: 2107
CHIGNELL AH: 634
CHILDS EA: 635
CHIN AE: 3522
CHIODINI PG: 636, 2291
CHIRKOV IUIU: 387
CHIRPAZ MF: 3812
CHIRVASIE R: 637, 2947
CHIS R: 3913-3914
CHISHOLM GD: 2389
CHISHOLM M: 638
CHISWICK ML: 639
CHISZAR D: 640
CHIU J: 4125
CHLADEK D: 243
CHLAPOWSKI FJ: 641
CHLEQ C: 1538
CHO-CHUNG YS: 642-643
CHODNIKIEWICZ J: 2911
CHOKSHI HR: 644
CHONG GC: 645
CHOPRA IJ: 440, 646-647
CHOPRA SA: 1891
CHOUKROUN J: 601
CHOWDHURY SD: 648
CHOWERS I: 1059
CHRAMBACH A: 2592
CHRETIEN M: 881, 2209
CHRISTENSEN AL: 2775
CHRISTENSON CM: 1001
CHRISTENSON T: 649
CHRISTIAN L: 2840
CHRISTIAN LL: 3855
CHRISTIANSEN C: 4090
CHRISTIANSEN EN: 3491
CHRISTIE DW: 650, 1823
CHRISTOPHE J: 651
CHRISTOW CP: 652
CHRISTY NP: 653
CHU J: 1302
CHUA TECO GN: 646
CHUNAEVA MZ: 2116
CHUNG D: 2251
CHUPREVICH TW: 2505
CHURCH RB: 4132
CHUTHANONDH R: 2992
CICERI C: 2624
CICHY W: 3612
CICOGNANI A: 654-655
CIHAK A: 656
CILENTO R: 657
CIOCAN M: 3175
CIONTESCU L: 532
CIPLEA A: 2772-2773
CISLAK I: 2511, 3563
CITHAREL A: 658
CITKOWITZ E: 1617
CIVATTE J: 835-836
CIXOUS P: 3494
CLAEYSSEN G: 1351
CLARK AF: 2187
CLARK DH: 2176
CLARK J: 2147
CLARK JH: 659
CLARK JR: 660
CLARK ML: 2100
CLARK SL JR: 661
CLARK WG: 662
CLARK WH: 3186-3187
CLARKE PB: 535
CLARKSON AR: 477
CLASSEN M: 920
CLAUDE M: 880
CLAUDY A: 3820
CLAUS D: 663
CLAYBAUGH JR: 3534
CLAYTON BE: 1039
CLEGG JB: 2971
CLEMENS LG: 698
CLEMENT J: 665, 2923
CLEMETT RS: 634
CLERARY RE: 3657
CLERCX L: 297
CLERMONT Y: 2506
CLETON FJ: 1012
CLEVELAND WW: 2274
CLIFFORD P: 1076
CLIFT DC: 2688
CLOSS HP: 2137
CLOSSET J: 664
CLOT J: 3231
CLOUET E: 665
CLOWES GH JR: 2367
COBB LM: 666
COBB M: 2191
COBBEN JJ: 667
COBNER SE: 512
COBON GS: 668
COBURN JW: 2461-2462, 2547
COCA GARCIA MC: 2937
COCCHI D: 1176
COCEANI F: 669
COCHRAN M: 670
COCKBURN F: 168
COCKETT SA: 671
COCO R: 3370
CODACCIONI JL: 672-673, 1761-1762
CODY V: 674
COELHO-NETO AS: 3846
COFFEY RJ: 2191
COHEN A: 675
COHEN DC: 2807
COHEN G: 676, 1527, 3804
COHEN H: 1230
COHEN I: 1053, 1677
COHEN J: 677
COHEN JJ: 1487
COHEN M: 678
COHEN N: 679
COHEN R: 613
COHEN RD: 267
COHEN SL: 1667
COHEN Y: 2442
COHN ML: 680
COINDET J: 2477
COLASANTI B: 681
COLBURN WA: 682
COLBY HD: 683
COLDWELL BA: 662
COLE AJ: 1120
COLE EN: 423, 797
COLE FE: 684
COLE MP: 685
COLE RA: 686, 3902
COLE RB: 687
COLE TO: 1041
COLEMAN AJ: 935
COLEMAN DJ: 688-689
COLEMAN V: 690
COLETTE C: 691
COLLETT RA: 166
COLLIE DJ: 3464
COLLIN JP: 692
COLLINA A: 654
COLLINS DC: 4175
COLLIPP PJ: 2372, 3217
COLLOMB H: 693
COLMER AR: 731
COLNAGHI MI: 2515
COLOMBIES P: 1392
COLOMBO C: 1695
COLOMBO JA: 694
COLON S: 4235
COLONNA AO: 695
COLTMAN CA JR: 3252
COMBARNOUS Y: 664
COMBES B: 4057
COMBRET Y: 2161
COMBRIATO G: 1577
COMBS SP: 492
COMISEL V: 2581
CONARD V: 2200
CONAWAY HH: 696
CONCEPCION MB: 697
CONDORELLI M: 3338
CONFORTI N: 1059-1060, 2712
CONIGLIO LP: 698
CONKLIN RH: 2457
CONNELL MJ: 699
CONNER RL: 2240
CONNOR B: 700
CONRAD ME: 3858
CONROY JF: 701
CONSIGLI RA: 2531
CONSTABLE AR: 3246
CONSTANTINESCU I: 2698
CONSTANTOPOULOS A: 702
CONTE FA: 1306
CONTE N: 3024, 3394
CONTESSE G: 703
CONTRACTOR SF: 704
CONTRUCCI J: 1819
COOK MA: 480
COOKE FW: 1666
COOKE ID: 705
COOKSEY EJ: 706
COONEY DA: 3400
COONS EE: 1451
COOPER CW: 2870
COOPER EL: 3240
COOPER GF: 707
COOPER KJ: 2658
COOPER PR: 708
COOPER T: 645
COOPER UC: 1259
COOVER GO: 1312
COPINSCHI G: 709
COPPEN AJ: 10
COPPI G: 710
COPPOLA JA: 2535
CORBIER P: 711
CORBIT JD: 712
CORCORAN ME: 65
CORDOVA T: 1481
CORDY DR: 495
CORI CF: 3833
CORNALBA G: 2515
CORNEJO M: 3097
CORNELL JS: 713
CORRALES PC: 4-5
CORREA P: 714
CORREA RJ JR: 3872
CORREY JF: 715
CORRIN B: 716
CORSON SL: 717
CORT JH: 1991
CORTES-GALLEGOS V: 718, 2883, 3
CORTES-MARMOLEJO F: 3589
CORTESI GP: 2741
CORTI A: 2965
CORTOT A: 3305
CORVILAIN J: 433, 719
COSSU G: 2616
COSTA A: 720-721, 843
COSTA E: 1366, 1403

LIBRARY U. OF I. URBANA-CHAMPAIGN

CURTISS A: 954
CURZEN P: 773
CURZON G: 540, 1411
CUSTODIO RW: 774
CUTHBERTSON JG: 2310
CUTTS JH: 775
CYPESS RH: 776
CZARNOWSKA-MISZTAL E: 777
CZECH DA: 778
CZIRBESZ Z: 1200
CZYZEWSKI LB: 779

D

DAAE LN: 780
DABHADE KB: 3148
DABROWSKA M: 1465
DACEV B: 781
DACKE CG: 782
D'ACOSTA N: 587
D'ADESKY C: 2274
DAFFNER RH: 1246
DAGCIOGLU M: 3342
DAGIRMANJIAN R: 226
D'AGOSTINO F: 90
DAHL LK: 1726, 3152
DAHL V: 865
DAHLEN HG: 3435
DAHLSTROM G: 783
DAHNERS HW: 449
DAIRMAN W: 389
DAJANI RM: 784
DA LAGE C: 3964
DALDERUP LM: 785-786
DALE A: 315, 787
DALE SL: 788
DALHOUSE A: 3641
DALITH M: 1060
DALLAIRE L: 789
DALLE M: 790-791
DALLES K: 2252
DALMAU JM: 792
DAL PIAZ V: 3031
DALTON AJ: 737
DALTON K: 793
DALTON T: 3609
DALY JR: 623
DALY RJ: 10
DALZELL DP: 794
DAM-TRUNG-TUONG M: 2421
DAMADIAN R: 2578-2579
DAMASSA AJ: 495
DAMBACH G: 1157
DAMJANOV I: 3621
DAMKJOER M: 1838
DAMRON BL: 795
DAN V: 418
DANDEKAR PV: 1153
DANENBERG K: 1729
DANIEL B: 3562
DANIELLO I: 524
DANIELSSON H: 348
DANIL'CHENKO MA: 2610
DANILO P JR: 4120
DANKIEWICZ J: 2553
DANON M: 381
DANOVA LA: 796
DANUTRA V: 797
DANZO BJ: 798
DAO TL: 799-800
DARAGO LS: 1589
DARMSTADT RA: 3287
DARNIS F: 1990
DARRAGH A: 909
DART RA: 968
DAS AC: 2713
DAS KC: 1600
DAS RM: 2439
DAS GUPTA P: 325
DATSENKO VS: 801
DATSKOVSKII BM: 802
DATTA AG: 1452, 3169
DATTANI KK: 3933
DATTWYLER B: 2575
DAUBEN WG: 803
DAUDET M: 808
DAUGHADAY WA: 1000
DAUGHADAY WH: 756, 804, 1738, 3023
DAUM F: 805
DAUNTER B: 1008
DAUTRY JC: 1747
DAVEY KG: 806
DAVID D: 2324, 3863
DAVID JR: 2032
DAVID L: 807, 1782
DAVID M: 808
DAVID R: 420
DAVIDOFF F: 809
DAVIDSON D: 4197
DAVIES H: 704
DAVIES P: 810
DAVIES S: 3784
DAVIES WA: 811
DAVIS BH: 731
DAVIS HL JR: 812
DAVIS JO: 439, 1804, 3642
DAVIS K: 684
DAVIS KJ: 1352
DAVIS LE: 410
DAVIS NC: 4098
DAVIS NR: 813
DAVIS P: 2225
DAVIS RD: 3400
DAVIS RE: 814
DAVIS RH: 2345
DAVIS RM: 815
DAVIS RP: 2643
DAVIS S: 1053
DAVIS SL: 816
DAVIS WC: 59
DAVISON AM: 1674
DAVISON K: 817
DAVOLI C: 3352
DAVYDOVA AI: 3133
DAW E: 818
DAWSON AM: 2100
DAWSON EB: 819
DAWSON JL: 820
DAWSON RG: 821
DAWSON WW: 4249, 4252
DAY BN: 864
DAY MD: 822
DE UJ: 823
DE ALVAREZ RR: 824-825
DEAN FD: 826
DEAN RH: 1140
DEANESLY R: 827
DEANS RJ: 1764
DEATON JW: 2487
DEB C: 885
DEBAENE A: 1769
DEBEVERE JM: 828
DEBOWY J: 1222
DEBRECENI L: 829-830
DEBY C: 831
DE CABREJAS ML: 4063
DE CASTRO CR: 587
DECHAMBRE RP: 832
DECKER JL: 1964
DECKERS P: 845
DECOULX M: 833
DEE WF: 4051
DEES JE: 834
DE FENOS OM: 587
DE FERREYRA EC: 587
DEFFEZ JP: 2146
DEGAND P: 857
DEGOS R: 835-836
DE GRANDI P: 489
DEGROOT L: 837
DEGROOT LJ: 334, 3151
DEGROSSI OJ: 4063-4064
DEGUCHI T: 838-839
DEKABAN AS: 428
DE KRETSER DM: 840
DELAAGE M: 841
DE LA CRUZ A: 3023, 4227
DE LENA M: 842
DELANEY JP: 1285
DELANEY JR: 3381
DELANGE F: 843-844, 3818
DE LA RIVA IJ: 230
DELAUNAY M: 2625
DELAVA S: 1482
DELAVAN GW: 4088
DELAVENNE J: 2214
DELBARRE F: 3183, 3373
DEL BIANCO PL: 3554
DEL CAMPO CH: 1286
DEL CASTILLO E: 4062

DELCHER HK: 340
DELELLIS RA: 845
DE LEO T: 1201
DELESPESSE G: 846
DELHUMEAU-ONGRAY G: 847
DELIGDISH L: 1772
DELLACASA L: 2427
DELLACHA JM: 2972
DELLE M: 492
DELLENBACH P: 2683
DELLING G: 2309
DELMAGE DA: 848
DELMONT JP: 1382
DELORENZO RJ: 849
DELOST P: 790-791, 2609
DEL POZO E: 489, 850
DEL POZO OJEDA A: 792
DEL ROSARIO ALONSO M: 3238
DEL ROSARIO RUIZ M: 3238
DELUCA HF: 422, 627
DELUCA HF: 851
DELUCA HF: 852
DELUCA HF: 853
DELUCA HF: 1268, 1609
DEL VILLAR RG: 854
DEMAREE GE: 2362
DE MAYO AP: 1262
DEMCHENKO AN: 3955
DE MEESTER P: 3025
DEMESY-WAELDELE F: 855
DEMEYTS P: 655
DEMINATTI M: 856-857
DEMISCH K: 858
DEMLING L: 920
DEMONET B: 1263
DEMSKI LS: 859-860
DENAMUR R: 1871
DE NAYER P: 861
DENCKER L: 862
DENCKLA WD: 863
DENDO I: 3226
DENEKE WA: 864
DENENBERG VH: 3008
DE NICOLA AF: 865
DENINE R: 1007
DENIS F: 1585
DENK H: 866
DENMAN AM: 3124
DENNIS MV: 1558
DENSON KW: 867
DENT JN: 868
DENUK H: 3359
DEODHAR SD: 2099
DEOL MS: 869
DE OLIVEIRA LF: 870
DE PALO GM: 842
DEPIEDS R: 673
DEPOWSKI M: 2939
DA PRADA M: 871
DERECKI J: 192
DERENNE JP: 872
DEREVIANKO VP: 18
DERKACH VS: 2742
DER KALOUSTIAN VM: 873
DE ROBERTIS EM JR: 1846
DEROME P: 3715
DERRIG RG: 659
DERZHAVIN VM: 874
DESAI AD: 875
DESAI L: 1265
DESAI P: 726
DESANTO LW: 876
DESCHODT-LANCKMAN M: 651
DESCHREYER M: 297
DE SCHRYVER A: 146
DESEO KV: 877
DESHAYES P: 1669
DESHPANDE DH: 875
DESHPANDE N: 2248
DESIDERIO DM: 2545
DESLAURIERS R: 878
DE SOUZA E SILVA NA: 879
DESPROGES-GOTTERON R: 880
DESSAINT JP: 1141
DESSY C: 881
DESSYPRIS A: 2983
DETHLEFS B: 882
DETREVILLE RT: 1389
DEVICTOR-VUILLET M: 1202
DEVILLECHABROLLE A: 1346
DE VISSCHER M: 861
DEVITA VT: 158, 4206
DEVLIN JG: 3953
DEVOS M: 2210
DE VRIES KL: 957
DEWAILLY P: 2105
DEWHURST SA: 883
DE WITTE C: 884
DEY SK: 885
DHALLA NS: 886, 3734
DHARIWAL AP: 2959
DHINDSA DS: 887
DHONDT G: 888
DIADHIOU F: 714
DIALLO A: 1383
DIAMOND R: 1633
DIAZ LA: 889
DIAZ GALVEZ M: 1562
DIAZ GOMEZ MI: 587
DIAZ INFANTE JS: 1882
DIAZ-JOUANEN E: 41
DIBONA GF: 1864
DI CARLO V: 1655
DICKINSON A: 890
DICKSON AD: 1614
DICKSON RA: 891
DIDENKO TS: 357
DIDERHOLM H: 904
DIECKE FP: 1369
DIERSCHKE DJ: 1887-1888, 2963, 4189
DIETRICH AP: 531
DIETZ T: 2131
DIETZMAN RH: 892
DIGAUD A: 961, 1144
DIGIESI V: 99
DIHLMANN W: 893
DI JORIO M: 3059
DIKSTEIN S: 894
DILKE TF: 895
DILKS RA: 1660
DILLARD MG: 896
DIL'MAN VM: 897
DILS R: 567-568, 1461
DI MARIA G: 3442
DIMINO MJ: 898
DIMITRIU G: 899
DIMKOVA LJ: 3796
DIMOND RC: 900
DIMOV V: 901
DINCULESCU M: 3490
DINEEN JK: 1925
DINGEMANS KP: 902
DINKOV IV: 903
DINTER Z: 904
DIORIO LP: 905
DI STEFANO A: 299
DISTLER A: 906
DI TONDO U: 591
DIX V: 907
DIXIT: 908
DIXON GH: 2303
DIXON JS: 2251
DIXON MF: 2786
DIXON R: 909
DJABRI M: 1746
DJOSELAND O: 910
DLOUHA H: 911
DLUGOVITZKY DG: 3408
DMITRIEV IM: 912
DMITRIEVA EN: 1858
DMITRUK E: 2911
DMOWSKI WP: 3495
DOBA N: 913
DOBRE V: 4144
DOBSON H: 914
DOBSON RL: 1965
DOCKRAY GJ: 915
DODD JM: 4136
DOES JA VD: 1946
DOGGETT NS: 916-917
DOKTOROVICH NL: 918
DOLAIS JR: 2122
DOLGINOW YD: 3712
DOLL R: 3978
DOLMAN A: 754
DOMINGUEZ AE: 919
DOMINGUEZ R: 3597
DOMINIC CJ: 2097
DOMSCHKE S: 920
DOMSCHKE W: 920
DONALDSON EM: 1191
DONATH A: 3296
DONDERO F: 921
DONIACH D: 4060-4061
DONIACH I: 922
DONINI P: 923
DONINI S: 923
SCHIMPFF RM: 924
DONNADIEU M: 1345
DONNELLY FC: 2334
DONOHUE JP: 4078
DONOSO AO: 925
DONOVAN AJ: 3558
DONOVICK PJ: 926
DONTA ST: 927
DONY A: 884
DOOLITTLE DP: 4050
DOOLITTLE JP: 551
DOPPMAN JL: 336, 928
DOR P: 297
D'ORAZIO EA: 1190
DORDEVIC P: 3605
DORFMANN H: 929
DORNER I: 613
DOROGAN' DA: 930
DORR DL: 604
DORSIT G: 490
DOSHCHITSIN VL: 931
DOSHI NS: 87
DOSKIN VA: 932
DOSKOVA M: 1446
DOSKOVA N: 1445
DOUGLAS JR JR: 2743
DOUGLAS RJ: 933
DOUVRES FW: 934
DOWNING JW: 935
DRAC P: 936
DRACA P: 937
DRALLE L: 1619
DRATMAN MB: 218
DREIFUSS JJ: 1361, 2803
DREISER R: 938
DREIZEN S: 2243
DREXLER H: 3145
DREZNER Z: 2149
DRISCOLL SG: 1519
DROEGEMUELLER W: 3245
DROST-HANSEN W: 939
DROSTE KD: 940
DROSZCZ W: 941
DRUMMOND GI: 3735
DRUMMONG GI: 2986
DRUTZ DJ: 942
DRYBURGH JR: 480
DRZHEVETSKAIA IA: 943
DUAX WL: 674
DUBIEN M: 276
DUBIKAITIS IUV: 406
DUBIN EC: 1652
DUBINSKY B: 944
DUBLON P: 159
DUBNICK B: 945
DUBOIS D: 1088
DUBOIS MP: 946, 3867
DUBOIS RS: 2342
DUBUC PU: 947
DUCHATEAU J: 846
DUCKWORTH WC: 1978
DUDLEY GK: 3468
DUDUISSON M: 4159
DUFAURE JP: 948
DUFY B: 949
DUFY-BARBE L: 950
DUHAULT J: 951
DUIGNAN NM: 952
DUJOVNE I: 896
DUKELOW WR: 1764
DULAR R: 2119
DUMAS JC: 953
DUMAS M: 693, 1554, 2409
DUMAS R: 1771
DUMLAO JS: 473
DUMONT F: 3337
DUMONT JE: 2184
DUMONT M: 678
DUNCAN H: 954
DUNCAN JR: 1651
DUNLAP JL: 955, 1257-1258
DUNN A: 1539
DUNN E: 2940

LIBRARY U. OF L. UMDNJ-RWJMS

EGLE JL JR: 990
EGUCHI Y: 991
EIBERGEN R: 2848
EIBERGEN RD: 992
EICHELMAN BS JR: 993
EICHHORN D: 2053
EICHNER E: 994
EIDE A: 995
EIDEL'SHTEIN SI: 2938
EIDINGER D: 8
EIK-NES KB: 25, 4058
EINARSSON K: 996
EINBRODT HJ: 997
EISENBARTH GS: 340
EISENSTEIN EM: 2389
EKINS RP: 476
EKNOYAN G: 2443, 3732
EKPECHI OL: 998
ELBRINK J: 999
ELDERS MJ: 1000
ELEFTHERIOU BE: 1001, 1004
ELEMER G: 2880
ELEWAUT A: 1002
ELGER W: 1003
ELGHAMRY MI: 1512
ELIAS MF: 1004
ELIASOPH I: 3474
ELIS J: 2766
ELKIN H: 825
ELKINGTON JS: 1005
ELLEGAST HH: 1006
ELLIOTT HW: 1905
ELLIS KR: 419
ELLIS S: 1040
ELMORE DT: 1616
ELMOUGY SA: 1512
ELODI P: 3211
ELSAIR J: 1007
ELSON C: 4003
ELSTEIN M: 1008
EMERYK B: 3122
EMMERSON BT: 4105
ENDE A VAN DEN: 4070
ENDERLE B: 2213
ENERBACK L: 1009
ENG LA: 868
ENGEL CR: 1010
ENGEL LL: 432
ENGEL W: 1011
ENGELBART S: 3451
ENGELBERTH O: 2411
ENGELS EP: 2448
ENGELSMAN E: 1012
ENGLARO GC: 1013
ENLOE LJ: 1819
ENSOR DM: 1014
ENTMAN ML: 3461
EOLIAN ES: 2513
EPPENBERGER U: 1572
EPSTEIN FH: 1015
EPSTEIN JA: 3146
EPSTEIN N: 302
EPSTEIN RB: 1946
EPSTEIN W: 3303
ERANKO L: 1016
ERANKO O: 1016
ERASMUS FR: 3917
ERBLER HC: 3460
ERDMANN E: 4148
ERDOSOVA R: 911
EREMINA GA: 931
EREZ S: 3421
ERFLING WL: 443
ERICKSON BH: 1017
ERICSSON JL: 1337
ERIKSSON K: 27
ERIKSSON M: 1018
ERLE G: 1019, 1056
ERMANS AM: 843-844, 3818
ERMOLINA NO: 1197
ERMULOVICH IAV: 1863
ERNEST C: 2989
ERNST CB: 1020
ERNST P: 1884
ERTAMA P: 4204
ERVAST HS: 1750
ERVE PR: 3455
ESCH I: 1021
ESCOUROLLE R: 581
ESCOUSSE A: 1022
ESELIUS EP: 3463
ESKAY RL: 2864-2865
ESLER MD: 1023-1024
ESPIRITU CE: 3381
ESSER J: 1396
ESTERHAY RJ JR: 1025
ESTES J: 3271
ESTES PC: 1657
ETCUBANAS E: 3778
ETIENNE P: 2693
EL-ETREBY MF: 1026
EUCHENHOFER M: 1534
EUCHLER HB: 3442
EVANS DG: 2860
EVANS HH: 360
EVANS HJ: 4125
EVANS J: 1027
EVANS JA: 1028
EVANS JS: 131
EVERETT JW: 1029-1030, 3387-3388
EVERSE J: 2186
EXARCHOU E: 2914
EXLEY D: 914
EXTON JH: 119
EYRE DR: 1031

F

FABER LE: 1032
FABIAN F: 1044
FABRE LF JR: 1033
FABRIZI GC: 1034
FABRO S: 1494
FACKTOR MA: 1163
FAGLIA G: 1035-1036
FAHMY MJ: 1037
FAHMY OG: 1037
FAILLA ML: 3618
FAIMAN C: 405, 3213
FAIRBAIRN D: 3786-3787
FAIRBURN B: 1038
FAIRNEY A: 1039
FAIRWELL T: 1040
FAIVRE J: 2961
FALASE AO: 1041
FALLAT R: 1301
FALUS M: 1042
FANCHENKO ND: 467
FARAGALLA FF: 1043
FARAGGI G: 161
FARAGO A: 1044
FARCOT J: 2841
FARID NR: 1045
FARID Z: 1046-1047
FARISSE J: 1382
FARMER RW: 1033
FARNEBO LO: 298
FARNER DS: 1664, 2549-2550
FARNHAM ML: 537
FARNSWORTH NR: 1048
FARNSWORTH WE: 1049
FASCIOLO JC: 2799, 3117
FAURE JM: 949-950
FAVARO S: 156-157
FAVRE R: 1984
FAVUS MJ: 1050
FAWCETT DW: 3994
FAWCETT JK: 1051
FAWELL WN: 1052
FAYEMI AO: 1053
FAZIO C: 1054
FEDERMAN DD: 1055
FEDERSPIL G: 1019, 1056, 3394
FEDORCHENKO OE: 4247
FEDOROV AN: 172
FEGER J: 1219
FEHM HL: 3414
FEIGELSON P: 3457
FEIGIN RD: 1057
FEIGL EO: 4236
FEINGOLD J: 337
FEINLEIB M: 3464
FELBER JP: 2671
FELDBERG W: 344
FELDER E: 1058
FELDMAN JM: 347, 2410
FELDMAN M: 367
FELDMAN S: 1059-1060, 2712
FELDSTEIN A: 1061
FELIX JM: 1062, 3745

FELKER RE: 1063
FELL PJ: 1064
FELTHAM LA: 2584
FELTKAMP-VROOM TM: 754
FENDLER JP: 1065
FENDLER K: 1066
FENELEY RC: 3504
FENG PH: 1067
FENZI GF: 1068
FERENCZ A: 278
FERGUSON JD: 3519
FERGUSON WW: 1069
FERINGA ER: 1070
FERM VH: 573
FERNANDEZ BE: 919
FERNANDEZ JM: 599
FERNELIUS AL: 1657
FERNIE A: 3899
FERON VJ: 1071
FERRAND B: 2893, 2953
FERRARI C: 1035-1036
FERREIRA A: 1072, 3143
FERREIRA SH: 1073
FERRELL L: 1892
FERRIE F: 3161
FERRIER PE: 2164
FERRIS BG JR: 1074
FERRIS TF: 3680
FEUSTEL A: 1075
FIALKOW PJ: 1076-1077
FIBIGER HC: 1078
FICHMAN MP: 2758
FIELD LH: 1079
FIELD PM: 3129
FIERRO-BENITEZ R: 1080-1081
FIFE TH: 1082
FIGAROVA V: 1083, 3093
FIGUEROA M: 929
FIJALKOWSKI W: 1084
FILATOV IUM: 1085
FILINA TF: 1086
FILIPP G: 1087
FILLASTRE JP: 1088, 1669-1670, 2230
FILLER R: 1089
FILOV VA: 796
FINCHER JH: 2809
FINEBERG SE: 2526
FINGERHUT P: 2275
FINGERMAN M: 1090
FINGEROVA H: 3775
FINIZIO FS: 1091
FINK G: 32
FINKELSTEIN JW: 420
FINLEY SC: 1092
FINLEY WH: 1092
FINN CA: 1093, 2439, 3051
FINOCCHI G: 1289
FIORENTINI C: 1399
FIREMAN P: 1163
FIRSOV AA: 3749
FIRST MR: 1094
FIRST MW: 1074
FIRST NL: 660, 1095, 1220-1221, 2808
FISCHBACH R: 1096
FISCHER CL: 2178
FISCHER GA: 2337
FISCHER HU: 3458
FISCHER JA: 1097
FISCHER W: 1861
FISCHGOLD H: 1098
FISEROVA-BERGEROVA V: 1099, 3892
FISHBEING E: 2402
FISHBURNE JI JR: 446
FISHER AB: 1748
FISHER AE: 1798-1799
FISHER B: 1100
FISHER DA: 1000
FISSEKIS JD: 1101
FITTERER R: 725
FITZGERALD CR: 4252
FITZPATRICK C: 359
FITZPATRICK LF: 1102
FITZPATRICK TB: 3628
FLAMENT-DURAND J: 2796
FLANIGIN H JR: 2737
FLATZ G: 1103
FLAWIA MM: 1104
FLAWIA MM: 1786
FLAX H: 1105-1106
FLAXMAN BA: 1107
FLECHTNER T: 447
FLECKENSTEIN A: 1530
FLEISCH H: 3328, 3417
FLEISCHER J: 2630
FLEISCHER N: 1108
FLEISCHER S: 2504
FLEISCHMAN RW: 3400
FLEMING LW: 1109
FLEMMING K: 1110
FLETCH SM: 1111
FLETCHER B: 3182
FLETCHER DS: 1112
FLETCHER IC: 1113, 2273
FLETCHER S: 3302
FLEXMAN JE: 2604
FLICKINGER CJ: 1114
FLINT G: 1115
FLOHR H: 449
FLOOD C: 1116
FLORES F: 1117
FLORESCU O: 1348
FLORINI JR: 1118
FLORO LD: 1686
FLOSS HG: 1119
FLOURET GR: 1120, 4109
FLOWERS BF: 2555
FLYNN JP: 1121, 3556
FLYNN M: 1122
FOA PP: 1962
FOCESI A JR: 3970
FOGEL M: 4142
FOGLIA VG: 3205
FOLDES A: 1123
FOLEY EI: 3383
FOLKARD J: 13
FOLKERS K: 1795-1796
FOLKOW B: 1124
FOLLENIUS E: 1125
FOLLENIUS M: 430, 1126
FOLLETT BK: 2768
FOLTZER C: 1127
FONBERG E: 1128
FONCIN JF: 1129, 2181
FONTAINE N: 1130
FONTAN D: 3494
FONTANA JA: 1131
FONTANA S: 3352
FONTANELLE J: 1132
FOOTE WD: 2930
FORBES CD: 1642
FORBES E: 2940
FORBES IJ: 1133
FORBES MS: 868
FORBES WB: 1963
FORD JA: 3086
FORD S JR: 1301
FOREST MG: 1134-1135
FORGACS I: 1196
FORMENTO ML: 3030
FORNACI M: 289
FORNIERI C: 394
FORREST AP: 423, 2568
FORREST JE: 3869
FORRESTER RM: 1136
FORRISTAL J: 4098
FORSHAM PH: 3319
FORSLING ML: 1137
FORSTER W: 1138
FORSYTH IA: 1139
FORSYTHE AB: 3840
FORTE JG: 3170
FORTUNY I: 1959
FOSTER JH: 1140
FOTHERBY K: 1754, 2369
FOUGERES R: 1467
FOURLINNIE JC: 1141
FOURNIER A: 1142-1144
FOURNIER E: 3976
FOURNIER P: 960-961, 1144, 2288
FOUSSEREAU S: 1145
FOWLER KC: 2467
FOWLER NA: 3189
FOX JE: 2101
FOXCROFT GR: 1146
FRALEY EE: 1147
FRANCHIMONT P: 950, 1148-1149, 2201-2202, 3629
FRANCIS MJ: 1150
FRANCKE U: 3640
FRANCOIS PE: 101
FRANCOIS R: 807
FRANDSEN EK: 1151
FRANK DF: 2239
FRANK F: 3750
FRANK GH: 1657
FRANKEN L: 2796
FRANKL WS: 2172
FRANKLIN MR: 1152
FRANTZ AG: 2794
FRANZEN LA: 689
FRASER IS: 167
FRASER LR: 1153
FRASER TR: 70, 2011, 3894
FREED BR: 1478
FREED S: 1299
FREED WJ: 2519
FREEDMAN GS: 4220
FREEDMAN J: 1154
FREEDMAN ML: 1155
FREEDMAN SH: 1156
FREIDMANN N: 1157
FREIREICH EJ: 3252
FRENCH FS: 1158
FRENCH LA: 2298
FRENKEL' GM: 2405
FREUND M: 3966
FREWIN DB: 1159
FREY LG: 1160
FREY MJ: 819
FREY T: 1161
FREYCHET P: 1766, 3294
FREYCON MT: 1401
FREYVOGEL TA: 456
FREZAL J: 337, 452
FREZZATO S: 3394
FRIC I: 1849
FRICH JC JR: 7
FRICK A: 3648
FRICK V: 1162
FRICKER ES: 4054
FRIDAY GA: 1163
FRIDBERG G: 4126
FRIED J: 707, 1164
FRIED JH: 574
FRIED PA: 1165
FRIED W: 1166
FRIEDERICH HC: 1300
FRIEDLER RM: 2462
FRIEDMAN EA: 1167
FRIEDMAN M: 539
FRIEDMAN S: 1168
FRIEDMAN-BIRNBAUM R: 1444
FRIEDRICH E: 3423
FRIEDRICH F: 1169-1170
FRIEDRICH P: 1171
FRIES D: 4235
FRIES JF: 1172, 3693
FRIESEN H: 489, 850, 1173, 1685
FRIESEN HG: 3542, 3905
FRIS T: 2776
FRISCHE M: 3301
FRITCHIE GE: 1033
FRITEL D: 1065
FRITZSCHE W: 1535
FROELICHER VF JR: 1174
FROESCH ER: 3207
FROHLICH ED: 1175
FROHMAN LA: 1176-1177, 3455
FROLICH JC: 3753
FROLOVA IA: 1178
FROMANTIN M: 2168
FROMMER GP: 2242
FROMMEYER WB JR: 983
FROST HM: 1350, 4124
FROST P: 1179, 2976
FROWEIN J: 1180
FRY JL: 2527
FRY L: 58
FRY WJ: 1020
FRYDENDAL N: 3868
FUENMAYOR L: 1181
FUJII J: 1182
FUJIMORI M: 1183, 2729
FUJIMURA R: 1184
FUJITA T: 1185-1187, 2886
FUKUDA N: 4183
FUKUMOTO M: 2637
FUKUSHIMA DK: 1212
FUKUSHIMA N: 3375
FULLER GC: 2144
FULLER RW: 1188

LIBRARY U. OF L. URBANA-CHAMPAIGN

GARLAND JT: 1000
GARLID KD: 3472
GARMENDIA F: 1228
GARNER A: 1470
GARNER FM: 2354
GARNER RW: 1229
GARNETT ES: 1230
GARNIER PE: 1231
GARRETT NE: 1232
GARRETT RJ: 1232
GARRIGOU-LAGRANGE C: 878
GARRISON RJ: 3464
GARRON DC: 1233
GARSTKA W: 320
GARTMANN H: 2877
GARTNER SL: 1234
GARY GL: 36
GAS N: 2789
GASIC GJ: 1235
GASIC TB: 1235
GASNAULT JP: 1236
GASPARD U: 1149
GASPARINI C: 1237
GASS GH: 1238
GASS JD: 1239
GATES AH: 604
GATHIER C: 948
GAUD C: 2183
GAUDILLIERE JP: 2210
GAUGUIN J: 3268
GAULT W: 4040
GAUSACH PP: 1240
GAUTHIER M: 408
GAUTHIER R: 1359
GAUTVIK KM: 1241
GAUX JC: 1065
GAVRILENKO EV: 3548
GAVRILITA L: 148
GAY H: 2985
GAYFORD JJ: 1242
GAZAREK F: 3775
GAZZETTI P: 3358
GAZZOTTI P: 562
GEBHART GF: 1243
GEDALIA I: 4160
GEELHOED GW: 1244
GEHANNO P: 2135
GEHRES LD: 1245
GEHRMANN G: 1522
GEHWEILER JA: 1246
GEIERHASS B: 1110
GEISSLER U: 1247
GEISTHOVEL W: 1248
GELBAND H: 4120
GELBKE HP: 1249-1250
GELLER I: 1251
GENAZZANI A: 2213
GENEST J: 1218, 2105, 3259
GENIAUX M: 1252
GENIS ED: 2387
GENOUD J: 1401
GENOVESE MG: 3001
GENOVESE VH: 1253
GENTON E: 2107
GENTRY WC JR: 1254
GEORGE AE: 44
GEORGE JM: 1255
GEORGE Y: 1256
GEORGIEVSKI P: 1433
GEORGII A: 3816
GERACI A: 3599
GERALD JW: 860
GERALL AA: 955, 1257-1259
GERASIMENKO PP: 1260
GERBER C: 1922
GERBER MA: 1053
GERBINO PP: 1261
GERL D: 2810
GERMAIN GS: 2177
GERMAN J: 1262
GERMERSHAUDEN J: 3614
GERMINO NI: 2838, 3140
GERMOUTY J: 1263
GEROCH ME: 1977
GEROGE J: 2692
GERRARD AM: 1828
GERVAIS P: 3976
GESSA GL: 735
GESSNER PK: 1264
GESSNER T: 1264
GEVENS J: 297
GHACHEM M: 1744, 2588
GHADIMI H: 1265
GHANADIAN R: 2369
GHARIB H: 1266
GHARTEY KN: 1267
GHAZARIAN JG: 1268
GHEORGHIU A: 2774
GHIRINGHELLI C: 2616
GHODSE AH: 3185
GHOSH D: 1269
GHOSH SN: 3136
GHOZLAN R: 1270, 3373
GHRAF R: 1271
GIACOMONI P DE: 144
GIANNOPOULOS G: 1272-1274
GIAROLA A: 1275
GIBB W: 1276
GIBBONS RP: 3872
GIBSON D: 72
GIBSON JE: 1277
GIFFORD RW: 436
GIGON A: 948
GILBERT AB: 4166
GILBERT LI: 4114
GILBERT-DREYFUS M: 1278
GILBY ED: 716
GILES M: 168
GILEVICH IUS: 1279
GILL GN: 4049
GILL MB: 1690
GILLADOGA A: 3778
GILLAM SS: 1280
GILLAN DJ: 4113
GILLES FH: 1876
GILLESBERGER W: 128
GILLESPIE A: 488
GILLESPIE E: 1281, 3040
GILLESPIE R: 2451
GILLESSEN D: 1936-1937
GILLET JY: 691
GILLETTE RW: 1282
GILLIES P: 2780
GILLIS MH: 2032
GILLMAN T: 1283
GILLY R: 2398
GILMAN AG: 1284
GILMORE JP: 3068
GILSDORF RB: 1285
GIMPEL LP: 3230
GINKEL G: 3424
GINTHER OJ: 1286
GIOLLI RA: 1287
GIORDANA B: 327
GIORGI H: 677
GIOVANELLI M: 1036
GIRALT M: 139
GIRARD F: 1345, 2975
GIRARD J: 237
GIRARD PL: 693, 1554
GIROLAMI M: 1288
GIROTTI F: 1289
GIROTTI M: 3428
GISPEN WH: 1290
GIST DH: 3916
GITSCH E: 1291-1293
GITTES RF: 1294
GJESSING LR: 2986
GLASER V: 2142
GLAVAS O: 1433
GLEBATIS DM: 1756
GLEDHILL BL: 1295
GLEICHER DA: 1296
GLICK B: 1297
GLICKMAN FS: 1298
GLICKMAN SE: 649
GLIEDMAN ML: 1299
GLIMCHER MJ: 1031, 3636
GLOOR M: 1300
GLOSSMANN H: 2452
GLOWINSKI J: 414
GLUECK CJ: 1301
GLUECKSOHN-WAELSCH S: 3833
GLUSHEVITZKY-STRACHMAN D: 1425
GODA K: 1302
GODDEN U: 1618
GODEAU P: 417, 1270, 1467
GODINHO HP: 1303
GOEL BG: 2190
GOERTZ GR: 1304

GOFFIN J: 582-583
GOGALADZE MP: 3956
GOGI A: 2756
GOGOLAK G: 1305
GOL'BER IL: 3955
GOLBUS MS: 1306
GOLD L: 2463
GOLD M: 1299
GOLD RM: 1307
GOLDBERG AH: 2367
GOLDBERG ME: 944, 3353
GOLDBERG ND: 1308
GOLDBERG WM: 2333
GOLDENBERG RL: 1309
GOLDFARB AR: 1962
GOLDHABER P: 1741
GOLDMAN AL: 3465
GOLDMAN AS: 1310-1311
GOLDMAN L: 1312, 2535, 3272
GOLDSCHMIDT B: 3211
GOLDSMITH RS: 1313
GOLDSTEIN DP: 1314
GOLDSTEIN M: 1315, 1904
GOLDSTEIN MA: 3461
GOLDSTEIN S: 3525
GOLINSKA A: 1316
GOLOB E: 1170
GOLOGORSKII VA: 3384
GOLOVIN DI: 1317
GOLSTEIN J: 709
GOLSTEIN-GOLAIRE J: 3818
GOLTZ RW: 1254
GOLUB LM: 1318
GOLUBEVA IV: 1319
GOMEZ J: 963-964
GOMEZ BOSQUE P: 2937
GOMEZ SAN MILLAN M: 138
GONCHARENKO EN: 387
GONCHAROVA MG: 3616
GONCHAROVA VN: 1320
GONELLA J: 1847
GONICK HC: 2063
GONNERMAN WA: 443
GONZALEZ A: 4228-4229
GONZALEZ-ALVAREZ MT: 2435
GONZALEZ-ANGULO A: 3236
GONZALEZ GUTIERREZ JT: 1321
GOOD RA: 1528, 2448
GOODFRIEND TL: 4251
GOODLAD GA: 1322
GOODMAN DS: 1734
GOODMAN M: 356
GOODMAN S: 3245
GOODMAN SA: 1344
GOODNER DM: 1323
GOODWIN JF: 1324
GOODWIN WE: 3602
GOOTJES J: 1325
GORANOV K: 781
GORBMAN A: 1326
GORDAN GS: 3272
GORDIN S: 1327
GORDON A: 1328
GORDON AB: 3579
GORDON AS: 1329-1330
GORDON JH: 1331
GORDON PR: 1332
GORDON RL: 1333
GORMAN CA: 876
GORMAN RE: 345-346
GORMAN SK: 1221
GORSHEIN D: 1447
GORSKI J: 3661-3662
GORSKI RA: 3111, 3288-3289
GORSTEIN F: 4084
GOSPAVIC J: 1334
GOSPODAROWICZ D: 1335-1336
GOSSE C: 832
GOSSET F: 2380
GOSTISHCHEV VK: 1379
GOTHLIN G: 1337
GOTLIN RW: 1338, 2342
GOTO S: 1715
GOTO Y: 1339
GOTSHALL RW: 3642
GOTTESMAN RL: 1340
GOTTFIRES CG: 1341
GOTTLIEB LS: 1342
GOUBERN M: 1343
GOUGH KR: 3222
GOULD AB: 1344
GOULD LV: 3306
GOULD RP: 1841
GOUNELLE JC: 508
GOURGON R: 2938
GOURMELEN M: 1345, 2975
GOUST JM: 1346
GOUTELLE A: 1438
GOVAERTS A: 846
GOY RW: 976
GOZARIU L: 1347-1348
GRACHEVA KP: 1863
GRADINARU I: 2774
GRADZKI J: 1349
GRAEBER CT: 1241
GRAF L: 946
GRAFF KS: 1244
GRAFOVA VN: 2469
GRAHAM CB: 1424
GRAHAM CK: 815
GRAHAM DR: 1350
GRAHAM EF: 892
GRAHAM GG: 1351
GRAHAM SL: 1352
GRAHAM WP 3D: 1353
GRAHAME R: 895, 1504
GRANATEK AP: 3083
GRANDI M: 1058
GRANGAUD R: 1354
GRANGER P: 1218
GRANNER D: 4003
GRANOVA LV: 874
GRANT G: 1355, 3937
GRANT PS: 1356
GRANTYN A: 1357
GRANTYN R: 1357
GRASE EU: 1358
GRASSET J: 1359
GRASSO L: 1068
GRATSIANSKII NA: 931
GRATTAROLA R: 1360
GRAU JD: 1361, 2803
GRAU REAL F: 1362
GRAUER RC: 7
GRAVESTOCK MB: 2649
GRAY CE: 1472
GRAY J: 3641
GRAY JL: 2618
GRAY RW: 422
GRAY SP: 2438
GRAZIANO JH: 1363
GREBE SF: 1364
GREBENNIKOV VA: 1365
GREEN AR: 1366
GREEN D: 1344
GREEN J: 1464
GREEN JD: 1367
GREEN K: 901
GREEN S: 2907
GREENBERG AH: 1351
GREENBERG HB: 165
GREENBERG S: 1368-1369
GREENBERGER NJ: 3822
GREENBLATT RB: 3495
GREENGARD P: 849, 1912, 2103
GREENLEAF JE: 1370
GREENSHUR A: 3245
GREENSIDES RD: 1371
GREENWOOD HL: 1372
GREENWOOD MR: 1809
GREER MA: 2003
GREER S: 1373, 3144
GREGG S: 2339
GREGORY A: 2105
GREGSON NM: 4040
GREIG F: 32, 1374
GREIGHTON DW: 2820
GRENIER J: 2517, 3442
GRENIER JF: 1437
GRETEN H: 3418
GREWAL DS: 2098
GRIBANOV GA: 1375
GRICE K: 2966
GRIFFIN CJ: 1491
GRIFFIN D: 3751
GRIFFIN EE: 1376
GRIFFITH DR: 1582
GRIFFITH ER: 1377
GRIFFITHS CT: 1378
GRIFFITHS J: 552
GRIFFITHS JD: 3579
GRIFFITHS K: 423, 797, 810, 3297
GRIGOLEIT HG: 1561
GRIGORIAN AV: 1379
GRIGORIEV PIA: 1380
GRIMOLDBY MR: 1820
GRINBLAT J: 2238
GRINO E: 1381
GRISHKEVICH VM: 3062
GRISOLI J: 1382
GRITON P: 4045
GRIVAUX M: 1383
GROB M: 1384
GROBECKER H: 906, 2215
GRODIN JM: 1309
GRODZICKER T: 105
GROEN JJ: 1385
GROLLEAU JY: 1386
GRONDAHL HG: 3747
GRONEK B: 2648
GRONOW M: 3356
GRONSKA J: 3267
GROOT AP DE: 1071
GROS EG: 695
GROS F: 703
GROSS F: 1387, 1598
GROSS J: 2276
GROSS JB: 1388
GROSS P: 1389
GROSSMAN SB: 1390
GROSSMAN SP: 1933
GROSSWASSER Z: 2719
GROTA LJ: 1391
GROVER PK: 3754
GROVER S: 1948
GROZDEA J: 1392
GRUBER M: 296
GRUMME T: 1393
GRUNDSELL H: 1394
GRUNDY DJ: 2356
GRUNERT A: 1395, 3234
GRUNERT E: 1396, 1629, 3379
GRUTZNER P: 1397
GRUZOVA MN: 1398
GRYCHTOLIK H: 1994
GRZYBEK H: 2086
GUAZZI M: 1399
GUCCIONE MA: 2900
GUEGUEN S: 409
GUENTER W: 1400
GUERILLOT C: 3964
GUERIN MA: 1304
GUERRERO C: 2804
GUIBAUD P: 1401-1402
GUICHARD A: 3045
GUIDOTTI A: 1403
GUIHARD J: 1404
GUILAINE J: 391
GUILHOU JJ: 3231
GUILLARD JM: 3494
GUILLEMIN R: 355, 517, 1168, 1
3937
GUILLEN MA: 3258
GUILLERMO EO: 2815
GUINET P: 1406
GUIOT G: 3715
GUKELBERGER M: 1407
GULATI J: 1408
GULLINO PM: 642-643
GULYI MF: 1409
GUMAA KA: 1410
GUMPERT J: 1411
GUNN SD: 1412
GUPTA K: 989
GUPTA MB: 324
GUPTA ML: 1413
GUPTA PC: 1418
GUPTA RC: 1414
GUPTA RK: 1415
GUPTA RL: 1416
GUPTA RN: 1417
GUPTA SC: 607
GUPTA SP: 1418
GUPTA SS: 1419
GUPTA TK: 1413
GURAYA SS: 1420
GURD LJ: 486
GURDEN GG: 1070
GURPIDE E: 3886
GURVICH GA: 4234

LIBRARY U. OF L. URBANA-CHAMPAIGN

HAMAMOTO K: 2632
HAMARD H: 1467
HAMBERG M: 110, 1468-1469
HAMBERGER L: 1193, 1476
HAMBIDGE KM: 2342
HAMILTON AM: 1470, 2010
HAMILTON DE: 2812
HAMILTON EI: 1471
HAMILTON JB: 3114
HAMILTON JL: 7
HAMILTON JM: 3356
HAMILTON TR: 1439
HAMILTON W: 1472, 4217
HAMLETT JD: 614
HAMMACK D: 729
HAMMARSTROM LE: 1473
HAMMEL HT: 1474
HAMMON WM: 776
HAMMOND CB: 1367
HAMMOND RP: 1556
HAMOLSKY MW: 1556
HAMON M: 414
HAMPERS CL: 460
HAMPL R: 3610
HAN J: 2190
HANDLER JS: 3731
HANDWERGER S: 1475
HANIU M: 3780
HANNA F: 410
HANNON JP: 2500
HANNON P: 3953
HANSEN C: 2096
HANSEN HH: 2727, 3688
HANSEN JD: 4167
HANSEN JW: 2593
HANSEN S: 2986
HANSEN WH: 1352
HANSING CE: 1545
HANSON CA: 954
HANSSON CG: 1476
HANSSON LI: 3834
HANSSON V: 910
HAPPICH JL: 2135
HARA H: 1477
HARA T: 1478
HARASEK G: 1479
HARASZTI JH: 3515
HARCUS AW: 475
HARDAS U: 1948
HARDIN JM: 3528
HARDISTY RM: 3110
HARDONK MJ: 1668
HARDY JD: 1480
HARDY M: 1386
HARELL A: 134, 1481
HARIGA J: 1482
HARMS RH: 795, 2527, 3260-3261, 3313
HARNDT R: 1483
HARPER ME: 797
HARPER MJ: 1484
HARRALSON JD: 2926
HARRELL LC: 446
HARRER JA: 1485
HARRIGAN P: 1976
HARRINGTON DO: 1486
HARRINGTON JT: 1487
HARRIS EJ: 1488
HARRIS H: 3510
HARRIS JE: 154
HARRIS JJ: 736
HARRIS KR: 1489
HARRIS M: 1490
HARRIS R: 1491
HARRISON EG JR: 305
HARRISON GG: 504
HARRISON J: 3587
HARRISON JE: 1592, 2366
HARRISON TS: 1492
HART BL: 1493
HART H: 219
HART JS: 3252
HART MM: 1494
HART W: 1495
HART WR: 1496
HARTEMANN P: 1497
HARTER JC: 2701
HARTMANN F: 1498
HARTMANN N: 4015
HARTOFILAKIDIS GA: 2914
HARTOG M: 1499, 3504
HARTSOOK EW: 1500
HARTWIG HG: 1501
HARTWIG W: 2777
HARVEY DJ: 1502, 4017
HARVEY JA: 4212-4213
HARVEY RF: 1503
HARVEY W: 1504
HARWOOD JP: 1505
HASANY SM: 1506
HASAYA K: 2787
HASE S: 596
HASEGAWA H: 1507, 1703
HASHIKAWA T: 2550
HASHIMOTO JS: 1508
HASHIMOTO K: 1509, 1730
HASHIMOTO T: 4192
HASHIMOTO Y: 991
HASHIZUME T: 2869
HASIMOTO T: 4191
HASLAM JM: 668
HASLAM RJ: 1510
HASLER AD: 633
HASLUND R: 1511
HASNAIN H: 1146
HASSAN A: 1046-1047
HASSANEIN RR: 1512
HASSELKUS W: 3195
HASSON EP: 1513
HASSOUN J: 3844
HATANO Y: 1907
HATFIELD LM: 3865
HATTINGH J: 1514
HATTORI T: 1515, 1751
HAUGAARD N: 3280
HAUGEN CM: 1493
HAUGEN HN: 910
HAUGER-KLEVENE J: 2667
HAUNSCHILD CD: 1516
HAUSER ER: 2806
HAUSER GA: 3428
HAUSKNECHT RU: 1517
HAUSSLER MR: 2368, 3891
HAVARD CW: 3354
HAVEZ R: 857
HAWK HW: 4059
HAWKES JW: 1518
HAY RW: 2317
HAYASHI H: 1692
HAYASHI S: 2637
HAYEK A: 1519
HAYES JM: 4210
HAYESLIP DW: 7
HAYNES S: 2356
HAYWARD JR: 1520
HAZELWOOD RL: 3038
HAZEN R: 2567
HAZLEMAN BL: 1229
HEAP RB: 115, 1701
HEATH DA: 336, 928
HEATH JW: 1016
HEATH ML: 1521
HEBERER G: 3448
HEBERMAN RB: 47
HEBERT LA: 1721
HEBERT S: 3976
HECHT F: 3090
HECHT JP: 2972
HECHT NB: 1901
HECK J: 1522
HEDINGER C: 1523
HEDLUND MT: 1120, 4109
HEELEY JD: 1524
HEFFNER LJ: 1525
HEHUNSTRE JP: 235
HEIDENRY R: 2629
HEIDT CS: 1526
HEIKKILA R: 3804
HEIKKILA RE: 1527
HEIM F: 3466
HEIM LR: 1528
HEIMER L: 1529
HEIN B: 1530
HEINECKE G: 3454
HEINECKE H: 4255
HEINONEN R: 26
HEINRICH CP: 1531
HEINTZ R: 2826
HEISIG N: 1532
HEISLER N: 3407
HEITZMAN EB: 1533

HELBER A: 1534
HELBIG W: 1535
HELFAND AE: 1536
HELINSKI DR: 1900
HELLE I: 1537
HELLENBRECHT D: 2215
HELLER HC: 1474
HELLER S: 4072
HELLMAN L: 420, 1212, 3282
HELMUS C: 2594
HEMET J: 1538, 2230
HEMINGTON JG: 1539
HEMKE G: 3632
HEMMINGS S: 2986
HEMPELMANN G: 1540
HEMPELMANN W: 1540
HENCH LE: 1541
HENDERSHOT EL: 1542
HENDERSON AS: 4053
HENDERSON ES: 1244
HENDERSON JT: 1543
HENDERSON LE: 1544
HENDERSON RR: 1545
HENDRICK JC: 950
HENDRICKS CH: 446
HENDRICKS SE: 1257, 1546
HENDRIKSE JC: 1547-1548
HENDRY JA: 1549
HENDRY WF: 3519
HENGST P: 1694
HENKE PG: 1550-1551
HENLEY MW: 3061
HENNEMANN G: 754
HENNEN G: 664
HENNESSY JF: 2870
HENNEY CS: 1552, 3040
HENNEY HR JR: 2327
HENRIKSSON D: 1544
HENRY M: 1553
HENRY R: 1553
HENZL MR: 718, 2883
HEPLER RS: 4198
HEPP F: 3434
HEPP KD: 3207
HEPPNER GR: 763
HEPTNER W: 3367
HERAUT L: 1554
HERBERG LJ: 375
HERBERMAN RB: 2334
HERBERT V: 3674
HERBST JJ: 2018
HERD JK: 1555
HERD PA: 1556
HERISHANU Y: 1557
HERLANT M: 881
HERMAN JH: 1558
HERMAN ZS: 1559
HERMANSKA Z: 266
HERMIER C: 1560
HERRATH D VON: 1561, 3397-3398
HERRERA JUSTINIANO E: 138, 1562
HERRMANN J: 2778
HERSH EM: 2485
HERSHBERGER TV: 1500
HERSHMAN JM: 1563
HERVEY R: 2389
HERVONEN A: 1564
HERVOUET D: 1386
HERY M: 2669
HERZ A: 3199
HERZMANN J: 3092
HERZOG HL: 3510
HESCH RD: 1565, 1661
HESS DL: 3208
HESS ME: 335
HESSE JE: 3303
HETENYI G JR: 1566
HETZEL BS: 1567, 3013, 4042
HETZER FK: 2467
HEUMANN W: 1568
HEUSER HP: 1569
HEY AH: 1831
HEYNEN G: 1149
HIASA Y: 2508
HIDAKA H: 1570
HIDALGO J: 3920
HIEBERT JM: 1571
HIESTAND PC: 1572
HIGASHI R: 1588
HIGASHIYAMA S: 2113
HIGGINS JV: 236
HIGGINS PM: 648
HIGHMAN VN: 1573
HILBORN JC: 1574
HILDEBRANDT AG: 3274-3275
HILF R: 1575
HILGARD P: 1576
HILGENFELDT U: 2529
HILGERT I: 2218
HILL A: 2269
HILL CW: 1577
HILL ID: 3409
HILL M: 3514
HILLIARD J: 353
HILLIER SG: 1578
HIMWICH HE: 2729
HINDOCHA P: 1579
HINKES E: 1580-1581
HINMAN DJ: 1582
HINSON GW: 1583
HINSELMANN M: 489
HINZ M: 3410-3412, 3414
HINZPETER T: 1584
HICCO D: 1585
HIRABAYASHI S: 1591
HIRAI I: 3845
HIRAI N: 1586
HIRAI O: 997
HIRANO H: 2868
HIRANO T: 1587
HIRAO K: 2388
HIRD VM: 758
HIROOKA Y: 1703
HIROSE T: 1588
HIRSCH J: 1809
HIRSCH PF: 1589
HIRSCHHORN K: 1652
HIRSCHMAN RJ: 1590
HIRSHAUT Y: 2674
HISHIDA T: 1591
HITCHMAN AJ: 1592
HITT JC: 2604
HIXON JE: 1593
HIZAWA K: 1696
HLACA D: 3750
HLADOVEC J: 1594
HLAVACKOVA A: 3271
HO IK: 1595
HOBBINS JC: 354
HOBBS JR: 1105
HOCHMAN IH: 2150
HOCMAN G: 1596
HODGSON A: 985
HODKINSON HM: 1597
HOECKER G: 1072, 3143
HOFBAUER KG: 1598
HOFECKER G: 1599
HOFER W: 2582
HOFF HG: 1271
HOFFBRAND AV: 1600
HOFFMAN GL: 3828
HOFFMANN H: 1601
HOFFMANN JC: 1602
HOFFMANN-FEZER G: 1603
HOFFSTEIN S: 4259
HOFMANN GG: 1604
HOFMANN LM: 1797
HOFMANN R: 3714
HOHAGE R: 1576
HOHN P: 3424
HOKFELT T: 35, 1193
HOKKANEN E: 1605
HOLADAY DA: 3892
HOLDEN HB: 1606
HOLDER FC: 1607
HOLE H: 1608
HOLECEK V: 366, 3154
HOLICK MF: 1609
HOLL-ALLEN RT: 1610
HOLLAND JC: 4092
HOLLANDER CS: 2589, 3526-3527
HOLLENHORST RW: 3005
HOLLINGSWORTH DR: 2652
HOLLINS JG: 962
HOLLINSHEAD AC: 47
HOLLINSHEAD MB: 1611
HOLLOWAY SM: 1612
HOLMAN HR: 1172
HOLMAN RB: 116
HOLMES JE: 1613
HOLMES LB: 1787
HOLMES PV: 1614
HOLMES WN: 1615
HOLOHAN KN: 1616
HOLSEN H: 2805
HOLTZ WJ: 1826
HOLTZMAN E: 1617
HOLZBAUER M: 1618
HOLZL M: 1619
HOLZNER JH: 866
HOMINICK WM: 806
HOMMA J: 2090
HOMSY CA: 1620
HONG SK: 1621
HONMA S: 3375
HONMA Y: 632
HOOFT C: 3942
HOOG JM: 331
HOOPER MJ: 1622
HOPKINSON C: 1623
HORKY K: 619, 2482
HORN G: 1624
HORN HJ: 3656
HORN K: 3977
HORN RS: 1635
HORNE CH: 1625
HORNIG D: 1531, 1626
HORNING MG: 1502
HORNSTRA G: 1627
HORNUM I: 1628
HORNYKIEWICZ O: 3514
HORSKY J: 1083, 3092
HORSMAN A: 670
HORST HJ: 1629
HORTH CE: 1630
HORTNAGL H: 239, 1631
HORTON EW: 1632
HORTON R: 3701
HORVATH SM: 556
HORWITZ CA: 1633
HORWITZ D: 1634
HOSTMARK AT: 1635
HOSTYN L: 1636
HOSTYNOVA D: 1636
HOTCHKISS J: 1888
HOTZ P: 3191
HOUAUD JP: 3500
HOUDEK J: 1637
HOURDRY J: 1638
HOUTTEVILLE JP: 2989
HOUVENAGHEL A: 888
HOWARD P: 595
HOWARD WJ: 900, 2393
HOWARTH B JR: 1639, 2418
HOWE GR: 1640
HOWELL DS: 3566
HOWELL RR: 1641
HOWES EL JR: 3406
HOWIE PW: 1642-1643
HRADIL M: 3689
HRDINA PD: 1644
HRISOHO D: 1645
HRYCAY EC: 1646-1647
HRYCAY EG: 1648
HSIA SL: 4004
HSIA YE: 189
HSIEH YH: 1649
HSIUNG N: 1650
HSU FS: 1651
HSU LY: 1652, 4053
HSU PY: 1649
HSU SY: 1653
HSU TC: 2942
HSUNG JC: 2889
HUANG CL: 1653-1654
HUBBARD JE: 1655
HUBBARD JI: 1656
HUBBERT WT: 815, 1657
HUBER A: 1658
HUBER C: 2543
HUBER H: 2543
HUBERMAN JA: 1659
HUBERT JP: 2796
HUBNER G: 4015
HUCHINSON EF: 1109
HUCKLEBRIDGE FH: 1660
HUDGINS PM: 990
HUDGSON P: 232, 1807
HUEFNER M: 1565
HUERKAMP B: 450

LIBRARY U. OF L. URBANA-CHAMPAIGN

INOUE H: 656, 2867
INOUE J: 2721
INOUE K: 3888
INSKEEP EK: 1708
INUKAI J: 3945
IPPOLITOV IKH: 3749
IRELAND GW: 580, 854
IRIE M: 1709
IRSY G: 2656
IRVINE WJ: 547-548, 1710, 2623
IRVING JT: 1524
IRWIN MI: 1711
ISAAC L: 1712
ISENBERG JI: 1713
ISENBERG PD: 1686
ISHAQUE SM: 1784
ISHIKAWA A: 1714
ISHIKAWA H: 1715
ISHIMARU T: 2260
ISIDORI A: 921
ISLAND DP: 3884
ISMAILOV BI: 1716
ISRAEL HL: 1717
ISSA A: 3307
ISSELHARD W: 3195
ISTVAN G: 1430
ISTVAN L: 1918
ITO K: 1716
ITO S: 1719
ITO Y: 1907
ITOH T: 1720
ITOKAWA Y: 3776
ITSKOVITZ HD: 1721, 2299
IUKHIMETS AD: 1722
IUSCHEVICI C: 148
IVANOV CP: 1723
IVANOVA EA: 1724
IVANOVA-TCHEMISHANSKA L: 2999
IVASHKINA GA: 1725
IVERSEN O: 1794
IVERSEN SD: 742
IVIC M: 3677
IWAI J: 1726, 3152
IWAMIZU M: 1727
IWAMURA H: 1728
IWASAKI Y: 1729
IWATSUKI K: 1730
IWATSUKI N: 1731
IZUMI AK: 1732

J

JAAP RG: 774
JAARSVELD PP VAN: 1733-1734
JACK PM: 639
JACK RL: 689
JACKER LM: 2904
JACKSON CE: 1735
JACKSON D: 1039
JACKSON MR: 372
JACKSON RA: 3894
JACKSON RG: 1736
JACKSON WB: 2225
JACOB E: 2266
JACOBELLI S: 1737
JACOBS HG: 23
JACOBS HL: 160
JACOBS HS: 3754
JACOBS LS: 756, 804, 1738, 3023
JACOBS P: 3341
JACOBS S: 1739
JACOBSEN BB: 1740
JACOBSEN N: 1741
JACOBSON A: 50
JACOBUS WE: 1742
JACOBY J: 1743
JACQUOT R: 1062, 3745
JAENICKE L: 3380
JAFFE BM: 1875
JAFFE RB: 1942, 2523
JAFFIOL C: 1744-1747, 2589
JAHDE H: 3803
JAHED FM: 521, 825
JAIN BP: 1748
JAKOB A: 2111
JAKOBISIAK M: 1749
JAKOBKOVA J: 266
JAKOWICKI J: 1750
JAKUBOVIC A: 1751
JAKUBOWSKI J: 2836
JALADERT B: 1752
JALOWIEC JE: 2912
JALUVKA V: 1753
JAMES F: 1754
JAMESON DM: 1981
JAN M: 2961-2962
JANDALA M: 3777
JANE F: 1755
JANERICH DT: 1756
JANIAK T: 1757
JANISCH H: 1758
JANKE J: 1530
JANN R: 1759
JANSA P: 1760
JAQUET P: 672-673, 1761-1762, 3567, 3921
JARD S: 380
JARMOLYCH J: 2190
JARNEROT G: 1763
JAROSZ SJ: 1764
JARRETT IG: 1765
JARROUSSE C: 1766, 3295
JARVIS JA: 1767
JAUNAKAIS I: 825
JAVALET A: 2961
JAWORSKI ZF: 4124
JAY B: 1768
JAYAM AV: 875
JAYARATNAM FJ: 1067
JAYLE GE: 1769
JAYLE MF: 1304
JEAN C: 1770
JEAN R: 673, 1771
JEANMOUGIN M: 2991
JEANRENAUD B: 119
JEDVAB M: 1772
JEFFERSON LS: 1773, 3847
JEFFERY J: 1278
JEFFREY PL: 1123
JELACIC O: 2548
JELL RM: 1774
JELONEK A: 1775, 2939
JENKINS LC: 552
JENKINS MV: 1490
JENKYN J: 2675
JENNEKENS FG: 1776
JENNETT B: 2434
JENNEWEIN HM: 4032
JENNINGS AW: 603
JENSEN PB: 3155
JEPSON JH: 1447, 1777
JEROME E: 1633
JESEL L: 1778
JESPERSEN S: 1779
JESSERER H: 1780
JEUNE M: 1781-1782
JEWITT DE: 1783
JEZEQUEL J: 413
JEZEQUEL JC: 2961
JHA GJ: 1784
JIANG NS: 1785, 3225
JIMENEZ DE AGUA L: 1786
JIMENEZ RB: 1787
JIRASEK J: 1788
JIROUSEK L: 1789
JOAS T: 1817
JOB JC: 1790-1791
JOCHLE W: 1792
JOFFRAIN C: 1922
JOFRE DE BRUYER IJ: 1793
JOHANSEN JK: 1794
JOHANSSON ED: 2821
JOHANSSON G: 783
JOHANSSON KN: 1795-1796
JOHN KO: 2706
JOHNS RG: 287
JOHNS WF: 1797
JOHNSON AK: 1798-1799
JOHNSON AR: 1800
JOHNSON CF: 1801
JOHNSON CM: 3594, 4002
JOHNSON DW: 1587
JOHNSON EM JR: 2748
JOHNSON FH: 3538
JOHNSON FL: 4207
JOHNSON GA: 1802
JOHNSON GS: 73, 3196
JOHNSON HD: 3947
JOHNSON J: 1803
JOHNSON JA: 1804
JOHNSON JH: 1805

JOHNSON JW JR: 1806
JOHNSON MA: 1807
JOHNSON P: 1808
JOHNSON PC: 2178
JOHNSON PR: 1809
JOHNSON RA: 1810-1811
JOHNSON RH: 1812
JOHNSON RW: 1813-1814
JOHNSON WG: 428
JOHNSON WS: 2329, 2417, 2649-2650
JOHNSRUDE IS: 1367
JOHNSTON AC: 1815
JOHNSTON CC JR: 1816
JOHNSTON G: 2701
JOHNSTON RR: 1817
JOHNSTON SS: 1818
JOHNSTONE RM: 3884
JOIGNY C DE: 3494
JOLICOEUR P: 408
JOLLEY WB: 407, 2591
JOLY J: 454
JONASON KR: 1819
JONEIDI M: 2022
JONES AP: 1820
JONES AS: 985
JONES BR: 1821
JONES C: 1822, 4180
JONES GE: 1823
JONES GM: 1978
JONES GR: 1824
JONES J: 1825
JONES JH: 1826
JONES NF: 716
JONES RE: 1827-1828, 2806-2807
JONES RL: 1632
JONES SE: 1829, 2621
JONES WR: 1830
JONG B DE: 1005
JONG FH DE: 1831
JONG WH DE: 429
JONSSON CE: 110, 1468
JONSSON G: 1832
JONSSON S: 126
JOPLIN GF: 1209, 1833, 2011
JORDAN D: 2638-2640
JORDAN RK: 1834
JORGENSEN EO: 1835
JORGENSEN G: 1836
JORGENSEN HP: 1837
JORGENSEN PI: 1838-1839
JORI A: 1840
JOSEPH F: 3594
JOSEPH T: 1841
JOSHI HS: 1842, 3082
JOSHI SH: 1843
JOSIMOVICH JB: 1844
JOSWIG EH: 1845
JOSWIG-PRIEWE H: 1845
JOUAN MP: 2767
JOVANOVIC R: 2600
JOYNT RJ: 3468
JOZSEF S: 1430
JUCHMES J: 2203
JUDEWICZ ND: 1846
JUDMAIER G: 2543
JUDY PF: 3369
JULE Y: 1847
JULIEN R: 3305
JULIEN RM: 1905
JUNAID TA: 2859
JUNGMANN RA: 1572
JURANI M: 1848
JURKOVIC I: 1849, 3563
JUTISZ M: 1560, 1936-1937

K

KAARIAINEN I: 28-29
KABANOVA HA: 4234
KABARA JJ: 1850
KACHAN TD: 2444
KACMAROVA A: 3876
KADOTA K: 1851
KADOTA T: 1851
KADOWITZ PJ: 1368
KAGRAMANIAN RG: 2513
KAHL A: 1852
KAHLSTORF J: 1540
KAHN A: 391
KAHN LB: 3944
KAHN MF: 938, 3583, 3993
KAHRI AI: 1853
KAISER H: 1854
KAISER HE: 1855
KAISER HJ: 3451
KAISER JS: 1787
KAISER W: 1856
KAISSLING B: 1857
KAIUTOV EG: 1858
KAKIHANA R: 537
KAKISHITA E: 1477
KALAMARAS E: 1859, 3665
KALANTAEVSKAIA KA: 1860
KALANTAROVA EG: 2513
KALASHNIKOVA OA: 874
KALBE I: 3431
KALBHEN DA: 1861
KALDOR I: 2295
KALICKY P: 447
KALINER M: 1862, 3795
KALININ AP: 1863
KALOYANIDES GJ: 1864
KAMAMOTO Y: 2388
KAMAT KA: 3079
KAMAT MR: 1865
KAMINSKAIA IUS: 1866
KAMINSKI M: 1749
KAMOUN A: 1867
KAMWENDO F: 2996
KAN G: 1646
KANAKA TS: 175
KANAMARU A: 1477
KANDASWAMI C: 1868
KANEMATSU S: 1869
KANERVA L: 1564
KANIARIS P: 1870
KANN G: 1871
KANNO M: 2733
KANT V: 3654
KANTOROVA VI: 1872
KANUNGO MS: 2664
KAPEN S: 420
KAPITOLA J: 1873-1874
KAPITONOV AG: 323
KAPLAN EL: 1875
KAPLAN G: 3318
KAPLAN HJ: 613
KAPLAN L: 1896
KAPLAN ML: 1876
KAPLAN S: 865
KAPLAN SL: 68
KAPLICKI M: 1877
KAPLUN AM: 943
KAPP LN: 1878
KAPPAGODA CT: 4106
KAPPAUF BH: 505
KAPPUS H: 1879
KAPUR BM: 1880
KARAGIANNIDIS A: 2403
KARASAWA T: 1881
KARCHMER S: 1882
KARDANA A: 159
KARIM SM: 1883
KARLE H: 1884
KARLI P: 622, 982, 1885
KARLSON AG: 1886
KARNOVSKY ML: 3565
KAROBATH M: 179
KARSCH FJ: 1887-1888
KARSKI J: 2911
KARST F: 1889
KARTUN P: 557
KASAHARA A: 2869
KASER H: 1890
KASILI EG: 1891
KASPERLIK-ZALUSKA A: 2777
KASS MA: 3044
KASSAY L: 758
KASSIL' GN: 2469
KASTEN K: 2339
KASTEN PM: 1609
KASTIN AJ: 576, 1892, 3405
KATCHALSKY A: 2761
KATO Y: 1893-1894
KATOCS AS JR: 1895
KATRANUSCHKOV I: 392
KATSILAMBROS N: 3410
KATSUSE R: 1696
KATZ AD: 1896
KATZ AM: 1897
KATZ FH: 2342
KATZ J: 1898-1899
KATZ L: 1900
KATZ SE: 1901
KATZEN HM: 3614
KAUFFMAN AH: 2748
KAUFMAN HE: 2701
KAUFMAN L: 1902
KAUFMAN RL: 1903
KAUFMAN S: 1904
KAUFMAN W: 2451
KAUFMANN AF: 360
KAUFMANN BP: 2985
KAUFMANN R: 3875
KAUFMANN W: 1534
KAUL A: 1483
KAVALLE M: 1535
KAVAN EM: 1905
KAWAI N: 1617
KAWAKAMI M: 1906
KAWAKAMI TG: 3879
KAWAMURA H: 1907
KAWANISHI Y: 2089
KAWAUCHI H: 1908
KAYANJA FI: 1909
KAYE M: 1910
KAZANDJIAN M: 1142
KAZDAN JJ: 1506
KAZEMI H: 2839
KEANE PM: 1417
KEATING JP: 1911
KEBABIAN JW: 1912
KEDIA K: 1147
KEDINGER M: 2517
KEDIOVSKI M: 1859, 3665
KEE WF: 1913
KEEFER DA: 1914
KEELER RF: 1915
KEENE JJ: 1916
KEESEY RE: 1917
KEIL A: 2797
KEISER HR: 1634
KEIST R: 1924
KELCH RP: 1942
KELENYI G: 1918-1919
KELKAR MR: 2717
KELLER E: 4129
KELLER L: 1920
KELLER PJ: 1921-1922
KELLER R: 1923-1924
KELLEY DJ: 1508
KELLEY PR: 3048
KELLY JD: 1925
KELLY P: 2920
KELLY PA: 3542
KELSEY JL: 1926
KEMM JR: 1927
KEMMEL M VAN: 2130
KEMPF E: 3972
KENDALL-TAYLOR P: 1928
KENDEL K: 3432
KENION CC: 2455
KENMOCHI Y: 4191
KENNEDY BJ: 374, 1958-1959
KENNEDY JF: 1929-1930
KENNES B: 846
KENNEY FT: 1813-1814
KENNEY WC: 1931
KENNISON RD: 1932
KENNY AD: 385, 696, 782
KENT EW: 1933
KENT MA: 1934
KEPLINGER ML: 3409
KEPP R: 1935
KERDELHUE B: 1936-1937
KERENYI T: 1652
KERESZTI Z: 2305
KERET R: 2150
KERNOFF L: 3029
KERR MK: 1592
KERSEN F VAN: 1938
KERSTEN UW: 1939
KERTSMAN VI: 1319-1320
KERWAR GA: 2984
KESSEL RG: 247
KESSERU E: 1228
KESSLER S: 1940
KETCHAM AS: 928, 4090
KETELBANT-BALASSE P: 1941
KETEVI P: 743

LIBRARY U. OF L. URBANA-CHAMPAIGN

KLAHR S: 1980
KLAIN GJ: 2500
KLAPPER BF: 1981
KLASTERSKY J: 1982
KLAUSCH B: 3714
KLAWITTER JJ: 1666, 2668
KLEEMAN CR: 2238, 3686
KLEIN D: 1983
KLEIN E: 1076
KLEIN G: 1076
KLEIN L: 3323
KLEINBERG I: 886
KLEINHOLZ LH: 3588
KLEISBAUER JP: 1984
KLEMENT V: 2755
KLEMPEL K: 1985
KLESCH WL: 1986
KLEVECZ RR: 1878
KLEY HK: 1248, 2779
KLIACHKO VP: 2405
KLIGMAN AM: 3178
KLINE ES: 1987
KLINEFELTER HF: 1988
KLINEFELTER HF: 1988-1989
KLINEFELTER HF: 1989
KLISAK I: 4080
KLOOSTERBOER HJ: 296
KLOPPER A: 1754, 3523
KLOTZ HP: 1990
KLOUCEK F: 4016
KLUH I: 1991
KLUYTMANS JH: 1992
KLYCE SD: 1993
KNABENGOF VG: 43
KNAKE J: 1070
KNAPPE G: 1994
KNEZEVIC N: 2544
KNIEWALD Z: 1995, 2557
KNIGHT RA: 3159
KNOBIL E: 1887-1888, 2963, 4084, 4189
KNOCHEL JP: 1996
KNOPP J: 1596
KNORR D: 533, 1997
KNOX EG: 1998
KNOX FG: 1999
KNOX GV: 2000
KNUDSEN KD: 1726, 3152
KNUDSON AG JR: 2001
KNUPPEN R: 1249-1250
KNUTSON CO: 3050
KNUTSSON E: 584
KOBAYASHI H: 2002
KOBAYASHI I: 2003
KOBIELOWA Z: 2004
KOBLENZER PJ: 2563
KOCH B: 2536
KOCHHAR DM: 2005
KODICEK E: 3183
KOENIG MP: 2006-2007
KOEV D: 424-425
KOFF RS: 2850
KOFOED JA: 2008
KOHLE W: 1576
KOHLER HG: 973
KOHLER M: 2009
KOHN LD: 64, 4139
KOHNER EM: 2010-2011
KOHRMAN AF: 2012
KOHUT A: 3564
KOIGUSHSKAIA GP: 543, 2013
KOIZUMI J: 2014
KOIZUMI K: 2015
KOKOT F: 3026
KOKRADY S: 2016
KOLAEVA SG: 2024
KOLAR J: 266
KOLAROV P: 2017
KOLAWOLE TM: 2859
KOLDOBSKAIA FD: 530
KOLDOVSKY O: 2018
KOLEBINOV NKHR: 2019
KOLEBINOV NKH: 2020
KOLESNIKOVA GS: 2021
KOLEVA M: 2022
KOLICH MS: 1238
KOLINOVA M: 4123
KOLLER PC: 2023
KOLODNY HD: 284
KOLPAKOV MG: 2024
KOLTERMAN OG: 3693
KOMMERELL B: 2025
KONAGA E: 2026
KONECKI J: 2066
KONG YC: 4201
KONIG PA: 2027, 3447
KONO T: 2028
KONSTANTINOV D: 3666
KONSTANTINOV MV: 2029
KONSTANTINOV N: 435
KOOB GF: 2030
KOOPMAN JJ: 2031
KOOPMAN WJ: 2032
KOPIN IJ: 4171
KOPITO LE: 2033, 2043
KOPPIKAR DD: 2034
KOPROWSKI H: 748
KOPYSC Z: 2035
KORACEVIC D: 3677
KORANYI L: 3777
KORBITZ BC: 2036
KORENMAN SG: 2037, 3364
KORF J: 2038, 3077
KOROCHKIN IM: 2039
KOROCHKIN LI: 2040
KOROLEV RV: 1380
KOROLEV VV: 18
KORSGAARD O: 2272
KORSTEN CB: 1012
KORTING GW: 2041-2042
KORYCKA MB: 1609
KORYTOVA LI: 94
KOSASKY HJ: 2033, 2043
KOSHKIN VM: 3384
KOSLOW SH: 1366
KOSOKOVIC F: 2044
KOSS MC: 2722
KOSSAKOWSKA AE: 1749
KOSSOFF G: 2045
KOSTENNIKOVA ZP: 3488
KOSTIUK OI: 2387
KOSTOWSKI W: 2046
KOSTYO JL: 2047, 3230
KOSUTIC Z: 142
KOTB MM: 2048
KOTHARI LK: 2049
KOTHARY P: 3581
KOTHARY SP: 2472
KOTLER MN: 3000
KOTLIAROV EV: 2050
KOTOH K: 2051
KOTOVA SA: 2052
KOTOVSKII EF: 18
KOTTE W: 2053
KOTZ F: 2832
KOUDSTAAL J: 1668
KOUNIS NG: 2054
KOUROUNAKIS P: 3759
KOVAC R: 4019
KOVACEV VP: 2055-2056
KOVACIC N: 732
KOVACOVA L: 4019
KOVACS K: 1226
KOVACS K: 2057, 2468
KOVACS K: 3760
KOVAL' IN: 1214
KOVALEV MM: 2058
KOVALZON VM: 2158
KOWARSKI A: 2124
KOWNACKA-KLIMEK E: 2004
KOYAMA H: 2059
KOZHNAZAROVA IUS: 2060
KOZLOWSKA I: 1877
KOZLOWSKI K: 1775
KRABEC Z: 1083
KRAFT D: 1561, 3397-3398
KRAGT CL: 2257
KRAICER P: 3506
KRAKOFF IH: 3778
KRAKOFF LR: 2061
KRAKOWSKI A: 3399
KRAM R: 2062
KRAMER HJ: 2063
KRANTS D: 2495
KRATZSCH E: 1753
KRAULIS I: 2064
KRAUS M: 911
KRAUS SD: 2065
KRAUSE H: 3875
KRAUSE M: 2066
KRAUSS S: 63

KRAUZ VA: 2067
KRAVETZ D: 290
KRAWCZYKOWA Z: 465
KRAWITT EL: 2068
KRAYNACK B: 680
KRCEK L: 2069
KREAM J: 3282
KRECEK J: 2070
KREEL L: 2071
KREININ VM: 118
KREJCIK L: 1446
KREMERS P: 2072
KREMNEVA LF: 2073
KREMPIEN B: 3235
KREOWSKA Z: 1465
KRESSMAN J: 2640
KRETH M: 1250
KREUTZBERGER A: 2074
KREUZER W: 2075
KREY LC: 1888
KREYE VA: 906
KREYSEL HW: 2076
KRIEGER DT: 2077
KRIENITZ B: 3010
KRISHNAMOORTHY MS: 1219
KRISHNAMURTI CR: 2454
KRISHNASWAMY K: 2078
KRISTAL MB: 2079
KRISTOF M: 4123
KRONEBERG HG: 2080
KROOK L: 1651
KROPELIN K: 2896
KRSTIC MK: 2081
KRSTIC S: 1334, 2544
KRUG K: 2082
KRUGMAN ME: 2083
KRUSE HP: 2084
KRUSKEMPER HL: 1248, 2778-2779
KRYCZKA S: 2085
KRYSHANOVSKII GN: 2469
KRYSHKOVA AM: 2586
KUAN E: 2866
KUBACKI J: 2086
KUBANYI E: 2087
KUBENA LF: 2487
KUBIEN E: 2004
KUBIK V: 1446
KUBLI F: 2088
KUBOKI Y: 2089
KUBOTA H: 2090
KUBOTA Y: 2091-2094
KUDINSKII IUG: 2095
KUDO S: 1189
KUDRIASHOV IUB: 387
KUHAR MJ: 20
KUHLENCORDT F: 2084
KUHN CW: 233
KUHN RA: 2096
KUJAS M: 2813
KULAGINA VP: 3907
KULKARNI PN: 3568-3569
KULSHRESHTHA A: 2097
KUMAR AS: 2098
KUMAR MS: 2099
KUMAR PJ: 2100
KUMAR V: 1418
KUN E: 1200
KUNDIEV IUI: 2742
KUNG HF: 2101
KUNII H: 2710, 3375
KUNSA J: 1464
KUNZ E: 451
KUNZ S: 4072
KUNZE K: 2102
KUNZE P: 2053
KUO JF: 1912, 2103
KURAMOCHI M: 1182
KURAMOTO A: 2104
KURBAN AK: 873
KURDOVANIDZE IL: 3887
KURIHARA H: 2105
KURIHARA K: 2106
KURIMOTO K: 3533
KURLIANDSKII AM: 2781
KUROCHKIN IG: 525
KURODA S: 2834
KURSKII MD: 172
KURT TL: 2107
KURTH R: 2108
KURTZMAN NA: 2109
KURUP PA: 2391
KURUVILA C: 436
KURZ O: 4241
KUSAK V: 3007
KUSNIR J: 2110
KUSTER J: 2111
KUSUMI Y: 2112
KUSUNOKI N: 4188
KUSUNOKI T: 2113
KUWAHARA M: 2114
KUWAYAMA A: 4243
KUZIN MI: 2115
KUZMICHEVA NA: 2116
KUZNETSOV LKN: 2117
KWATERSKI SE: 2620
KWIATKOWSKA B: 2046
KYLE FW: 4-5

L

LABADIE P: 2118
LABARTHE B DE: 413
LABEEUW M: 4235
LABELLA F: 2119
LABHSETWAR AP: 2120, 3082
LABITTE A: 2421
LABORIT G: 2121
LABRIE F: 408
LABRIQUE M: 861
LABURTHE MC: 2122
LACAILLE A: 2229
LA CELLE PL: 2123
LACERDA L DE: 2124
LACH JL: 2809
LACHENMAYER L: 2790
LACKEY DA: 3768
LACOURCIERE Y: 2283
LACROUTE F: 1889
LACZI F: 2125
LADE R: 1603
LADENSON JH: 2126
LADNAIA IS: 2127
LAEDERER R: 2128
LAENG H: 2811
LAFFARGUE P: 2129
LAFUMA J: 2635
LAGACHE G: 2130
LAGASSE LD: 4080
LAGIER R: 3296
LAGRUE G: 1142
LAHAV M: 2131
LAHOVAARA S: 4204
LAHTI RA: 1802
LAI FM: 990
LAI A FAT RF: 2132
LAIWAH AA: 1625
LAKE N: 3020
LAKE WC: 83
LAKOMY M: 2133
LAKSHMANAN CD: 2134
LALLEMANT Y: 2135
LAMAR C: 1729
LAMB EJ: 2284
LAMBERG BA: 2136
LAMBERT C: 2991
LAMBERT PH: 2820
LAMBERTI G: 2137
LAMBERTS B: 2826
LAMBERTSEN CJ: 2178
LAMERS-STAHLHOFEN GJ: 2676
LAMKI L: 986
LAMOLA AA: 2138
LAMPASI D: 3291
LAMPRECHT SA: 2139
LANCASTER MC: 1174
LANCE EM: 1282
LAND RB: 169
LANDE MA: 4219
LANDOLT AM: 2140-2141
LANDON EJ: 1102
LANDON J: 3159
LANG H: 2142
LANG M: 3383
LANG N: 274-275
LANG WJ: 270
LANGDON L: 523
LANGE WE DE: 1938
LANGER GA: 2143
LANGLOIS M: 273
LANGNER RO: 2144
LANIECE M: 2214
LANYI A: 3727
LAPETINA EG: 2145
LAPIDOT Y: 220
LAPINA IA: 2067
LAPITSKY M: 2784
LAPLANE R: 2146
LAPLATE L: 254
LA PORTA E: 3031
LAPOUS D: 743
LARA PP: 3080, 4134-4135
LARA S: 3271
LARA SAMANO E: 598
LARA-VIVAS L: 847
LARAGH JH: 493
LARBRE F: 1401
LARCHER-FOURRIER MF: 161-162
LARDY HA: 1220-1221
LARGIS EE: 1895, 2147
LARKINS RG: 2148
LARNER J: 2567
LARON Z: 2149-2150
LARSEN JR: 3365
LARSON JD: 2151
LARSSON A: 2152
LARSSON C: 2153
LARSSON K: 2154
LASCELLES AK: 4066
LASCOMBES G: 3098
LASFARGUES EY: 1107
LASFARGUES G: 2146
LASTER DB: 2155
LASZLO FA: 2156
LASZLO H: 2157
LASZLO J: 2157
LASZLO V: 2412
LATASH LP: 2158
LATIES AM: 3559
LATOUR JG: 2159
LATTIMER JK: 2160
LAU F: 3859
LAU HU: 1694
LAU KS: 3483
LAUBER JK: 2841
LAUCHLAN SC: 3873
LAUDAT MH: 2161
LAUDAT P: 2161
LAUERSEN NH: 2162
LAUGIER C: 2163, 3372
LAUGIER P: 2164
LAUMONIER R: 4159
LAUNAY AN: 2540
LAUPPI E: 388
LAURAS B: 806
LAUREN P: 26
LAURIA F: 2741
LAURIA P: 2165
LAURY MC: 2166
LAVAL P: 1984
LAVEDAN J: 2167
LAVERDANT C: 2168
LAVERGNE G: 2169
LAVORATO F: 2616
LAVRENT'EVA NA: 932
LAW YM: 2170
LAWRENCE AM: 2171
LAWRENCE M: 2839
LAWRENCE T: 2172
LAWSON DM: 1205
LAWSON JW: 2467
LAWTON EB: 3498
LAX ER: 1371
LAZAR G: 2173, 3760
LAZAR J: 906
LAZAR P: 409
LAZARD L: 2174
LAZARUS J: 2175
LAZARUS JH: 2176
LAZARUS JM: 460
LAZARUS L: 3606-3607
LAZRAK B: 1252
LE BODIC MF: 1386
LEACH BE: 2177
LEACH CS: 2178
LEAHU S: 2771
LEAHY WR: 428
LEANDER JD: 2179
LEATHEM JH: 2636
LEATHERDALE BA: 2180
LEAVER DD: 3829

LIBRARY U. OF L. URBANA-CHAMPAIGN

LEONOV BV: 153
LEONTIUK LA: 2223
LEPKOVSKY S: 2224
LEPPALUOTO J: 3988
LEPRAT J: 1231
LERAY G: 2770
LE REBELLER MJ: 316
LERMAN S: 2225
LERNER E: 1353
LERNER LJ: 2226
LERNER N: 2227
LE ROITH D: 2228
LEROUX-ROBERT J: 2229
LEROY J: 1669-1670, 2230
LEROY V: 880
LESCURE H: 949
LESHEM MB: 376
LESHEM Y: 3544
LESHNER AI: 2231
LESLIE CA: 2232
LESSER B: 2233
LESSOF MH: 2349, 3138
LEUASSEUR P: 2183
LEUNG KM: 3661-3662
LEUNG PM: 3257
LEURET JP: 2234
LEVAN G: 2235
LEVENE RZ: 2236
LEVENSON JE: 2237
LEVENTHAL BG: 2279
LEVER WF: 2877, 3415
LEVESQUE L: 1314
LEVI J: 2238
LEVIN EJ: 2239
LEVIN SE: 687
LEVIN SR: 3319
LEVINA EN: 2577
LEVINE L: 2232
LEVINE PH: 2334
LEVINE S: 1312, 2240, 3597
LEVINSON CJ: 2241
LEVISON MJ: 2242
LEVITT MJ: 1844
LEVITT RA: 2300
LEVITZKI A: 3676
LEVY BM: 2243
LEVY DW: 2244
LEVY M: 1426
LEVY MJ: 4026
LEWANDOWSKA-TOKARZ A: 2245
LEWANDOWSKI J: 2952
LEWBART ML: 2246-2247
LEWIS AA: 2248
LEWIS DJ: 1461-1462
LEWIS M: 4142
LEWIS MB: 2249
LEWIS RA: 2549
L'HERITIER A: 658
L'HERMITE M: 709, 2250
LI CH: 1908, 2251, 3348-3349
LI MP: 2064
LI TK: 494
LI WK: 2267
LIAKAKOS D: 2252
LIAN KO: 1894
LIANG HC: 2253
LIAPUNOVA NA: 2254
LIARD JF: 730, 2255
LIBERTI JP: 1987
LIBERTUN C: 2256-2257
LEBRIE SJ: 2258
LICHT P: 2259-2261
LICHTENSTEIN LM: 3040
LIDDLE GW: 2884
LIEBERMAN BL: 2033
LIEGEOIS A: 2262
LIEN IN: 2253
LIETZ H: 2263
LIETZEN R: 1564
LIEVEAUX A: 2264
LIEVRE JA: 2229, 3373
LILLARD DA: 2265
LILLEHEI RC: 892, 2662
LIM P: 2266
LIM R: 2267
LIM T: 1690
LIN CH: 1164
LIN SR: 2189
LINCOLN DW: 2268-2269, 4030-4031
LINCOLN GA: 2270
LINDAU M: 2271
LINDECKE H: 1421
LINDEN G: 2220
LINDEN RJ: 4106
LINDENBAUM A: 242-243
LINDENBAUM J: 2871
LINDENHAYN K: 3431
LINDHE J: 2313, 3747
LINDHOLM J: 2272
LINDNER HR: 240, 1481, 2139
LINDSAY DR: 2273
LINDSAY RH: 3036
LINDSTEN J: 1233
LING GM: 1644
LING N: 517, 3239
LING SH: 1508
LING W: 2274
LINHARD J: 714
LINQUETTE M: 1141, 1236, 2130, 2275, 3119
LINSENMAYER TF: 2276
LINZELL JL: 602
LIOZNER LD: 2277
LIPPERT TH: 2278
LIPPMAN ME: 2279-2280
LIPSETT MB: 2592-2593
LIPSITZ PJ: 137, 2281
LIPSON AH: 2282
LIPTON JM: 180
LIPTON MA: 3080, 4135
LIPTRAP RM: 3121
LISBONA R: 2283
LISCHKE JH: 2284
LISK RD: 3210
LISS M: 2634
LISSAK K: 1066, 3777
LISSITZKY S: 3282
LISZEWSKA D: 2285
LITT R: 3381
LITTENBERG R: 1464
LITTERIA M: 2286
LITTLE B: 2287
LITTON C: 2288
LITVINENKO AF: 2289
LITWACK G: 748, 1089, 3572
LIU AL: 3580
LIU CC: 1970
LIU L: 3340
LIU PI: 2290
LIU S: 447
LIU YO: 4201
LIUZZI A: 636, 2291
LIVINGSTON S: 2292
LIVSHITS EM: 3265
LJATKOVA K: 1859
LJUNGKVIST I: 2689
LLANOS JM: 151
LLERENA LA: 1228
LLOYD CA: 1116
LLOYD JB: 1283
LLOYD KG: 3514
LLOYD MH: 267
LLOYD RV: 2293
LOCKETT MF: 2449
LOEB JN: 2294
LOESCHKE K: 3910
LOEWENSTEIN JE: 4163
LOEWENTHAL M: 1772
LOFTI M: 3627
LOGAN RW: 2370
LOH HH: 1595
LOH TT: 2295
LOHIYA NK: 908
LOISILLIER F: 3919
LOMAX P: 2000
LOMBARD M: 3045
LOMBARD MN: 2660
LOMBARDINO JG: 2296
LOMBROSO C: 93
LONDNER MV: 3406
LONDON DR: 2297
LONG DM: 2298
LONG JP: 1368-1369
LONGCHAMPT JE: 1304
LONGCOPE C: 1116
LONIGRO AJ: 2299
LONOWSKI DJ: 2300
LOONEY M: 2301
LOONEY WB: 3821
LOOS U: 3302
LOPEZ F: 963-964

LORAINE JA: 10
LORENS SA: 4212
LOS WR: 1946
LOTTI G: 2302
LOUBET R: 880
LOUIE AJ: 2303
LOUIS-SYLVESTRE J: 2210
LOURIE B: 360
LOVE EW: 2304
LOVELACE E: 74
LOVELY RH: 529, 935
LOVENBERG W: 1131, 1634
LOVERIDGE N: 623
LOVINS RE: 1040
LOWELL FC: 2839
LOWENBERG E: 3258
LOX CD: 4076
LOYAU G: 2409
LOZSA A: 2305
LOZYO F: 2306
LU KH: 2307
LUBINIECKI AS: 776
LUCCHESI JC: 2308
LUCKING T: 2309
LUDIN HJ: 1530
LUETSCHER JA: 262, 2310
LUGER O: 3645-3646
LUGON G: 2128
LUISETTO G: 3024
LUKACIN S: 3564
LUKASIK E: 2285
LUKIN VA: 153
LULLMANN H: 2311
LULLMANN-RAUCH R: 2311
LUNAAS T: 2312
LUND JO: 3155
LUNDGREN D: 2313
LUNDGREN Y: 1124
LUNDSKOG J: 2314
LUNDSTEEN C: 2315
LUNDY LE: 383, 521, 2316
LUNENFELD B: 2227
LUNN PG: 2317
LUNN SF: 10
LUPARELLO FJ: 3599
LUPO DI PRISCO C: 2318
LUSCHER EF: 2319
LUSHCHA AL: 2320
LUSSIER G: 2321
LUSTIG L: 98
LUTHI A: 2278
LUTON JP: 1231, 2322
LUTTGE WG: 2323
LUTZ P: 3430
LUTZ-OSTERTAG Y: 2324
LUXEMBOURGER MM: 2394
LUXEMBURG D: 2979
LUYCKX AS: 2197
LUZZATI D: 4025
LYBECK H: 3988
LYKKE AW: 770
LYLE DP: 983
LYMAN RL: 1289
LYMANGROVER JR: 2325
LYMEBURNER N: 1314
LYNCH GR: 2326
LYNCH RE: 4130
LYNCH SR: 3341
LYNCH TJ: 2327
LYNHAM JA: 1510
LYSENGEN VL: 3722
LYSENKO VF: 3050
LYSINA GG: 2742
LYSTER DM: 2574
LYSZCZARZ J: 2328

M

MA HK: 4200
MACAIRE I: 2980-2981
MCBRIDE CM: 2485
MCCAMAN RE: 883
MCCANN DS: 3065
MCCANN SM: 925, 2256, 2659, 2751
MCCARL RL: 3767
MCCARRY BE: 2329, 2417
MACCARTY DJ JR: 2330
MCCLURE J: 2331
MCCOMAS AJ: 2332-2333
MCCONAHEY WM: 3452
MACCOSS M: 985
MCCOURTIE DR: 3853
MCCOY JL: 2334
MCCREDIE D: 2335
MCCREDIE KB: 3252
MCCULLOCH MW: 3106
MCDANAL CE JR: 1092
MCDERMOTT EA: 4027
MCDEVITT DG: 2336
MCDEVITT HO: 1172, 3693
MACDONALD AF: 590
MCDONALD D: 2568
MCDONALD JM: 2337
MCDONALD JW: 2338
MDDONALD TO: 2339
MCDONOUGH MW: 2340
MCDOWELL GH: 2341
MACE JW: 2342
MCEWAN EH: 4110
MCEWAN IM: 206
MACFADYEN DJ: 2343
MCFARLAND LZ: 4002
MCFARLANE B: 1834
MCFARLANE IS: 4172
MCGANITY WJ: 819
MCGARITY WC: 427
MCGEE W: 2451
MCGEER EG: 1078
MCGEER PL: 1751
MCGEOCH D: 3366
MCGIFF JC: 1721, 2299
MACGILLIVRAY MH: 3425
MCGINNIS CH JR: 2344
MCGOWAN L: 2345
MCGRATH P: 2346
MACGREGOR C: 1882, 4228
MCGREGOR DH: 2290
MACGREGOR GA: 2347-2348
MCGUIRE WL: 603
MCHARDY-YOUNG S: 2349
MACHAVARIANI EN: 3887
MACHEKHIN VA: 2350
MACHERET H: 2351
MACHTEY I: 4241
MACIEJEWSKI J: 3762
MCINTIRE KR: 437, 1025
MCINTOSH JA: 590
MCINTOSH WB: 3066
MACINTYRE I: 1209
MCISAAC WM: 1033
MACK G: 978, 3972
MCKAY DG: 2159, 2352
MACKAY EV: 1952
MCKELVEY RD: 803
MCKENZIE SG: 2353
MAC KENZIE WF: 2354
MCKERCHER TC: 2355
MACKIE B: 2356
MACKIE C: 2357
MACKIE RM: 2358, 3347
MACKIN J: 2191
MCKINLEY C: 818
MCKINNEY TD: 2359
MCKINNON JR: 1690
MCKUSICK VA: 2360
MCLAUGHLIN CL: 160, 2361
MCLAY AL: 1625
MCLEAN LD: 955
MCLEAN P: 1410
MACLEAN PD: 3047
MCLEMAN D: 548
MCLEOD DG: 2362
MACLEOD M: 590
MCMAHON DF: 2310
MACMANUS JP: 4113
MCMENIMAN NP: 2363
MACMILLAN AL: 2364
MACMILLAN DC: 1150
MACMILLAN KL: 2365
MACMORAN JW: 1190
MCMULLEN MF: 3591
MCNABB AR: 2333
MACNAMARA TE: 2924
MCNEILL KG: 2366
MACNICOL MF: 2367
MCNUTT KW: 2368
MCPHERSON HT: 2393
MCQUEEN A: 3347
MCRAE CU: 2369
MCSHAN WH: 2293
MACSWEEN RN: 1625
MACVICAR J: 2270
MCWHINNIE DJ: 2271, 3626
MADAN K: 379
MADDAIAH VT: 2272, 2217
MADDEN J 4TH: 2246
MADDISON J: 2273
MADEDDU G: 99
MADELMONT JC: 2274
MADSEN PO: 2360
MAEDA HR: 3478
MAER M: 2275
MAESTRONE G: 2276
MAETZ J: 1015
MAGASANIK B: 3190
MAGEE WE: 2277
MAGHUIN-ROGISTER G: 664
MAGILL BE: 4197
MAGINN PC: 345
MAGNET W: 858
MAGNI AP: 2318
MAGNIN D: 2278
MAGNUSSON B: 2312
MAGNUSSON T: 2279
MAGOS L: 1767
MAGOTTEAUX G: 831
MAGRINI F: 1399
MAHAJAN DK: 4097
MAHAJANI U: 1452
MAHIEU P: 4140
MAHON FB JR: 2280
MAHONEY JR: 1074
MAHOUDEAU JA: 2281-2282
MAHRLE G: 2283, 2877
MAIER V: 3411-3412
MAINWARING WI: 2284
MAISEY MN: 2349, 2285-2286
MAJIMA S: 3771
MAKARCHENKO AF: 2287
MAKI Y: 2734
MAKIURA S: 2288
MAKULU DR: 2289
MALAREWICZ A: 2290
MALATHY K: 2291
MALCOLM LA: 2292
MALES JL: 2293
MALING HM: 4073
MALINKOVICH VD: 3590
MALIUK VI: 3890
MALKANI K: 2294
MALKASIAN GD JR: 1835
MALKIN A: 545
MALLEY A: 3206
MALLIN WS: 2618
MALLINSON AC: 1625
MALLUSHE H: 3235
MALNASI Z: 2295
MALOOF F: 1241
MALVANO R: 2296
MALYI, DD: 2297
MAMELLE JC: 2298
MAMO H: 2299
MAMONT P: 3062
MANCHESTER KL: 2400
MANCHEVA IN: 1723
MANCIA M: 1357
MANCINI R: 2692
MANCUSI-UNGARO HR JR: 354
MANDEL P: 978
MANDELL GL: 2401
MANDERLIER T: 719
MANDY FF: 2995
MANEIRO PJ: 2402, 4228
MANIER JW: 111
MANN JD: 236
MANN T: 2403
MANNERING GJ: 4225
MANNING JW: 3774
MANNING M: 3390
MANOWITZ EJ: 1118
MANSELL PE: 2945
MANUKHIN BN: 2404
MANUKIAN SA: 49
MANUSHAROVA RA: 2405
MANZ F: 3010
MANZKE E: 2406
MANZKE H: 2406
MAO W: 2407
MARANON A: 963-964
MARAUD R: 2408

LIBRARY U. OF L. URBANA-CHAMPAIGN

AUTHOR INDEX

J: 3971
2176, 2196
3D: 2620
LA: 3543
M: 2953
JC: 124
3410
1357
189
2413
3413
3735
1840
1533
2416
L: 2239, 2417
1147
2289, 3590
2419
3418-2419
T C: 2421
1320
184
3178
RR: 4209
2436
2427
F: 2428
2429
2434
BERG C: 2435
JR: 2402
2436
2703
1077
2427
2430
2439
2441
ALDONADO M: 2443, 3732
3920
Z: 2605
ME: 1944
VV: 2444
ON: 2445
LE C: 2902
2446
2447
T: 2226
Y: 2448
P: 2449
MARX GF: 2450
MARX MB: 2451
MARX SJ: 2452
MASHIMO K: 2720, 2894
MASK DR: 2393
MASON AM: 2453
MASON AS: 2453
MASON BD: 2454
MASON JW: 2455
MASON NR: 2456
MASQUET C: 2938
MASSE JL: 338
MASSE SR: 2457
MASSEY GM: 2458
MASSEY V: 3780
MASSIAS P: 2459
MASSON GM: 1507, 2460
MASSRY SG: 2461-2462, 3686
MASTRI AR: 2463
MATEESCU P: 3789
MATERAZZI F: 2464
MATHEWS GJ: 2465
MATHEWS J: 1802
MATHIEU F: 2466
MATHIEU M: 1402
MATHIEU DE FOSSEY B: 454
MATHISON IW: 2467
MATKOVICS B: 2468
MATLINA ESH: 2469-2470
MATSUDA I: 2471
MATSUI K: 4190
MATSUKI A: 2472
MATSUKURA S: 2473
MATSUMOTO K: 2474, 2599, 4187
MATSUMOTO N: 2475
MATSUMOTO S: 3539
MATSUMOTO T: 37
MATSUMURA P: 2426
MATSUMURA S: 2475
MATSUOKA I: 2548
MATSUSHIMA M: 2476
MATSUURA K: 2548
MATSUYAMA S: 2477
MATT K: 3436, 3647
MATTHEWS EK: 1361
MATTHIESEN T: 2478
MATTHYSSE S: 2479
MATTOX VR: 3225
MATUCHANSKY C: 2480
MATUK Y: 1267
MATVEEV PV: 4011
MATVEIKOV GP: 2481
MATVIENKO LA: 4247
MATYS Z: 619, 2482
MAUCHAMP J: 3190
MAUER AM: 2483
MAUGUELIS DE BOURGUESDON: 557
MAUL G: 3467
MAURIKAKIS M: 723
MAUVAIS-JARVIS P: 2484
MAVLIGIT GM: 2485
MAVLIUTOVA MG: 2486
MAXWELL D: 1551
MAXWELL RE: 2298
MAY JD: 2487
MAY JP: 2130
MAYER GP: 1431
MAYER J: 2361, 3368
MAYER P: 2488
MAYER RM: 1981
MAYER SE: 1951, 2489
MAYHEW S: 3780
MAYNE JG: 2490
MAYOL RF: 62
MAZOV FA: 1950
MAZUREK A: 2004
MAZZI C: 3032
MAZZOCCHI G: 2815
MEAD RA: 1371
MECHEV DS: 2491
MECKLENBURG R: 2592
MECKLENBURG RS: 2393
MEDEIROS NETO GA DE: 2492
MEDEIROS-NETO GA: 3526
MEDERAK P: 3727
MEDINA D: 2493
MEEMA HE: 2494
MEEMA S: 2494
MEER FM: 935
MEERSON FZ: 2495
MEES EJ: 970
MEGQUIER J: 1520
MEGRELISHVILI RI: 541
MEHLS O: 3235
MEHROTRA RM: 1415
MEHTA AR: 1865
MEI V: 654
MEIENHOFER MC: 2496
MEIER AH: 1223, 2497
MEIER RE: 2498
MEIJER AE: 2499
MEIJER DK: 1939
MEIKLE AW: 2500
MEINERTZ T: 2501-2502
MEINIEL A: 692
MEINIEL R: 2503
MEISSNER G: 2504
MEISSNER LF: 2505
MEISTRICH ML: 2506
MEITES J: 2307
MEJER LE: 2507-2508
MELANDER A: 2509-2510
MELARKEY DW: 1520
MELBY JC: 788
MELHORN DK: 2764
MELI A: 3034
MELICH O: 1849, 2511, 3563
MELICOW MM: 2512
MELIK-ALAVERDIAN NI: 2513
MELINAT M: 3820
MELLGREN SI: 995
MELLIN VM: 3058
MELLINGER RC: 2551
MELNYK J: 2451
MELOUN B: 2110
MELVIN KE: 440
MENAGE JJ: 2514
MENANDER-SELLMAN K: 3834
MENARD J: 1142
MENARD S: 2515
MENCHACA MONTANO JM: 2516
MENDEL C: 1437, 2517
MENDELBLATT F: 3413
MENDELL J: 462
MENDELS J: 630
MENDELSOHN E: 2719
MENDELSON IS: 2518
MENDELSON J: 2519
MENDIS U: 483
MENDIZOV IV: 2554
MENGELING WL: 2520
MENISOV AK: 2521-2522
MENON KM: 2523
MENYE PA: 2524
MEPHAM TB: 2525
MERCHANT H: 4234
MERIMEE TJ: 2526
MERK FB: 845
MERKLEY JW: 2527
MERKOW LP: 7
MERLIER M: 2183
MERLIN L: 2442
MERMET-BOUVIER R: 2528
MERRILL JP: 460
MERRITT JH: 1251
MERRY A: 4243
MERZ WA: 3417
MERZ WE: 2529
MESS B: 3837
MESSOW C: 2478
MESTECHKINA AIA: 2530
METAYER J: 4159
METCALFE J: 887
METGE P: 1769
METHOT Y: 3797
METZ EN: 51
METZGER J: 2989
METZLER F JR: 2531
MEURER KA: 1534
MEWBORN QA JR: 1589
MEYENBERG H: 2532
MEYER CC: 2533
MEYER P: 2534, 2916
MEYER PM: 1819
MEYER RK: 633
MEYER WE: 2535
MEYNADIER J: 3231
MEYNIEL G: 2374
MEYTES D: 1454
MEZINOVA NN: 2060

LIBRARY U. OF L. URBANA-CHAMPAIGN

MIALHE C: 2536
MIALHE P: 1127
MICAL RS: 2864-2865
MICHAEL CM: 2537
MICHAEL WR: 2538
MICHALKOVA D: 176
MICHALSKA L: 2539
MICHAUT E: 418
MICHAUX A: 3305
MICHEJDA JW: 2540
MICHELL AR: 2541
MICHELL RH: 2145
MICHELS D: 318
MICHENER GR: 2542
MICHLMAYR G: 2543
MICIC R: 2544
MICUCCI M: 3140
MIDDLEDITCH BS: 2545
MIDDLETON E JR: 2546, 3529, 3603
MIDGETT RJ: 2547
MIEGHME W VAN: 2617
MIESCHER A: 2820
MIESCHER PA: 2820
MIGEON CJ: 2124
MIHALY S: 2412
MIHARA T: 2548
MIHM MC: 3186-3187
MIKAMI S: 2549-2550
MIKHAIL GR: 2551
MIKHAILOV AA: 2610
MIKHAILOV IG: 2552
MIKHALIUK IA: 1198
MIKHANORN J: 3283
MIKLASZEWSKA M: 2553
MIKOLAJCZYK J: 3612
MIKULAJ L: 1846
MILANOV ST: 2017, 2554
MILES RM: 2555
MILGROM E: 3815
MILIARESSIS E: 2556
MILISHNIKOV AN: 1953
MILITEANU J: 1454
MILKOVIC K: 2557
MILKOVIC S: 1995, 2557
MILLER BG: 2558
MILLER DA: 2564
MILLER EJ: 2559
MILLER HC: 2560-2561
MILLER JD: 492
MILLER JR: 2562
MILLER LL: 1376
MILLER MC: 1892
MILLER ME: 2563
MILLER OJ: 2564
MILLER OV: 2377
MILLER RD: 2565
MILLER RW: 2566, 2686
MILLER SA: 905
MILLER TB JR: 2567
MILLER V: 4067
MILLER WR: 2568
MILLERICK JD: 1508
MILLET D: 3442
MILLHOUSE OE: 2569-2570
MILLIGAN WL: 2571
MILLS AE: 2874
MILLS DC: 2572
MILLS J: 372
MILLS JA: 371
MILNE FJ: 3121
MILNER RD 639
MILROY EJ: 2384
MILTON-THOMPSON GJ: 799
MIMS RB: 2573
MINCEY EK: 2574
MINGAZOVA IV: 3550
MINIK K: 1920
MININBERG DT: 2575
MINKIN C: 3075
MINKIN W: 2576
MINKINA NA: 2577
MINKOFF L: 2578-2579
MIRKHODZHAEV AKH: 2580
MIROCHA CJ: 4158
MIROUZE J: 1744-1746
MISCALENCU D: 2581
MISGELD V: 2582
MISHELL DR JR: 3870
MISHINA KI: 2593
MISHRA P: 2040
MISHRA RK: 2049, 2584
MISHUNINA TM: 2530
MISIC D: 2585
MISIEWICZ JJ: 769
MITCHELL CL: 1243
MITCHELL GE JR: 431
MITCHELL WM: 2884
MITELMAN F: 2235
MITEV IP: 2586
MITNICK MA: 2587
MITOUZE J: 2588
MITRIUKOVSKII LS: 802
MITROVIC M: 2376
MITSCHKE H: 3344
MITSUMA T: 2589, 3526-3527
MITSUNOBU K: 2267
MITTA AE: 4063
MITTELMAN A: 2590
MITTS TF: 2591
MIURA Y: 2059
MIYACHI Y: 2592-2593, 2595
MIYAMORI I: 2787
MIYAMOTO R: 2594
MIYASAKI K: 2595-2596
MIYATA H: 1693
MIYAZAKI T: 2824
MIYOSHI M: 2597, 3773
MIZEJEWSKI GJ: 2598
MIZRAHI SJ: 3242
MIZUTANI S: 2599
MLADENOVIC D: 2600
MLECHIN BM: 2601
MOCEK J: 2602
MOCHIZUKI K: 2603
MOCHIZUKI M: 3845
MODIANOS DT: 2604
MODIGH K: 2605
MODIGLIANI R: 3500
MOERTEL CG: 3684
MOGUILEVSKY JA: 3393
MOHAMED AH: 2606
MOHAMED FA: 2606
MOHANDAS A: 2706
MOHAY A: 1918
MOHN G: 2607
MOHRING J: 1387
MOHS JM: 68
MOHSEN A: 2608
MOINS N: 2609
MOISAND C: 753
MOISEEV VS: 2610
MOISESCU DG: 117
MOLANDER L: 1233
MOLEN HJ VAN DER: 1831, 2676
MOLEN HR VAN DER: 2611
MOLENAAR I: 1668
MOLLARD P: 808
MOLLER OM: 2612
MOLLOY BB: 1188
MOLOKWU EC: 2613
MOLOTCHNIKOFF MF: 3278
MOMANY FA: 515
MOMMSEN-STRAUB S: 3426
MONCADA S: 1073
MONCHIK JM: 2696
MONCKEBERG F: 188
MONDER C: 2614
MONDON H: 1467
MONGET D: 2163
MONIER D: 2822
MONISTERE N: 819
MONTALENTI D: 2970
MONTEIRO K: 3526
MONTEL H: 3669
MONTERO JM 2D: 2615
MONTFORT MF: 3262
MONTGOMERY DA: 2830
MONTIGEL C: 2128
MONTINI M: 3924
MONTORSI W: 2616
MONUS Z: 2156
MOODY AJ: 1151
MOOK DG: 3184
MOONEY V: 3663
MOOR P DE: 2617
MOORE EW: 1713
MOORE GL: 2318
MOORE JA: 613
MOORE JG: 3421
MOORE JW: 2619-2620
MOORE KE: 4012
MOORE MR: 2621
MOORE RH: 1412
MOORE RY: 349
MOORHEAD JF: 738
MOORMANN JG: 2622
MOOS RH: 1940
MORA PASOS G: 3258
MORAINE C: 3809
MORAKINYO VO: 2623
MORE RH: 1684
MOREL G: 1771
MORENO C: 1072
MORETTI A: 2624
MORETTI E: 243
MORETTI G: 594, 2625
MOREWOOD GA: 2626
MORGAN C: 1597
MORGAN DB: 2304
MORGAN FJ: 2627
MORGAN M: 1456, 2628
MORGAN NO: 2566
MORGAN PH: 2467
MORGAN RL: 1120
MORGAN SS: 2629
MORGANE PJ: 2912
MORGENSTERN D: 2630
MORGENSTERN LL: 3632
MORHENN V: 2631
MORI A: 1515
MORI T: 2632
MORIARTY CM: 2633
MORIKAWA H: 3845
MORIKAWA Y: 991
MORILLO-CUCCI G: 1262
MORIMOTO S: 2787, 3906
MORIN AM: 2634
MORIN M: 2635
MORINI JC: 3406
MORISHIGE WK: 2636
MORISHIMA A: 2160
MORISSET J: 2422
MORITA S: 2548
MORIWAKI M: 2637
MORLEY WN: 2358
MORNEX R: 2638-2641
MORONI RI: 2829
MOROT-GAUDRY Y: 414
MORREAL C: 800
MORRELLI HF: 2642
MORRIS DJ: 2643
MORRIS HP: 3821
MORRIS JF: 558, 972, 2644
MORRIS L: 2645
MORRIS R: 3022
MORRIS RS: 2646
MORRIS TR: 2647
MORRISON IM: 1028
MORRISON RT: 2574
MORROW PE: 3011
MORSIER G DE: 2648
MORTH C: 3116
MORTON DR: 2649-2650
MORTON WG: 360
MOSEKILDE L: 2651
MOSER RJ: 2652
MOSHANG T JR: 396
MOSKAL JR: 2240
MOSKOWITZ RW: 2653-2654
MOSONYI L: 2655-2656
MOSS J: 2657
MOSS KS: 1057
MOSS RL: 2658-2659
MOSZKOWSKA A: 658, 2660
MOTOI Y: 2661
MOTSAY GJ: 2662
MOTTA JJ: 248
MOTTA L: 3984
MOTTAZ JH: 2663
MOTUZKOV IN: 1198
MOTYCKA L: 1555
MOUDGIL VK: 2664
MOUGENOT JF: 2146
MOUGEY EH: 2455
MOULIAS R: 1346
MOURET J: 2477
MOURET P: 672
MOUROT M: 3098
MOUSSERON-CANET M: 79
MOUSSIER P: 2665

MYERSON RM: 2705
MYRBERG N: 3625
MYTILINEOU C: 3804

N

NABORS CJ: 4097
NACEUR J: 1007
NACHMANSOHN D: 2761
NADAKAL AM: 2706
NADEAU A: 3766
NADEL ER: 3709
NADLER RD: 2707
NAFTOLIN F: 1117, 2708-2709
NAGAI K: 1477
NAGAI S: 2710
NAGASAKI M: 1692
NAGATA I: 92
NAGLE CA: 2711
NAGLER J: 2712
NAGRANI P: 2713
NAGY F: 2714
NAGY G: 147, 1920
NAGY SU: 762
NAHAS N: 2715
NAHMIAS C: 1230
NAHORSKI SR: 2716
NAIK S: 2977
NAIK SR: 2717
NAIRN ME: 2718
NAJENSON T: 2719
NAJJAR VA: 702
NAKACHE JP: 1142
NAKAGAWA K: 2720
NAKAGAWA M: 2661
NAKAGAWA S: 2721
NAKAJIMA F: 3888
NAKAMOTO S: 436
NAKAMURA R: 3771
NAKAMURA T: 2113, 3746
NAKANO J: 2722
NAKANO KK: 3737
NAKANO S: 4205
NAKANOYA Y: 3888
NAKASHIMA K: 2475
NAKAYAMA I: 2723
NAKAYAMA T: 2724-2725
NALDA FELIPE MA: 2726
NAPOLI AM: 1259
NAPOLI LD: 2727
NAPPI AJ: 2728
NARASIMHACHARI N: 2729
NARBAITZ R: 2730-2731
NAREBSKI J: 2732
NARITA S: 4188
NARS PW: 237
NARUMI S: 2733-2734
NASELLO AG: 2735
NASEMANN T: 2736
NASHOLD BS JR: 2737
NASJLETTI A: 1507
NASSAR VH: 3355
NATAF BM: 3825
NATELSON BH: 2738
NATHAN P: 3719
NAUD A: 2739
NAUD R: 2739
NAUMAN A: 2740
NAUMAN J: 2740
NAUTA WT: 1325
NAVA S: 2741
NAVAKATIKIAN AO: 2742
NAVIA JM: 905
NAWAR NN: 2606
NAWRATH H: 2501-2502
NAYAR M: 2743
NAYLER WG: 2744
NAZIPOV AA: 2745
N'DIAYE-BUISSON F: 1343
N'DOYE R: 448, 1554
NEAL P: 2746
NEAVES WB: 2747
NECHELES TF: 2762
NEEDLEMAN P: 2748
NEEMAN M: 2749
NEER EJ: 2750
NEER FC VAN: 128
NEGOITA D: 3175
NEGRO-VILAR A: 2751
NEHRKORN A: 2805
NEIGER M: 2007
NEILSON J: 2752
NEJAD I: 3192
NELIUS D: 3431
NELSON DA: 2753
NELSON DH: 2754
NELSON J: 2222
NELSON-REES WA: 2755
NEMCHENKO VI: 3743
NEMETH A: 1918-1919, 2756
NEMETH M: 2758
NEMETH S: 2757
NEMIROVSKY M: 3861
NEMOTO T: 800
NEMOY NJ: 2758
NENOT JC: 2635
NEQUIN LG: 250
NERI R: 3510
NERSHMAN FK: 2759
NERSHMAN JM: 2759
NESBITT RE JR: 3306
NESTEL PJ: 1023-1024, 4116
NETTER A: 1560, 2760, 3442
NETTER LAMBERT A: 2760
NEUBAUER M: 858
NEUFELD AH: 4219
NEUFELD E: 134
NEUMAN WF: 3361
NEUMANN E: 2761
NEUMANN K: 4240
NEURAY J: 831
NEUSCHATZ J: 2762
NEUSPILLER NR: 2711
NEVE P: 1941
NEVILLE AM: 666
NEVINNY HB: 1378
NEVOROTIN AI: 2029
NEW MI: 2763
NEWELL GB: 3998
NEWELL JE: 538
NEWMAN A: 769
NEWMAN AJ: 2764
NEWSAM JE: 167
NEWSOME HC: 364
NEWSOME HH JR: 2765
NEWTON KA: 1105
NEZADALOVA E: 2766
NG DC: 3735
NG KH: 4200
NGUYEN-CONG-THIEN M: 2767
NGUYEN-VAN-CONG: 337
NIALL HD: 3072
NIANG I: 418
NIAUDET C: 3442
NICAK A: 3564
NICASTRI AD: 1167
NICHOLAS A: 3090
NICHOLLS TJ: 2768
NICHOLS G: 2438
NICHOLSON WE: 2884
NICKERSON M: 2769
NICKERSON PA: 2723
NICKLAS WJ: 301
NICOL M: 2770
NICOLAESCU V: 2771
NICOLESCU E: 2772-2773
NICOLL P: 4105
NICULESCU I: 2774
NIEDERKORN A: 297
NIEJADLIK DC: 3631
NIELSEN J: 2775
NIELSEN LK: 2776
NIELUBOWICZ J: 2777
NIEMEGEERS CJ: 4068
NIEMIRO R: 2539
NIERLE C: 3410-3412, 3414
NIESCHLAG E: 2778-2779
NIEWIAROWSKI S: 2780
NIHEI N: 1703
NIKIFOROV VI: 3723
NIKITINA GV: 3066
NIKOLAEV OV: 2781
NIKOLOWSKI W: 2782
NIKOLSKAYA VN: 173
NIKOV B: 184
NIKOV PS: 4239
NIKULCHEVA NG: 2783
NILLES JL: 2784
NILSSON I: 1394
NILSSON IM: 3335

NILSSON T: 2785
NIMMO J: 2786
NISHI H: 729
NISHIDA T: 3868
NISHIMOTO A: 3769
NISHIYAMA RH: 956
NISHIZAWA C: 2787
NISWENDER GD: 1942
NITISEWOJO P: 3633
NIVEN PA: 2788
NIX DF: 2419
NOACCO C: 3319
NOAILLAC-DEPEYRE J: 2789
NOAKES CA: 3406
NOBIN A: 349-350, 2790
NOBLE EP: 537
NOBLE RG: 2791-2792
NOCKELS CF: 2793
NOEHREN TH: 4101
NOEL GL: 2794
NOEL H: 2795
NOEL P: 2796
NOGUCHI I: 2797
NOGUEIRA JC: 1303
NOLAND BJ: 3528
NOLES RK: 2365
NOLLEN PM: 2798
NOLLY HL: 2799
NOMURA T: 2800
NONAKA T: 33
NORA AH: 2801
NORA JJ: 2801
NORDIN BE: 670, 1211
NORDIO S: 2802
NORDMANN JJ: 2803
NORDQVIST S: 1394
NORFRAY J: 549
NORIEGA-GUERRA L: 2883
NORIEGA-GURRA L: 2804
NORMAN AW: 2547
NORMAN JB: 2620
NORMAN KHK: 1698
NORMAN ME: 2563
NORONHA OP: 726
NORPOTH K: 2805
NORRIS DO: 2806-2807
NORRIS HJ: 1496
NORTH SA: 2808
NORTHERN RE: 2809
NOSCHEL H: 2810
NOSEDA G: 2811
NOSSEL HL: 2871
NOTIDES AC: 2812
NOUET JC: 2813
NOVIANT Y: 2183
NOVIKOVA LA: 2950
NOWAK A: 2553
NOWELL NW: 1660
NUDEMBERG F: 1314
NUMASAWA T: 2814
NUNES LB: 2249
NUNNING BC: 3063
NUSSBAUM AI: 3184
NUSSDORFER GG: 2815
NUTIK SL: 2816-2817
NUTTALL FQ: 3452
NUTTING DF: 2047
NYBERG-HANSEN R: 2818-2819
NYDEGGER UE: 2820
NYGREN KG: 2821
NYHUS LM: 1199
NYMAN PO: 1544

O

OAKLEY NW: 2822
OARA A: 3773
OATES RK: 2823
OATLEY K: 3852
OBARA K: 2868
OBERLEAS D: 3081
O'BREIN PJ: 1646
O'BRIEN A: 671
O'BRIEN JS: 3982
O'BRIEN PJ: 1647-1648
OCHI Y: 2824
OCHIAI K: 2825, 2891
OCHS HG: 2826
ODEKU EL: 2827-2828
O'DELL BL: 2829
ODELL GB: 1806
ODGERS R: 4042
ODINOKOVA VA: 1863
O'DONNELL J: 2830
O'DONNELL JM: 2831
OE M: 140
OEHME J: 2832
OELS HC: 546
OERIU S: 4144
OETLIKER OH: 4257
O'FARRELL MJ: 3722
OFSTAD E: 2833
OGANOV RG: 2039
OGATA M: 2834
OGAWA M: 2835
OGG CS: 208, 477
OGILVIE RI: 3903
OGILVY KM: 2836
OGURA H: 140, 2837
O'HALLORAN MW: 4069
OHANIAN C: 2838, 3140
OHMAN JL JR: 2839
OHNO S: 2840
OIMOMI M: 140
OISHI T: 2841
OISO Y: 2596
OKADA H: 2290
OKADA T: 1705
OKADA Y: 2842
OKAMOTO E: 2800
OKAMOTO T: 211
OKAMOTO Y: 3771
OKAMURA H: 4193
OKANO K: 1187
OKAWARA SH: 2843
O'KELLY JC: 2844
OKUMURA H: 2845
OLBING H: 2846
OLBRISCH R: 3195
OLDFIELD JE: 4177
OLDHAM RK: 2847
OLDS ME: 2848, 4215
OLEKSA AP: 141
OLENEV SN: 2849
OLIAI A: 2850
OLIN R: 2851
OLIVE D: 3098
OLIVE G: 1225
OLIVER C: 1761-1762, 3567, 3921
OLIVER J: 2852
OLIVEREAU JM: 2853
OLIVEREAU M: 2854
OLIVETTI CC: 1963
OLIVIER C: 2855, 4091
OLIVIER GC: 967, 2856
OLIVIER L: 3985
OLIVIERI V: 923
OLLEY PM: 669
OLMEDO-ZORRILLA M: 395
OLSEN MW: 2857
OLSEN WR: 3528
OL'SHANSKII VM: 1345
OLSON L: 2858
OLURIN EO: 2859
OMAR ME: 2900
OMDAHL JL: 422
O'MEARA GF: 2860
OMORI K: 1720
OMORI Y: 2861
OMURA GA: 2862-2863
ONDO JG: 2864-2865
ONDRUS B: 176
ONG PL: 2866
ONIPKO VA: 503
ONO K: 33
ONO M: 2867
ONO S: 2451, 2868
ONO T: 2069
ONODERA T: 2869
ONTJES DA: 2870
ONUORA CA: 2871
OOMS HA: 709
OOSTERHUIS H: 2872
OPPENHEIMER JH: 2873
ORAM RH: 2874
ORBERG J: 2875
ORBETZOVA V: 3623
ORDYNIEC H: 1316
O'REILLY PJ: 2876
ORENGO P: 735
ORFANOS CE: 2877, 3415
ORGAZZI J: 1406
ORGIAZZI J: 2641
ORIAS R: 2751
ORIMO H: 1509
O'RIORDAN JL: 2878, 3066
ORKIN LA: 2281
ORLOFF J: 3731
ORMAI S: 2879
ORMOS J: 2880
OROSZLAN S: 3738
O'ROURKE JN JR: 2881
ORR JC: 422
ORSINI MW: 365, 2882
ORSKOV H: 4074
ORTEGA E: 718, 2004, 2883
ORTH DN: 2884
ORTS RJ: 2885
ORVIS AL: 1940
ORZALESI MM: 354
ORZECHOWSKI R: 3525
OSAKA M: 2886
OSAWA N: 2887-2888
OSAWA Y: 2749
OSBORN D: 2889
OSCHMANN H: 1300
O'SHEA JD: 2890
OSHIMA H: 2825, 2891
OSHIMA S: 3532
OSIESCU J: 637
OSMAN SA: 2908
OSMOND DH: 3839
OSSELTON JW: 817
OSTBERG L: 2996
OSTERHOLM JL: 2445
OSTERLAND CK: 1429
OSTMAN J: 2892
OSUNKOYA BO: 2828
OSUNTOKUN BO: 1041, 2827, 2893
OSWALD UW: 2141
OTAKI S: 2894
O'TOOLE AG: 1306
OTSUKA K: 3193
OTSUKA M: 2895
OTT CE: 1999
OTTE W: 2896
OTTO K: 1845
OUIMINGA RM: 2524
OURISSON G: 75
OWEN K: 3817, 4043
OWEN OE: 383
OWEN-LLOYD P: 1824
OXORN H: 3039
OYAMA H: 2475
OYAMA J: 67
OYAMA K: 3746
OZA SM: 3933
OZAWA H: 2897
OZAWA T: 2090
OZIAS CB: 2898
OZON R: 91, 2424

P

PAASONEN MK: 29
PACKARD GC: 2899
PACKARD MJ: 2899
PACKHAM MA: 2900
PACOVSKY V: 618, 2901
PADALKO PI: 1065
PADILLA-ROMO I: 3236
PADZIK H: 2935
PAEGELOW I: 4118
PAGANI G: 3924
PAGANO RR: 529, 933
PAGE P: 2628
PAGEAUT G: 314, 3179
PAGES A: 2902
PAGES RA: 2903, 2903
PAICE F: 891
PAILLARD F: 103
PAJOT MT: 3629
PALADINI AC: 2972
PALCEVSKI G: 3665
PAL'CHUN VT: 3687
PALEEVA FM: 3492
PALEM-VLIERS M: 2201
PALICARI G: 2904
PALINKASHI DG: 193, 2905
PALKOVITS M: 2879

LIBRARY U. OF L. URBANA-CHAMPAIGN

AUTHOR INDEX

PAVLOTSKII AI: 2950
PAVUR J: 2951
PAWLIKOWSKI M: 2952
PAWLOTSKY Y: 2953
PAY MG: 2954
PAYARD J: 144
PAYK TR: 2955
PAYNE AP: 2956-2957
PAYNE W: 739
PAYNE WD: 2615
PAYNE WS: 645
PEACHEY JE: 2958
PEACOCK M: 2696
PEAKE GT: 2959
PEARCE OD: 1412
PEARL M: 1690
PEARSE AG: 2960
PEARSON KD: 928
PECKER J: 2961-2962
PECKHAM WD: 2963, 4189
PECORINI V: 4063
PEEK FW: 3019
PEEL J: 2964
PEETERS G: 888
PEGG AE: 2965
PEGUM JS: 2966
PEKKARINEN A: 2967
PEKNICOVA J: 3046
PELAK Z: 1637
PELARDY G: 2809
PELLERAT J: 3820
PELLETIER G: 2968
PELLETIER J: 2969
PELLINIEMI TT: 3224
PELLISSIER JF: 3844
PELOCCHINO AM: 2970
PEMBREY ME: 2971
PENA C: 2972
PENEVA L: 2973
PENG MT: 2974
PENG YM: 2974
PENHALE WJ: 547-548
PENNA M: 3526
PENNEQUIN P: 2975
PENNEYS NS: 2976
PENNINGTON GW: 2977
PENNINGTON JC: 123
PEQUIGNOT JM: 85
PERA F: 2978
PERAH G: 367
PEREK M: 2979, 3165, 3608
PERES G: 616
PERET J: 2980
PERET J: 2981
PEREZ AE: 2982
PEREZ G: 3338
PEREZ-CRUET J: 735
PEREZ LLORET A: 3477
PEREZ-PALACIOS G: 2982
PEREZ PENA F: 3619
PEREZ-UBIERNA C: 4229
PERHEENTUPA J: 2208, 2983
PERIANAYAGAM WJ: 499
PERICOLI MN: 591
PERKINS H: 66
PERLMAN D: 2709
PERLMANN GE: 2984
PERNOLL ML: 3090
PERON FG: 1449-1450
PERREAULT WJ: 2985
PERRIARD ER: 3371
PERRIN J: 922
PERROT H: 3820
PERRY CH: 1352
PERRY JS: 1701-1702
PERRY S: 2279
PERRY TL: 2986
PERSIJN JP: 1012
PERSINGER G: 2451
PERSKY L: 2987
PERSSON AV: 2943
PERSSON B: 2988
PERTOFT H: 2996
PERTUISET B: 2989
PERZIGIAN AJ: 2990
PESKIN GW: 1875
PESSIN A: 2451
PESTEL M: 2991, 3305
PETCHCLAI B: 2992
PETEC G: 3913-3914
PETER RE: 2993
PETERS DA: 1644
PETERS ER: 2467
PETERS RH: 1934
PETERSON AW JR: 2994
PETERSON DM: 1493
PETERSON ER: 1617
PETERSON EW: 2995
PETERSON JJ: 933
PETERSON PA: 2996, 3922
PETERSON RE: 2763
PETERSON WD JR: 2755
PETIT A: 313
PETITO F: 2332
PETITPREZ A: 4005
PETO R: 3978
PETRASEK J: 366
PETRESCU M: 2948
PETRIANIK VD: 2997
PETRISHCHEV NN: 2998
PETROLLINI R: 289
PETROVA-VERGIEVA T: 2999
PETSAS AA: 3000
PETTERSON U: 1194-1195
PETTINATI S: 3001
PETTINGER WA: 779
PEVZNER LZ: 4014
PEYRESBLANQUES J: 3002
PEYRIN L: 85
PEYRON JG: 3003-3004
PEYSER MR: 1481
PEZZINO V: 3984
PFAFFENBACH DD: 3005
PFALTZGRAFF RE: 3006
PFAUTSCH M: 1501
PFEIFER I: 3007
PFEIFER WD: 3008
PFEIFFER EF: 3302, 3410-3412, 3414, 3450
PFEIFFER R: 1403
PFEIFFER RA: 3009-3010
PFEIFFER SE: 3740
PHALEN RF: 3011
PHAM-HUU-TRUNG MT: 2975
PHAROAH PO: 3012-3013
PHIFER RF: 3014
PHILADELPHY G: 3015
PHILBERT M: 453
PHILIP G: 3016
PHILIP J: 2515, 3671
PHILIPPE E: 1145
PHILIPPU A: 3017, 3102
PHILLIPS AG: 3018
PHILLIPS EM: 1242
PHILLIPS GC: 3799
PHILLIPS RE: 3019
PHILLIPS WA: 2929
PHILLIS JW: 3020
PHILPOTT GW: 3021
PHOENIX CH: 976
PIANETA C: 673
PICARD JY: 337
PICKENS LG: 2566
PICKERING AD: 915, 3022
PICKREN K: 4243
PICO I: 3023
PIEL CF: 3272
PIEMONTE G: 3024
PIEPENBROCK S: 1540
PIERCE JG: 713
PIERGENTILI M: 289
PIERNICK D: 1377
PIERREPOINT CG: 3297
PIETERS G: 3025
PIETREK J: 3026
PIETTE C: 3027
PIETTE M: 3027
PIEZZI RS: 3028
PILLAY VK: 2109
PIMSTONE B: 2228, 3029
PINCHERA A: 1068
PINELLI A: 3030
PINKERTON JA: 1140
PINKERTON PH: 1111
PINKUS JL: 3898
PINTO JE: 3205
PINTO M: 3506
PINZAUTI S: 3031
PION R: 605
PIORKOWSKI J: 465
PIOTTI LE: 3032

PIPER JM: 1756
PIRANI CL: 896
PIRAZZOLI P: 654-655
PIROGOV AB: 1380
PIRVULESCU P: 3033
PISANTI N: 3034
PITOT HC: 656, 1729
PITRE D: 1058
PITT B: 3035
PITTMAN JA: 3036
PITTMAN JA JR: 3037
PITTMAN RP: 3038
PIVEN' NA: 3054
PLA-DELFINA JM: 792
PLACHETA P: 1021
PLANAS E: 1755
PLANTE P: 2146
PLANTE R: 2739
PLATAKIS I: 2252
PLATONOVA E: 185
PLATSOUKAS C: 2128
PLATTNER G: 3039
PLAUT M: 3040
PLAZA JA: 479
PLENK H JR: 3041
PLETSCHER A: 871
PLISETSKAIA EM: 2206
PLISS GB: 3042
PLOTKIN D: 1581
PLOTZ PH: 1964
PLUZNIK S: 1700
PODLESKI UG: 3043
PODLESKI WK: 3043
PODOS SM: 3044
POEL AM VAN DER: 1290
POEY J: 1007
POGORZELSKA-LIS M: 192
POHLOVA G: 3053
POHORECKY LA: 186
POINTIS G: 3045
POIRIER R: 1984
POLACEK K: 3094
POLACKOVA M: 3046
POLAK J: 2960
POLESE A: 1399
POLETTI CE: 3047
POLGAR P: 3048
POLISHCHUK FA: 3049
POLK HC JR: 3050
POLLAK VE: 896
POLLARD I: 3710
POLLARD RM: 3051
POLLI GP: 3061
POLLITT N: 2672
POLMAR SH: 2847
POLOSA P: 3984
POMERANTZ G: 3052
POND WG: 1651
PONFUCH A: 3053
PONOMARENKO AI: 3054
PONTIUS AA: 3055
POORTMAN J: 3056
POPOV A: 3057
POPOVA NK: 3058
POPOVTZER MM: 1414
POPOWNIAK KL: 436
PORCELLI G: 3059
PORTER IH: 3060
PORTER JC: 2864-2865
PORTERFIELD N: 2426
PORTET R: 960, 2166
PORTHA B: 3295
PORTNOFF JB: 3061
PORTNOI VF: 3062
PORTUS RM: 3063
PORZIG H: 3064
POSADAS C: 3065
POSEN S: 1707, 3084
POSKALENKO AN: 3066
POSNER HS: 3067
POSPISIL J: 1083, 3093
POTKAY S: 3068
POTKIN VE: 4009
POTMA BJ: 3069
POTORAC E: 3490
POTTON F: 3070
POTTS DM: 3071
POTTS JT JR: 1431, 2696, 3072, 3075
POTTS M: 2964
POUEZAT JA: 3296
POULAIN P: 3073
POULOS A: 3074
POULOS J: 1911
POULSEN BJ: 512
POUSSE A: 2517
POWELL D: 246, 928, 1431, 2696, 3075, 3537
POWELL DA: 2671
POWELL DE: 2249
POWELL K: 3076
POWELL M: 1902
POYEN B: 338
POZET N: 4235
PRAAG HM VAN: 3077
PRABHAKAR AK: 3078
PRADER A: 1700, 4217
PRADHAN SN: 3079
PRANGE AJ JR: 2112, 3080, 4134-4135
PRASAD AS: 3081
PRASAD DS: 3082
PRASAD VK: 3083
PRATLEY SK: 3084
PRATT H: 3085
PREECE MA: 3086
PREEDY JR: 4175
PREISOVA J: 3087
PRELOT M: 3088
PRENSKY AL: 3089
PRENTICE CR: 1642-1643
PRESCOTT DM: 4147
PRESCOTT GH: 3090
PRESCOTT LF: 2786
PRESL J: 1083, 3091-3094
PRESSMAN D: 279
PRESTON BN: 1123
PRETELL EA: 3095-3097
PREUSS EG: 2082
PREVOT J: 3098
PRICE D: 1417
PRICE HV: 3099
PRIER A: 557
PRINCE WT: 309
PRIVAL MJ: 3100
PROCUNIER JD: 4132
PROPPE A: 3101
PROPST A: 1631
RROST A: 3500
PROVOST TT: 889
PRUD'HOMME MJ: 3309
PRYKE ES: 4116
PRZUNTEK H: 3017, 3102
PRZYREMBEL H: 444
PSATTA DM: 3103
PSILAS K: 3104
PSOMADAKIS C: 723
PUCK M: 3245
PUCK TT: 1822, 2479, 4180
PUCKETT CR: 225
PUGH JW: 3105-3106
PUHLER A: 3107
PUIG M: 1755
PUKHOVA GS: 2469
PULLAR IA: 4197
PUN LQ: 3108
PUPO AA: 3526
PURANDARE TV: 1673, 3149
PURCHAS RW: 3109
PURDY R: 1251
PURIZHANSKII II: 801
PURKAYASTHA PK: 1880
PUSHPA V: 3110
PUSTERLA A: 553
PUSZKIN S: 301

Q

QUADAGNO DM: 3111
QUASTEL DM: 1656
QUEEN G: 2119
QUENUM C: 693
QUERIDO A: 843, 3112
QUEVEDO WC JR: 3113
QUIRK JG: 3114
QUIRK JM: 428

R

RAAB W: 3115
RAAB WP: 3116
RABIN R: 2987
RABINOWITZ Z: 2631
RABITO CA: 3117
RABSON AS: 3118, 3792
RABY C: 1947
RACADOT A: 1141, 2275, 3119
RACADOT O: 3985
RACCIS E: 1068
RACHEV R: 425
RACHIMA M: 4026
RACOVEANU C: 2771
RACZYNSKA A: 1316
RACZYNSKA B: 1601
RADCHIK RB: 1866
RADIN EL: 3106
RADIONOV NT: 1409
RADL J: 2132
RADO JP: 3120
RAESIDE JI: 1842, 3121
RAEVSKII VP: 406
RAEYMAEKERS L: 582-583
RAFALOWSKA J: 3122
RAFII MR: 3123
RAFTERY EB: 3124
RAFULIA VA: 3125
RAGAB AH: 747
RAGHURAM TC: 2078
RAHMAN YA: 3414
RAHN T: 146
RAIBORN C: 3954
RAICHS A: 139
RAIKHLIN NT: 3126
RAINER B: 2978
RAINSFORD SG: 3127
RAISMAN G: 3128-3129
RAISZ LG: 3130, 3361
RAITH L: 3131
RAITI S: 3132
RAITSINA SS: 3133
RAJAN R: 3134
RAJANIEMI H: 3135
RAJENDRAN KG: 3136
RAJERISON R: 380
RAJU PK: 3137
RAJU TN: 875
RAKE JS: 3138
RAKELA OLIVO J: 4211
RAKHIMDZHANOVA MT: 3896
RAKONCZAY Z: 2468
RAKOWSKA M: 777
RALPH P: 3139
RALPHS DN: 2856
RAMA F: 2838, 3140
RAMACHANDRAN J: 2669
RAMADE F: 3141
RAMALEY JA: 2920-2921
RAMAMURTHI B: 175
RAMAN PT: 3952
RAMANDUJAM PB: 175
RAMANNA L: 3142
RAMANUJACHARYULU TK: 3078
RAMASOOTA T: 2992
RAMEE MP: 413
RAMIREZ I: 1061
RAMIREZ M: 2402
RAMON T: 50
RAMOS A: 3143
RAMOT B: 1454
RAMP WK: 1473
RAMSAY CH: 3335
RAMSAY I: 1373, 3144
RAMSEY HE: 699
RAMSEY TA: 630
RAMU A: 3145
RANADE VV: 726
RANCON F: 1766, 3295
RAND MJ: 3108
RANDALL CL: 1245
RANDALL ZC: 3276
RANDIC L: 3146
RANIERI M: 3059
RANKEL S: 3631
RANTA J: 3988
RAO BN: 1880
RAO BS: 3181
RAO LG: 3147
RAO PD: 3148
RAO PS: 592
RAO SS: 1673, 2690, 3149
RAO VJ: 1416
RAOUL Y: 2421
RAPAPORT SI: 3481

LIBRARY U. OF L. URBANA-CHAMPAIGN

REICHARD P: 351
REICHEL G: 3911
REICHLIN S: 1331, 2587, 3192
REID A: 188
REID DB: 2494
REID IA: 3193
REID IM: 3194
REIDEMEISTER JC: 3195
REIDLER RM: 3550
REIFFERS J: 2164
REIL GH: 2311
REIN A: 3196
REINERT P: 1346
REINHARDT JA: 3472
REINHARDT K: 3197
REINHAREZ D: 3198
REINHOLD K: 3199
REINWEIN D: 3200-3201
REIS DJ: 913
REISER R: 3137
REISS E: 3202
REITER RJ: 3052, 3203-3204
REITZ RE: 3983
REMAGGI F: 2427
REMINGTON JA: 1878
REMIZOVA MG: 2060
REMMER H: 393, 1879
RENARD C: 1383
RENAULD A: 3205
RENDALL JL: 340
RENGO F: 3338
RENNELS EG: 3530
RENNER R: 3206-3207
RENTON JP: 1027
RENZIS G DE: 1015
REPETTO F: 327
REPRINTSEVA VM: 507
RESKO JA: 887, 3208
RESTAINO AL: 2798
RETHY A: 3848
RETTORI V: 3986
REULER J: 3883
REULING FH: 3464
REUTER A: 1149
REUTER H: 3209
REUTER LA: 3210
REVESZ T: 3211
REVIE IH: 634
REVILLARD JP: 3862
REWCASTLE NB: 3514
REY J: 452
REY-STOCKER I: 3212
REYES FI: 3213
REYNEKE J: 3946
REYNIER J: 3214
REYNOLDS DG: 2362
REYNOLDS RW: 947
REZABEK K: 127
REZNICHENKO FM: 3215
REZNIKOV AG: 3216
REZVANI I: 2372, 3217
RHAMY RK: 1140
RIBADEAU DUMAS JL: 581
RICCI A: 3218
RICCI G: 923
RICCI RA: 3083
RICCIARDI M: 3219
RICCIO DC: 1245
RICE BF: 684
RICE GG: 3220
RICE K: 1507
RICE PA: 3306
RICE RW: 3221
RICHARD P: 4235
RICHARDS AG: 2574
RICHARDSON J: 129
RICHE C: 724
RICHENS ER: 3222
RICHMOND H: 4207
RICHMOND J: 1543
RICHSHOFFER N: 3976
RICHTER P: 3856
RICKENBERG HV: 500
RIDDELL V: 3223
RIDDLE DL: 1577
RIEBEL O: 3067
RIEGEL KP: 3977
RIEKKINEN PJ: 3224
RIESELBACH RE: 4251
RIETSCHOTEN J VAN: 3072
RIEU D: 1771
RIFAAT M: 3627
RIFKIN H: 1299
RIGAUDIERE N: 2609
RIGGS BL: 3225
RIJN J VAN: 4121
RIKIMARU A: 3226-3228
RILEY HD JR: 1516
RILLEMA JA: 3229-3230
RIMBAUD P: 3231
RIMON A: 3506
RINGOIR SM: 3232
RINNE UK: 2967, 3224, 3233
RIONDEL AM: 3938
RIPPEL RH: 1120, 4109
RISER WA: 1353
RITTER G: 1395, 3234
RITTER J: 513
RITZ E: 3235
RITZEN EM: 1158
RIVA G: 2811
RIVA LP: 3032
RIVADENEYRA J: 3236
RIVAROLA MA: 3370
RIVENZON A: 3237
RIVERA DAMM R: 3238
RIVIER J: 356, 3239
RIVIERE HB: 3240
RIZK G: 3987
RIZZOLI AA: 3241
ROA HS: 3242
ROACH AG: 822
ROACH MK: 1033
ROBB CA: 2339
ROBBERECHT P: 651
ROBBERS JE: 1119
ROBBINS J: 570, 1733-1734, 2903, 3243
ROBERSON LE: 1814
ROBERT A: 2609
ROBERT M: 1068, 1406, 2230
ROBERTS E: 3244
ROBERTS GA: 2863
ROBERTS JC: 2870
ROBERTS MD: 2701
ROBERTS MM: 423
ROBERTS SC: 2618
ROBERTSON JW: 1773
ROBERTSON M: 1685
ROBICHAUD RC: 944
ROBIN M: 1744-1745, 1747
ROBINSON A: 3245
ROBINSON GA: 4117
ROBINSON MR: 3246
ROBINSON SM: 1159
ROBINSON W: 535-536
ROBSON JS: 477
ROBYN C: 709, 2250
ROCCHI G: 2318
ROCH-ARVEILLER M: 255
ROCHAT J: 2128
ROCHE M: 3372
ROCHEFORT H: 3247
ROCMANS P: 297
RODBARD D: 1309
RODBELL M: 1505, 3248, 3317
RODDEN JL: 3249
RODESCH F: 1941
RODIONOV IM: 2116
RODRIGO SAEZ LR: 3250
RODRIGUES H: 3611
RODRIGUEZ B: 188
RODRIGUEZ C: 2883
RODRIGUEZ RE: 88
RODRIGUEZ RV: 3251
RODRIGUEZ V: 3252
RODRIGUEZ ARGUELLES J: 3324
RODRIGUEZ BURGOS F: 1224
RODRIGUEZ DE QUESADA B: 1562
RODRIGUEZ-ZENDEJAS AM: 3327
ROEDIGER WE: 3253
ROEHRIG KL: 56-57
ROELS H: 3254
ROENSBERG W: 3017
ROETZSCHER VM: 2400
ROFFI J: 711
ROFFWARG H: 420
ROFFWARG HD: 1212
ROGALL H: 3255
ROGAZHINSKAIA KK: 18
ROGERS KJ: 2716

ROGERS PJ: 3256
ROGERS QR: 3257
ROGERS RE: 317
ROGLER JC: 4050
ROHDE W: 1994, 3714
ROHLING S: 3092
ROHOLT OA: 279
ROITRUB BA: 2387
ROITT IM: 4060-4061
ROJAS M: 188
ROJAS CANAMAR M: 3258
ROJAS-MIRANDA A: 2183
ROJO-ORTEGA JM: 3259
ROLAND DA SR: 3260-3261, 3313
ROLANDI E: 2302
ROLL H: 3434
ROLLA M: 2464
ROLLAND M: 3262
ROLLIER R: 1252
ROLLIN H: 1079.
ROLLINGHOFF M: 4021
ROLLS BJ: 3263-3264
ROLLS ET: 3263-3264
ROM-BUGOSLAVSKAIA ES: 3265
ROMAIN R: 3266
ROMALDINI JH: 1068
ROMANIUK A: 3267
ROMERO E: 963-964
ROMERO LH: 2662
ROMERT P: 3268
ROMIJN HJ: 3269
ROMMLER A: 3392
RONDHUIS PR: 3270
RONDOT P: 581
RONGEY RW: 3271
ROOF BS: 3272
ROONEY J: 2672
ROOS BE: 1341
ROOS J: 621
ROOT AW: 1311, 2738, 3273
ROOTS I: 3274-3275
ROOYEN RJ VAN: 331
ROPERS HH: 1011
RORKE LB: 4194
ROSA U: 2396
ROSE DP: 13, 3276
ROSE JD: 3277
ROSE NR: 3278
ROSE RM: 3106
ROSE SP: 1624
ROSECRANS CJ: 1092
ROSEN G: 3778
ROSEN JF: 805
ROSEN SW: 3118, 3792
ROSENBAUM S: 2774
ROSENBERG B: 3282
ROSENBERG D: 3279
ROSENBERG EB: 2334
ROSENBERG EW: 1254
ROSENBERG H: 3280
ROSENBERG SA: 2621
ROSENBLATT S: 3474
ROSENBLOOM AL: 3281
ROSENFELD JB: 2719
ROSENFELD RS: 3282
ROSENFIELD AG: 45, 3283
ROSENKRANTZ H: 3400
ROSENKRANZ A: 3284
ROSENSON LM: 3285
ROSENTHAL J: 3259
ROSENTHAL MW: 242-243
ROSENTHAL SH: 461
ROSENTHALL L: 2283
ROSIN HD: 2083
ROSMAN NP: 3286
ROSNER JM: 2711
ROSNER W: 3287
ROSS GT: 438, 1309, 3931
ROSS JW: 3288-3289
ROSS L: 3383
ROSS LJ: 3839
ROSS MH: 3290
ROSSANO P: 3291
ROSSE WF: 3292
ROSSELET E: 3293
ROSSELIN G: 1766, 3294-3295
ROSSELIN GE: 2122
ROSSI A: 3965
ROSSIER AB: 3296
ROSSIER G: 3297
ROSSMAN LG: 2925
ROSTOCK G: 4118
ROSTOKER W: 1298
ROSZKOWSKI-SLIZ W: 3298
ROTENBERG D: 3571
ROTENBERG E: 2335
ROTH GD: 121
ROTH J: 3299
ROTH JA: 3403
ROTH JJ: 1828
ROTH RH: 20
ROTH SR: 3300
ROTHEMUND E: 3301
ROTHENBUCHNER G: 3302
ROTHMAN KJ: 381
ROTHMAN-DENES LB: 3303
ROTHWELL B: 706, 3304
ROTTER S: 2207
ROTTHAUWE HW: 1103
ROUFFY J: 3305
ROULLEAU P: 2229
ROUND JM: 3659
ROUND P: 1597
ROURKE JE: 3306
ROUSH BW: 1188
ROUSHDI IM: 3307-3308
ROUSSEAU J: 880
ROUSSEAU JP: 3309
ROUSSET B: 2638, 2641
ROUSSET H: 490
ROUTON J: 2191
ROUX G: 953
ROUX H: 3567
ROUX JF: 3310
ROUX JM: 3311
ROW VV: 1045
ROWE GG: 1545
ROWELL NR: 3312
ROWLAND LO JR: 3313
ROWLANDS EJ: 3901
ROWSELL AR: 1242
ROWSON LE: 53
ROY AK: 3314
ROY C: 380
ROZEN VB: 3315
ROZENBERG MC: 3316
ROZENGURT E: 3446
RUBACH K: 3122
RUBALCAVA B: 3317
RUBENS-DUVAL A: 3318
RUBENSTEIN A: 3883
RUBERTI RF: 1891
RUBIN AD: 1053
RUBIN AL: 3319
RUBIN BL: 2226
RUBIN H: 238
RUBIN MS: 3320-3321
RUBINSTEIN JH: 1983
RUBIO JM: 138
RUBIO N: 3919
RUCKI EW: 945
RUDAKOV VV: 3322
RUDAS B: 3041
RUDOLPH JH: 2812
RUDOLPH R: 3323
RUEDI B: 2671
RUELIUS HW: 3580
RUFFIE M: 3494
RUHMANN-WENNHOLD A: 2754
RUIZ VELASCO V: 3324
RUKOSUEV VS: 3325
RULEY EJ: 4098
RUNGE A: 1535
RUNGRUONG S: 2992
RUSAKOV VI: 3326
RUSSEK M: 3327
RUSSELL JJ: 243
RUSSELL RG: 3328, 3417
RUTENBURG AM: 3048
RUTLEDGE FN: 3598
RUZHICH AZH: 3329
RYAN JW: 3330
RYAN KJ: 1117
RYAN MT: 3331
RYAN RJ: 1785, 3225
RYAN WG: 2414
RYBACK RS: 3332
RYBAKOWSKI J: 3333
RYCKEWAERT A: 3334
RYLE M: 535
RYMASZEWSKA-KOSSAKOWSKA T: 1740
RYRFELDT A: 3335
RYZHENKOV VE: 2783

S

SAAVEDRA JM: 3336
SABA Z: 1378
SABIN C: 4065
SABOLOVIC D: 3337
SABOW LT: 4051
SACCA L: 3338
SACCO AG: 3339
SACCONE C: 1201
SACHS C: 1832
SACKLER JP: 3340
SACKS P: 3341
SADEE W: 3342
SADEGHI D: 1225
SADEK S: 2376
SADILKOVA M: 2602
SADOVSKY E: 3343
SADUN R: 401
SADYKOV FG: 2486
SADYRALIEV TS: 2495
SAEGER W: 3344
SAFE S: 3345
SAFFOLD OE: 3415
SAFRANEK I: 2602
SAGE M: 1736, 1986
SAHEB SE: 784
SAID SI: 3346
SAIER EL: 7
SAIKIA NK: 2358, 3347, 3980
SAINES M: 2200
SAINT-JAMMES JG: 235
SAIRAM MR: 3348-3349
SAITO J: 2089
SAITO K: 3350
SAITO Y: 1118
SAKAGAMI M: 4192
SAKAMOTO N: 3351
SAKAMOTO S: 2059
SAKHO A: 2524
SALABE GB: 3352
SALAMA AI: 945, 3353
SALDANHA VF: 3354
SALDEEN T: 528
SALE JB: 1909
SALEH M: 2826
SALGANIK RI: 1954
SALIH H: 1105-1106
SALLAY P: 1196
SALLE ED: 1840
SALMON D: 1142
SALMON S: 66
SALOKANGAS R: 2967
SALOMON B: 3459
SALOMON JM: 466
SALTI IS: 3355, 4232
SALTIEL H: 453
SALUJA PG: 3356
SALVANESCHI J: 4064
SALVATI A: 3357
SALVETTI A: 3358
SALZER G: 3359
SALZER M: 3359
SAMEJIMA T: 3386
SAMMAN PD: 1, 3360
SAMMON PJ: 3361
SAMPEREZ S: 2767
SAMSONOVA ML: 3362
SAMUELS LT: 2051
SAMUELSON ML: 3363
SAMUELSSON B: 1469
SAMY TS: 3349
SANBORN BM: 3364
SANBURG LL: 3365
SANCHEZ FRANCO F: 2441
SANDBERG AA: 1973
SANDERS MD: 1470
SANDERS R: 3366
SANDERS-BUSCH E: 4196
SANDMANN ML: 1032
SANDOR T: 3624
SANDOW J: 3367
SANDREW BB: 3368
SANDRIK JM: 3369
SANDRINI NETO R: 3370
SANDS JM: 4105

LIBRARY U. OF L. URBANA-CHAMPAIGN

AUTHOR INDEX

SCHEEL-KRUGER J: 1779
SCHEETZ HA: 1546
SCHEIB D: 3416
SCHEIN PS: 158, 4206
SCHEINBERG S: 3756
SCHENK R: 3328, 3417
SCHERAGA HA: 515
SCHERPE A: 3716
SCHETTLER G: 3418, 3685
SCHIAFFINI O: 3393
SCHIBECI A: 3419
SCHICK M: 3420
SCHIERECK FW: 997
SCHIFRIN B: 3728
SCHIFRIN BS: 3421
SCHILLING H: 1247
SCHILLING RM: 3422
SCHILLING W: 3748
SCHINDL R: 402
SCHINDLER AE: 1162, 3423
SCHIPP R: 3424
SCHLESINGER S: 3425
SCHLETTWEIN-GSELL D: 3426
SCHLEYER M: 3412
SCHLUETER DP: 3427
SCHLUMPF E: 2811
SCHLUNEGGER UP: 388
SCHMARSOW R: 2736
SCHMID-TANNWALD I: 3428
SCHMIDT GA: 1856
SCHMIDT H: 3429-3430
SCHMIDT HW: 2877
SCHMIDT JD: 631
SCHMIDT P: 3007
SCHMIDT TJ: 4029
SCHMIDT UJ: 3431
SCHMIDT-KESSEN W: 3432
SCHMIDT-NOWARA W: 2839
SCHMIDT-WIEDERKEHR P: 4022
SCHMITT P: 622, 3433
SCHMITT R: 3434
SCHMITT W: 1576
SCHNEIDER D: 1535
SCHNEIDER EG: 1999
SCHNEIDER GB: 661
SCHNEIDER HP: 3435
SCHNEIDER JC JR: 2929
SCHNEIDER KM: 1441
SCHNEIDER LC: 1611
SCHNEIDER W: 3436, 3647
SCHNEIDERMAN MH: 3437
SCHNELLER H: 3434
SCHNEYER U: 3912
SCHNIDEER FH: 3438
SCHNOES HK: 1268
SCHOFFLING K: 858, 2778
SCHOFIELD PJ: 3439-3440
SCHOGER GA: 3441
SCHOKMAN FC: 715
SCHOLLER R: 3442-3443
SCHOLZ H: 2501-2502
SCHOLZ V: 3444
SCHOMBERG D: 1475
SCHONAUER T: 2563
SCHOPF E: 3445
SCHOPMAN W: 754
SCHOR S: 3446
SCHRAER H: 1518
SCHRAGE R: 3447
SCHRAMM G: 3448
SCHREIBER V: 3449
SCHRIEFERS H: 1271
SCHRIEWER H: 3161
SCHRODER HG: 3367
SCHRODER KE: 3450
SCHRODER R: 3342
SCHRODERS HH: 2074
SCHROPL F: 2736
SCHRUB JC: 4159
SCHRUEFER JJ: 3472
SCHULER D: 3211
SCHULLEROVA M: 1874
SCHULMAN NH: 1441
SCHULSTER D: 2357
SCHULTE FJ: 3451
SCHULTZ AL: 3452
SCHULTZ DR: 4214
SCHULTZ-LARSEN J: 2775
SCHULTZE RG: 3453
SCHULZ AR: 1654, 2151
SCHULZ E: 3454
SCHULZ I: 4156
SCHULZ LC: 1396
SCHUMER W: 3455
SCHUSTER J: 3456
SCHUT D: 3077
SCHUTTE HH: 2038
SCHUTZ G: 3457
SCHUTZE E: 2488
SCHUTZE I: 3458-3459
SCHWABE U: 3460
SCHWARTZ A: 3461
SCHWARTZ B: 3462
SCHWARTZ HJ: 3839
SCHWARTZ IL: 310, 3463, 4184
SCHWARTZ JC: 1219
SCHWARTZ JT: 3464
SCHWARTZ M: 3300
SCHWARTZ NB: 250, 2882
SCHWARTZ SL: 3998
SCHWARTZBAUM JS: 3578
SCHWARZ F: 3056
SCHWARZ J: 2395
SCHWARZ MI: 3465
SCHWARZLOSE W: 3466
SCHWARZMANN V: 725
SCHWEDES U: 2778
SCHWENKE H: 1535
SCHWENZEL W: 2137
SCHWINGSHACKL H: 1631
SCHWORER CM: 3847
SCLAFANI A: 3467
SCOCCA JJ: 3249
SCOTHORNE RJ: 1834
SCOTT DE: 3468
SCOTT J: 3674
SCOTT JD: 3469
SCOTT JW: 3470
SCOTT RM: 343
SCOUNDRIANOS T: 2128
SEAH CS: 1067
SEALEY JE: 493
SEALY RG: 3498
SEARLE R: 2995
SEATON JF: 1492
SEBASTIO L: 3965
SEBEK V: 3471
SEDLAKOVA E: 1991
SEDVALL G: 1194-1195
SEED M: 13
SEEDS AE: 3472
SEELIGER HP: 3473
SEEWALD HJ: 2810
SEGAL J: 1427
SEGAL RL: 3474
SEGEL D: 4142
SEGERSTROM A: 3475
SEGRE GV: 3072
SEHON AH: 292
SEIDEL D: 3418, 3476
SEIFART KH: 278
SEIFNER J: 2797
SEIGE K: 3912
SEIGER A: 2858
SEILICOVICH A: 3477
SEKI A: 1182
SEKI K: 3478
SEKI M: 3478
SEKIGUCHI K: 3479
SELBY F: 3577
SELE V: 1838-1839, 3671
SELICHENKO AG: 3480
SELIGER G: 2576
SELIGSOHN U: 3481
SELL JL: 1400
SELLER MJ: 3482
SELLERS A: 2758
SELMECZI P: 2125
SELYE H: 3759
SEMENOVA VP: 3551
SEMONSKY M: 127
SEN DK: 3483
SENAULT B: 3484
SENDBUEHLER JM: 3485
SENDRAIL M: 3486
SENEVIRATNA P: 3487
SENG R: 1931
SENOV PL: 3488
SENYI AF: 2780
SEOANE JR: 3489

SERBAN O: 3490
SERBINENKO FA: 1085
SERCK-HANSSEN G: 3491
SEREBROVSKAIA IUA: 3492
SERINGE P: 2760
SERRANO PA: 2700
SERSTE JP: 884
SERVAIS J: 2201
SERVELLE M: 3493
SERVILLE F: 3494
SERVY E: 3495
SESHADRI R: 3136
SETHI N: 3496
SETLOW P: 3497
SEVEL D: 3498
SEYDEWITZ V: 1110
SEYSS R: 3499
SEZE M DE: 3993
SEZE S DE: 929
SEZE S DE: 938
SEZE S DE: 1585, 3334, 3500, 3583, 3993
SGIBNEVA OV: 3501
SHABEL'NIK NM: 1409
SHABUROVA GS: 2024
SHACKELFORD PG: 1057
SHADDUCK RK: 4142
SHAFI MS: 2356
SHAFRIR A: 1444
SHAH DH: 1875
SHAH PN: 3136
SHAH SN: 3502
SHAHIDI NT: 3503
SHAHMANESH M: 3504
SHAIN SA: 3505
SHALGI R: 3506
SHAL'NEVA TS: 3555
SHAMBAUGH GE JR: 3507
SHAMES D: 1902
SHANKAR PS: 3508
SHANKEL S: 736
SHANKS RG: 2336
SHAPIRA Y: 3509
SHAPIRO BH: 1311
SHAPIRO EL: 3510
SHAPIRO HM: 1025
SHAPIRO LR: 4053
SHAPIRO M: 3018
SHARE L: 3534
SHARMA RK: 2372
SHARMA SM: 3142
SHARMA VN: 2165
SHAROUKHOVA KS: 3616
SHAROV BK: 3511
SHARP DC: 3512
SHARP FR: 1474
SHARP GC: 1172
SHARP GW: 3513
SHARPE D: 1411
SHARPE JA: 3514
SHARPE LG: 3751
SHASKAN EG: 3515-3516
SHATOVA LI: 118
SHAVLAEV ZF: 3322
SHCHEDRINA RN: 3517
SHEARD MH: 3518
SHEARER RJ: 3519
SHEARER TR: 1436
SHEEHAN HL: 3520
SHEFER DG: 3521
SHEID B: 3522
EL-SHEIKHA Z: 3523
SHELLENBERGER MK: 3524
SHEMANO I: 3525
SHENKMAN L: 2589, 3526-3527
SHEPHERD GR: 3528
SHERMAN BM: 2037
SHERMAN NA: 3529, 3603
SHERRY DF: 1210
SHESTOPALOVA VM: 2117
SHETH UK: 2717
SHETTY G: 2016
SHIDA N: 2471
SHIFRINE M: 495
SHIINO M: 3530
SHIKES R: 3245
SHILENOK VN: 3531
SHILOV AG: 1954
SHIMADA K: 3532
SHIMADA M: 3533
SHIMIZU K: 3534-3535
SHIMIZU N: 3536
SHIMKIN PM: 928, 3537
SHIMOMURA O: 3538
SHIMOYAMA S: 2548
SHINADA T: 3539
SHINDAROV L: 1206
SHINODA T: 3540
SHINTANI A: 4243
SHIOMI K: 2824
SHIRAI M: 3226-3227
SHIRAISHI H: 2014
SHIRAIWA Y: 1189
SHIRLEY A: 536
SHITOV ST: 3541
SHIU RP: 3542
SHIVAS AA: 2568
SHIVELY JN: 1651
SHIVERS CA: 3339
SHIZGAL P: 65
SHLEIFMAN FM: 3543
SHNIDER BI: 2249
SHOJI H: 2094
SHOJI S: 2091-2094
SHOMER-ILAN A: 3544
SHOPFNER CE: 3545
SHOR V: 1882
SHORE C: 1314
SHORR J: 1426
SHOWEL J: 3778
SHRADER RE: 3546-3547
SHRAGO E: 4003
SHRYNE J: 3111
SHTENBERG AI: 3548
SHULMAN NR: 1590
SHULMAN S: 597, 3549
SHUMAN A: 3695
SHUSTER S: 102, 352-353
SHUTOV AA: 3521
SHVAIDO II: 1198
SHVALEV VN: 3550
SHVEDOV VL: 3551
SHWACHMAN H: 2033, 2043
SIBLEY CH: 3371
SICA RE: 2332-2333
SICA V: 3552
SICKLES EA: 3553
SICUTERI F: 3554
SIDORENKO LN: 3555
SIDOROVA TG: 1866
SIEBER SM: 1494
SIEGAL EJ: 2763
SIEGEL A: 3556
SIEGEL FL: 472
SIEGEL HS: 3810
SIEGEL NJ: 3557
SIEGENTHALER P: 2128
SIEGENTHALER W: 262, 4096
SIEVERS DB: 3558
SIEWERT R: 4032
SIGUIER F: 417
SIIRTOLA T: 2967, 3233
SIKORAV H: 3305
SILBERBERG DH: 3559
SILCOX DC: 2330
SILINKOVA-MALKOVA E: 4123
SILK DB: 2100
SILVA CA: 3379
SILVERS SH: 1298
SILVERSTEIN PM: 2463
SILVESTRINI F: 636, 2291
SILVO P: 421
SIMA P: 2218
SIMARD CP: 3560
SIMARD R: 3797
SIMAVORIAN PS: 49
SIMERNITSKII BP: 1086
SIMETSKII OA: 3561
SIMIONESCU S: 3562
SIMKIN A: 112
SIMKO J: 2511, 3563-3564
SIMKO S: 3563
SIMMONS SR: 3565
SIMON B: 4156
SIMON DR: 3566
SIMON J: 2962
SIMON M: 2953
SIMONIN R: 3567
SIMPSON AA: 3568-3569
SIMPSON BR: 372, 3383
SIMPSON CW: 160
SIMPSON JA: 3980
SIMPSON JL: 1282
SIMPSON MH: 3568-3569
SIMPSON P: 3570
SINGER FR: 1431, 3075
SINGER I: 3571
SINGER JM: 17
SINGER S: 3572
SINGER TP: 1931
SINGH D: 3573
SINGH EJ: 3574
SINGH H: 2431
SINGH N: 3575
SINGH S: 1076, 3576
SINGH SP: 3576
SINGH VN: 3575
SINGHAL RL: 1566, 1644
SINHA AK: 839
SINHA SN: 1784
SINHA YN: 3577
SINHA YP: 22
SINK JD: 3949-3950
SINNAMON HM: 3578
SINNATAMBY CS: 3579
SINNATHURAY TA: 3483
SIOPES TD: 4002
SIPE J: 244
SIROTICH G: 1056
SIRSAT MV: 326, 2034
SIRTORI R JR: 2915
SISENWINE SP: 3580
SISSON JC: 3581
SISSON TR: 521
SIVER PIA: 3582
SIVERTSSON R: 1124
SIX B: 3583
SIXT N: 1571
SIZEMORE GW: 1875, 2416
SIZONENKO PC: 3584
SJODEN AM: 4033
SJOSTRAND T: 584
SKEGGS DB: 3585
SKELLERN GG: 3586
SKELTON DL: 1783
SKILLEN AW: 3587
SKINNER HB: 1656
SKLANSKY BD: 3553
SKOPKOVA J: 911
SKORKOWSKI EF: 3588
SKOROPAD IUD: 3932
SKROMNE-KADLUBIK G: 3589
SKRYPIN EE: 3326
SKULSTAD PA: 3703
SLACK C: 1841
SLADKOVICH VS: 2115
SLAMA G: 2322
SLANGEN J: 572
SLATOPOLSKY E: 1980
SLAVNOV VN: 3590
SLIWINSKI AJ: 3989
SLIWOWSKI A: 1589
SLOAN DR: 3261
SLOPER K: 927
SLOTNICK BM: 3591
SLOWIK J: 3592
SLUITER WJ: 1938
SLUNSKY R: 3593
SLY RM: 3594
SMETANIN VIU: 943
SMETS P: 433
SMILER BG: 479
SMIRNOVA KD: 3616
SMITH A: 159
SMITH AJ: 988
SMITH AM: 2160
SMITH B: 3595
SMITH BK: 814
SMITH C: 1612
SMITH D: 2339
SMITH DF: 3596
SMITH DR: 1663
SMITH DW: 1424, 4088
SMITH EF: 2389
SMITH EJ: 2561
SMITH EL: 2479
SMITH ER: 3597
SMITH GD: 494
SMITH GP: 2738
SMITH GW: 3858
SMITH H: 708

LIBRARY U. OF L. URBANA-CHAMPAIGN

SOUPART P: 3632
SOUTHARD JH: 3633
SOUTHGATE MT: 1342
SOWINSKI J: 3333
SOYKA LF: 250
SPADA A: 1035
SPAHR SL: 659
SPANJERS MT: 1071
SPANOS WJ: 3634
SPARK RF: 411
SPARKS HA: 1047
SPEAR BB: 3635
SPEARS C: 2101
SPECTOR AR: 3636
SPECTOR NH: 3637
SPEER VC: 2702
SPEKTOR EB: 874
SPELLACY WN: 3638
SPENCE HM: 3639
SPENCE MA: 3640
SPENCER J: 3641
SPENCER PS: 916-917
SPERANSKAIA NV: 3492
SPEYER BE: 540
SPICER SS: 3014
SPIELBERGER U: 2271
SPIELMAN WS: 3642
SPIELVOGEL AM: 2547
SPINELLI F: 636
SPINEWINE P: 522
SPIRO MJ: 3643
SPIROVSKI M: 2055-2056
SPITALNY KJ: 825
SPITZ E: 500
SPITZ L: 3253
SPIVAK GL: 3492
SPIVEY BE: 1397
SPONA J: 60, 1291-1293, 3436, 3644-3647
SPORN V: 4064
SPORNITZ UM: 3648
SPRAGUE CA: 1077
SPRANGER J: 3649-3650
SPROLES A: 3399
SPRUNG E: 3651
SQUATRITO S: 3984
SRAER J: 103
SRAM RJ: 3652
SRAMKOVA J: 2411
SREBRO Z: 3653
SRIVASTAVA MC: 3654
SRIVASTAVA SS: 3376
STACHURA ME: 1177, 3655
STACK BH: 538
STADTLER F: 3656
STAEMMLER HJ: 1569
STAFFORD TM: 3657
STAHL M: 237
STALDER GR: 501
STALLWORTHY J: 3658
STAMP TC: 3659
STANBURY JB: 843-844, 3660
STANCEL GM: 3661-3662
STANCER HC: 223-224, 2958
STANCU C: 3562
STANITSKI CL: 3663
STANKIEWICZ A: 465
STANKLER L: 3664
STANKOVSKI M: 1859, 3665
STANLEY JC: 1020
STANOEVA L: 3666
STANSFELD AG: 3159
STANTON BR: 1597
STANTON HC: 3667
STAPINSKA J: 1775
STARER-MENDES H: 3668
STARK A: 1066
STARKA L: 3610, 3736
STARKE K: 3669
STARKOVA NT: 3670
STARLING JR: 1069
STARUP J: 3671
STASIAK L: 670
STASZEWSKA-BARCZAK J: 3672
STAUROVSKY LG: 446
STAVELY HE: 1032
STAVOROVSKY M: 1772
STEBBINGS H: 3673
STEBBINS R: 3674
STECHSCHULTE DJ: 3795
STEENDIJK R: 3675
STEER A: 2290
STEER ML: 3676
STEFANICA M: 524
STEFANOVIC V: 978
STEFANOVIC V: 3677
STEGER G: 3678
STEHLIKOVA J: 3775
STEIGLEDER GK: 3679
STEIN JH: 3680
STEIN L: 4146
STEIN RB: 2573
STEIN S: 389
STEIN WW: 3681
STEINBERG D: 1951
STEINBICKER V: 3682
STEINER AL: 2959, 3683
STEINER B: 1534
STEINER P: 1301
STEINFELD CM: 3684
STEINHART W: 1577
STEINHAUSER J: 3685
STELLA FJ: 3686
STENBERG A: 996
STENEVI U: 349, 2790
STENLAKE JB: 3586
STENSTROM A: 3834
STEPANOVA GA: 3687
STEPHENS DB: 181
STEPHENS RL: 3688
STERBOVA J: 3689
STERESCU N: 104, 2933, 3690
STERESCU-VOLANSCHI M: 3690
STERLING K: 3691
STERN C: 3692
STERN JS: 1809
STERN MP: 3693
STERN RB: 3694
STERN S: 2898
STERN SF: 3695
STERN WC: 2912
STERNBERG J: 3696
STERNBERG JL: 3697
STERNEMANN HO: 4013
STERNER W: 3407
STETSON MH: 469
STEVENS DJ: 3698
STEVENS JC: 232
STEVENS K: 3341
STEVENS VC: 757, 1844
STEVENS WC: 1817, 2565
STEVENSON PM: 3699
STEVENSON-HINDE J: 3700
STEWART B: 2737
STEWART BW: 3439-3440
STEWART JH: 1707
STEWART PR: 3256
STEWART TH: 154
STEWART WK: 1109
STEWART-BENTLEY M: 3701
STIEL JN: 1622
STIFF ME: 469
STIKELEATHER RA: 4135
STIMMLER L: 2386
STINNAKRE J: 3702
STOA KF: 3703
STOCK W: 3195
STOCKERT R: 3833
STOCLET JC: 855
STOELTING RK: 3704
STOEPEL K: 449
STOGMANN W: 3705
STOHR A: 3706
STOILOV S: 1446
STOJAN B: 2684
STOKES PE: 2738, 3707
STOLBACH L: 768
STOLECKE H: 3708
STOLL R: 2408
STOLWIJK JA: 3709
STOLZER BL: 4142
STONE GM: 3710
STONE OJ: 4100
STONE WE: 478
STONEBRIDGE JB: 1377
STOPPOLONI G: 3711
STORCH H: 1535
STOREY B: 1830
STORM DR: 3712
STORR MC: 962
STOTEN AE: 4054

STOTT GH: 4076
STOYE M: 1629
STRAFFON RA: 436
STRAKOVA A: 2757
STRAKOVA M: 3154
STRANDHOY JW: 1999
STRANGMEIER JM: 3713
STRAUBE W: 3714
STRAUCH G: 3715, 3939
STRAUER BE: 3716
STRAUSBAUCH P: 292
STRAZHDINA TD: 3717
STREBELOW W: 3718
STREICHER E: 1534
STRENG CB: 3719
STRIZHONOK VP: 3720
STROBEL Z: 3235
STRODEL W: 1070
STROKOVA IG: 3315
STROMINGER DB: 1911
STRONG CR: 1461
STRONG EW: 1332
STRONG LC: 2001
STRONG R: 13
STROTHER A: 4104
STROVER HM: 3721
STUART RK: 2338
STUDER RO: 1936-1937
STUDIER EH: 3722
STUKKEY AL: 3723
STUMPF C: 1305
STUMPF WE: 1914
STURDY JC: 1137
STURGIS SH: 2033, 2043
STURTRIDGE WC: 2366
STUTTGEN G: 3724
STUTZ FH: 3725
STUTZMAN L: 3726
SU C: 320
SU MO: 320
SUAREZ J: 1081
SUBJAK J: 3727
SUDHA C: 3728
SUDOVA K: 3729
SUETSUGU N: 2475
SUFI SB: 3841
SUGIHARA S: 2388
SUGIMOTO T: 2113, 3730
SUGITA M: 3731
SUH HK: 2794
SUKI WN: 2443, 3732
SUKO J: 3733
SULAKHE PV: 3734-3735
SULCOVA J: 3736
SULIMOVICI S: 2227
SULLIVAN JF: 509
SULLIVAN JM: 3737
SULLIVAN P: 3192
SUMERLING MD: 1543
SUMIYA R: 3730
SUMMER GK: 364
SUMMERS MR: 3738
SUN CN: 3739
SUNDARAM KR: 3078
SUNDARRAJ N: 3740
SUNDBLAD L: 3741
SUNDLER F: 2510
SUNDSTEDT CD: 1193
SUPHAVAI A: 2589
SURIAN ES: 1786
SURJANINGRAT S: 3742
SUROVIKIN DM: 3743
SURUR JM: 151
SUSKIND R: 1351
SUSSMAN JL: 220
SUSSMAN KE: 2107
SUTARIA UD: 751
SUTCLIFFE HS: 3744
SUTHERLAND EW: 1811
SUTHERLAND JC: 1025
SUTIN J: 3277
SUTTA I: 3053
SUTTER BC: 1062, 3745
SUTTER-DUB MT: 3745
SUURMOND D: 2132
SUVANAVEJH C: 45
SUYONO H: 3742
SUZUKI K: 3728
SUZUKI M: 3461
SUZUKI N: 2597
SUZUKI S: 3773
SUZUKI T: 1588, 3228, 3746
SVACINA P: 2602
SVACINOVA J: 3087
SVANBERG G: 3747
SVEHAG SE: 3748
SVERDLIK RC: 3205
SVET-MOLDAVSKII GIA: 2950
SVETLOV VA: 3749
SVIRIAKIN VT: 3890
SVOB M: 3750
SVOB T: 3750
SVOBODA J: 2069
SWANBECK G: 4024
SWANSON HH: 2957
SWANSON LW: 3751
SWANSON RF: 3752
SWEENEY MJ: 546
SWEET F: 1101
SWEET LC: 2551
SWEETMAN BJ: 3753
SWERDLOFF RS: 3754-3755
SWIERCZEWSKI E: 3311
SWISLOCKI NI: 3320-3321, 3756
SWYER GI: 3757
SYLLA S: 2408
SYMONDS HW: 3901
SYROVATKA A: 3094
SZABO A: 1082
SZABO I: 3758
SZABO M: 519
SZABO S: 3759-3760
SZALAY KS: 147
SZANTO D: 3761
SZCZEPSKI O: 3762
SZCZYGIEL A: 4181
SZEGO CM: 3973
SZEP I: 524
SZIJAN I: 3763
SZILAYI G: 2656
SZIRMAI E: 3653
SZONTAGH FE: 3764
SZOTS F: 3765-3766
SZUHAJ BF: 3767

T

TABARELLI S: 3908
TABER P: 3768
TABUCHI K: 3769
TAFT LI: 265
TAGAWA S: 33
TAGLIAMONTE A: 735
TAGLIAMONTE P: 735
TAILLARD W: 3296
TAIT JF: 2287
TAIT JM: 1690
TAIT SM: 4210
TAIUSHEV KG: 3770
TAJIMA C: 3478
TAKAGI K: 3772, 3850
TAKAHARA J: 1509, 3405
TAKAHASHI T: 3771
TAKAORI S: 3779
TAKATS A: 1044
TAKAYANAGI I: 3772, 3850
TAKEBE H: 2800
TAKEDA R: 3906
TAKEDA Y: 2867
TAKEHISA Y: 2597, 3773
TAKEKOSHI Y: 2471
TAKEMOTO N: 1570
TAKEUCHI T: 3774
TALAL N: 1964
TALAS M: 3775
TALERMAN A: 3776
TALLMAN JF: 428
TALLON S: 2210
TALWALKAR V: 3496
TAMASY V: 3777
TAMPLE R: 570
TAMURA K: 1588
TAMURA M: 2090
TAMURA Y: 2187
TAN C: 3778
TAN HG: 3890
TANAKA C: 3779
TANAKA M: 3780
TANAKA S: 3779
TANAKA Y: 3781
TANCHE M: 3812
TANGRI KK: 324
TANGUY A: 2214
TANIOKA S: 140
TANNO M: 4190
TANZER A: 3782
TAO M: 3783
TAORI GM: 3952
TAPP E: 3784
TAPPEINER G: 866
TAPPEL A: 3182
TARASOV DI: 3785
TARASUK A: 2281
TARAZI RC: 968
TAREEVA IE: 2610
TARIVERDIAN M: 2684
TARR GE: 3786-3787
TARSOLY E: 3788-3789
TARTARA R: 3790
TARZALI A: 1007
TASAKA Y: 2059
TASHIJAN AH JR: 3118
TASHIMA CK: 3791
TASHJIAN AH JR: 171, 1241, 1735, 3792
TASHKER ID: 3543
TASKAR AD: 3078
TASKER RR: 3514
TASMAN-JONES C: 3793
TASSONI P: 654-655
TASSY A: 1769
TATEISHI J: 2834
TATEVOSSIAN A: 3794
TAUBER AI: 3795
TAUC L: 3702
TAUSSIG HB: 2686
TAVADIA HB: 1625
TAVCIOVSKI I: 3796
TAWIL E: 3797
TAYLOR AA: 439
TAYLOR DM: 3382
TAYLOR FH: 680
TAYLOR JH: 3798
TAYLOR JJ: 610
TAYLOR MC: 3799
TAYLOR WF: 305
TAYMOR ML: 3827
TAZZARI R: 654
TCHICALOFF M: 3800
TECULESCU D: 2771
TEDESCHI CG: 3801
TEDESHVILI MK: 3887
TEICHBERG S: 1617
TEIPEL H: 2805
TEITELBAUM P: 2432, 3300, 3327
TELEGDY G: 3975
TELEGINA SA: 1365
TELENIUS M: 2235
TELL G: 3279
TELLER RC: 4-5
TELLEZ DE I NON MT: 3802
TELLEZ HURTADO R: 598
TELLIS V: 1299
TEMPEL K: 3803
TEMPLE RJ: 3403
TEMPORELLI A: 3001
TENIERE P: 3807
TENNYSON VM: 3804
TENORIO CANCINO J: 598
TENYI I: 2756
TEOTIA M: 3805
TEOTIA SP: 3805
TERAMI T: 3773
TERASAWA E: 1906
TERAYAMA Y: 1189
TERKEL J: 4079
TERRIEN CM JR: 2415
TERROINE T: 1343
TESK JA: 3806
TESTART J: 3807
TEUTSCH G: 3510
TEWARI JP: 3654
THADANI U: 3808
THAL W: 3459
THAPLIYAL JP: 607
THARANNE MJ: 3809
THAXTON P: 3810
THEILE H: 4129
THEOGARAJ SD: 3811
THEOLOGIDES A: 374, 1959
THERAIN F: 3715

LIBRARY U. OF L. URBANA-CHAMPAIGN

TOMILINA LI: 3849
TOMITA K: 1692
TOMIYAMA A: 3772, 3850
TOMKINS GM: 2062, 2631, 3871
TOMLINSON S: 3086, 3851
TOMMASI M: 2641
TONCEANU S: 245
TONGE DA: 3852
TONKINSON LV: 4023
TONNEL AB: 4005
TONNELIER M: 399
TONOUE T: 3532
TOOGOOD JH: 3853
TOOLE BP: 2276
TOOMEY K: 3854
TOOMEY RE: 2456
TOPEL DG: 3855
TORDET-CARIDROIT C: 3311
TORGYAN S: 3856-3857
TORIZUKA K: 2632
TORMEY DC: 3725
TORRELIO M: 1793
TORRES A: 139
TORRES HN: 1104, 1786, 1846, 3802
TORRES T: 3097
TORRINGA JL: 1668
TORTORA J: 2838
TOSKES PP: 3858
TOSTESON DC: 3859
TOSTESON MT: 3859
TOTH B: 2656
TOTH DM: 3860
TOUITOU Y: 3939
TOULEMONDE F: 1947
TOULLET F: 3861
TOURAINE JL: 3862
TOURAINE R: 835, 3863
TOURIAN A: 3864
TOURNEY G: 3865
TOURNIAIRE A: 85
TOURNIAIRE J: 1406, 2658
TOVERUD SU: 1473
TOWBIN EJ: 3739
TOWNSEND JL: 2393
TOWNSLEY JD: 3866
TOYAMA K: 2666
TRAEGER J: 3862, 4235
TRAIKOV H: 2064
TRAMU G: 3867
TRANSBOL I: 1628, 3868
TRAUNECKER U: 293
TRAUT H: 4072
TRAVAGLINI P: 1035
TREADWAY RC: 3869
TREDWAY DR: 3870
TREE M: 4027
TREFOUEL MJ: 3183
TREGEAR GW: 3072
TREJO-BAYONA R: 847
TRELFORD JD: 3871
TRELSTAD RL: 2276
TREMANN JA: 3872
TREMBLAY R: 3766
TRENTINI GP: 3837
TRESIDDER GC: 1453
TREVENEN C: 3873
TREVISANI A: 3848
TRIGG MJ: 3833
TRING FC: 3874
TRINIAK NG: 1722
TRINITY RG: 2380
TRIPATHI RC: 1470
TRIPP E: 1600
TRISOTTO A: 3394
TRITTHART H: 3875
TRNOVSKY J: 3876
TRONCHETTI F: 2464
TRONNIER H: 882
TROTT NG: 3382
TROTTI MAINA G: 3877
TROUGHT WS: 984
TROUT JR: 727
TROWBRIDGE FL: 3878
TROY FA: 3879
TRUCHOT R: 1022
TRUEHEART PA: 2361
TRUITT EB JR: 3880
TRUNK G: 542
TRUONG-MINH-CAC: 3881
TRYBUCHOWSKI H: 3882
TSAFRIRI A: 2139
TSAI A: 1659, 3883
TSAI CC: 2709
TSANEV A: 2017
TSANG D: 3884
TSAU-YEN-LIN: 1112
TSCHAKALOFF C: 1305
TSCHOPP TB: 3885
TSENG L: 3886
TSILEMANIS C: 270
TSITSISHVILI DR: 3887
TSONEV IV: 2973
TSUCHIMOTO T: 501
TSUCHIYA T: 2895
TSUJI I: 3888
TSUJI K: 4191-4192
TSUKUI J: 3539
TSUTSUMI H: 3889
TSYGANII AA: 3890
TU WH: 3193
TUBIANA M: 3825
TUCCI M: 3291
TUCHWEBER B: 1236, 3760
TUCKER G 3D: 3891
TUCKER RE: 431
TUCKER WK: 3892
TUFFERY-BOUSSINESQ M: 1363
TULCHINSKY D: 3893
TUNBRIDGE WM: 2010, 3894-3895
TUNCHOTT S: 1143
TUNOVA T: 1788
TURAKULOV IAKH: 3896
TURKINGTON RW: 3897
TURLEJSKA-STELMASIAK E: 2328
TURNER AK: 3898
TURNER BM: 3892
TURNER ME JR: 983
TURNER P: 3899
TURPAEV TM: 2404
TURPIN G: 2322
TUSHAUS U: 1026
TUSQUES J: 1256
TUZHILKOVA TN: 3551
TVAROH F: 1446
TVETER KJ: 3900
TWARDOCK AR: 3901
TWAROG BM: 686, 3902
TWAROG FJ: 3278
TWEEDDALE MG: 3903
TWIGG HL: 2727
TYERS MB: 372
TYLER FH: 4097
TYLER HR: 3737
TYLER JP: 3904
TYREY L: 1475
TYRRELL JB: 3319
TYSON JE: 3905
TYSZKA E: 3954

U

UCHIDA K: 2787, 3906
UCHIDA M: 3772
UCHIDA S: 3350
UDEL'NOV MG: 3907
UDENFRIEND S: 389
UDKOW MP: 2123
UDRESCO E: 583
UEHARA T: 3405
UEHLEKE H: 3908
UEKI H: 2091-2094
UENO A: 1167
UGLOVA NN: 4009
UGORSKI L: 1757
UHDE WJ: 3909
UHLICH E: 3910
UJSZASZI L: 1920
ULHOA-CINTRA AB: 3846
ULMER WT: 3911
ULRICH E: 3912
ULUITU M: 3913-3914
UMANSKII H: 3915
UMEHARA C: 3730
UMEZU N: 1692
UMMINGER BL: 3916
UNGAR F: 1664
UNGEHEUER E: 261
UNGERER MJ: 3917
UNTEANU G: 3033
UPTON AR: 2333

URAKABE S: 3731
URBAJTEL M: 3918
URDANETA LF: 1285
URIEL J: 3919
US TL: 1279
USADEL KH: 2778
USON AC: 2512
USPENSKAIA EP: 502
UST'IANOVA ES: 1863
USUBILLAGA A: 3920
UTAKOJI T: 2942
UTIDA S: 1587
UTIGER RD: 229, 1738
UVNAS B: 294

V

VAGNER-CAPODANO AM: 1202
VAGUE J: 672, 1761-1762, 3921
VAGUE P: 1762, 3567, 3921
VAHLQUIST A: 3922
VAHOUNY GV: 1234
VAHRSON H: 3923
VAIDYANATHAN CS: 1868
VAILATI G: 3924
VAINIO H: 3925-3926
VAISFEL'D IL: 3927
VAISRUB S: 3928-3930
VAITUKAITIS JL: 438, 3931
VAKHLAKOVA TV: 3932
VAKIL BJ: 3933
VAKILI BF: 2160
VAKILI-TALEGHANI A: 3946
VAKOV L: 3934
VALDECASAS FG: 1755
VALDES-VALLINA F: 4229
VALDINA EA: 3935
VALE CA: 3936
VALE JR: 3936
VALE W: 1355, 3239, 3937
VALLAT M: 316
VALLEE G: 103
VALLOTTON MB: 3938-3939
VALVERDE C: 2587
VAN ABEELEN JH: 3940
VAN BESIEN MY: 3941
VANCE WB: 2242
VAN DE VELDE E: 3942
VANDENABEELE B: 3942
VANDENBERGH JG: 3943
VAN DEN SPIEGEL A: 3025
VANDERHOEFT P: 1315
VAN DER KROON PH: 3940
VANDER LAAN EF: 2925
VANDERLAAN WP: 3577
VANDERMEERS A: 651
VANDERMEERS-PIRET MC: 651
VAN DER RIET F DE S: 3944
VAN DER STRICHT J: 1315
VANE JR: 1073
VAN GEERTRUYDEN J: 297
VANGILDER JC: 3945
VANHA-PERTITULA T: 3135
VANHAELST L: 709
VAN HEERDEN PD: 3946
VAN HEYNINGEN WE: 1967
VANJANI S: 2165
VANJONACK WJ: 3947
VAN LIER JE: 1646
VAN METER SW: 1199
VAN NAGELL JR JR: 2926
VANNOTTI A: 2213
VAN ORDEN LS 3D: 2355
VAN TIENHOVEN A: 1525
VAN-TOLLER C: 3835
VAPAATALO H: 1605
VARAGIC VM: 3948
VARDARIS RM: 1245
VARELA-ALVAREZ H: 3949-3950
VARETTE-DAUVERGNE Y: 4254
VARGA L: 3951
VARGHESE Z: 738
VARGO T: 2709
VARKEY K: 3952
VARLAMOVA VV: 4223
VARMA MP: 3953
VARON S: 3954
VARONOS D: 1870
VARTAPETOV BA: 3955
VASEY H: 3296
VASIL'EV PV: 4009
VASIL'EV VV: 3956
VASQUEZ J: 755
VASSILEV G: 1206
VASSILEVA R: 1206
VATES TS JR: 2753
VAUDRY H: 3957
VAWTER GF: 2697
VEENEMA RJ: 2512
VEENHUIZEN EL: 4023
VEERDONK FC VAN DE: 3958
VEGA P: 3959
VEILLEUX R: 3960
VEIN AM: 3961
VEITH FJ: 1299
VELASCO ME: 3962
VELDE HH VAN DER: 3963
VELICHKOV IV: 96
VENDELMANS-STARRENBURG A: 1627
VENDRELY C: 965
VENDRELY E: 3964
VENEMA K: 2038
VENKITASUBRAMANIAN TA: 3575
VENTRUTO V: 3965
VENTURA WP: 3966
VERA JC: 3048
VERBEEK E: 3967
VERBERT A: 3968
VERBOV J: 3969
VERCESI AE: 3970
VERDIER J: 1392
VERDY M: 2209, 3971
VERGER P: 3494
VERGNAUD O: 2408
VERGNES H: 3486
VERGNES M: 3972
VERITY MA: 3973
VERMA V: 3974
VERMES I: 1066, 3975
VERNE J: 3976
VERSCHOOTEN F: 888
VERSMOLD H: 3977
VERY JM: 3296
VESELY J: 656
VESSEY MP: 3978
VESTERHUS P: 3979
VETTER W: 262
VETTERS JM: 3980
VIAZITSKII PO: 3981
VIBE-HANSEN H: 510-511
VICOLEANU N: 2948
VIDAILHET M: 3098
VIDAKOVIC Z: 1334
VIDAL NA: 919
VIDGOFF J: 3982
VIERNE Y: 1745
VIETTI TJ: 747
VIEWEG WV: 3983
VIGAS M: 2757
VIGILANTE M: 487
VIGNAIS PV: 2540
VIGNERI R: 3984
VIJAY IK: 3879
VIKGREN P: 126
VIKHA IV: 1953
VIKLICKY V: 2218
VILA-PORCILE E: 3985
VILARDELL E: 2435
VILIM A: 578
VILLAMIL MF: 3986
VILLANUEVA AR: 4124
VILLAROS J: 2168
VILLIAUMEY J: 3318
VILLON JC: 398
VILMOS F: 2157
VINCENT JM: 313-314, 2665
VINCENT M: 85
VINCENTI F: 3987
VINCI A: 1091
VINNITSKAIA ML: 4222
VINNITSKII VB: 187
VINOKUROV IN: 3622
VINOKUROVA MI: 43
VIOL G: 1230
VIRGALA J: 3876
VIRKKUNEN P: 3988
VIRSHUP AM: 3989
VISBECQ J: 1386
VISEK WJ: 4029
VISHNEVSKAIA DN: 3384
VISHNEVSKII IUB: 3990
VISHNIAVSKY S: 3991
VISUVARATNAM T: 3992
VITALE C: 3993
VITALE R: 3994
VITRY L: 1791
VIVIAN S: 2119
VLACHOS P: 2252
VLAHAKIS G: 4168
VLASENKO LP: 3995
VLASOV NA: 3961
VOCI VE: 3996
VODKAILO SHI: 3997
VOELTER WW: 3998
VOETS JP: 828
VOGEL C: 755
VOGEL CL: 438
VOGEL HG: 3367, 3999
VOGEL W: 1011, 3448
VOGLMAYR JK: 3074, 4000-4001
VOGT M: 116
VOHRA P: 4002
VOICHICK J: 4003
VOICULESCU I: 1011
VOIGT KH: 3410
VOIGT W: 4004
VOISIN C: 4005
VOISIN GA: 3861
VOJTISKOVA M: 3046
VOKAER R: 2182
VOLCANI R: 1327
VOLCHEK AG: 3315
VOLF V: 4006
VOL'FSON NI: 3042, 3617
VOLKERT WA: 782
VOLKMER HP: 3875
VOLKOV AV: 4007
VOLKOV BP: 2115
VOLKOVA OV: 2116
VOLLMIN JA: 4217
VOLLRATH L: 4008
VOLOZHIN AI: 4009
VOLOZHIN SI: 2320
VOLOZHINSKAIA GIA: 4010
VOLPE R: 986, 1045
VOLTERRA G: 3034
VOLYNSKII IUD: 4011
VON HAAM E: 2691
VON VOIGTLANDER PF: 4012
VOORHOEVE A: 4013
VORONKA GSH: 4014
VOSS C: 4015
VOTOCKOVA J: 4016
VOTTERO-CIMA E: 4195
VOUROS P: 4017
VOWELS MR: 4018
VP: 906
VROBEL T: 4019

W

WACHS G: 2663
WADE CW: 2222
WADE ME: 50
WAECHTER R: 3041
WAGNER H: 4020-4022
WAGNER JF: 4023
WAGNER V: 1083
WAGNER WX: 2613
WAHBI AM: 1691
WAHLBERG JE: 4024
WAHNER HW: 1266, 3225
WAHRMANN JP: 4025
WAINRACH B: 4026
WAITE LC: 696
WAITE MA: 4027
WAKABAYASHI K: 1906
WAKASUGI N: 4028
WAKELING AE: 4029
WAKERLEY JB: 2289, 4030-4031
WAKIM JM: 2538
WAKISAKA G: 92
WALASZEK EJ: 3524
WALDECK F: 4032
WALDMANN TA: 437
WALDSTEIN SS: 473
WALIGORA A: 3612
WALINDER G: 4033
WALK T: 3423
WALKER BL: 61

LIBRARY U. OF L. URBANA-CHAMPAIGN

WEHMANN RE: 3683
WEICHERT RF 3D: 317
WEICK RF: 1888, 4084
WEIDLER DJ: 4077
WEIL D: 337
WEIL-FUGAZZA J: 2199
WEINBERGER MH: 4078
WEINDL A: 3468
WEINER RI: 4079
WEINSTEIN A: 240
WEINSTEIN RL: 3983
WEINTRAUB BD: 1241, 3118, 3792
WEINTRAUB I: 4080
WEIR BJ: 4081
WEIS JS: 4082
WEIS P: 4082
WEISE W: 4083
WEISER F: 4032
WEISER G: 1631
WEISS B: 1877
WEISS G: 1888, 4084
WEISS GB: 4085
WEISS GM: 3855
WEISS HJ: 4086
WEISS L: 1124
WEISSBACH H: 2101
WEISSMAN SL: 4087
WEISSMANN G: 4259
WEISWASSER WH: 4088
WEISZ J: 1374
WEITZMAN ED: 420, 1212
WELCH RB: 1296
WELLBY ML: 4089
WELLENS D: 386, 4069
WELLS SA: 928, 4090
WELTI H: 2855, 4091
WENBERG GM: 4092
WENIGER J: 4093
WENIGER JP: 40, 4094
WENNER R: 3951
WENNERSTRAND J: 146
WENSING CJ: 4095
WERGEDAL J: 244
WERLE E: 4216
WERNING C: 4096
WERTHEIM LM: 926
WEST CA: 1513
WEST CD: 4097-4098
WEST CR: 4099
WEST TE: 133
WESTBURG SP: 4100
WESTBURY G: 1106
WESTCOTT JL: 4101
WESTGREN U: 2510
WESWIG PH: 4177
WETZER K: 4102
WHANG-PENG J: 699, 1494
WHANGER PD: 4177
WHEELER EF: 4103
WHEELER L: 4104
WHISTLER RL: 83
WHITAKER AN: 4105
WHITAKER EM: 4106
WHITAKER LA: 1353
WHITCOMB ME: 3465
WHITE A: 2447
WHITE AM: 3570
WHITE HJ: 3739
WHITE IG: 3074
WHITE KC: 4107
WHITE MG: 1996
WHITE NM: 4108
WHITE RJ: 1117
WHITE WF: 1120, 4109
WHITECAR JP JR: 3252
WHITEHEAD PE: 4110
WHITEHEAD RG: 2317
WHITEHOUSE MW: 2946
WHITELOCKE RA: 4111-4112
WHITFIELD JF: 4113
WHITING RL: 622
WHITMORE D JR: 4114
WHITNEY JE: 1000
WHITTAKER J: 1299
WHITTEMORE OJ: 244
WHITWAM JG: 1456, 3628
WHITWORTH JA: 4115
WHYLEY GA: 4054
WHYTE HM: 4116
WICKS WD: 4121
WIDE L: 2821
WIDERA O: 3806
WIDJAJAKUSUMA MC: 4117
WIDMAN M: 3335
WIDY-TYSZKIEWICZ E: 2046
WIEGELMAN W: 3618
WIEGELMANN W: 2779
WIEGERSHAUSEN B: 4118
WIENERS H: 2084
WIERNIK PH: 699, 1025, 3553
WIERNIKOWSKI A: 4119
WIESENDANGER T: 490
WIGGINS JR: 4120
WIGGS EO: 3595
WIJBENGA A: 2031
WIJK R VAN: 4121
WILBER JF: 3080, 4122
WILCZEK H: 4123
WILDE CD: 4124
WILDES RA: 4125
WILEN PE: 4126
WILHELMSEN E: 3912
WILKERSON JE: 556
WILKING HH: 3010
WILKINS JN: 3577
WILKINSON DS: 3628
WILKINSON PM: 685
WILL W: 3123
WILLANT A: 1874
WILLARD D: 4127
WILLGERODT H: 4128-4129
WILLIAM LA: 2621
WILLIAMS AO: 2827-2828
WILLIAMS DA: 3328
WILLIAMS DI: 4137
WILLIAMS DM: 4130
WILLIAMS JD: 952
WILLIAMS KI: 4153
WILLIAMS MA: 4073
WILLIAMS MG: 3530
WILLIAMS MJ: 3222
WILLIAMS R: 3694
WILLIAMS RG: 803
WILLIAMS RH: 4131
WILLIAMS RJ: 540
WILLIAMS RV: 509
WILLIAMS WD: 3586
WILLIAMS-ASHMAN HG: 1977, 2965
WILLIAMSON JH: 4132
WILLING RL: 1159
WILLIS LR: 1999
WILLISON JH: 3673
WILLOUGHBY ML: 4018
WILLS MR: 1490
WILLY WE: 2417
WILMANNS W: 3380
WILMS K: 3380, 4133
WILPUTTE F: 297
WILSON DA: 474
WILSON DG: 3855
WILSON DM: 879
WILSON H: 159, 4197
WILSON HR: 2527
WILSON IC: 3080, 4134-4135
WILSON JF: 4136
WILSON JW: 463
WILSON KH: 2162
WILSON KS: 1710
WILSON L: 4137
WILSON LL: 3949-3950
WILSON M: 2959
WILSON R: 4138
WILSON RG: 423
WILSON RL: 2566
WILSON RS: 2701
WILSON WO: 4002
WILSON WP: 2737
WILSON WR: 492
WILTSE DW: 1558
WIMERSMA GREIDANUS TB: 1290
WINAND R: 2169, 4025, 4139-4140
WINAND RJ: 64
WINDTHORST H: 3977
WINGET CM: 4002
WINIARSKA-MAJCZYNO M: 4141
WINKELSTEIN A: 4142
WINKLER H: 239, 1631
WINKLER K: 4143
WINTER D: 4144
WINTER JC: 1160

WINTER JS: 3213
WINTERS WD: 4145
WISE CD: 4146
WISE GE: 4147
WISE RA: 4148
WISEMAN EH: 2296
WISHART DF: 4149
WISHART JM: 4150
WISNEWSKY C: 1560
WISS O: 1531, 1626
WITHERS BT: 1693
WITHERSPOON DM: 4151
WITTKOWSKI W: 4152
WITTLIFF JL: 4238
WITTSTRUCK TA: 4153
WITTWER B: 4154-4155
WIZEMANN V: 4156
WLADIMIROV B: 4157
WOCKEL W: 1423
WOJCIECHOWSKI NJ: 2467
WOLF°H: 979, 1565
WOLF JC: 4158
WOLF LM: 4159
WOLF N: 4160
WOLFF SM: 1964
WOLFGANG ME: 4161
WOLINSKY H: 4162
WOLK RW: 2457
WOLLENWEBER J: 2736
WOLLMAN SH: 4163
WOLLNER N: 3778
WOLMAN SR: 4084
WONG ET: 3452
WOOD AE: 4164
WOOD CB: 4165
WOOD J: 3980
WOOD JM: 3461
WOOD-GUSH DG: 1662, 4166
WOODD-WALKER RB: 4167
WOODHEAD C: 3076
WOODHEAD JS: 2878
WOODHEAD S: 1565
WOODHOUSE NJ: 1209
WOODING FB: 1618
WOODS MC: 578
WOODS MW: 4168
WOODWARD C: 2452
WOODY MC: 2670
WOOLCOCK AJ: 4169
WOOLF CM: 4170
WOOLNER LB: 3684
WOOTEN GF: 4171
WORTHINGTON RW: 4172
WOZNIEWICZ B: 3122
WRENN ME: 679
WRIGHT DJ: 4173
WRIGHT JW: 4174
WRIGHT K: 4175
WRIGHT PL: 3409
WROBEL J: 2539
WROBLEWSKA-CIELISZAK K: 4141
WU CH: 2316
WU JT: 4176
WU SH: 4177
WUILLERET B: 2128
WULFF DL: 269
WURM K: 2684
WURTMAN RJ: 186, 584
WURTMAN RJ: 4178-4179
WURZ H: 1534
WUTHIER P: 4180
WUYTACK F: 582-583
WYLIE I: 2645
WYNN V: 13, 1976, 2822
WYRWICKA W: 620
WYSOCKI E: 4181
WYSS H: 489

Y

YAFFE H: 3343
YAFFE SJ: 1018
YAGASAKI M: 2835
YAGI K: 4182
YAGIL R: 302
YAGO N: 4183
YAHR FI: 3817
YALOW RS: 310, 3463, 4184
YAMADA F: 4185
YAMADA H: 4190
YAMADA M: 2474, 4186-4187
YAMADA O: 3769
YAMAGA K: 279
YAMAGATA Y: 4188
YAMAGUCHI A: 4188
YAMAJI T: 1888, 2963, 4189
YAMAMOTO K: 2471
YAMAMOTO M: 3535, 4190
YAMAOKA H: 680
YAMAUCHI K: 1703
YAMAURA N: 39
YAMAZAKI F: 2835
YAMAZAKI I: 2894
YANAIHARA C: 4191-4192
YANAIHARA N: 4191-4192
YANEVA H: 2760
YANEZ E: 188
YANG CF: 1649
YANG SL: 4193
YANO J: 3532
YANOFF M: 4194
YANTORNO C: 4195
YARBROUGH G: 3020
YARBROUGH GG: 4196
YARIV S: 4160
YASPIK FLORES S: 3258
YASUE S: 4197
YASUNOBU KT: 3780
YATANI T: 2824
YATES CM: 4197
YATES JC: 886
YDE H: 2775
YEE RD: 4198
YEN CH: 4199
YEN SS: 2709
YEUNG LL: 2294
YEYATI N: 3986
YIP SK: 4200
YIP TT: 4201
YLITALO P: 4202-4204
YOSHIDA H: 3350
YOSHIDA K: 1212, 1881
YOSHIDA M: 2059, 2595
YOSHIHARA T: 3478
YOSHIMOTO Y: 2473
YOSHIMURA M: 2824
YOSHIOKA T: 4205
YOSHITOSHI Y: 3535
YOUDIM MB: 1618
YOUNG JC: 2187
YOUNG JL: 70
YOUNG MK: 251
YOUNG MM: 1211
YOUNG RC: 158, 4206
YOUNG SN: 540
YOUNGLAI EV: 989, 4207
YOUNGREN OM: 3019
YOUNISS J: 4208
YU JY: 4209
YUILE PG: 4210
YULIS MODAK J: 4211
YUNGER LM: 4212-4213
YUNIS AA: 4214
YUNIS EJ: 1528
YUSSUPOVA S: 758
YUWILER A: 4215

Z

ZACCARIA M: 1019, 1056
ZACH HP: 4216
ZACHARY AA: 436
ZACHMANN M: 1700, 4217
ZACKAI EH: 4218
ZADUNAISKY JA: 4219
ZAFIROVSKA K: 1645
ZAGARSKIKH MG: 3785
ZAGER P: 4220
ZAHARIA F: 2581
ZAHND G: 3938
ZAICHIK ASH: 4221
ZAIRAT'IANTS VB: 467
ZAK KP: 4222
ZAKARIAN S: 4254
ZAKHAROVA GN: 4223
ZAKS AS: 802
ZAMBONI L: 4224
ZAMORA MADARIA E: 138
ZAMPAGLIONE NG: 4225
ZANDEE DI: 1992
ZANINOVICH AA: 544
ZANJANI ED: 1329-1330
ZANTEN AK VAN: 1938
ZAPF J: 2111
ZAPHIROPOULOS G: 4226
ZARATE A: 2402, 3023, 4227-4228
ZARKEVICH NF: 2491
ZARRO V: 2485
ZARROW MX: 1001, 3008
ZAUN H: 4230-4231
ZAYNOUN ST: 4232
ZDICHYNEC B: 4233
ZDRODOVSKY PF: 4234
ZEALLEY AK: 2823
ZECCHIN R: 1013
ZECH P: 4235
ZEHR JE: 4236
ZEIGLER M: 3173
ZEIS A: 40, 4093-4094
ZEITLIN SM: 4237
ZELENETSKAIA VS: 467
ZELENTSOVA SP: 3543
ZELENY V: 2218
ZELICKSON AS: 2843
ZELSON PR: 4238
ZEL'TSER ME: 4239
ZEMAN FJ: 52, 3546-3547
ZENDER R: 3296
ZENMAN M: 4240
ZENTENO V: 3097
ZENZES MT: 1011
ZER I: 4241
ZERBINO DD: 4242
ZERVAS NT: 4243
ZESCH A: 4244
ZETTNER A: 4245
ZHEMALETDINOV FG: 1716
ZHENCHEVSKII RA: 4246
ZHIRNOVA GE: 3543
ZHUKOVA SV: 4247
ZIBOH VA: 4248
ZIEGEL S: 606
ZIEGLER R: 1347
ZIEMIANSKI A: 1349
ZIEMINSKI R: 3162
ZIMBRON A: 2700
ZIMMER TJ: 4249
ZIMMERMAN L: 2392
ZIMMERMAN M: 4250
ZIMMERMAN SW: 4251
ZIMMERMAN TJ: 4252
ZIMMERMANN H: 3235
ZIN'KOVSKII MF: 3890
ZINSER HK: 3255
ZIS AP: 1078
ZITTOUN R: 417
ZIVELIN A: 3481
ZIVKOVIC B: 1403
ZIZINE L: 4253
ZLATIN RS: 2387
ZOGRAPHOS G: 4254
ZOLOVICK AJ: 2912
ZOR U: 2139
ZOSIMOVSKAIA AI: 2254
ZOTTER S: 2681
ZSCHIEDRICH H: 1598
ZSCHIESCHE W: 4255
ZSIGMOND EK: 2472
ZUCCHELLI GC: 3358
ZUCKER HS: 4256
ZUCKER LM: 1809
ZUCKER MB: 3885
ZUCKERMAN JE: 1241
ZUCKERMANN H: 4160
ZUDOVA Z: 3852
ZUFFARDI O: 3836
ZUIDEN E VAN: 128
ZUKOWSKI W: 2553
ZURBRUGG RP: 4257
ZURIER RB: 4258-4259
ZURLINDEN B: 691
ZUSSMAN L: 4260
ZVEREVA VI: 874
ZWEIG MH: 4073

☆U.S. GOVERNMENT PRINTING OFFICE: 1973-543-945/8

LIBRARY U. OF L. URBANA-CHAMPAIGN

LIBRARY U. OF I., URBANA-CHAMPAIGN

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here ....., enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here ..... enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A–03
BETHESDA, MARYLAND 20014

Individual copies should be purchased from the Superintendent of Documents.

DHEW Publication No. (NIH) 74-273

V2F Med

VETERINARY MEDICINE
LIBRARY

NDOCRINOLOGY
NDEX

onal Institute of Arthritis,
bolism, and Digestive Diseases

THE LIBRARY OF THE

MAY 14 1974

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

DD

EPARTMENT OF
H, EDUCATION, AND WELFARE
Health Service
al Institutes of Health

NOVEMBER-DECEMBER 1973
VOLUME 6, NO. 6

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are in the Author and Subject Indexes to enable t to identify references with ease. The complete (including index terms) are found but only three authors are listed. Foreign titles appe original language; these titles have been t into English in the Subject Section. Follow citation are index terms which have been as describe the contents of the article. Index ter in capital letters; some of these are accom subheadings which appear in lower case lette isks (*) identify the index terms under whic appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citatio ing in the bibliography are listed, followed b numbers which correspond to the numbers in t Section. The Subject Index is included for venience of the reader who wishes to sele falling in categories of his own conception. ample, one who is interested in protein bin particular hormone could quickly find whet were any articles dealing with this subject by ing if there were any citation numbers comm two headings "protein binding" and the na specific hormone.

Author Index

The names of all authors are listed, followed b numbers which correspond to the numbers in t Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Office
Endocrinology Index
National Institute of Arthritis and Metabolic Diseases
National Institutes of Health
Bethesda, Maryland 20014

Other individuals and libraries may receive this publication by subscribing *directly* to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes 6 bimonthly issues. Subscription price per year in the United States, Canada, and Mexico, $38.00; foreign, $9.50 additional; and $6.40 for a single copy. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

LIBRARY U. OF I. URBANA-CHAMPAIGN

NDOCRINOLOGY INDEX

ational Institute of Arthritis,
etabolism, and Digestive Diseases

Edited by
Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

DHEW Publication No. (NIH) 74-273

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

LIBRARY U. OF I. URBANA-CHAMPAIGN

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

Table of Contents

CATEGORY 1: PITUITARY

Page

ysical and Functional Aspects
Pituitary Gland 1
Pituitary Gland Function Tests* 7
Pituitary-Adrenal Function Tests
(See CATEGORY 3: ADRENAL)
Pituitary Gland Irradiation 7
Pituitary Gland, Posterior. 7

sorders of the Pituitary Gland
cromegaly. 9
denoma, Basophilic 10
denoma, Chromophobe. 10
denoma, Eosinophilic 11
hiari-Frommel Syndrome 11
raniopharyngioma 11
iabetes Insipidus. 11
warfism* 12
warfism, Pituitary 13
roehlich's Syndrome. 14
igantism 14
yperpituitarism* . . . . . --
ypopituitarism*. 14
ypothalamo-Hypophyseal System, Abnormalities and Injuries. . . . . --
nfantilism 15
ituitary Diseases* 15
ituitary Gland, Abnormalities and Injuries 15
ituitary Gland, Posterior, Abnormalities and Injuries. . . . . --
ituitary Neoplasms*. 15
heehan's Syndrome. 17

tuitary Hormones, Precursors, Metabolites and Synthetic Analogs
orticotropin (ACTH). 18
ollicle Stimulating Hormone (FSH). 21
onadotropins*. 25
onadotropins, Pituitary* 26
uteinizing Hormone (LH), (ICSH). 27
ipotropins 32
enotropins 33
elanocyte Stimulating Hormone (MSH). 33
europhysins. 34

more specific terms

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

- Oxytocics
- Oxytocin.
- Phelypressin.
- Pituitary Hormones.
- Pituitary Hormones, Anterior*
- Pituitary Hormones, Posterior*.
- Prolactin
- Somatotropin (GH)
- Thyrotropin (TSH)
- Vasopressin (ADH)
- Vasotocin

IV. Related Topics

- Cyclofenil (F-6066)
- Hypophysectomy.
- Lactation
- Somatomedin (Sulfation Factor).

CATEGORY 2: THYROID

I. Physical and Functional Aspects

- Thyroid Gland
- Thyroid Gland Function Tests*
  - Basal Metabolism
    (See SUBJECT INDEX)
  - Protein Bound Iodine Test
    (See V. Related Topics)
- Thyroidectomy

II. Disorders of the Thyroid Gland

- Cretinism
- Goiter*
- Goiter, Endemic
- Goiter, Exophthalmic.
- Goiter, Nodular
- Goiter, Substernal.
- Hyperthyroidism*.
- Hypothyroidism*
- Myxedema.
- Thyroid Crisis.
- Thyroid Diseases*
- Thyroid Gland, Abnormalities and Injuries
- Thyroid Neoplasms
- Thyroiditis
- Thyroiditis, Lymphomatous

*See also more specific terms

LIBRARY U. OF L. URBANA-CHAMPAIGN

Page

yroid Hormones, Precursors, Metabolites and Synthetic Analogs
extrothyroxine. . . . . --
iiodotyrosine 75
odotyrosine 75
hyrocalcitonin (See CATEGORY 6: PARATHYROID AND BONE)
hyroglobulin. 75
hyroid Hormones*. 76
hyronine. 77
hyroxine. 77
riiodothyronine 80

yroid Antagonists and Inhibitors
arbimazole. 83
ethimazole. 83
ethylthiouracil 83
ropylthiouracil 83
niouracil 83
nyroid Antagonists* 84

lated Topics
xophthalmos 85
xophthalmos Producing Substance (EPS) 85
odides 85
odine 86
odoproteins 88
ong-Acting Thyroid Stimulator (LATS). 88
rotein-Bound Iodine Test. 89
nyroxine-Binding Protein. 90

CATEGORY 3:. ADRENAL

ysical and Functional Aspects
drenal Glands 91
drenalectomy. 98
ituitary-Adrenal Function Tests 99

sorders of the Adrenal Glands
ddison's Disease. 101
denoma, Virilizing. 101
drenal Cortical Rest Tumor. 101

more specific terms

II. Disorders of the Adrenal Glands (Continued)

Adrenal Gland Diseases*
Adrenal Gland Hyperfunction*
Adrenal Gland Hypofunction*
Adrenal Gland Neoplasms*
Adrenal Glands, Abnormalities and Injuries
Adrenogenital Syndrome
Cushing's Syndrome
Hyperaldosteronism
Waterhouse-Friderichsen Syndrome

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analo

Adrenal Cortex Hormones*
Aldosterone
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androsterone
Betamethasone
Corticosterone
Cortisone
Dehydroepiandrosterone
Desoxycorticosterone
Dexamethasone
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Etiocholanolone
Fludrocortisone
Flumethasone
Fluocinolone Acetonide
Fluorometholone
Fluprednisolone
Flurandrenolone
Glucocorticoids*
Hydrocortisone
Hydrocortisone, Topical
17-Hydroxycorticosteroids
Hydroxycorticosteroids
Hydroxypregnenolone (See CATEGORY 4: GONADS)
Hydroxyprogesterone (See CATEGORY 4: GONADS)
17-Ketosteroids
Ketosteroids

*See also more specific terms

LIBRARY U. OF L. URBANA-CHAMPAIGN

Page

enal Cortex Hormones, Precursors, Metabolites and Synthetic
logs (Continued)
thylprednisolone. 133
neralocorticoids* 134
ramethasone . . . . . ---
ednisolone. 134
ednisolone, Topical 136
ednisone. 136
egnanediol (See CATEGORY 4: GONADS)
egnanes* (See CATEGORY 4: GONADS)
egnanetriol 138
egnenes (See CATEGORY 4: GONADS)
egnenolone (See CATEGORY 4: GONADS)
ogesterone (See CATEGORY 4: GONADS)
iamcinolone 139
iamcinolone Acetonide 139

ated Topics
inoglutethimide 140
) 140
tyrapone. 140
tuitary-Adrenal System. 141
nin 141
ironolactone. 143
anscortin 144

enal Medulla
renal Medulla 145
renochrome. . . . . ---
techolamines* 145
romaffin System 146
pa. 146
pamine. 146
inephrine 146
droxydopamine . . . . . ---
pproterenol . . . . . ---
thyldopa. 147
thyldopahydrazine 147
repinephrine. 147
rmatanephrine 148
eochromocytoma. 148
nilmandelic Acid 149

more specific terms

I. Physical and Functional Aspects

- Gonads*
  - Ovary
    - Corpus Luteum
    - Graafian Follicle
    - Ovary*
  - Testis
    - Leydig Cells
    - Sertoli Cells
    - Testis*

II. Disorders of the Gonads

- Arrhenoblastoma
- Bonnevie-Ullrich Syndrome
- Brenner Tumor
- Corpus Luteum, Abnormalities and Injuries
- Corpus Luteum Cyst
- Cryptorchism
- Disgerminoma
- Eunuchism
- Gonads, Abnormalities and Injuries
- Graafian Follicle, Abnormalities and Injuries
- Granulosa Cell Tumor
- Gynandroblastoma
- Hermaphroditism
- Hypogonadism*
- Infantilism (See CATEGORY 1: PITUITARY)
- Klinefelter's Syndrome
- Leydig Cells, Abnormalities and Injuries
- Leydig Cell Tumor
- Meigs' Syndrome
- Ovarian Cysts
- Ovarian Diseases*
- Ovarian Neoplasms*
- Ovary, Abnormalities and Injuries
- Pseudohermaphroditism
- Puberty, Precocious
- Sertoli Cell Tumor
- Sertoli Cells, Abnormalities and Injuries
- Sex Chromosome Abnormalities

*See also more specific terms

LIBRARY U. OF L. URBANA-CHAMPAIGN

Page

isorders of the Gonads (Continued)
Sex Differentiation Disorders 177
Stein-Leventhal Syndrome. 177
Struma Ovarii 178
Testicular Diseases*. 178
Testicular Feminization 178
Testicular Neoplasms* 179
Testis, Abnormalities and Injuries. 180
Theca Cell Tumor. 180
Turner's Syndrome 180

onadal Hormones, Precursors, Metabolites and Synthetic Analogs
Anabolic Steroids*. 182
Androgens*. 182
Androstanes*. 184
Androstenes*. 185
Androstenol 186
Androsterone (See CATEGORY 3: ANDRENAL)
Chlormadinone 186
Chlorotrianisene. 186
Clomiphene. 186
Contraceptives, Oral* 187
Contraceptives, Postcoital. 189
Corpus Luteum Hormones. 190
Cronolone 190
Cyproterone 190
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol. 190
Dihydroxyprogesterone 191
Dimethisterone. 191
Dromostanolone. 191
Dydrogesterone. 191
Estradiol 191
Estranes. 196
Estriol 197
Estrogenic Substances, Conjugated 198
Estrogens*. 198
Estrone 202
Ethinyl Estradiol 204
Ethisterone . . . . . ---
Ethylestrenol 204

so more specific terms

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

- Ethynodiol Diacetate
- Etiocholanolone (See CATEGORY 3: ADRENAL)
- Fertility Agents
- Fluorometholone
- Fluoxymesterone
- Gonanes*
- Hexestrol
- Hydroxymethyltestosterone
- Hydroxypregnenolone
- Hydroxyprogesterone
- 17-Ketosteroids (See CATEGORY 3: ADRENAL)
- Lynestrenol
- Medroxyprogesterone
- Megestrol
- Menotropins (See CATEGORY 3: ADRENAL)
- Mestranol
- Methandrostenolone
- Methenolone
- Methyltestosterone
- Nandrolone
- Norethandrolone
- Norethindrone
- Norethynodrel
- Norgestrel
- Normethandrolone
- Oxandrolone
- Oxymetholone
- Pregnanediol
- Pregnanes*
- Pregnanetriol (See CATEGORY 3: ADRENAL)
- Pregnenes*
- Pregnenolone
- Progestational Hormones
- Progesterone
- Relaxin
- Sex Hormones*
- Stanolone
- Stanozolol
- Testolactone
- Testosterone

*See also more specific terms

LIBRARY U. OF L. URBANA-CHAMPAIGN

Page

elated Topics
Castration. 226
Estrus. 226
Feminization. . . . . ---
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 227
Puberty 228
Sex Chromatin 229
Sex Chromosomes 230
Sex Determination 231
Sex Reversal, Gonadal 231

CATEGORY 5: PLACENTA

hysical and Functional Aspects. 232

isorders of the Placenta
horioadenoma 234
horiocarcinoma 234
ydatidiform Mole 235
lacenta, Abnormalities and Injuries. 235
lacenta Disorders. 235
rophoblastic Tumor 236

acental Hormones, Precursors, Metabolites and Synthetic Analogs
ee also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4:
NADS)
onadotropins, Chorionic. 238
onadotropins, Equine 241
lacental Extracts. . . . . ---
lacental Hormones* 241
lacental Lactogen. 241
omatomammotropin 243

CATEGORY 6: PARATHYROID AND BONES

ysical and Functional Aspects. 244

isorders of the Parathyroid Glands
yperparathyroidism 246
yperparathyroidism, Secondary. 247
ypoparathyroidism. 247
arathyroid Diseases* 248
arathyroid Glands, Abnormalities and Injuries. 248
arathyroid Neoplasms 248

o more specific terms

III. Parathyroid Hormone. . . . . .

IV. Bone Metabolism and Related Topics
- Bone and Bones. . . . . .
- Calcification, Physiologic. . . . . .
- Calcium Metabolism. . . . . .
- Cholecalciferol . . . . . .
- Dihydrotachysterol. . . . . .
- Ergocalciferol. . . . . .
- Ergosterol. . . . . .
- Hydroxycholecalciferol. . . . . .
- Hypercalemia. . . . . .
- Osteogenesis Imperfecta . . . . . .
- Osteomalacia. . . . . .
- Osteopetrosis . . . . . .
- Osteoporosis. . . . . .
- Pseudohypoparathyroidism. . . . . .
- Pseudopseudohypoparathyroidism. . . . . .
- Renal Osteodystrophy. . . . . .
- Rickets . . . . . .
- Rickets, Vitamin D Resistant. . . . . .
- Tetany. . . . . .
- Thyrocalcitonin (Calcitonin). . . . . .
- Vitamin A . . . . . .
- Vitamin D . . . . . .
- Vitamin D Deficiency. . . . . .

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
- Amygdaloid Body . . . . . .
- Hypothalamo-Hypophyseal System. . . . . .
- Hypothalamus. . . . . .
- Neurosecretory Systems. . . . . .
- Pineal Body . . . . . .

II. Disorders of the Amygdaloid Body
- Amygdaloid Body, Abnormalities and Injuries . . . . . .
- Hypothalamus, Abnormalities and Injuries. . . . . .
- Pineal Body, Abnormalities and Injuries . . . . . .
- Pinealoma . . . . . .

LIBRARY U. OF I. URBANA-CHAMPAIGN

Page

roendocrine System Hormones, Precursors, Metabolites and
thetic Analogs
rticotropin Releasing Factor (CRF). 280
latonin 280
tuitary Hormone Releasing Factors*. 280
yrotropin Releasing Ractor (TRF). 282

CATEGORY 8: CYCLIC NUCLEOTIDES

enosine Cyclic 3', 5' Monophosphate 285
anosine Cyclic 3', 5' Monophosphate 292

CATEGORY 9: APPENDIX

enyl Cyclase. 294
anyl Cyclase. 296
rmones, Ectopic 296
oplastic Endocrine-like Syndromes 296
rve Growth Factor 296
ostaglandins. 297
ceptors, Hormone. 305
xohormones. . . . . ---

CTION 308

CTION 313

CTION A-1

NDEX. A-387

DEX A-431

more specific terms

LIBRARY U. OF I., URBANA-CHAMPAIGN

I. Physical and Functional Aspects

PITUITARY GLAND

Properties of human pituitary and urinary LH. Gracesiin D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:56, 1973
Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins. Wildt L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:57, 1973
LH-releasing activity of p-Glu-His-Trp-NH2 and p-Glu-His-Trp. Mecklenburg RS, et al.
Endocrinology 93:993-7, Oct 73
Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts. Spies HG, et al.
Endocrinology 93:814-21, Oct 73
Pituitary plugs. (The normal and abnormal postoperative appearance following radiofrequency hypophysectomy). Libshitz HI, et al.
J Can Assoc Radiol 24:137-40, Jun 73
Genetic factors in fat mobilization.
Nutr Rev 31:157-8, May 73 (3 ref.)
Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al.
Science 181:760-1, 24 Aug 73
Circulatory changes in experimental hyperthyroidism in rats. II. Blood flow through endocrine glands] Kapitola J, et al.
Sb Lek 75:231-6, Aug 73 (Eng. Abstr.) (Cze)

ABNORMALITIES

Anencephaly: a review. Nakano KK.
Arkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)
Empty-sella syndrome. Van Dyk HJ.
Lancet 2:574, 8 Sep 73

ANALYSIS

Lipolytically active peptides from hog pituitary glands. Schleyer M, et al.
Acta Endocrinol [Suppl] (Kbh) 173:179-80, 1973
Special lipid mobilizing hormones from the pituitary gland (lipotropins). Schwandt P.
Acta Endocrinol [Suppl] (Kbh) 173:177-8, 1973
Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters. Reiter RJ.
Ann Endocrinol (Paris) 33:571-81, Nov-Dec 72
The primary structure of sheep pituitary growth hormone. Li CH, et al.
Arch Biochem Biophys 156:493-508, Jun 73
Quantitative change of dopamine in the tuberohypophyseal tract of the rat under some experimental conditions. Kanyama H.
Arch Histol Jap 35:289-99, May 73
Structural investigation of the carbohydrate element of human pituitary follicle-stimulating hormone by methylation analysis. Kennedy JF, et al.
Biochem J 130:417-23, Nov 72
Prolactin and breast cancer. Saluja PG, et al.
Br J Cancer 28:82, Jul 73
Pituitary insufficiency, inappropriate antidiuretic hormone (ADH) secretion, and carcinoma of the bronchus. Epstein S, et al. Cancer 32:476-81, Aug 73
Primary structure of bovine growth hormone. Santomé JA, et al. Eur J Biochem 37:164-70, 1 Aug 73
Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. FEBS Lett 33:218-20, 1 Jul 73
Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Nicholls TJ, et al.
Gen Comp Endocrinol 21:84-98, Aug 73
Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al.
Horm Metab Res 5:58-61, Jul 73
Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 52:1756-69, Jul 73
Determination of the distribution of luteinizing hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay. Firth JA, et al.
J Endocrinol 58:347-8, Aug 73
Nucleic acid and protein content of the frog pars distalis and hypothalamus during the annual reproductive cycle. Rastogi RK, et al.
J Endocrinol 58:129-30, Jul 73
Characterization of corticotrophin-like intermediate lobe peptides from rat and pig pituitaries, and identification of alpha-melanocyte-stimulating hormone in the rat pituitary. Scott AP, et al.
J Endocrinol 58:xv, Jul 73
Physico-chemical characteristics and regional distribution studies of GP-350, a soluble sialoglycoprotein from brain. Nieuw Amerongen A van, et al. J Neurochem 21:125-36, Jul 73
Pituitary peptide. Scott AP, et al.
Nature [New Biol] 244:65-7, 18 Jul 73
[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.) (Fre)
[Hyperthyroidism with unusual thyroid stimulator detected in the pituitary gland] Koshiji Y, et al.
Clin Endocrinol (Tokyo) 21:317-21, Mar 73 (Jap)
[Somatotropic activity of blood serum in leukemia patients] Shurygin DIa, et al.
Vopr Onkol 19:13-7, 1973 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Early effects of stilboestrol on growth hormone and prolactin secretion and on pituitary mitotic activity in the male rat. Lloyd HM, et al.
J Endocrinol 58:227-31, Aug 73
[Endocrinological studies on parabiotic rats with TURISYNCHRON (Metallibur) and TURISYNCHRON-Z. 1. Findings in intact parabionts] Oettel M, et al.
Arch Exp Veterinaermed 26:939-47, Dec 72 (Eng. Abstr.) (Ger)
[Transplantation of the hypophysis] Kazachenok VM.
Probl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119 ref.) (Rus)

BLOOD SUPPLY

Pituitary apoplexy in a child. Case report. Sakalas R, et al. J Neurosurg 39:519-22, Oct 73
[Experimental study of the factors in cytological differentiation of the adenohypophysis in the chick embryo] Ferrand R.
Arch Biol (Liege) 83:297-371, 1972 (Eng. Abstr.) (Fre)

CHEMICAL SYNTHESIS

Pituitary necrosis induced by intrasellar injections of

hexadimethrine-bromide. László FA, et al. Exp Pathol (Jena) 6:240-7, 1972

CYTOLOGY

Isolated pituitary cells: ACTH secretion and synthesis. Lang R, et al. Acta Endocrinol [Suppl] (Kbh) 173:29, 1973

Cyclic adenosine 3',5'-monophosphate dependent phosphorylation of ribosomal proteins from bovine anterior pituitary gland. Barden N, et al. Biochemistry 12:3096-102, 31 Jul 73

Pituitary ACTH and GH content associated with the loss of acidophils following thyroidectomy. Yokoyama M. Endocrinol Jap 19:533-41, Dec 72

Degranulated acidophils as a possible original source of "thyroidectomy cells" in the rat hypophysis. Yoshimura F, et al. Endocrinol Jap 20:181-98, Apr 73

Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al. Endocrinology 93:711-7, Sep 73

LH-RH interaction with the pituitary plasma membrane. Spona J. FEBS Lett 34:24-6, 1 Aug 73

Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. Fertil Steril 24:618-32, Aug 73

Effects of thyrotropin-releasing hormone and hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. Dannies PS, et al. J Biol Chem 248:6174-9, 10 Sep 73

Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. J Biol Chem 248:6180-6, 10 Sep 73

Induction of intranuclear inclusions by estrogen in mammotrophs of the Mongolian gerbil. Nickerson PA. J Ultrastruct Res 44:41-8, Jul 73

Secretion and uptake of peroxidase by rat adenohypophyseal cells. Pelletier G. J Ultrastruct Res 43:445-59, Jun 73

Fine structure of the adenohypophysis in immature sockeye salmon, Oncorhynchus nerka. McKeown BA, et al. Z Zellforsch Mikrosk Anat 140:459-71, 16 Jul 73

Suppression of somatotrophs in growth hormone injected rats. Nakayama I, et al. Z Zellforsch Mikrosk Anat 140:309-14, 1973

[Experimental study of the factors in cytological differentiation of the adenohypophysis in the chick embryo] Ferrand R. Arch Biol (Liege) 83:297-371, 1972 (Eng. Abstr.) (Fre)

[Specific cytological characteristics of the pars tuberalis of the pituitary gland and its early differentiation in the rat fetus] Stoeckel ME, et al. C R Acad Sci [D] (Paris) 277:97-100, 2 Jul 73 (Fre)

[Basement membrane of the epithelial bands of the anterior hypophyseal lobe in rats] Olivier L, et al. C R Soc Biol (Paris) 166:1413-7, 1972 (Fre)

[Histochemical demonstration of sialic acid in mucoid cells of rat pituitary gland] Klessen C. Histochemie 35:297-306, 29 Jun 73 (Eng. Abstr.) (Ger)

[Effect of a cerebral hydrolysate on the central nervous structures with reference to electron microscopic results. Animal experiment study] Sommer H, et al. Schweiz Arch Neurol Neurochir Psychiatr 112:373-85, 1973 (Ger)

[Tissue culture of the anterior lobe of the pituitary gland] Kikawa M. Clin Endocrinol (Tokyo) 21:469-74, May 73 (Jap)

[Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH] Yoshimura F. Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) (Jap)

[Transdifferentiation of the cells of the intermediate lobe of the pituitary] Dedov II. Izv Akad Nauk SSSR [Biol] 3:421-5, May-Jun 72 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et al. Acta Endocrinol (Kbh) 73:417-26, Jul 73

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al. Acta Endocrinol (Kbh) 73:233-49, Jun 73

Regulation of rat pituitary thymidine kinase activity by androgens. Valotaire Y, et al. Acta Endocrinol (Kbh) 73:612-24, Jul 73

The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in the male. Kley HK, et al. Acta Endocrinol [Suppl] (Kbh) 173:92, 1973

Clinical evaluation of L-dopa as a stimulant of STH secretion in normal and obese persons and in patietns with acromegaly. Lucke C, et al. Acta Endocrinol [Suppl] (Kbh) 173:103, 1973

Hormonal response to multiple stimulation with synthetic luteinizing hormone-releasing hormone (LH-RH) in amenorrhoic women. Römmler A, et al. Acta Endocrinol [Suppl] (Kbh) 173:87, 1973

Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al. Acta Endocrinol [Suppl] (Kbh) 173:85, 1973

Pituitary reserve capacity and pituitary responsiveness to LH-RH during the estrus cycle in sheep. Sandow J, et al. Acta Endocrinol [Suppl] (Kbh) 173:84, 1973

Evidence for partial refractoriness of the human pituitary. Schneider HP, et al. Acta Endocrinol [Suppl] (Kbh) 173:86, 1973

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al. Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

A study of the biolical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al. Adv Cyclic Nucleotide Res 1:521-40, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. Adv Cyclic Nucleotide Res 1:503-20, 1972

Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion. Zárate A, et al. Am J Obstet Gynecol 116:1121-3, 15 Aug 73

Cyclic adenosine 3',5'-monophosphate dependent phosphorylation of ribosomal proteins from bovine anterior pituitary gland. Barden N, et al. Biochemistry 12:3096-102, 31 Jul 73

Effect of 1-a-methylallylthiocarbamoyl-2-methylthiocarbamoylhydrazine(methallibure) on the endocrine glands in gilts (hypophysis, thyroid, suprarenal). Bielański A. Bull Acad Pol Sci [Biol] 21:445-7, 1973

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al. Clin Genet 4:91-7, 1973

Pituitary gonadotropins, structure, control and clinical applications. Franchimont P. Clin Sci 44:1P-2P passim, Feb 73

Prolactin, its control and clinical significance. Friesen HG. Clin Sci 44:2P-3P passim, Feb 73

Clinical applications of thyrotrophin-releasing hormone. Hall R. Clin Sci 44:2P passim, Feb 73

Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Peaslee MH, et al. Comp Gen Pharmacol 3:191-4, Jun 72

Pituitary ACTH and GH content associated with the loss of acidophils following thyroidectomy. Yokoyama M. Endocrinol Jap 19:533-41, Dec 72

Effect of synthetic TRF on prolactin release in the sheep. Fell LR, et al. Endocrinology 93:487-91, Aug 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al. Endocrinology 93:903-14, Oct 73

LH release following steroid administration in ovariectomized rats. Legan SJ, et al. Endocrinology 93:781-5, Oct 73

Estrogen-dependent 24-hour periodicity in pituitary LH release in the female hamster. Norman RL, et al. Endocrinology 93:965-70, Oct 73

Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al. Endocrinology 93:767-76, Oct 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. Endocrinology 93:893-902, Oct 73

The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. Endocrinology 93:723-8, Sep 73

Pituitary necrosis induced by intraseliar injections of

LIBRARY U. OF L. URBANA-CHAMPAIGN

xadimethrine-bromide. László FA, et al.
p Pathol (Jena) 6:240-7, 1972
cts of sexual hormones on gonadotrophin secretion prepuberal female rats. Scacchi P, et al.
perientia 29:877-8, 1973
effects of halothane on ovulation in the rat. nitehead S, et al. Experientia 29:880-1, 1973
adotrophin release from human foetal pituitary ltures induced by fragments of the luteinizing rmone-releasing hormone. Groom GV, et al.
BS Lett 33:57-60, 15 Jun 73
RH interaction with the pituitary plasma mbrane. Spona J. FEBS Lett 34:24-6, 1 Aug 73
elationship between adrenergic blockage and the cretory process in cells of the pars intermedia of the g Rana pipiens. Olsson R, et al.
s Comp Endocrinol 21:138-47, Aug 73
role of transcortin in the distribution of rticosterone in the rat. Acs Z, et al.
rm Metab Res 5:279-82, Jul 73
uced plasma thyrotropin response to thyrotropin leasing hormone after dexamethasone ministration in normal subjects. Faglia G, et al.
rm Metab Res 5:289-92, Jul 73
cts of testosterone oenanthate on plasma ncentrations of thyroxine, cortisol, testosterone d hormone binding proteins in patients with pogonadism. Kley HK, et al.
rm Metab Res 5:271-4, Jul 73
uence of median eminence extracts on osynthesis and release of ACTH. Koch B, et al.
rm Metab Res 5:306, Jul 73
olytic activity of rat pituitaries in vitro. Lis M, et al.
rm Metab Res 5:253-8, Jul 73
ct of testosterone on the LH and FSH release duced by LH-releasing factor (LRF) in normal men. ühlen A von zur, et al.
rm Metab Res 5:266-70, Jul 73
cts of thyrotropin-releasing hormone and drocortisone on synthesis and degradation of olactin in a rat pituitary cell strain. Dannies PS, et
J Biol Chem 248:6174-9, 10 Sep 73
ly effects of stilboestrol on growth hormone and olactin secretion and on pituitary mitotic activity in e male rat. Lloyd HM, et al.
Endocrinol 58:227-31, Aug 73
nical applications of the luteinizing rmone-follicle-stimulating releasing hormone. arshall JC, et al. J Endocrinol 58:33-4, Aug 73
ects of melatonin on the synthesis of proteins by the t hypothalamus, hypophysis and pineal organ. Orsi et al. J Endocrinol 58:131-2, Jul 73
alogs of luteinizing hormone-releasing hormone ntaining derivatives of phenylalanine in place of rosine. Coy DH, et al. J Med Chem 16:827-9, Jul 73
e effects of a synthetic preparation of gonadotrophin leasing factor on pituitary and ovarian function in oestrous ewes. Crighton DB, et al.
Physiol (Lond) 231:98P-99P, Jun 73
ects of various secretagogues upon 42K and 22NA ptake during in vitro hormone release from the rat lenohypophysis. Kraicer J, et al.
Physiol (Lond) 232:221-37, Jul 73
uitary follicle-stimulating hormone activity in rats eated with apomorphine, pimozide and drugs that odify catecholamine levels. Choudhury SA, et al.
euroendocrinology 12:272-83, 1973
in vitro assay for corticotropin releasing factor(s) ing suspensions of isolated pituitary cells. ortanova R, et al. Neuroendocrinology 12:236-48, 1973
ibition of the growth reaction of the rat lenohypophysis to oestrogen by an ergoline erivative. Schreiber B, et al.
hysiol Bohemoslov 22:11-7, 1973
prostaglandins stimulate LH release and thereby use luteolysis? Labhsetwar AP.
rostaglandins 3:729-32, May 73
tagonism of prostaglandin-promoted pituitary cyclic MP accumulation and growth hormone secretion in itro by 7-oxa-13-prostynoic acid. Ratner A, et al.
rostaglandins 3:413-9, Apr 73
fects of PGF2 infusion on human cortisol iosynthesis. Wentz AC, et al.
rostaglandins 3:155-72, Feb 73
e susceptibility of the ypothalamic-pituitary-adrenocortical axis to istamine after head x-irradiation. Yamashita K, et al.
okoka J Exp Med 110:161-6, Jun 73
hemistry, pharmacology and administration of -methylthiocarbamoyl-2(1'-methylallyl)thiocarbamoylhydrazine (METHALLIBURUM)] Löw O.
Arch Exp Veterinaermed 26:883-938, Dec 72 (Eng. Abstr.) (Ger)

[Endocrinological and clinical findings following the administration of estriol in small animals] Oettel M, et al.
Arch Exp Veterinaermed 26:1053-60, Dec 72 (Eng. Abstr.) (Ger)

[Endocrinological studies on parabiotic rats with TURISYNCHRON (Metallibur) and TURISYNCHRON-Z. 1. Findings in intact parabionts] Oettel M, et al.
Arch Exp Veterinaermed 26:939-47, Dec 72 (Eng. Abstr.) (Ger)

[Endocrinological studies on parabiontic rats with TURISYNCHRON (Mallibur) and TURISYNCHRON-Z. 2. Effect on total gonadotropic activity of the pituitary of the parabiont] Stölzner W, et al.
Arch Exp Veterinaermed 26:949-55, Dec 72 (Eng. Abstr.) (Ger)

[Examination of the TRH-TSH axis] Escobar del Rey F. Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) (Ger)

[Effect of a cerebral hydrolysate on the central nervous structures with reference to electron microscopic results. Animal experiment study] Sommer H, et al.
Schweiz Arch Neurol Neurochir Psychiatr 112:373-85, 1973 (Ger)

[Regulatory influence of free fatty acids on nocturnal secretion of growth hormone] Lucke C, et al.
Verh Dtsch Ges Inn Med 78:1318-20, 1972 (Ger)

[The effect of long-term prednisone on growth and on the hypothalmic-pituitary-adrenal axis] Drezner Z, et al. Harefuah 85:70-2, 15 Jul 73 (Eng. Abstr.) (Heb)

[Transdifferentiation of the cells of the intermediate lobe of the pituitary] Dedov II.
Izv Akad Nauk SSSR [Biol] 3:421-5, May-Jun 72 (Eng. Abstr.) (Rus)

[Biological activity of synthetic thyrotropin releasing factor] Iudaev NA, et al.
Probl Endokrinol (Mosk) 19:50-2, May-Jun 73 (Eng. Abstr.) (Rus)

[Study, with trichromic methods, of the hypophysis of the normal female guinea pig after the ingestion of clomiphene citrate] Martín Alvarez P.
Acta Obstet Ginecol Hisp Lusit 21:49-63, Mar 73 (Spa)

EMBRYOLOGY

[Experimental study of the factors in cytological differentiation of the adenohypophysis in the chick embryo] Ferrand R.
Arch Biol (Liege) 83:297-371, 1972 (Eng. Abstr.) (Fre)

[Specific cytological characteristics of the pars tuberalis of the pituitary gland and its early differentiation in the rat fetus] Stoeckel ME, et al.
C R Acad Sci [D] (Paris) 277:97-100, 2 Jul 73 (Fre)

ENZYMOLOGY

Regulation of rat pituitary thymidine kinase activity by androgens. Valotaire Y, et al.
Acta Endocrinol (Kbh) 73:612-24, Jul 73

Cyclic adenosine 3',5'-monophosphate dependent phosphorylation of ribosomal proteins from bovine anterior pituitary gland. Barden N, et al.
Biochemistry 12:3096-102, 31 Jul 73

Effects of hormones on development of fetal enzymes. Greengard O.
Clin Pharmacol Ther 14:721-6, Jul-Aug 73

Effects of dietary zinc on zinc enzymes in the rat. Huber AM, et al. J Nutr 103:1175-81, Aug 73

Pituitary peptide. Scott AP, et al.
Nature [New Biol] 244:65-7, 18 Jul 73

GROWTH & DEVELOPMENT

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972

[Ontogeny of the thymo-lymphatic tissue in domestic fowls. 1. Change of the organ weight] Nomura A.
Acta Med (Fukuoka) 42:167-74, Nov 72 (Eng. Abstr.) (Jap)

LIBRARY U. OF L. URBANA-CHAMPAIGN

IMMUNOLOGY

Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. **Fertil Steril 24:618-32, Aug 73**

METABOLISM

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73

Interaction of prostaglandins and LH-RH in vitro. Babej M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:81, 1973**

Isolated pituitary cells: ACTH secretion and synthesis. Lang R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:29, 1973

Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:85, 1973

Pituitary reserve capacity and pituitary responsiveness to LH-RH during the estrus cycle in sheep. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:84, 1973**

Evidence for partial refractoriness of the human pituitary. Schneider HP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:86, 1973

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

A study of the biolcical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al.
Adv Cyclic Nucleotide Res 1:521-40, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972

Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Peaslee MH, et al.
Comp Gen Pharmacol 3:191-4, Jun 72

Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fre)

Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al.
Endocrinology 93:711-7, Sep 73

Gonadotropin levels in lactating rats: effect of ovariectomy. Ford JJ, et al.
Endocrinology 93:540-7, Sep 73

Conversion of progesterone by rat anterior pituitary tissue to 5 alpha-pregnane-3,20-dione and 3 alpha-hydroxy-5 alpha-pregnan-20-one. Robinson JA, et al. **Endocrinology 93:430-5, Aug 73**

Corticosteroidogenesis and its relation to ACTH dependence of mitochondrial components. Ruhmann-Wennhold A, et al.
Endocrinology 93:977-82, Oct 73

Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al.
Endocrinology 93:767-76, Oct 73

LH-RH interaction with the pituitary plasma membrane. Spona J. **FEBS Lett 34:24-6, 1 Aug 73**

Interaction of thyroxine with rat adenohypophysial proteins in vitro. Přibyl T, et al.
Folia Biol (Praha) 19:203-9, 1973

Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al.
Horm Metab Res 5:279-82, Jul 73

Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al.
Horm Metab Res 5:271-4, Jul 73

Influence of median eminence extracts on neosynthesis and release of ACTH. Koch B, et al.
Horm Metab Res 5:306, Jul 73

Lipolytic activity of rat pituitaries in vitro. Lis M, et al.
Horm Metab Res 5:253-8, Jul 73

Effects of thyrotropin-releasing hormone and hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. Dannies P
al. **J Biol Chem 248:6174-9, 10 Sep 73**

Receptors for thyrotropin-releasing hormone
prolactin producing rat pituitary cells in cul
Hinkle PM, et al. **J Biol Chem 248:6180-6, 10 S**

Binding of thyroid hormones to a soluble fraction
porcine anterior pituitary. Sufi SB, et al.
J Endocrinol 58:41-52, Jul 73

Effects of various secretagogues upon 42K and
uptake during in vitro hormone release from th
adenohypophysis. Kraicer J, et al.
J Physiol (Lond) 232:221-37, Jul 73

Induction of intranuclear inclusions by estrog
mammotrophs of the Mongolian gerbil. Nickerso
J Ultrastruct Res 44:41-8, Jul 73

Secretion and uptake of peroxidase by rat
adenohypophyseal cells. Pelletier G.
J Ultrastruct Res 43:445-59, Jun 73

Distribution of radioactive clioquinol in animals.
M, et al. **Lancet 1:1248-9, 2 Jun 73**

Varieties of hypothyroidism. Pittman JA Jr
Med Ann DC 42:435-9, Sep 73

Transport capacity of median eminence. IV. In
thyroxine transport. Silverman AJ, et al.
Neuroendocrinology 12:212-23, 1973

The metabolism of glycerol by hypothalamic
pituitary tissues in vitro in the rat. Goodner CJ,
Proc Soc Exp Biol Med 143:616-22, Jul 7

Do prostaglandins stimulate LH release and th
cause luteolysis? Labhsetwar AP.
Prostaglandins 3:729-32, May 73

[Molecular forms of human growth hormone (
comparison of in vivo forms, purified HGH and
secreted by cultured adenohypophyseal ce
Hartemann P, et al.
C R Soc Biol (Paris) 166:1481-5, 1972

[Stimulation of glucose oxidation and phosph
synthesis in the pituitary gland by TRH] Onay
al. **Clin Endocrinol (Tokyo) 21:619-22, Jun 73**

PATHOLOGY

ACTH determinations before and after sel
removal of pituitary adenomas in Nelson's synd
Espinoza A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:34, 19

Ultrastructural aspects of endocrine activit
"chromophobic" pituitary adenomas. Hachmei
Acta Endocrinol [Suppl] (Kbh) 173:153,

Fine structure of corticotrophic cells and of pi
adenomas in Cushing's syndrome. Saeger
Acta Endocrinol [Suppl] (Kbh) 173:28, 19

Polyostotic fibrous dysplasia associated with C
syndrome. Benjamin DR, et al.
Arch Pathol 96:175-8, Sep 73

Pituitary insufficiency, inappropriate antidi
hormone (ADH) secretion, and carcinoma
bronchus. Epstein S, et al. **Cancer 32:476-81,**

The effect of the mouse X-linked Testic
feminization mutation on the hypothalamus-pi
axis. I. Paradoxical effect of testosterone
pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973

Pituitary necrosis induced by intrasellar inject
hexadimethrine-bromide. László FA, et a
Exp Pathol (Jena) 6:240-7, 1972

Characteristic microscopic differences in t
adenohypophysis of high and low mammary
strains of mice. Keramidas GD, et al.
Pathol Eur 8:35-6, 1973

Granular cell myoblastomas of the pituitary
Kobrine AI, et al. **Surg Neurol 1:275-9,**

[Electron microscope study of "basophil" se
particles in tumoral hypophyseal cells in Cu
disease] Olivier L, et al.
C R Soc Biol (Paris) 166:1591-5, 1972

[The normal and disturbed prepuberal develop
the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng.

PHYSIOLOGY

Evidence for the internal feedback phenom
human subjects: effects of ACTH on plasm
Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73

Non-esterified fatty acids, serum insulin an
glucose after a beta-receptor blocking a
normal, hypophysectomized, diabetic and

pophysectomized-diabetic dogs. Beyer J, et al.
ta Endocrinol [Suppl] (Kbh) 173:123, 1973
uction and maintenance of pregnancy without rise serum prolactin in rats. Doehler KD, et al.
ta Endocrinol [Suppl] (Kbh) 173:45, 1973
nparison of radioimmunoassay and bioassay for man antidiuretic hormone (ADH) in urine. eisenhausen HD, et al.
ta Endocrinol [Suppl] (Kbh) 173:155, 1973
itary reserve capacity and pituitary responsiveness LH-RH during the estrus cycle in sheep. Sandow J, al. Acta Endocrinol [Suppl] (Kbh) 173:84, 1973
functional significance of "episodic" LH secretion. uvatzoglou A, et al.
ta Endocrinol [Suppl] (Kbh) 173:42, 1973
nohypophysial growth and thyroxine binding: fects of steroid hormones. Schreiber V, et al.
ta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972
lic AMP and prostaglandins in hormone action. ehl FA Jr, et al.
v Cyclic Nucleotide Res 1:493-502, 1972
itary-gonadal regulation of copper and zinc tabolism in the female rat. Sato N, et al.
a J Physiol 225:508-12, Aug 73
cts of weaning age and adult handling on avoidance aditioning, open-field behavior, and plasma rticosterone of adult rats. Joffe JM, et al.
hav Biol 9:235-44, Aug 73
lies on the postnatal development of responses of patic histidase to endocrine control. Feigelson M.
ochim Biophys Acta 304:669-85, 28 May 73
phine analgesia, tolerance and physical pendence in the adrenalectomized rat. Wei E.
J Pharmacol 47:693-9, Apr 73
uence of subtracheal fat body depletion on thyroid nction in the desert iguana. Walker RF.
mp Biochem Physiol [A] 44:911-7, 1 Mar 73
cts of ACTH and its synthetic analogues on water ance in rats. Tanaka A, et al.
docrinol Jap 20:39-49, Feb 73
her studies on the luteotropic action of estrogen in a. Uchida K, et al. Endocrinol Jap 20:103-10, Apr 73
amics of insulin release by perfused rat pancreases: ects of hypophysectomy, growth hormone, renocorticotropic hormone, and hydrocortisone. rry DL, et al. Endocrinology 93:602-9, Sep 73
ct of hypophysectomy, castration and androgen placement upon the fertilizing ability of rat didymal spermatozoa. Dyson AL, et al.
docrinology 93:391-402, Aug 73
adotropin levels in lactating rats: effect of ariectomy. Ford JJ, et al.
docrinology 93:540-7, Sep 73
ophysectomy and growth hormone alter the inoacyl-tRNA binding activity of renal cortical ernatant. Girgis GR, et al.
docrinology 93:436-44, Aug 73
stance of rat thyroid iodoprotein to proteolysis lowing large doses of radioiodine. Kobayashi I, et Endocrinology 93:593-601, Sep 73
ltiple ovarian responses to single estrogen ections early in rat estrous cycles: impaired wth, luteotropic stimulation and advanced ulation. Krey LC, et al.
docrinology 93:377-84, Aug 73
of microtubules in basal and stimulated release of wth hormone and prolactin in rat adenohypophysis vitro. Labrie F, et al.
docrinology 93:903-14, Oct 73
effect of androgenic hormones on the reduced otinamide adenine dinucleotide osphate:delta-4-3-ketosteroid 5 ha-oxidoreductase of rat ventral prostate. Moore et al. Endocrinology 93:581-92, Sep 73
enocortical control of catecholamine metabolism in dog adrenal medulla: relationship to protein thesis. Pohorecky LA, et al.
docrinology 93:566-74, Sep 73
ogenous gonadotropin requirements for follicular wth and maintenance in immature rats pretreated h PMS. Sasamoto S, et al.
docrinology 93:292-6, Aug 73
bition of adrenocorticotropic hormone production glucocorticoids in mouse pituitary tumor cells. tanabe H, et al. Endocrinology 93:411-6, Aug 73
ophysial feed-back in the hypothalamic regulation luteinizing hormone secretion. Nallar R, et al.
perientia 29:878-9, 1973
ct of luteinizing hormone on 3',5'-cyclic AMP and tosterone production in isolated interstitial tissue of rat testis. Rommerts FF, et al.
FEBS Lett 33:114-8, 15 Jun 73

Pattern of recruitment of oocytes to second growth phase in normal toads, and in hypophysectomized toads, Bufo bufo bufo (L.), treated with gonadotropin (HCG). Jorgensen CB.
Gen Comp Endocrinol 21:152-9, Aug 73

The pineal complex, melatonin, and color change in the lamprey Lampetra. Joss JM.
Gen Comp Endocrinol 21:188-95, Aug 73

Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al.
Gen Comp Endocrinol 21:148-51, Aug 73

Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al.
Horm Metab Res 5:58-61, Jul 73

The effects of hypophysectomy on the structure and function of rat liver mitochondria. Matsubara T, et al.
J Biochem (Tokyo) 72:1379-90, Dec 72

Regulation of adrenal ornithine decarboxylase by adrenocorticotropic hormone and cyclic AMP. Richman R, et al. J Clin Invest 52:2007-15, Aug 73

Neural mechanisms of pituitary control. Cross BA.
J Endocrinol 58:xxxiixxxii, Aug 73

The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. J Endocrinol 58:177-84, Aug 73

Influence of pregnenolone-16-alpha-carbonitrile on spermatogenesis and on the spermatogenic activity of pregnenolone. Taché Y, et al.
J Endocrinol 58:233-8, Aug 73

Tyrosine-alpha-ketoglutarate aminotransferase activity in rat liver after spinal cord section. Vaptzarova KI, et al. J Neurochem 21:291-300, Aug 73

Anti-edema and analgesic properties of delta9-tetrahydrocannabinol (THC). Sofia RD, et al.
J Pharmacol Exp Ther 186:646-55, Sep 73

Pituitary and ovarian mechanisms in implantation. Bindon BM.
J Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

Neural localization of estrogen-sensitive sites for inhibition of ovulation in the golden hamster Mesocricetus auratus. Lisk RD, et al.
Neuroendocrinology 12:153-60, 1973

Tissue CRF: an extra-hypothalamic corticotrophin releasing factor (CRF) in the peripheral blood of stressed rats. Lymangrover JR, et al.
Neuroendocrinology 12:225-35, 1973

Rearing experience, stress and adrenocorticosteroids in the rhesus monkey. Meyer JS, et al.
Physiol Behav 8:339-43, Feb 72

Rat drinking rhythms: central visual pathways and endocrine factors mediating responsiveness to environmental illumination. Stephan FK, et al.
Physiol Behav 8:315-26, Feb 72

Sexual and hormonal influences on eating, taste preferences, and body weight of hamsters. Zucker I, et al. Physiol Behav 8:101-11, Jan 72

Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73

Lutenizing hormone, follicle stimulating hormone, and growth hormone secretion in normal adult men during sleep and dreaming. Rubin RT, et al.
Psychosom Med 35:309-21, Jul-Aug 73

Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation. Shimizu T, et al. Tohoku J Exp Med 109:155-61, Feb 73

The effect of bee venom on serum corticosterone levels and adrenal mitochondrial cytochrome P-450 in intact and hypophysectomized rats. Alfano JA, et al.
Toxicon 11:101-2, Jan 73

Effect of the bee venom and melittin on plasma cortisol in the unanesthetized monkey. Vick JA, et al.
Toxicon 10:581-6, Oct 72

[Influence of ACTH, metopirone and cortisone on central regulatory centers] Mühlen K aus der, et al.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (Eng. Abstr.) (Ger)

[Endocrinology of normal pregnancy] Lauritzen C.
Med Klin 68:897-905, Jul 73 (Ger)

[Examination of the TRH-TSH axis] Escobar del Rey F.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) (Ger)

[Influence of hypophysectomy on the function and

morphology of the rat small intestine mucosa] Menge H, et al. Verh Dtsch Ges Inn Med 78:1432-4, 1972 (Ger)
[Prolactin and breast cancer] Horn H, et al. Harefuah 85:93-4, 15 Jul 73 (Heb)
[Subunits of human chorionic gonadotropin] Tojo S, et al. Folia Endocrinol Jap 49:599-611, 20 Mar 73 (Eng. Abstr.) (Jap)
[Survival periods of normal and hypophysectomized rats exposed to acute microwave irradiation] Mikolajczyk H. Patol Pol 24:325-31, Apr-Jun 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al. Acta Endocrinol (Kbh) 73:223-32, Jun 73
LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al. Acta Endocrinol [Suppl] (Kbh) 173:89, 1973
The influence of total starvation on the pituitary-thyroid-axis in obese individuals. Rothenbuchner G, et al. Acta Endocrinol [Suppl] (Kbh) 173:144, 1973
Effects of chronic hemodialysis on thyroid function in chronic renal failure. Silverberg DS, et al. Can Med Assoc J 109:282-6, 18 Aug 73
Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. Dev Psychobiol 6:123-9, Mar 73
Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al. Folia Endocrinol (Roma) 25:127-34, Apr 72
Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al. Folia Endocrinol (Roma) 25:143-52, Apr 72
Growth hormone responses to hypoglycaemia and arginine tests in hyperthyroid and hypothyroid patients. Neri V, et al. Folia Endocrinol (Roma) 26:102-9, Apr 73
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al. J Clin Invest 52:2617-28, Oct 73
[Physiologic role of hypophysis in the production of erythropoietin in acute hypoxia] Peschle C, et al. Folia Endocrinol (Roma) 25:486-94, Dec 72 (Eng. Abstr.) (Ita)
[State of the neuro-humoral regulation in peptic ulcer] Klykov NV, et al. Ter Arkh 45:57-61, Apr 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al. Tohoku J Exp Med 110:161-6, Jun 73
[Treatment of diabetic nephropathy] Bączyk K. Przegl Lek 30:458-60, 1973 (Pol)

SECRETION

Ultrastructural aspects of endocrine activity in "chromophobic" pituitary adenomas. Hachmeister U. Acta Endocrinol [Suppl] (Kbh) 173:153, 1973
Clinical evaluation of L-dopa as a stimulant of STH secretion in normal and obese persons and in patietns with acromegaly. Lucke C, et al. Acta Endocrinol [Suppl] (Kbh) 173:103, 1973
The release of TSH from organ cultures of human fetal pituitary glands. Mühlen A von zur, et al. Acta Endocrinol [Suppl] (Kbh) 173:13, 1973
Modification of basal and arginine-induced growth hormone secretion by concomitant fat administration. Raptis S, et al. Acta Endocrinol [Suppl] (Kbh) 173:97, 1973
A study of the biolocal activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al. Adv Cyclic Nucleotide Res 1:521-40, 1972
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. Adv Cyclic Nucleotide Res 1:503-20, 1972
The clinical endocrinology of prolactin. Turkington RW. Adv Intern Med 18:363-87, 1972 (97 ref.)
Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in matu female rats. Maeda HR, et al. Endocrinol Jap 19:525-32, Dec 72
Changes in FSH, LH and prolactin secretion duri estrous cycle in rats. Taya K, et al. Endocrinol Jap 20:199-205, Apr 73
Synthesis and release of prolactin in vitro from t anterior pituitary of mouse during estrous cyc Yanai R, et al. Endocrinol Jap 20:73-5, Feb
Pituitary ACTH and GH content associated with t loss of acidophils following thyroidectomy. Yokoya M. Endocrinol Jap 19:533-41, Dec 72
Superfusion of hemipituitaries with portal blood. LRF secretion in castrated and diestrous ra Ben-Jonathan N, et al. Endocrinology 93:497-503, Aug 73
Effects of preoptic electrical stimulation on pituit LH release following interruption of components the preoptico-tuberal pathway in rats. Cramer OM, al. Endocrinology 93:369-76, Aug 73
Effect of synthetic TRF on prolactin release in sheep. Fell LR, et al. Endocrinology 93:487-91, Aug
Estrogen-dependent 24-hour periodicity in pituit LH release in the female hamster. Norman RL, et Endocrinology 93:965-70, Oct 73
Effect of sex steroids on pituitary responses to LH- FSH-releasing hormone in vitro. Schally AV, et Endocrinology 93:893-902, Oct 73
Effects of 2-BR-alpha-ergokryptine (CB 154) sex-linked rejection of pituitary isografts in fem C57BL mice. Hoshino K. Experientia 29:882-4, 1
Hypophysial feed-back in the hypothalamic regulat of luteinizing hormone secretion. Nallar R, et Experientia 29:878-9, 1973
Effects of sexual hormones on gonadotrophin secret in prepuberal female rats. Scacchi P, et a Experientia 29:877-8, 1973
Gonadotrophin release from human foetal pituit cultures induced by fragments of the luteini hormone-releasing hormone. Groom GV, et FEBS Lett 33:57-60, 15 Jun 73
Pituitary-gonadal rhythms in the eugonadal adult m Wieland RG, et al. Fertil Steril 24:644-7, Aug
A relationship between adrenergic blockage and secretory process in cells of the pars intermedia of frog Rana pipiens. Olsson R, et al. Gen Comp Endocrinol 21:138-47, Aug 73
Effect of testosterone on the LH and FSH rel induced by LH-releasing factor (LRF) in normal Mühlen A von zur, et al. Horm Metab Res 5:266-70, Jul 73
Episodic luteinizing hormone secretion in man. P analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al. J Clin Invest 52:2617-28, Oct 73
The effect of adrenalectomy on blood corticotroph the rat. Buckingham JC, et al. J Endocrinol 58:8, J
Neural mechanisms of pituitary control. Cross J Endocrinol 58:xxxiixxii, Aug 73
Early effects of stilboestrol on growth hormone prolactin secretion and on pituitary mitotic activi the male rat. Lloyd HM, et al. J Endocrinol 58:227-31, Aug 73
Effects of adrenalectomy and-or deficiency of pitu prolactin secretion on initiation and maintenan lactation in mice. Nagasawa H, et al. J Endocrinol 58:67-73, Jul 73
The control of melanocyte-stimulating hormo secretion. Thody AJ, et al. J Endocrinol 58:xxxvxxxvi, Aug 73
Analogs of luteinizing hormone-releasing hor containing derivatives of phenylalanine in pla tyrosine. Coy DH, et al. J Med Chem 16:827-9, J
Plasma growth hormone and insulin respons levodopa and amantadine. Kytömäki O, et J Neural Transm 34:145-51, 1973
Secretion and uptake of peroxidase by rat adenohypophyseal cells. Pelletier G. J Ultrastruct Res 43:445-59, Jun 73
Hypersecretion of growth hormone in an acrom of 25 years' duration. Teo SK, et al. Med J Malaysia 27:220-2, Mar 73
An in vitro assay for corticotropin releasing fact using suspensions of isolated pituitary cel Portanova R, et al. Neuroendocrinology 12:236-48
Isolated pituitary cells: CRF-like activity o neurohypophysial and related polypeptides. Portanova R, et al. Proc Soc Exp Biol Med 143:661-6, Jul 73
Effects of PGF2 infusion on human cortis

LIBRARY U. OF I., URBANA-CHAMPAIGN

osynthesis. Wentz AC, et al.
rostaglandins 3:155-72, Feb 73
rastructural observations of gonadotrophin release
rats treated neonatally with testosterone. Shiino M,
al. Tex Rep Biol Med 31:215-28, Summer 73
e structure of the adenohypophysis in immature
ckeye salmon, Oncorhynchus nerka. McKeown BA,
al. Z Zellforsch Mikrosk Anat 140:459-71, 16 Jul 73
lecular forms of human growth hormone (HGH):
mparison of in vivo forms, purified HGH and HGH
creted by cultured adenohypophyseal cells]
rtemann P, et al.
R Soc Biol (Paris) 166:1481-5, 1972 (Fre)
lation between the exophthalmos-producing factor
d the thyroid factor from the anterior hypophyseal
e] Poonawalla NH, et al.
e Ophthalmol 35:297-307, 27 Jul 73 (Ger)
nificance of basal blood somatotropin in man
ring normal and pathological states] Giordano G, et

h E Maragliano Patol Clin 28:73-99, Jan-Jun 72
ng. Abstr.) (Ita)
nsplantation of the hypophysis] Kazachenok VM.
bl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119
.) (Rus)
dy, with trichromic methods, of the hypophysis of
normal female guinea pig after the ingestion of
miphene citrate] Martín Alvarez P.
a Obstet Ginecol Hisp Lusit 21:49-63, Mar 73 (Spa)
othalamus hormone] Aberg B.
n Tandlak Tidskr 66:315-7, May 73 (Swe)

SURGERY

eties of hypothyroidism. Pittman JA Jr.
l Ann DC 42:435-9, Sep 73
atment of diabetic nephropathy] Bączyk K.
egl Lek 30:458-60, 1973 (Pol)

TRANSPLANTATION

cts of 2-BR-alpha-ergokryptine (CB 154) on
-linked rejection of pituitary isografts in female
BL mice. Hoshino K. Experientia 29:882-4, 1973
developmental endocrinology of the spleen in
cken embryos. II. The pars distalis and
nomegaly. Goldberg RB, et al.
mbryol Exp Morphol 29:245-51, Feb 73
he pars distalis hormone activities involved in
en development in chicken embryos. Hart DE, et
J Embryol Exp Morphol 29:239-44, Feb 73
ocrinological studies on parabiontic rats with
RISYNCHRON (Mallibur) and
RISYNCHRON-Z. 2. Effect on total gonadotropic
vity of the pituitary of the parabiont] Stölzner W,
al.
n Exp Veterinaermed 26:949-55, Dec 72 (Eng.
tr.) (Ger)
splantation of the hypophysis] Kazachenok VM.
l Endokrinol (Mosk) 19:112-6, May-Jun 73 (119
) (Rus)

UITARY GLAND FUNCTION
STS

ary and gonadal function in hypogonadotrophic
gonadism. Espiner EA, et al.
Endocrinol (Kbh) 73:209-21, Jun 73
pplication of synthetic LRF and TRF in a
ined function test in patients with pituitary
rs. Mühlen A von zur, et al.
Endocrinol [Suppl] (Kbh) 173:94, 1973
linical endocrinology of prolactin. Turkington
Adv Intern Med 18:363-87, 1972 (97 ref.)
of posttraumatic hypopituitarism. Kanayama Y,
l. Endocrinol Jap 19:517-23, Dec 72
itive administration of thyrotropin-releasing
one results in small elevations of serum thyroid
ones and in marked inhibition of thyrotropin
nse. Snyder PJ, et al.
n Invest 52:2305-12, Sep 73
rophin releasing hormone and thyroid function.
R. J Endocrinol 58:xxxv, Aug 73
ry tumors in women. Downing TA, et al.
t Gynecol 42:182-5, Aug 73
ary reactivity to thyrotropin releasing hormone
) in patients with hyperthyroidism considered
inically cured] Beckers C, et al.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)
[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)
[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 (Fre)
[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al.
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)
[Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martín JA.
Rev Iber Endocrinol 20:269-87, May-Jun 73 (Eng. Abstr.) (Spa)

STANDARDS

[Study of antehypophyseal function integrity with nicotine stimulation test] Legros JJ, et al.
Ann Endocrinol (Paris) 33:635-8, Nov-Dec 72 (Eng. Abstr.) (Fre)

PITUITARY GLAND IRRADIATION

Cushing's disease treated by pituitary implant. Burke CW, et al. Clin Sci 44:5P passim, Feb 73
[A study of radiation hypophysectomy for prostatic cancer. 3. The clinical effect] Katayama T, et al.
Jap J Urol 64:231-7, Mar 73 (Eng. Abstr.) (Jap)
[A case of acromegaly with secondary amenorrhea and anemia] Dimov I.
Stud Cercet Endocrinol 24:317-9, 1973 (Rum)

ADVERSE EFFECTS

[A study of radiation hypophysectomy for prostatic cancer. 3. The clinical effect] Katayama T, et al.
Jap J Urol 64:231-7, Mar 73 (Eng. Abstr.) (Jap)

PITUITARY GLAND, POSTERIOR

[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

ANALYSIS

Subcellular organization of neurophysins, oxytocin, (8-lysine)-vasopressin and adenosine triphosphatase in porcine posterior pituitary lobes. Pickup JC, et al.
Biochem J 132:361-71, Mar 73
Separation of granules containing melanophore stimulating hormone from frog (Rana catesbeiana) pars intermedia. Kikuyama S, et al.
Endocrinol Jap 19:549-55, Dec 72
Subcellular distribution of 32P-labelled phospholipids in the neural lobe of the rat. Bridges TE, et al.
J Endocrinol 58:xiv, Jul 73
Neurohypophysial hormones and evolution of tetrapods. Acher A, et al.
Nature [New Biol] 244:124-6, 25 Jul 73

CYTOLOGY

Subcellular organization of neurophysins, oxytocin, (8-lysine)-vasopressin and adenosine triphosphatase in porcine posterior pituitary lobes. Pickup JC, et al.
Biochem J 132:361-71, Mar 73
Incorporation of 32P into phospholipids of the hypothalamo-neuro-hypophysial system and subcellular distribution of labelled phospholipids in the rat neural lobe. Bridges TE, et al.
J Endocrinol 58:327-39, Aug 73

DRUG EFFECTS

Synthesis and some of the pharmacological properties of (4-leucine)-8-lysine-vasopressin and

(1-deamino,4-leucine)-8-lysine-vasopressin. Dyckes DF, et al. **J Med Chem** 16:843-7, Jul 73

Effects on the isolated neurohypophysis of agents which affect the membrane permeability to calcium. Dreifuss JJ, et al. **J Physiol (Lond)** 231:96P-98P, Jun 73

ENZYMOLOGY

Purification and properties of protein methylase II. Kim S. **Arch Biochem Biophys** 152:476-84, Aug 73

Subcellular organization of neurophysins, oxytocin, (8-lysine)-vasopressin and adenosine triphosphatase in porcine posterior pituitary lobes. Pickup JC, et al. **Biochem J** 132:361-71, Mar 73

METABOLISM

Incorporation of 32P into phospholipids of the hypothalamo-neuro-hypophysial system and subcellular distribution of labelled phospholipids in the rat neural lobe. Bridges TE, et al. **J Endocrinol** 58:327-39, Aug 73

Neurophysins. **Med J Aust** 2:3-4, 7 Jul 73

Transport capacity of median eminence. IV. In vivo thyroxine transport. Silverman AJ, et al. **Neuroendocrinology** 12:212-23, 1973

Biogenic monoamines in the cyclostome and lower vertebrate brain. Baumgarten HG. **Prog Histochem Cytochem** 4:1-90, 1972 (122 ref.)

PHYSIOLOGY

Inhibition and excitation of units in paraventricular nucleus after stimulation of the septum, amygdala and neurohypophysis. Negoro H, et al. **Brain Res** 57:479-83, 27 Jul 73

Urinary antidiuretic hormone excretion during the menstrual cycle and pregnancy in the monkey. Miller M, et al. **Neuroendocrinology** 12:174-8, 1973

SECRETION

Influence of sleep-waking and nociceptor-induced behavior on the activity of supraoptic neurons in the hypothalamus of the monkey. Hayward JN, et al. **Brain Res** 57:461-6, 27 Jul 73

Effects on the isolated neurohypophysis of agents which affect the membrane permeability to calcium. Dreifuss JJ, et al. **J Physiol (Lond)** 231:96P-98P, Jun 73

LIBRARY U. OF I. URBANA-CHAMPAIGN

PITUITARY

I. Disorders of the Pituitary Gland

CROMEGALY

onsiderations apropos of 7 cases of cerebral igantism (Sotos' syndrome)] Zappella M, et al. ediatrie 28:419-28, Jun 73 (Fre)

BLOOD

e effect of chlorpromazine on plasma growth ormone levels in acromegaly. Heesen D, et al. cta Endocrinol [Suppl] (Kbh) 173:102, 1973
antitative determination of somatomedin in human erum (35S uptake by embryonic chick cartilage). chimpff RM, et al.
iomedicine [Express] 19:142-7, 10 Apr 73
e immunoassay of thyroid-stimulating hormone and s clinical applications. Hall R.
lin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
vations in plasma growth hormone concentration fter luteinizing hormone-releasing hormone (LRH) patients with active acromegaly. Faglia G, et al.
Clin Endocrinol Metab 37:338-40, Aug 73
ppressibility of plasma growth hormone levels in cromegaly with dexamethasone and phentolamine. akagawa K, et al.
Clin Endocrinol Metab 37:238-46, Aug 73
asurement of inorganic pyrophosphate in biological uids. Elevated levels in some patients with teoarthritis, pseudogout, acromegaly, and uremia. lcox DC, et al. J Clin Invest 52:1863-70, Aug 73
tion of growth-hormone-release inhibitory hormone healthy men and in acromegaly. Hall R, et al.
ancet 2:581-4, 15 Sep 73
persecretion of growth hormone in an acromegalic 25 years' duration. Teo SK, et al.
ed J Malaysia 27:220-2, Mar 73
romegaly: assessment and selection for treatment. azarus L. Proc Aust Assoc Neurol 9:195-7, 1973
cromegaly. II. Results of surgical treatment of romegaly evaluated by determination of matotrophic hormone] Marek J, et al.
s Lek Cesk 112:778-82, 1973 (Eng. Abstr.) (Cze)
romegaly. 3. Significance of the dynamic study of matotropin] Marek J, et al.
s Lek Cesk 112:849-53, 1973 (Eng. Abstr.) (Cze)
actical value of radioimmunoassay of pituitary yreotropic hormone] Chaussain JL, et al.
n Endocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. bstr.) (Fre)
gnificance of basal blood somatotropin in man uring normal and pathological states] Giordano G, et

eh E Maragliano Patol Clin 28:73-99, Jan-Jun 72
ng. Abstr.) (Ita)
dioimmunoassay of human growth hormone by sorption to talc] Endo M.
lia Endocrinol Jap 49:1001-10, 20 Jul 73 (Eng. bstr.) (Jap)

COMPLICATIONS

utism: a review of the genetic and experimental pects. Muller SA.
Invest Dermatol 60:457-74, Jun 73 (150 ref.)
ical features of acromegaly and response to yohypophysectomy. Hofeldt FD, et al.
cky Mt Med J 70:21-4, Aug 73
ndogout. Rubinstein HM, et al.
mia Arthritis Rheum 2:259-80, 1972-73 (85 ref.)
romegaly. IV. Changes in glycide metabolism] arek J, et al.
s Lek Cesk 112:959-63, 10 Aug 73 (Eng. Abstr.) (Cze)
omaly of growth hormone secretion and mental isorders] Takahashi K.
n Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) (Jap)
nical study of TRF test. 6. Hypothalamic pothyroidism] Sakoda M, et al.
lia Endocrinol Jap 49:750-60, 20 May 73 (Eng. str.) (Jap)
[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al. Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)
[Autopsy case of acromegaly with fatal subarachnoid hemorrhage] Nakabayashi H, et al.
Jap J Clin Med 31:2095-104, Jun 73 (Jap)
[A case of acromegaly with secondary amenorrhea and anemia] Dimov I.
Stud Cercet Endocrinol 24:317-9, 1973 (Rum)
[Acromegaly, adrenal cortex hyperfunction and galactorrhea (report of a case)] Gómez Vargas E, et al. Rev Invest Clin 25:181-7, Apr-Jun 73 (Eng. Abstr.) (Spa)

DIAGNOSIS

The effect of chlorpromazine on plasma growth hormone levels in acromegaly. Heesen D, et al. Acta Endocrinol [Suppl] (Kbh) 173:102, 1973
The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73
Hypersecretion of growth hormone in an acromegalic of 25 years' duration. Teo SK, et al.
Med J Malaysia 27:220-2, Mar 73
Acromegaly: assessment and selection for treatment. Lazarus L. Proc Aust Assoc Neurol 9:195-7, 1973
[Acromegaly. 3. Significance of the dynamic study of somatotropin] Marek J, et al.
Cas Lek Cesk 112:849-53, 1973 (Eng. Abstr.) (Cze)
[Unilateral enchondromatosis with multiple lymphangiokeratomas. Nosology of Maffucci's syndrome] Raff M, et al.
Hautarzt 24:309-13, Jul 73 (Ger)
[Attacks of recurrent ventricular tachycardia in a young subject with cardiomegaly, initiated after poisoning with anticryptogamic agents. Acromegalic manifestations. Chronic myopathy of undetermined nature] Chini V.
Minerva Med 64:1965-85, 25 May 73 (Ita)
[Sotos' syndrome (cerebral gigantism)--case report] La Cauza C, et al.
Minerva Pediatr 25:791-804, 19 May 73 (Eng. Abstr.) (Ita)

ETIOLOGY

Pituitary tumors in women. Downing TA, et al. Obstet Gynecol 42:182-5, Aug 73
[A case of post-traumatic acromegaly] Morsier G de. Ann Med Interne (Paris) 123:1025-8, Dec 72 (Eng. Abstr.) (Fre)
[Orthopedic paraneoplastic syndromes] Michelacci M. G Clin Med 54:78-83, Feb 73 (Eng. Abstr.) (Ita)
[Attacks of recurrent ventricular tachycardia in a young subject with cardiomegaly, initiated after poisoning with anticryptogamic agents. Acromegalic manifestations. Chronic myopathy of undetermined nature] Chini V.
Minerva Med 64:1965-85, 25 May 73 (Ita)

METABOLISM

The effect of chlorpromazine on plasma growth hormone levels in acromegaly. Heesen D, et al. Acta Endocrinol [Suppl] (Kbh) 173:102, 1973
Clinical evaluation of L-dopa as a stimulant of STH secretion in normal and obese persons and in patietns with acromegaly. Lucke C, et al.
Acta Endocrinol [Suppl] (Kbh) 173:103, 1973
Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al. Lancet 2:581-4, 15 Sep 73
The renin-aldosterone system in acromegaly: follow-up report. Strauch G, et al. N Engl J Med 289:808, 11 Oct 73

[Acromegaly. IV. Changes in glycide metabolism] Marek J, et al.
Cas Lek Cesk 112:959-63, 10 Aug 73 (Eng. Abstr.) (Cze)
[Secretion dynamics of GH in 43 patients with acromegaly] Liuzzi A, et al.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (Eng. Abstr.) (Ita)

PATHOLOGY

Histomorphometric investigation of cancellous bone in acromegaly. Delling G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:101, 1973
Pathological changes in skeletal muscle in acromegaly. Mastaglia FL. Acta Neuropathol (Berl) 24:273-86, 1973
[Autopsy case of acromegaly with fatal subarachnoid hemorrhage] Nakabayashi H, et al.
Jap J Clin Med 31:2095-104, Jun 73 (Jap)

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
The pharmacological control of growth hormone release. Studies on the action of L-dopa and chlorpromazine in normal subjects and patients with Parkinsonism, acromegaly and delayed onset of puberty. Singh P, et al. J Endocrinol 58:xii, Jul 73
[Secretion dynamics of GH in 43 patients with acromegaly] Liuzzi A, et al.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (Eng. Abstr.) (Ita)
[Secretion of insulin during the first phases of diabetes. Summary of the experiments of the authors] Serrano-Rios M, et al.
Minerva Med 64:2168-78, 2 Jun 73 (Ita)
[State of the hepatobiliary system in acromegaly] Mirkhodzhaev AKh.
Probl Endokrinol (Mosk) 19:26-8, May-Jun 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Acromegaly: assessment and selection for treatment. Lazarus L. Proc Aust Assoc Neurol 9:195-7, 1973
[The "empty sella"--a problem in differential diagnosis] Peeters FL.
Fortschr Geb Roentgenstr Nuklearmed 118:624-30, Jun 73 (Eng. Abstr.) (Ger)
[Attacks of recurrent ventricular tachycardia in a young subject with cardiomegaly, initiated after poisoning with anticryptogamic agents. Acromegalic manifestations. Chronic myopathy of undetermined nature] Chini V.
Minerva Med 64:1965-85, 25 May 73 (Ita)

SURGERY

Acromegaly: assessment and selection for treatment. Lazarus L. Proc Aust Assoc Neurol 9:195-7, 1973
Clinical features of acromegaly and response to cryohypophysectomy. Hofeldt FD, et al.
Rocky Mt Med J 70:21-4, Aug 73
[Acromegaly. II. Results of surgical treatment of acromegaly evaluated by determination of somatotrophic hormone] Marek J, et al.
Cas Lek Cesk 112:778-82, 1973 (Eng. Abstr.) (Cze)
[Hormonal status following hypophysectomy] Weisbecker L, et al.
Verh Dtsch Ges Inn Med 78:1525-9, 1972 (Ger)

THERAPY

Histomorphometric investigation of cancellous bone in acromegaly. Delling G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:101, 1973

ADENOMA, BASOPHILIC

SURGERY

Trans-sphenoidal surgery for pituitary lesions. Chadduck WM, et al. W Va Med J 69:197-9, Aug 73

ADENOMA, CHROMOPHOBE

BLOOD

Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LR
in patients with active acromegaly. Faglia G, et
J Clin Endocrinol Metab 37:338-40, Aug 73
Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevat
basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et
J Clin Endocrinol Metab 37:190-6, Aug 73

CHEMICALLY INDUCED

Effects of the antifertility drug enovid in five strains
mice, with particular regard to carcinogenesis. Hes
WE, et al. J Natl Cancer Inst 51:209-24, Jul

COMPLICATIONS

Delayed diagnosis of chiasmal compression. Pruett
et al. Am J Ophthalmol 76:229-36, Aug 73
[Hyperthyreosis caused by a TSH-producing chromophobe hypophyseal adenoma] Hrubesch M
al. Verh Dtsch Ges Inn Med 78:1529-32, 1972 (G
[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al.
Folia Endocrinol Jap 49:750-60, 20 May 73 (E
Abstr.) (J
[Clinical study of TRF test. 7. TRF test respons
hypothalamic pituitary disorders] Sakoda M, et
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abs
[J
[Case of Maffucci's syndrome] Jingu K, et
Jap J Clin Radiol 18:281-6, Apr 73 (J

DIAGNOSIS

The application of synthetic LRF and TRF
combined function test in patients with pitui
tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
TRF test in patients with hypothalamic-pitui
disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73
Unusual lesions involving the sella turcica. Chad
WM. South Med J 66:948-55, Aug 73

DRUG THERAPY

[Influence of testosterone and other anabolic ste
on the recurrence rate of surgically treated ant
pituitary adenomas] Roos D, et al.
Verh Dtsch Ges Inn Med 78:172-5, 1972 (

METABOLISM

Effect of synthetic thyrotrophin-releasing facto
pituitary TSH secretion in normal subjects
patients with hypothalamic-pituitary disorde
Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
Ultrastructural aspects of endocrine activity
"chromophobic" pituitary adenomas. Hachmeist
Acta Endocrinol [Suppl] (Kbh) 173:153, 19
[Hyperthyreosis caused by a TSH-producing chromophobe hypophyseal adenoma] Hrubesch
al. Verh Dtsch Ges Inn Med 78:1529-32, 1972 (

PATHOLOGY

Ultrastructural aspects of endocrine activity
"chromophobic" pituitary adenomas. Hachmeist
Acta Endocrinol [Suppl] (Kbh) 173:153, 19

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in pa
with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73

RADIOGRAPHY

Pneumographic demonstration of suprasellar tu
Robertson EG. Proc Aust Assoc Neurol 9:205-1

SURGERY

Convulsions following operations for pituit
adenoma. Taxay EP. Surg Neurol 1:245,
Trans-sphenoidal surgery for pituitary lesio
Chadduck WM, et al. W Va Med J 69:197-9,
[Influence of testosterone and other anabolic st

LIBRARY U. OF L. URBANA-CHAMPAIGN

the recurrence rate of surgically treated anterior
itary adenomas] Roos D, et al.
h Dtsch Ges Inn Med 78:172-5, 1972 (Ger)

ENOMA, EOSINOPHILIC

COMPLICATIONS

tary apoplexy in a child. Case report. Sakalas R, et
J Neurosurg 39:519-22, Oct 73

RADIOGRAPHY

tary apoplexy in a child. Case report. Sakalas R, et
J Neurosurg 39:519-22, Oct 73

RADIOTHERAPY

tary apoplexy in a child. Case report. Sakalas R, et
J Neurosurg 39:519-22, Oct 73

SURGERY

tary apoplexy in a child. Case report. Sakalas R, et
J Neurosurg 39:519-22, Oct 73

ARI-FROMMEL SYNDROME

URINE

t of cyclophenyl and clomiphene on excretion of
ary LH. Ishizuka N, et al.
ocrinol Jap 20:51-7, Feb 73

NIOPHARYNGIOMA

opharyngioma in adults. Banna M.
Neurol 1:202-4, Jul 73
npts to propagate human tumor explants in mice
ulated with human thymus antiserum. Anigstein
t al. Tex Rep Biol Med 31:177-88, Summer 73

BLOOD

thyrotropin (TSH) in pituitary and-or
thalamic hypothyroidism: normal or elevated
levels and paradoxical responses to
otropin-releasing hormone. Patel YC, et al.
in Endocrinol Metab 37:190-6, Aug 73

COMPLICATIONS

ed diagnosis of chiasmal compression. Pruett RC,
l. Am J Ophthalmol 76:229-36, Aug 73
opharyngioma with optic canal enlargement
lating glioma of the optic chiasm. Case report.
t MA, et al. J Neurosurg 39:523-7, Oct 73
opharyngioma in adults. Banna M.
Neurol 1:202-4, Jul 73
ocious puberty and tumors of the 3rd ventricle]
e J, et al.
l Actuels Endocrinol Nutr 16:201-48, 3 May 73
(Fre)
al study of TRF test. 6. Hypothalamic
thyroidism] Sakoda M, et al.
Endocrinol Jap 49:750-60, 20 May 73 (Eng.
r.) (Jap)
al study of TRF test. 7. TRF test response in
thalamic pituitary disorders] Sakoda M, et al.
Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.)
(Jap)
tumors as a cause of epileptic attacks in
ren] Majewska Z.
atr Pol 48:727-30, Jun 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

pplication of synthetic LRF and TRF in a
ined function test in patients with pituitary
rs. Mühlen A von zur, et al.
Endocrinol [Suppl] (Kbh) 173:94, 1973
est in patients with hypothalamic-pituitary
ders. Otsuki M, et al.
crinol Jap 20:149-55, Apr 73
al lesions involving the sella turcica. Chadduck
South Med J 66:948-55, Aug 73
osis of brain tumors. Accuracy of ambulatory
ole supplemental studies] Hopman H, et al.
h Med Wochenschr 115:1119-24, 15 Jun 73 (Eng.
r.) (Ger)

METABOLISM

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73

OCCURRENCE

Tumours of the central nervous system in Zambia. Chuke PO, et al. Afr J Med Sci 4:107-10, Apr 73
Intracranial tumors in India: incidence and variations. Ramamurthi B. Int Surg 58:542-7, Aug 73
Intracranial neoplasms in Malaysia. Selby R, et al. Int Surg 58:536-41, Aug 73
Incidence and behavior pattern of intracranial tumors in Ceylon. Weinman DF. Int Surg 58:548-54, Aug 73
Incidence of tumors in the nervous system in Hong Kong. Wen HL, et al. Int Surg 58:555-6, Aug 73
Craniopharyngioma in adults. Banna M.
Surg Neurol 1:202-4, Jul 73
[Expanding intracranial processes among the Negroes of Senegal] Collomb H, et al.
J Neurol Sci 19:437-52, Aug 73 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73

RADIOGRAPHY

Craniopharyngioma with optic canal enlargement simulating glioma of the optic chiasm. Case report. Block MA, et al. J Neurosurg 39:523-7, Oct 73
Radiology of the pituitary. Bull J.
Proc Aust Assoc Neurol 9:199-204, 1973
Pneumographic demonstration of suprasellar tumours. Robertson EG. Proc Aust Assoc Neurol 9:205-12, 1973
Craniopharyngioma in adults. Banna M.
Surg Neurol 1:202-4, Jul 73
Computerized axial tomography of the head: the EMI-scanner, a new device for direct examination of the brain "in vivo". Special article. Ommaya AK.
Surg Neurol 1:217-22, Jul 73
[Diagnostic evaluation of the cavernous sinus branch in pituitary tumor] Kowada M, et al.
Jap J Clin Radiol 48:547-51, Aug 73 (Jap)

SURGERY

Craniopharyngioma with optic canal enlargement simulating glioma of the optic chiasm. Case report. Block MA, et al. J Neurosurg 39:523-7, Oct 73
Craniopharyngioma in a 25 year old Nigerian woman; a case study. Adedugbe AA.
Niger Nurse 5:14-8, Jan-Mar 73

DIABETES INSIPIDUS

A case of abnormal thirst. Br Med J 3:214-9, 28 Jul 73
[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

BLOOD

The measurement of arginine vasopressin in human plasma by radioimmunoassay. Morton JJ.
Clin Sci 45:5P, Jul 73
Development and clinical application of a new method for the radioimmunoassay of arginine vasopressin in human plasma. Robertson GL, et al.
J Clin Invest 52:2340-52, Sep 73

CHEMICALLY INDUCED

Lithium-induced diabetes insipidus: manic symptoms, brain and electrolyte correlates, and chlorothiazide treatment. Levy ST, et al.
Am J Psychiatry 130:1014-8, Sep 73
Vasopressin-resistant diabetes insipidus associated with short-term demethylchlortetracycline (declomycin) therapy. Maxon HR 3d, et al.
Milit Med 138:500-1, Aug 73
[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) (Ger)

LIBRARY U. OF I. URBANA-CHAMPAIGN

COMPLICATIONS

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73

[Association of diabetes mellitus, polyuria and polydipsia and sensory disturbances. Apropos of 2 cases, 1 of them familial] Goddon LONGIN B, et al. **Pediatrie** 28:429-45, Jun 73 (Fre)

[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al. **Folia Endocrinol Jap** 49:750-60, 20 May 73 (Eng. Abstr.) (Jap)

DIAGNOSIS

TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al. **Endocrinol Jap** 20:149-55, Apr 73

Nephrogenic diabetes insipidus in a dog. Lage AL. **J Am Vet Med Assoc** 163:251-3, 1 Aug 73

DRUG THERAPY

Long-term ADH-treatment of rats with genetic diabetes insipidus. Oster P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:154, 1973

Lithium-induced diabetes insipidus: manic symptoms, brain and electrolyte correlates, and chlorothiazide treatment. Levy ST, et al. **Am J Psychiatry** 130:1014-8, Sep 73

Vasopressin analogue DDAVP in diabetes insipidus: clinical and laboratory studies. Edwards CR, et al. **Br Med J** 3:375-8, 18 Aug 73

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73

Clinical use of additive antidiuretic action of carbamazepine and chlorpropamide. Radó JP. **Horm Metab Res** 5:309, Jul 73

Nephrogenic diabetes insipidus in a dog. Lage AL. **J Am Vet Med Assoc** 163:251-3, 1 Aug 73

Phenmetrazine in diabetes insipidus. Aloia JF. **Lancet** 2:501-2, 1 Sep 73

Antidiuretic action of chlorpropamide. Batuman V. **Lancet** 2:684, 22 Sep 73

Vasopressin-resistant diabetes insipidus associated with short-term demethylchlortetracycline (declomycin) therapy. Maxon HR 3d, et al. **Milit Med** 138:500-1, Aug 73

[Antidiuretic effect of clofibrate Spofa in diabetes insipidus] Blahoš J, et al. **Cas Lek Cesk** 112:181-3, Feb 73 (Eng. Abstr.) (Cze)

[Diabetes insipidus treated with carbamezapine] Mortensen E, et al. **Ugeskr Laeger** 135:704-5, 26 Mar 73 (Eng. Abstr.) (Dan)

[Value of clofibrate in the treatment of diabetes insipidus] Basso L, et al. **Arch E Maragliano Patol Clin** 28:125-31, Jan-Jun 72 (Eng. Abstr.) (Ita)

ETIOLOGY

Azotemia and nephrogenic diabetes insipidus after arteriography. Kovnat PJ, et al. **Radiology** 108:541-2, Sep 73

FAMILIAL & GENETIC

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73

Subcellular distribution of neurophysin in rats subjected to haemorrhage, salt-loading and lactation and in rats with hereditary diabetes insipidus (Brattleboro strain). Norström A. **Z Zellforsch Mikrosk Anat** 140:413-24, 1973

PHYSIOPATHOLOGY

Subcellular distribution of neurophysin in rats subjected to haemorrhage, salt-loading and lactation and in rats with hereditary diabetes insipidus (Brattleboro strain). Norström A. **Z Zellforsch Mikrosk Anat** 140:413-24, 1973

URINE

Comparison of radioimmunoassay and bioassay fo human antidiuretic hormone (ADH) in urine. Freisenhausen HD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:155, 1973

VETERINARY

Nephrogenic diabetes insipidus in a dog. Lage A **J Am Vet Med Assoc** 163:251-3, 1 Aug 73

Subcellular distribution of neurophysin in rats subjected to haemorrhage, salt-loading and lactatio and in rats with hereditary diabetes insipidu (Brattleboro strain). Norström A. **Z Zellforsch Mikrosk Anat** 140:413-24, 1973

DWARFISM

In vitro chromosomal radiosensitivity in "chromosom breakage syndromes". Higurashi M, et al. **Cancer** 32:380-5, Aug 73

Megepiphyseal dwarfism. Gorlin RJ, et al. **J Pediatr** 83:633-5, Oct 73

Taurodontism, diminished root formation, and microcephalic dwarfism. Sauk JJ Jr, et al. **Oral Surg** 36:231-5, Aug 73

Malformation syndromes in human genetic disea Nyhan WL. **Plast Reconstr Surg** 52:237-45, Sep

Ocular manifestations of dwarfism. Rosenthal AR, et **Trans Am Acad Ophthalmol Otolaryngol** 76:1500- Nov-Dec 72 (56 ref.)

BLOOD

Plasma growth hormone response to exercise diagnostic aid. Buckler JM. **Arch Dis Child** 48:565-7, Jul 73

Growth hormone release during sleep in gro retarded children. Eastman CJ, et al. **Arch Dis Child** 48:502-7, Jul 73

Effect of intravenous and oral administration of L-d on HGH and TSH release. Yoshimura M, et **Endocrinol Jap** 19:543-8, Dec 72

The role of transcortin in cortisol transport and cort excretion in children proteinurias. Astruc M, et **Steroids Lipids Res** 4:30-8, 1973

COMPLICATIONS

Ring-1 chromosome, microcephalic dwarfism, acute myeloid leukemia. Bobrow M, et al. **Am J Dis Child** 126:257-60, Aug 73

Robinow dwarfing syndrome accompanied by pe agenesis and hemivertebrae. Vera-Roman JM **Am J Dis Child** 126:206-8, Aug 73

Mesomelic dwarfism with hemivertebrae and s genitalia (the Robinow syndrome). Wadlington et al. **Am J Dis Child** 126:202-5, Aug 73

Rothmund-Thompson syndrome and fibrocysti disease. Lewis MB. **Australas J Dermatol** 13:105-6, Dec 72

Corneal dystrophy in Cockayne's syndrome. Broc JD, et al. **Br J Ophthalmol** 57:391-9, Jun

Pyknodysostosis. Report of a case with platybasia pyramidal tract signs. Amla I, et al. **Indian J Pediatr** 40:66-8, Feb 73

Cutaneous manifestations of immunogenetic deficiency disorders. Bean SF, et al. **J Invest Dermatol** 60:503-8, Jun 73 (14 re

So-called mulibrey nanism with pericardial constriction. Thorén C. **Lancet** 2:731, 29 Se

Short, taught and vulnerable. Dorner S, et **Spec Educ** 62:12-6, Jun 73

[Ocular manifestation in Cockayne's syndro Ufermann K, et al. **Klin Monatsbl Augenheilkd** 162:655-8, May 73 Abstr.)

CONGENITAL

Definition of the Russell-Silver syndrome. Szala **Pediatrics** 52:309-10, Aug 73

Intrinsic dwarfism presenting at birth. Prelin communication on nomenclature. Cremin **S Afr Med J** 47:1068-9, 23 Jun 73

[Thanatophoric dwarfism] Kemperdick H, e **Fortschr Geb Roentgenstr Nuklearmed** 118:553- 73 (Eng. Abstr.)

[Incidence of cancer in subjects with congeni

uired chromosome aberrations] Koller PC.
ent Prog Med (Roma) 54:383-95, May 73 (35 ref.)
g. Abstr.) (Ita)

DIAGNOSIS

a growth hormone response to exercise as
nostic aid. Buckler JM.
h Dis Child 48:565-7, Jul 73
rey nanism, an autosomal recessive syndrome
pericardial constriction. Perpheentupa J, et al.
est 2:351-5, 18 Aug 73

DRUG THERAPY

t to protein replacement therapy for genetic
ase. Immunological implications of accurate
ecular diagnosis. Boyer SH, et al.
est 2:654-9, 22 Sep 73
y of ribosomal level in the liver of the normal and
rf mouse] Mellet J.
himie 55:189-94, 1973 (Eng. Abstr.) (Fre)

EMBRYOLOGY

ow dwarfing syndrome accompanied by penile
esis and hemivertebrae. Vera-Roman JM.
J Dis Child 126:206-8, Aug 73

FAMILIAL & GENETIC

ndrome's progress. Robinow M.
J Dis Child 126:150, Aug 73
melic dwarfism with hemivertebrae and small
talia (the Robinow syndrome). Wadlington WB,
al. Am J Dis Child 126:202-5, Aug 73
chondroplastic dwarfism (enchondral
drodystrophy) in a dog. Beachley MC, et al.
n Vet Med Assoc 163:283-4, 1 Aug 73
eous manifestations of immunogenetic
ciency disorders. Bean SF, et al.
vest Dermatol 60:503-8, Jun 73 (14 ref.)
erification of dominant inheritance by means of
gree investigation. Juhász B, et al.
Coll Gen Pract 23:289-92, Apr 73
rey nanism, an autosomal recessive syndrome
pericardial constriction. Perpheentupa J, et al.
est 2:351-5, 18 Aug 73
topnoric dwarfism--maybe genetic but not
genic. Hall JG. Pediatrics 52:469-70, Sep 73
r manifestations of dwarfism. Rosenthal AR, et al.
s Am Acad Ophthalmol Otolaryngol 76:1500-18,
Dec 72 (56 ref.)
y of ribosomal level in the liver of the normal and
rf mouse] Mellet J.
himie 55:189-94, 1973 (Eng. Abstr.) (Fre)

METABOLISM

levels of manganese, copper, and zinc in rib
lage as related to age in humans and animals, both
al and dwarfed. Schor RA, et al.
Orthop 93:346-55, Jun 73
y of ribosomal level in the liver of the normal and
rf mouse] Mellet J.
himie 55:189-94, 1973 (Eng. Abstr.) (Fre)

PATHOLOGY

tructure of peripheral nerve in Cockayne's
rome. Roy S, et al.
Neuropathol (Berl) 24:345-9, 1973
r manifestations of dwarfism. Rosenthal AR, et al.
s Am Acad Ophthalmol Otolaryngol 76:1500-18,
Dec 72 (56 ref.)

RADIOGRAPHY

hondroplastic dwarfism (enchondral
drodystrophy) in a dog. Beachley MC, et al.
n Vet Med Assoc 163:283-4, 1 Aug 73
dic dwarfism presenting at birth. Preliminary
nunication on nomenclature. Cremin BJ.
fr Med J 47:1068-9, 23 Jun 73

URINE

ie of transcortin in cortisol transport and cortisol
etion in children proteinurias. Astruc M, et al.
ids Lipids Res 4:30-8, 1973

VETERINARY

Hypochondroplastic dwarfism (enchondral chondrodystrophy) in a dog. Beachley MC, et al. J Am Vet Med Assoc 163:283-4, 1 Aug 73

DWARFISM, PITUITARY

Ocular manifestations of dwarfism. Rosenthal AR, et al. Trans Am Acad Ophthalmol Otolaryngol 76:1500-18, Nov-Dec 72 (56 ref.)

BLOOD

Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay. Hasan SH, et al. Acta Endocrinol [Suppl] (Kbh) 173:168, 1973
Plasma growth hormone response to exercise as diagnostic aid. Buckler JM. Arch Dis Child 48:565-7, Jul 73
Exercise as a screening test for growth hormone deficiency in children. Lacey KA, et al. Arch Dis Child 48:508-12, Jul 73
Effect of intravenous and oral administration of L-dopa on HGH and TSH release. Yoshimura M, et al. Endocrinol Jap 19:543-8, Dec 72

COMPLICATIONS

Comparative metabolic and clinical studies of sexual ateliotic dwarfs and diabetics. Merimee TJ. Adv Metab Disord 2:Suppl 2:207-13, 1973
[Diabetes and puberty] Hoet JJ. Probl Actuels Endocrinol Nutr 16:295-303, 3 May 73 (Fre)
[Anomaly of growth hormone secretion and mental disorders] Takahashi K. Clin Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) (Jap)
[Change in microhardness and fluorescence of the hard dental tissues in patients with pituitary dwarfism with symptoms of hypothyroidism] Maksimovskiĭ IuM, et al. Stomatologiia (Mosk) 52:19-21, Jul-Aug 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

Plasma growth hormone response to exercise as diagnostic aid. Buckler JM. Arch Dis Child 48:565-7, Jul 73
Exercise as a screening test for growth hormone deficiency in children. Lacey KA, et al. Arch Dis Child 48:508-12, Jul 73
[Effects of synthetic thyrotropin releasing hormone on values of serum TSH in children] Nakajima H, et al. Clin Endocrinol (Tokyo) 21:513-6, May 73 (Jap)

DRUG THERAPY

Results of intermittent human growth hormone (HGH) therapy in hypopituitary dwarfism. Kirkland RT, et al. J Clin Endocrinol Metab 37:204-11, Aug 73
[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al. Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.) (Fre)
[Treatment of hypopituitary dwarfism with human growth hormone] Zachmann M, et al. Pediatr Pol 48:817-24, Jul 73 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

Clinical and endocrinological evaluation of genetically determined dwarfism. Schönberg D, et al. Acta Endocrinol [Suppl] (Kbh) 173:100, 1973

PATHOLOGY

Comparative metabolic and clinical studies of sexual ateliotic dwarfs and diabetics. Merimee TJ. Adv Metab Disord 2:Suppl 2:207-13, 1973
Diabetic microangiopathy: electron microscope findings in human muscle. Siperstein MD. Adv Metab Disord 2:Suppl 2:349-55, 1973

LIBRARY U. OF L. UMDAH-CHAMPAIGN

FROEHLICH'S SYNDROME

ETIOLOGY

[A case of post-traumatic acromegaly] Morsier G de.
Ann Med Interne (Paris) 123:1025-8, Dec 72 (Eng. Abstr.) (Fre)

GIGANTISM

[Considerations apropos of 7 cases of cerebral gigantism (Sotos' syndrome)] Zappella M, et al.
Pediatrie 28:419-28, Jun 73 (Fre)

BLOOD

Hypothalamic gigantism. Costin G, et al.
J Pediatr 83:419-25, Sep 73

COMPLICATIONS

Hirsutism: a review of the genetic and experimental aspects. Muller SA.
J Invest Dermatol 60:457-74, Jun 73 (150 ref.)
Renal hamartomas and nephroblastomatosis with fetal gigantism: a familial syndrome. Perlman M, et al.
J Pediatr 83:414-8, Sep 73
E.M.G. syndrome. Wiedemann HR.
Lancet 2:626-7, 15 Sep 73
[Anomaly of growth hormone secretion and mental disorders] Takahashi K.
Clin Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) (Jap)

DIAGNOSIS

[Sotos' syndrome (cerebral gigantism)--case report] La Cauza C, et al.
Minerva Pediatr 25:791-804, 19 May 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Hypothalamic gigantism. Costin G, et al.
J Pediatr 83:419-25, Sep 73

ETIOLOGY

Pituitary apoplexy in a child. Case report. Sakalas R, et al. J Neurosurg 39:519-22, Oct 73
Hypothalamic gigantism. Costin G, et al.
J Pediatr 83:419-25, Sep 73

FAMILIAL & GENETIC

Renal hamartomas and nephroblastomatosis with fetal gigantism: a familial syndrome. Perlman M, et al.
J Pediatr 83:414-8, Sep 73
E.M.G. syndrome. Wiedemann HR.
Lancet 2:626-7, 15 Sep 73

PATHOLOGY

Renal hamartomas and nephroblastomatosis with fetal gigantism: a familial syndrome. Perlman M, et al.
J Pediatr 83:414-8, Sep 73

HYPOPITUITARISM

Postpartum pituitary insufficiency: report of five unusual cases with long-term follow-up. Moszkowski EF. South Med J 66:878-82, Aug 73
[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

BLOOD

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973
Quantitative determination of somatomedin in human serum (35S uptake by embryonic chick cartilage). Schimpff RM, et al.
Biomedicine [Express] 19:142-7, 10 Apr 73
Radioimmunological determination of plasma cortisol. Vecsei P, et al. Experientia 28:1104-5, 15 Sep 72
Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et al
J Clin Endocrinol Metab 37:190-6, Aug 73
Growth hormone response to intramuscular glucago
Wieland RG, et al.
J Clin Endocrinol Metab 37:329-30, Aug 73
Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe J et al. J Clin Invest 52:1972-8, Aug 73
Repetitive administration of thyrotropin-releasi hormone results in small elevations of serum thyro hormones and in marked inhibition of thyrotro response. Snyder PJ, et al.
J Clin Invest 52:2305-12, Sep 73
Acromegaly: assessment and selection for treatme
Lazarus L. Proc Aust Assoc Neurol 9:195-7, 19
[Practical value of radioimmunoassay of pituit thyreotropic hormone] Chaussain JL, et al.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 (E Abstr.) (F
[Significance of basal blood somatotropin in n during normal and pathological states] Giordano G al.
Arch E Maragliano Patol Clin 28:73-99, Jan-Jun (Eng. Abstr.) (I

CHEMICALLY INDUCED

Pituitary necrosis induced by intrasellar injection hexadimethrine-bromide. László FA, et al.
Exp Pathol (Jena) 6:240-7, 1972
[Transient(?) pluristimulinic pituitary insufficie due to synthetic beta 1-24 corticotropin in a subj with prior serious neonatal brain disease] De Mat F. Minerva Pediatr 25:821-5, 26 May 73 (

COMPLICATIONS

Evaluation of the effectiveness of treatment on a height prognosis in disorders with advanced retarded bone age. Height and height velocity rel to chronological or to bone age. Bossi E, et
Acta Paediatr Scand 62:401-4, Jul 73
Hypopituitarism and the eye. Mohamed MA.
Bull Ophthalmol Soc Egypt 65:237-40, 1972
[Clinical study of TRF test. 6. Hypothalami hypothyroidism] Sakoda M, et al.
Folia Endocrinol Jap 49:750-60, 20 May 73 (Abstr.) (

DIAGNOSIS

Emotional deprivation in three siblings associated functional pituitary growth hormone defici
Rayner PH, et al. Aust Paediatr J 9:79-84, Ap
Clinical applications of the luteinizing hormon hormone-follicle-stimulating releasing hormon
Marshall JC, et al. J Endocrinol 58:33-4, Au
The impact of radioimmunoassay on our understan of human adrenal physiology. West CD, et
Metabolism 22:995-1002, Aug 73 (36 ref.)

DRUG THERAPY

Evaluation of the effectiveness of treatment on height prognosis in disorders with advanced retarded bone age. Height and height velocity re to chronological or to bone age. Bossi E,
Acta Paediatr Scand 62:401-4, Jul 73
A case of hypopituitarism associated with sickl trait. Robertson JC. Guys Hosp Rep 121:223-6,

ETIOLOGY

Emotional deprivation in three siblings associated functional pituitary growth hormone defici
Rayner PH, et al. Aust Paediatr J 9:79-84, A
Pituitary insufficiency, inappropriate antidiu hormone (ADH) secretion, and carcinoma o bronchus. Epstein S, et al. Cancer 32:476-81, A
A case of posttraumatic hypopituitarism. Kanaya et al. Endocrinol Jap 19:517-23, Dec 72
A case of hypopituitarism associated with sickl trait. Robertson JC. Guys Hosp Rep 121:223-6
[Effects of TSH releasing factor (TRH) an releasing factor (LH-RH) in hypopituitaris Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72

FAMILIAL & GENETIC

al and endocrinological evaluation of genetically ermined dwarfism. Schönberg D, et al. Endocrinol [Suppl] (Kbh) 173:100, 1973

IMMUNOLOGY

tive hypopituitarism. Impaired cell-mediated unity and chronic mucocutaneous candidiasis. nitakis C, et al. JAMA 225:1492-5, 17 Sep 73

METABOLISM

of synthetic thyrotrophin-releasing factor on tary TSH secretion in normal subjects and nts with hypothalamic-pituitary disorders. ri M, et al. Endocrinol (Kbh) 73:233-49, Jun 73

gon-initiated human growth hormone release: a arative study. Cain JP, et al. Med Assoc J 107:617-22, 7 Oct 72

of L-5-HTP on the release of growth hormone, and insulin. Yoshimura M, et al. crinol Jap 20:135-41, Apr 73

mal RNA synthesis and function as influenced ino acid supply and stress. Wannemacher RW Jr. Nutr Soc 31:281-90, Dec 72 (32 ref.)

PHYSIOPATHOLOGY

ts of TSH releasing factor (TRH) and LH sing factor (LH-RH) in hypopituitarism] ssain JL, et al. Med Interne (Paris) 123:1041-6, Dec 72 (Fre)

URINE

on-initiated human growth hormone release: a arative study. Cain JP, et al. Med Assoc J 107:617-22, 7 Oct 72

NTILISM

ETIOLOGY

mical and endocrinological studies in ite-infested patients with and without ilism. Abdel-Kader MM, et al. Paediatr Acad Sci Hung 13:359-65, 1972

tes and puberty] Hoet JJ. Actuels Endocrinol Nutr 16:295-303, 3 May 73 (Fre)

ITARY DISEASES

ephalic-pituitary diseases] Takahashi S. Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

LOOD

cal value of radioimmunoassay of pituitary otropic hormone] Chaussain JL, et al. ndocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. .) (Fre)

onal diagnosis of the halamo-hypophyseal-adrenal system using mmunologic ACTH determination] Fehm HL, et rh Dtsch Ges Inn Med 78:1515-8, 1972 (Ger)

EMICALLY INDUCED

ent(?) pluristimulinic pituitary insufficiency synthetic beta 1-24 corticotropin in a subject rior serious neonatal brain disease] De Matteis serva Pediatr 25:821-5, 26 May 73 (Ita)

MPLICATIONS

m: a review of the genetic and experimental . Muller SA. est Dermatol 60:457-74, Jun 73 (150 ref.) l lesions involving the sella turcica. Chadduck South Med J 66:948-55, Aug 73

ulcer in cerebrohypophyseal obesity] anov PD, et al. rkh 44:100-1, Dec 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al. Acta Endocrinol [Suppl] (Kbh) 173:93, 1973

Thyrotrophin-releasing hormone in use. Br Med J 3:465, 1 Sep 73

Clinical applications of thyrotrophin-releasing hormone. Hall R. Clin Sci 44:2P passim, Feb 73

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J. J Endocrinol 58:xxxivxxxv, Aug 73

Thyrotrophin releasing hormone and thyroid function. Hall R. J Endocrinol 58:xxxv, Aug 73

[Examinations for the diagnosis of endocrine diseases] Jenny M. Rev Med Suisse Romande 92:645-52, Sep 72 (Fre)

[Clinical cases with interesting responses in TRF tests] Sakota M, et al. Clin Endocrinol (Tokyo) 21:431-7, Apr 73 (Jap)

[The usefulness of TRF (thyrotropin releasing factor) test in patients with hypothalamic-pituitary disorders] Otsuki M, et al. J Jap Soc Intern Med 62:353-9, Apr 73 (Jap)

[Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martin JA. Rev Iber Endocrinol 20:269-87, May-Jun 73 (Eng. Abstr.) (Spa)

ETIOLOGY

[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al. Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

[State of the skin and its appendages in pubertal-adolescent dyspituitarism] Mirimanova RP, et al. Probl Endokrinol (Mosk) 19:40-3, May-Jun 73 (Eng. Abstr.) (Rus)

[Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martin JA. Rev Iber Endocrinol 20:269-87, May-Jun 73 (Eng. Abstr.) (Spa)

SURGERY

Trans-sphenoidal surgery for pituitary lesions. Chadduck WM, et al. W Va Med J 69:197-9, Aug 73

[Transplantation of the hypophysis] Kazachenok VM. Probl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119 ref.) (Rus)

THERAPY

Management of endocrine emergencies. Strong JA. Practitioner 211:25-32, Jul 73

PITUITARY GLAND

ABNORMALITIES

Anencephaly: a review. Nakano KK. Arkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)

Empty-sella syndrome. Van Dyk HJ. Lancet 2:574, 8 Sep 73

PITUITARY NEOPLASMS

Thyroid hormone action: a cell-culture system responsive to physiological concentrations of thyroid hormones. Samuels HH, et al. Science 181:1253-6, 28 Sep 73

Unusual lesions involving the sella turcica. Chadduck WM. South Med J 66:948-55, Aug 73

Granular cell myoblastomas of the pituitary region. Kobrine AI, et al. Surg Neurol 1:275-9, Sep 73

[Angiographic signs of tumors of the cavernous sinus region] Legré J, et al. Neurochirurgie 19:29-48, Jan-Feb 73 (Eng. Abstr.) (Fre)

[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P. Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)

[Diencephalic-pituitary diseases] Takahashi S.

LIBRARY U. OF L. URBANA-CHAMPAIGN

Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

[Pancreatic carcinoma with multiple metastasis in the spinal cord] Drut R, et al.
Arch Fund Roux Ocefa 6:59-63, 1972 (Eng. Abstr.) (Spa)

BLOOD

The functional significance of "episodic" LH secretion. Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973

Decreased binding of insulin to its receptors in rats with hormone induced insulin resistance. Goldfine ID, et al. Biochem Biophys Res Commun 53:852-7, 6 Aug 73

Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LRH) in patients with active acromegaly. Faglia G, et al.
J Clin Endocrinol Metab 37:338-40, Aug 73

Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et al.
J Clin Endocrinol Metab 37:190-6, Aug 73

CHEMICALLY INDUCED

Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. J Natl Cancer Inst 51:209-24, Jul 73

Tumours of the nervous system induced in rats by the neonatal administration of N-ethyl-N-nitrosourea. Jones EL, et al. J Pathol 109:123-39, Feb 73

CLASSIFICATION

Carcinoma of the pituitary gland. D'Abrera VS, et al.
J Pathol 109:335-43, Apr 73

COMPLICATIONS

Delayed diagnosis of chiasmal compression. Pruett RC, et al. Am J Ophthalmol 76:229-36, Aug 73

Pituitary insufficiency, inappropriate antidiuretic hormone (ADH) secretion, and carcinoma of the bronchus. Epstein S, et al. Cancer 32:476-81, Aug 73

Pituitary apoplexy in a child. Case report. Sakalas R, et al. J Neurosurg 39:519-22, Oct 73

Carcinoma of the pituitary gland. D'Abrera VS, et al.
J Pathol 109:335-43, Apr 73

Increased intracranial pressure in children. Bell WE, et al. Major Probl Clin Pediatr 8:3-260, 1972 (9 ref.)

Pituitary tumors in women. Downing TA, et al.
Obstet Gynecol 42:182-5, Aug 73

[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)

[Hyperthyreosis caused by a TSH-producing chromophobe hypophyseal adenoma] Hrubesch M, et al. Verh Dtsch Ges Inn Med 78:1529-32, 1972 (Ger)

[Case of Maffucci's syndrome] Jingu K, et al.
Jap J Clin Radiol 18:281-6, Apr 73 (Jap)

DIAGNOSIS

The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973

Delayed diagnosis of chiasmal compression. Pruett RC, et al. Am J Ophthalmol 76:229-36, Aug 73

TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. J Endocrinol 58:33-4, Aug 73

Carcinoma of the pituitary gland. D'Abrera VS, et al.
J Pathol 109:335-43, Apr 73

Pituitary tumors in women. Downing TA, et al.
Obstet Gynecol 42:182-5, Aug 73

The brain scan. Holman BL.
Postgrad Med 54:143-9, Oct 73

[A case of post-traumatic acromegaly] Morsier G de.
Ann Med Interne (Paris) 123:1025-8, Dec 72 (E
Abstr.) (F

DRUG THERAPY

[Influence of testosterone and other anabolic stero on the recurrence rate of surgically treated ante pituitary adenomas] Roos D, et al.
Verh Dtsch Ges Inn Med 78:172-5, 1972 (G

METABOLISM

Ultrastructural aspects of endocrine activity "chromophobic" pituitary adenomas. Hachmeiste
Acta Endocrinol [Suppl] (Kbh) 173:153, 197

Decreased binding of insulin to its receptors in with hormone induced insulin resistance. Goldfine et al. Biochem Biophys Res Commun 53:852-7, 6 Au

Effects of cations and colchicine on the releas prolactin and growth hormone by functional pitui tumor cells in culture. Gautvik KM, et al.
Endocrinology 93:793-9, Oct 73

Estrogen receptor in a prolactin secreting pitui tumor (MtTW5). McGuire WL, et al.
Endocrinology 93:810-3, Oct 73

Inhibition of adrenocorticotropic hormone produc by glucocorticoids in mouse pituitary tumor c Watanabe H, et al. Endocrinology 93:411-6, Au

[Molecular forms of human growth hormone (H comparison of in vivo forms, purified HGH and secreted by cultured adenohypophyseal cell Hartemann P, et al.
C R Soc Biol (Paris) 166:1481-5, 1972

[Hyperthyreosis caused by a TSH-producing chromophobe hypophyseal adenoma] Hrubesch al. Verh Dtsch Ges Inn Med 78:1529-32, 1972

OCCURRENCE

Intracranial tumors in India: incidence and variat Ramamurthi B. Int Surg 58:542-7, Aug 73

Intracranial neoplasms in Malaysia. Selby R, Int Surg 58:536-41, Aug 73

Incidence and behavior pattern of intracranial tu in Ceylon. Weinman DF. Int Surg 58:548-54, A

Incidence of tumors in the nervous system in Kong. Wen HL, et al. Int Surg 58:555-6, Au

[Expanding intracranial processes among the Ne of Senegal] Collomb H, et al.
J Neurol Sci 19:437-52, Aug 73 (Eng. Abstr.)

PATHOLOGY

Ultrastructural aspects of endocrine activity "chromophobic" pituitary adenomas. Hachmeis
Acta Endocrinol [Suppl] (Kbh) 173:153, 19

Fine structure of corticotrophic cells and of pitu adenomas in Cushing's syndrome. Saeger
Acta Endocrinol [Suppl] (Kbh) 173:28, 19

Pituitary insufficiency, inappropriate antidiu hormone (ADH) secretion, and carcinoma o bronchus. Epstein S, et al. Cancer 32:476-81, A

Carcinoma of the pituitary gland. D'Abrera VS,
J Pathol 109:335-43, Apr 73

Granular cell myoblastomas of the pituitary r Kobrine AI, et al. Surg Neurol 1:275-9, S

[Electron microscope study of "basophil" sec particles in tumoral hypophyseal cells in Cus disease] Olivier L, et al.
C R Soc Biol (Paris) 166:1591-5, 1972

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in p with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73

The clinical endocrinology of prolactin. Turk RW. Adv Intern Med 18:363-87, 1972 (97

RADIOGRAPHY

Central ventriculography with Dimer-X. Kunze S
Acta Neurochir (Wien) 28:41-63, 1973

Pituitary apoplexy in a child. Case report. Sakal al. J Neurosurg 39:519-22, Oct 73

Pituitary tumors in women. Downing TA,
Obstet Gynecol 42:182-5, Aug 73

Radiology of the pituitary. Bull J.
Proc Aust Assoc Neurol 9:199-204, 1973

nographic demonstration of suprasellar tumours.
rtson EG. Proc Aust Assoc Neurol 9:205-12, 1973
"empty sella"--a problem in differential
nosis] Peeters FL.
chr Geb Roentgenstr Nuklearmed 118:624-30,
73 (Eng. Abstr.) (Ger)
nostic evaluation of the cavernous sinus branch in
tary tumor] Kowada M, et al.
J Clin Radiol 48:547-51, Aug 73 (Jap)

ADIOTHERAPY

g's disease treated by pituitary implant. Burke
et al. Clin Sci 44:5P passim, Feb 73
ry apoplexy in a child. Case report. Sakalas R, et
Neurosurg 39:519-22, Oct 73

URGERY

norphometric investigation of cancellous bone in
negaly. Delling G, et al.
Endocrinol [Suppl] (Kbh) 173:101, 1973
determinations before and after selective
val of pituitary adenomas in Nelson's syndrome.
nom A, et al.
Endocrinol [Suppl] (Kbh) 173:34, 1973
ry apoplexy in a child. Case report. Sakalas R, et
Neurosurg 39:519-22, Oct 73
sions following operations for pituitary
oma. Taxay EP. Surg Neurol 1:245, Jul 73
sphenoidal surgery for pituitary lesions.
duck WM, et al. W Va Med J 69:197-9, Aug 73
cular necrosis of the femora heads after removal
ypophyseal tumor] Tesárek B, et al.
tr Reumatol Vestn 51:229-32, Aug 73 (Eng.
.) (Cze)
nce of testosterone and other anabolic steroids
e recurrence rate of surgically treated anterior
ary adenomas] Roos D, et al.
Dtsch Ges Inn Med 78:172-5, 1972 (Ger)

SHEEHAN'S SYNDROME

[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)

[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)

BLOOD

Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73

[Renin-angiotensin-aldosterone system in hyperthyroidism] Fukuchi S, et al.
Folia Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.) (Jap)

ETIOLOGY

Postpartum pituitary insufficiency: report of five unusual cases with long-term follow-up. Moszkowski EF. South Med J 66:878-82, Aug 73

METABOLISM

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73

URINE

Effect of cyclophenyl and clomiphene on excretion of urinary LH. Ishizuka N, et al.
Endocrinol Jap 20:51-7, Feb 73

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN

Fine structure of corticotrophic cells and of pituitary adenomas in Cushing's syndrome. Saeger W.
Acta Endocrinol [Suppl] (Kbh) 173:28, 1973

Effect of calcium ion on lipase-fat complex formation. Masaka M, et al. **J Biochem (Tokyo) 72:1565-6, Dec 72**

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev 25:161-78, Jun 73 (60 ref.)**

Further studies on the antigenicity of some injectable tissue extracts. Cîrstea M, et al.
Rev Roum Physiol 9:323-8, 1972

Fine structure of the adenohypophysis in immature sockeye salmon, Oncorhynchus nerka. McKeown BA, et al. **Z Zellforsch Mikrosk Anat 140:459-71, 16 Jul 73**

[Measurement of steroid excretion in rats during ACTH administration for the induction of experimental atheromatosis] Hartmann F, et al.
Verh Dtsch Ges Inn Med 78:1227-9, 1972 (Ger)

ADMINISTRATION & DOSAGE

Effects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al.
Acta Anat (Basel) 85:386-94, 1973

Human pharmacological studies with a new synthetic corticotrophic peptide consisting of 18 amino acids. Retiene K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:33, 1973

Hypersensitivity to different ACTH peptides. Forssman O, et al. **Acta Med Scand 193:557-9, Jun 73**

Effects of ACTH, adrenalectomy and time of day on emotional activity of the rat. Ley KF, et al.
Behav Biol 9:111-5, Jul 73

Effect of Bordetella pertussis vaccine on plasma corticosterone level and on ACTH-induced corticosterone secretion in rats. Csaba B, et al.
Experientia 29:112-3, 1 May 73

Elimination of severe height growth suppression caused by treatment with betamethasone after switching to ACTH-depot in chronic bronchial asthma. Moulaert AJ, et al.
Helv Paediatr Acta 27:55-62, Apr 72

[Cortisone treatment of mediastinal-pulmonary sarcoidosis: necessity of early treatment and place of A.C.T.H. therapy (apropos of an evaluation of 75 cases)] Brun J, et al.
Poumon Coeur 28:321-31, 1972 (Eng. Abstr.) (Fre)

[Influence of ACTH, metopirone and cortisone on central regulatory centers] Mühlen K aus der, et al.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Hypersensitivity to different ACTH peptides. Forssman O, et al. **Acta Med Scand 193:557-9, Jun 73**

[Transient(?) pluristimulinic pituitary insufficiency due to synthetic beta 1-24 corticotropin in a subject with prior serious neonatal brain disease] De Matteis F. **Minerva Pediatr 25:821-5, 26 May 73 (Ita)**

ANALYSIS

Lipolytically active peptides from hog pituitary glands. Schleyer M, et al.
Acta Endocrinol [Suppl] (Kbh) 173:179-80, 1973

Confirmation of the 1-20 amino acid sequence of human adrenocorticotrophin. Bennett HP, et al.
Biochem J 133:11-3, May 73

Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al.
Horm Metab Res 5:58-61, Jul 73

Maternal-fetal ACTH relationship in man. Allen JP, et al. **J Clin Endocrinol Metab 37:230-4, Aug 73**

Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin. Horai R, et al.
J Clin Endocrinol Metab 37:212-9, Aug 73

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 52:1756-69, Jul 73

Methodological refinements in the redox bioassay adrenocorticotrophin. Alaghband-Zadeh J, et
J Endocrinol 58:xix, Jul 73

Characterization of corticotrophin-like intermedi lobe peptides from rat and pig pituitaries, identification of alpha-melanocyte-stimulating hormone in the rat pituitary. Scott AP, et
J Endocrinol 58:xv, Jul 73

Pituitary peptide. Scott AP, et al.
Nature [New Biol] 244:65-7, 18 Jul 73

ANTAGONISTS & INHIBITORS

Reversible inhibition of ACTH-induced corticoste release by cycloheximide: evidence for an unidentified cellular messenger. Rubin RP, et
Endocrinology 93:575-80, Sep 73

Circadian rhythm of plasma aldosterone concentra in patients with primary aldosteronism. Kem DC,
J Clin Invest 52:2272-7, Sep 73

Regulation of adrenal ornithine decarboxylase adrenocorticotropic hormone and cyclic AM Richman R, et al. **J Clin Invest 52:2007-15, Au**

BIOSYNTHESIS

Isolated pituitary cells: ACTH secretion and synth Lang R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:29, 197

Adrenal ablation by venous catheter. Eddy RL,
Ann Intern Med 79:273-4, Aug 73

Inhibition of adrenocorticotropic hormone produ by glucocorticoids in mouse pituitary tumor Watanabe H, et al. **Endocrinology 93:411-6, A**

Influence of median eminence extracts on neosynthesis and release of ACTH. Koch B,
Horm Metab Res 5:306, Jul 73

The impact of radioimmunoassay on our understa of human adrenal physiology. West CD,
Metabolism 22:995-1002, Aug 73 (36 ref.)

Endocrine complications of malignancy. Peterso et al. **Nebr Med J 58:231-2, Jul 73**

Paraneoplastic syndromes. A clinically relev concept in cancer. Lawrence W Jr, et a
Va Med Mon 100:738-49, Aug 73

[Incubation of gamma-cells, mother cells o pituitary anterior lobe: with special referen transformation of alpha-cells with addition o and synthesis of ACTH] Yoshimura F.
Clin Endocrinol (Tokyo) 21:447-52, May 73 (1

BLOOD

Pituitary and gonadal function in hypogonadot hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73

ACTH determinations before and after sel removal of pituitary adenomas in Nelson's syn Espinoza A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:34, 1

Clinical and metabolic features of anorexia n Warren MP, et al.
Am J Obstet Gynecol 117:435-49, 1 Oct

Dextran-coated charcoal technique to mak hormone-free serum as a diluent for standard c radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73

Maternal-fetal ACTH relationship in man. Aller al. **J Clin Endocrinol Metab 37:230-4, Au**

Serum thyrotropin (TSH) in pituitary and hypothalamic hypothyroidism: normal or e basal levels and paradoxical responses t thyrotropin-releasing hormone. Patel YC,
J Clin Endocrinol Metab 37:190-6, Aug

Neuroendocrine responses to physical and

LIBRARY U. OF L. URBANA-CHAMPAIGN

ychological stress. Sandman CA, et al.
Comp Physiol Psychol 84:386-90, Aug 73
effect of adrenalectomy on blood corticotrophin in
rat. Buckingham JC, et al. J Endocrinol 58:8, Jul 73
relationship between cortisol and
renocorticotrophin levels in human plasma. Daly
, et al. J Endocrinol 58:ix, Jul 73
dioimmunoassay for beta-melanocyte-stimulating
rmone in human plasma. Thody AJ, et al.
Endocrinol 58:263-73, Aug 73
effect of intravenous catecholamines on
culating levels of growth hormone, corticotrophin
d cortisol in man. Wilcox CS, et al.
Endocrinol 58:vi, Jul 73
n should you consider a cortisone prep? Olin R.
d Times 100:64-9, Sep 72
impact of radioimmunoassay on our understanding
human adrenal physiology. West CD, et al.
tabolism 22:995-1002, Aug 73 (36 ref.)
itary-adrenal responsiveness during lactation in
a. Stern JM, et al.
uroendocrinology 12:179-91, 1973
nctional diagnosis of the
pothalamo-hypophyseal-adrenal system using
dioimmunologic ACTH determination] Fehm HL, et
Verh Dtsch Ges Inn Med 78:1515-8, 1972 (Ger)
adoxical binding phenomenon in
dioimmunoassay of ACTH] Nakai Y, et al.
ia Endocrinol Jap 49:894-900, 20 Jun 73 (Eng.
str.) (Jap)

DIAGNOSTIC USE

othalamic-pituitary-adrenal function in patients
h pituitary tumours. Faglia G, et al.
ta Endocrinol (Kbh) 73:223-32, Jun 73
erential diagnosis of female hirsutism, Cushing's
Conn's syndrome. Quantitative sequential
ntigraphy of the adrenals with
-J-19-iodocholesterol. Nowakowski H, et al.
ta Endocrinol [Suppl] (Kbh) 173:171, 1973
hemical and endocrinological studies in
asite-infested patients with and without
antilism. Abdel-Kader MM, et al.
ta Paediatr Acad Sci Hung 13:359-65, 1972
clinical significance of pituitary-adrenal
ppression by exogenous corticosteroids. Christy
. J Chronic Dis 26:261-4, May 73
enocortical function and skin pigmentation in
opathic haemochromatosis. Sinniah R.
d J Aust 2:19-20, 7 Jul 73
erkalaemic periodic paralysis associated with
dison's disease. Schwieger AC.
c Aust Assoc Neurol 9:63-6, 1973
e of transitory gynecomasty with
perestrogenism of non-tumoral testicular origin]
rins A, et al.
a Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Eng.
str.) (Fre)
renal cortex function tests in children with
eumatic fever] Tsvetkova V, et al.
d Monatsschr 27:279-80, Jun 73 (Ger)
renal glycoative function in congestive heart
ure. I. Changes in blood and urinary cortisol and
ACTH loading test] Bernardi P, et al.
ia Endocrinol (Roma) 25:95-114, Apr 72 (Ita)
ma aldosterone levels in primary aldosteronism.
Aldosterone and ACTH] Fukuchi S, et al.
ia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr.)
(Jap)
nary 6beta-hydroxycortisol. II. Urinary
ta-hydroxycortisol in different diseases and after
ministration of drugs] Yamada S.
ia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.)
(Jap)
luation of the rapid ACTH test and blood cortisol
ermination by fluorescence method in
atobiliary diseases] Kubota C, et al.
J Clin Pathol 21:189-94, Feb 73 (Jap)
monia, glycogen and Porter-Silber chromogens in
ipheral blood in cases of alcoholic delirium]
rzański T, et al.
chiatr Pol 7:233-9, May-Jun 73 (Eng. Abstr.) (Pol)
nary 17-ketosteroid excretion indices in healthy
n and women in the use of a modified Labhart test]
anov MM, et al. Lab Delo 8:479-82, 1972 (Rus)

ISOLATION & PURIFICATION

gic and immunologic characterization and physical
separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 52:1756-69, Jul 73

METABOLISM

Ophthalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes". Pfeiffer M, et al. Adv Metab Disord 2:Suppl 2:317-22, 1973
Adrenal cells in tissue culture. X. On the mechanism of the stimulation of steroidogenesis by cyclic cytidine monophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73
Influence of median eminence extracts on neosynthesis and release of ACTH. Koch B, et al.
Horm Metab Res 5:306, Jul 73
Peptide hormone binding to receptors: a review of direct studies in vitro. Roth J.
Metabolism 22:1059-73, Aug 73 (150 ref.)
The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)
Pituitary peptide. Scott AP, et al.
Nature [New Biol] 244:65-7, 18 Jul 73
Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973
Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972
[Variations in the eosionophil count, glucose, free fatty acids, calcium and magnesium contents of sheep blood within the period of one day, and effects of various hormones on them (ACTH, prednisolone, adrenaline)] Kolb E, et al.
Arch Exp Veterinaermed 27:165-83, 1973 (Eng. Abstr.)
(Ger)

PHARMACODYNAMICS

Effects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al.
Acta Anat (Basel) 85:386-94, 1973
The effect of dihydroergotamine on ACTH-stimulated lipolysis in rat adipocytes. Kowadlo-Silbergeld A, et al. Acta Endocrinol (Kbh) 73:250-8, Jun 73
Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73
In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:73, 1973
Correlative insulin and glucagon secretion of the perfused rat pancreas following pituitary peptides. Fussgänger RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
Contribution on regulation of corticotrophic partial function. Reference to an active negative regulation. Herrmann H.
Acta Endocrinol [Suppl] (Kbh) 173:30, 1973
The influence of ACTH and HCG on the steroidogenesis of fetal adrenals in vitro. Lehmann WD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:75, 1973
Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:170, 1973
Human pharmacological studies with a new synthetic corticotrophic peptide consisting of 18 amino acids. Retiene K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:33, 1973
Cortisol, cortisone, and corticosterone in plasma following ACTH-stimulation during the first 6 hours of life. Willig RP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:36, 1973
Hypersensitivity to different ACTH peptides.
Forssman O, et al. Acta Med Scand 193:557-9, Jun 73
Studies on the role of cyclic AMP in human lipolysis. Burns TW, et al.
Adv Cyclic Nucleotide Res 1:63-85, 1972
Effects of ACTH, adrenalectomy and time of day on emotional activity of the rat. Ley KF, et al.
Behav Biol 9:111-5, Jul 73
Adrenal microsomal C19-steroid 5alpha-reductase activity in the Snell transplantable rat adrenocortical tumour 494 and the effect of oestradiol, testosterone

LIBRARY U. OF L. URBANA-CHAMPAIGN

propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al. **Biochem J** 132:293-300, Feb 73

The synthesis of DNA associated with the nuclear membrane of guinea pig adrenal cells. Barrieux A, et al. **Biochim Biophys Acta** 312:228-42, 23 Jun 73

Effect of pyrazole on ACTH stimulated lipolysis "in vivo". Giudicelli Y, et al. **Biomedicine [Express]** 19:48-51, 10 Feb 73

Inhibition of functional vasodilatation and prostaglandin formation in rabbit adipose tissue by indomethacin and aspirin. Bowery B, et al. **Br J Pharmacol** 47:305-14, Feb 73

Effect of two ACTH-analogs on noradrenaline metabolism in rat brain. Versteeg DH. **Brain Res** 49:483-5, 30 Jan 73

Urinary corticosteriod and diphenylhydantoin metabolite patterns in neonates exposed to anticonvulsant drugs in utero. Reynolds JW, et al. **Clin Pharmacol Ther** 14:891-7, Sep-Oct 73

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73

Lipolytic effects of high concentrations of insulin on isolated fat cells. Enhancement of the response to lipolytic hormones. Lavis VR, et al. **Diabetes** 22:629-36, Aug 73

Insulin metabolizing enzyme activities in human placental tissue. Posner BI. **Diabetes** 22:552-63, Jul 73

Effects of ACTH and its synthetic analogues on water balance in rats. Tanaka A, et al. **Endocrinol Jap** 20:39-49, Feb 73

The relationship of rapidly labeled adrenal RNA synthesis to steroidogenesis in a superfusion system: effect of ACTH. Castells S, et al. **Endocrinology** 93:285-91, Aug 73

Dynamics of insulin release by perfused rat pancreases: effects of hypophysectomy, growth hormone, adrenocorticotropic hormone, and hydrocortisone. Curry DL, et al. **Endocrinology** 93:602-9, Sep 73

Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, et al. **Endocrinology** 93:835-42, Oct 73

Adrenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al. **Endocrinology** 93:566-74, Sep 73

Corticosteroidogenesis and its relation to ACTH dependence of mitochondrial components. Ruhmann-Wennhold A, et al. **Endocrinology** 93:977-82, Oct 73

Regulation of steroidogenesis by ACTH in a superfusion system for isolated adrenal cells. Schulster D. **Endocrinology** 93:700-4, Sep 73

Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al. **Endocrinology** 93:517-26, Sep 73

Adenylate-cyclase receptors for adrenergic neurotransmitters in rat cerebral cortex. Hungen D von, et al. **Eur J Biochem** 36:391-401, 16 Jul 73

The action of reserpine on teleost melanophores. Finnin BC, et al. **Eur J Pharmacol** 22:239-48, Jun 73

Effect of Bordetella pertussis vaccine on plasma corticosterone level and on ACTH-induced corticosterone secretion in rats. Csaba B, et al. **Experientia** 29:112-3, 1 May 73

A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine. Flint G, et al. **Experientia** 29:566-8, 15 May 73

Ineffectiveness of adrenocorticosteroids and adrenocorticotropin in altering Na-K currents in squid giant axon. Henkin RI, et al. **Experientia** 29:555-6, 15 May 73

Radioimmunological determination of plasma cortisol. Vecsei P, et al. **Experientia** 28:1104-5, 15 Sep 72

Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril** 24:877-86, Sep 73

In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol** 21:99-107, Aug 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al. **Horm Metab Res** 5:279-82, Jul 73

Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al. **Horm Metab Res** 5:58-61, Jul 73

Studies on the mast cell triggering action of certain artificial histamine liberators. Jasani B, et al. **Int Arch Allergy Appl Immunol** 45:74-81, 19

Stimulatory and inhibitory effects of guanyl nucleotides on fat cell adenylate cyclase. Harwood et al. **J Biol Chem** 248:6239-45, 10 Sep 73

Regulation of adrenal ornithine decarboxylase adrenocorticotropic hormone and cyclic AMP Richman R, et al. **J Clin Invest** 52:2007-15, Aug

Corticosteroid release by adrenal tissue from fo and newborn lambs in response to corticotrop stimulation in a perifusion system in vitro. Madill D al. **J Endocrinol** 58:78-87, Jul 73

Rat adrenal 5alpha-reductase activity and the effec oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomi rats. Maynard PV, et al. **J Endocrinol** 58:7-8, Ju

Adrenocortical function in the Australian brush-ta possum Trichosurus vulpecula (Kerr). Than KA, e **J Endocrinol** 58:97-109, Jul 73

The physiological role of prostaglandins in parturit Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 r

Ultrastructure of a human chorionic gonadotropin- adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, e **Lab Invest** 29:81-9, Jul 73

Rearing experience, stress and adrenocorticoster in the rhesus monkey. Meyer JS, et al. **Physiol Behav** 8:339-43, Feb 72

Adrenal response to synthetic adrenocorticotro hormone during pregnancy and after delivery, special reference to pre-eclamptic and hyperten pregnancy. Kauppila A, et al. **Scand J Clin Lab Invest** 31:179-85, Mar 73

[Modification of the length of gestation in swine the administration of ACTH to the fetus] Bosc **C R Acad Sci [D] (Paris)** 276:3183-6, 13 Jun 73 (

[Effect of an early ACTH injection on mammary adrenal gland development in the mouse fetu utero] Jean C. **C R Soc Biol (Paris)** 166:1675-80, 1972 (

[Measurement of steroid excretion in rats d ACTH administration for the induction of experimental atheromatosis] Hartmann F, e **Verh Dtsch Ges Inn Med** 78:1227-9, 1972 (

[Mechanism of action of insulin in adipose ti antagonism between insulin and lipolytic hormon the adenyl cyclase activation system] Hepp KD, **Verh Dtsch Ges Inn Med** 78:1266-9, 1972 (

[Modifications of the gas chromatographic patte urinary corticosteroids induced by various dos beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 Abstr.)

[Plasma aldosterone levels in primary aldostero II. Aldosterone and ACTH] Fukuchi S, et **Folia Endocrinol Jap** 49:981-7, 20 Jul 73 (Eng. A

[Participation of the hypophysis and adrena regulation of intraocular pressure] Bekauri NV, **Fiziol Zh SSSR** 59:1102-7, Jul 73 (Eng. Abstr.)

[Experimental data on the adrenocorticolytic ac of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov **Probl Endokrinol (Mosk)** 19:71-4, May-Jun 73 Abstr.)

[Morphological aspects of the problem of hypop regulation of the glomerular zone of the a gland. II. Histochemistry of the adrenocortical c birds and amphibia under ACTH stimulat Tkacheva GA. **Probl Endokrinol (Mosk)** 19:57-61, May-Jun 73 Abstr.)

[Functional state of the adrenal cortex in mal tumors of the ovaries during thio-TEPA treat Pankov AK, et al. **Vopr Onkol** 19:31-5, 1973 (Eng. Abstr.)

PHYSIOLOGY

Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, **Endocrinology** 93:835-42, Oct 73

Lipolytic activity of rat pituitaries in vitro. Lis M **Horm Metab Res** 5:253-8, Jul 73

Potassium, angiotensin and the dual contr aldosterone secretion. Laragh JH. **N Engl J Med** 289:745-7, 4 Oct 73

[Influence of ACTH, metopirone and cortis central regulatory centers] Mühlen K aus de

enbaurs Morphol Jahrb 119:275-87, 1973 (Eng. tr.) (Ger)
otoxinemia and adrenocortical hemorrhage. erimental study using ACTH-treated rats] Bavaud

chows Arch [Pathol Anat] 360:71-7, 1973 (Eng. tr.) (Ger)
ion of pantethine on the adrenal cortex of ophysectomized rats] Kosaka C, et al.
Endocrinol (Tokyo) 21:517-25, May 73 (Jap)
eptor of gonadotropin] Tojyo S, et al.
Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) (Jap)

SECRETION

ted pituitary cells: ACTH secretion and synthesis. g R, et al.
Endocrinol [Suppl] (Kbh) 173:29, 1973
se of chronic catheterization techniques in foetal ep. Mellor DJ, et al.
Vet J 129:260-6, May-Jun 73 (23 ref.)
tary ACTH and GH content associated with the of acidophils following thyroidectomy. Yokoyama
Endocrinol Jap 19:533-41, Dec 72
ith hormone regulation and othalamic-pituitary-adrenal function in anorexia vosa. Neri V, et al.
Endocrinol (Roma) 25:143-52, Apr 72
ence for two corticosteroid receptor mechanisms he feedback control of corticotrophin secretion. es MT, et al. J Physiol (Lond) 232:97P-98P, Jul 73
n of growth-hormone-release inhibitory hormone healthy men and in acromegaly. Hall R, et al.
cet 2:581-4, 15 Sep 73
weaning development of negative feedback in the itary-adrenal system of the rat. Goldman L, et al.
roendocrinology 12:199-211, 1973
n vitro assay for corticotropin releasing factor(s) ng suspensions of isolated pituitary cells. tanova R, et al. Neuroendocrinology 12:236-48, 1973
ted pituitary cells: CRF-like activity of rohypophysial and related polypeptides. tanova R, et al.
c Soc Exp Biol Med 143:661-6, Jul 73
cts of PGF2 infusion on human cortisol synthesis. Wentz AC, et al.
staglandins 3:155-72, Feb 73
noamines and corticotropin secretion] Millaz JC.
Neurol (Paris) 127:301, Aug 72 (Fre)
avior of the circadian rhythm of adrenal cortex retion in anorexia nervosa in relation to the ation of amenorrhea] Angeli A, et al.
Endocrinol (Roma) 25:153-60, Apr 72 (Eng. str.) (Ita)
plication of tissue culture to the study of ectopic rmone producing tumors] Shimosato S, et al.
Endocrinol (Tokyo) 21:453-62, May 73 (29 ref.) (Jap)
rent topics on cerebral amines: with special erence to the topics at the symposium at the annual eting of Endocrinology Society] Ito S.
J Clin Med 31:2118-21, Jun 73 (13 ref.) (Jap)
ect of reserpine on the othalamo-hypophyseo-adrenal system of the rat in prenatal and early postnatal periods] Skebel'skaia l, et al.
bl Endokrinol (Mosk) 19:52-7, May-Jun 73 (Eng. str.) (Rus)

THERAPEUTIC USE

iew of treatment of Ménière's syndrome. ncheliffe R.
a Otolaryngol [Suppl] (Stockh) 305:10-7, 1972 (84 .)
omethasone dipropionate steriod aerosol in atment of perennial allergic asthma in children. own HM, et al. Br Med J 3:161-4, 21 Jul 73
problem of the Lennox syndrome. Aicardi J.
Med Child Neurol 15:77-80, Feb 73
tment of infantile spasms and Lennox-Gastaut drome with clonazepam (Rivotril). Vassella F, et Epilepsia 14:165-75, Jun 73
and misuses of anti-inflammatory drugs in ehorses. 1. Hopes R. Equine Vet J 4:66-8, 5 Apr 72
ination of severe height growth suppression used by treatment with betamethasone after itching to ACTH-depot in chronic bronchial asthma. Moulaert AJ, et al.
Helv Paediatr Acta 27:55-62, Apr 72
Relapsing peripheral neuropathy in association with renal carcinoma. Lloyd GH, et al.
J Indian Med Assoc 60:200-6, 16 Mar 73
Cytomegalovirus infection. A case with meningoencephalitis. Chin W, et al.
JAMA 225:740-1, 13 Aug 73
When should you consider a cortisone prep? Olin R.
Med Times 100:64-9, Sep 72
Myasthenia gravis lacking response to cholinergic drugs. Black JT, et al.
Neurology (Minneap) 23:851-3, Aug 73
Nervous system lesions after sting by yellow jacket. A case report. Means ED, et al.
Neurology (Minneap) 23:881-90, Aug 73
Delayed dermal hypersensitivity to autologous lymphocytes in multiple sclerosis. Morariu M, et al.
Neurology (Minneap) 23:808-11, Aug 73
Bell's palsy and its treatment. Aminoff MJ.
Postgrad Med J 49:46-51, Jan 73
Infantile polymyoclonia. Manson JI.
Proc Aust Assoc Neurol 9:19-22, 1973
[Sympathetic ophthalmia and antilymphocyte serum] Hamard H, et al.
Bull Soc Ophtalmol Fr 72:845-8, Sep-Oct 72 (Fre)
[Cortisone treatment of mediastinal-pulmonary sarcoidosis: necessity of early treatment and place of A.C.T.H. therapy (apropos of an evaluation of 75 cases)] Brun J, et al.
Poumon Coeur 28:321-31, 1972 (Eng. Abstr.) (Fre)
[Transient(?) pluristimulinic pituitary insufficiency due to synthetic beta 1-24 corticotropin in a subject with prior serious neonatal brain disease] De Matteis F. Minerva Pediatr 25:821-5, 26 May 73 (Ita)

TOXICITY

[Acute gastroduodenal ulcer (review of the literature)] Sandomirskii BP.
Klin Khir 12:53-8, Dec 72 (Rus)

FSH

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al.
Acta Endocrinol (Kbh) 73:465-74, Jul 73
Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Sand T, et al.
Acta Endocrinol (Kbh) 73:444-54, Jul 73
Response of plasma LH in male pigs to synthetic LH-FSHRH. Ellendorff F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:83, 1973
A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement of FSH in the ovine estrous cycle, and in several other species including man. Salamonsen LA, et al.
Endocrinology 93:610-8, Sep 73
Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. Fertil Steril 24:618-32, Aug 73
Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH). Golter TD, et al.
J Anim Sci 37:123-7, Jul 73

ADMINISTRATION & DOSAGE

Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73
The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al.
Gen Comp Endocrinol 21:202-9, Aug 73
Kinetic studies with 125I-labelled follicle-stimulating hormone. Butt WR, et al.
J Endocrinol 58:275-87, Aug 73
Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al.
J Reprod Fertil [Suppl] 18:15-22, Jul 73

ANALYSIS

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al. **Acta Endocrinol [Suppl] (Kbh) 173:90, 1973**

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Wide L, et al. **Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973**

Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins. Wildt L, et al. **Acta Endocrinol [Suppl] (Kbh) 173:57, 1973**

Structural investigation of the carbohydrate element of human pituitary follicle-stimulating hormone by methylation analysis. Kennedy JF, et al. **Biochem J 130:417-23, Nov 72**

Determination of the distribution of luteinizing hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay. Firth JA, et al. **J Endocrinol 58:347-8, Aug 73**

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl] 18:1-13, Jul 73 (54 ref.)**

ANTAGONISTS & INHIBITORS

A workable, simple biological screening procedure for the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al. **Acta Endocrinol [Suppl] (Kbh) 173:63, 1973**

BIOSYNTHESIS

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al. **Clin Genet 4:91-7, 1973**

Gonadotropin levels in lactating rats: effect of ovariectomy. Ford JJ, et al. **Endocrinology 93:540-7, Sep 73**

BLOOD

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh) 73:209-21, Jun 73**

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al. **Acta Endocrinol (Kbh) 73:465-74, Jul 73**

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh) 73:396-406, Jun 73**

Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al. **Acta Endocrinol (Kbh) 73:455-64, Jul 73**

A workable, simple biological screening procedure for the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al. **Acta Endocrinol [Suppl] (Kbh) 173:63, 1973**

Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:169, 1973**

LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al. **Acta Endocrinol [Suppl] (Kbh) 173:89, 1973**

Induction and maintenance of pregnancy without rise in serum prolactin in rats. Doehler KD, et al. **Acta Endocrinol [Suppl] (Kbh) 173:45, 1973**

The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al. **Acta Endocrinol [Suppl] (Kbh) 173:94, 1973**

The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids. Robyn C, et al. **Acta Endocrinol [Suppl] (Kbh) 173:88, 1973**

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Wide L, et al. **Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973**

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al. **Acta Endocrinol [Suppl] (Kbh) 173:95, 1973**

Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins. Wildt L, et al. **Acta Endocrinol [Suppl] (Kbh) 173:57, 1973**

Effects of pentobarbital and urethane on prolactin, and FSH release during proestrus and early pseudopregnancy in rats. Wuttke W. **Acta Endocrinol [Suppl] (Kbh) 173:40, 1973**

Turner syndrome with partial deletion of the chromosome long arm. Lippe BM, et al. **Am J Dis Child 126:222-4, Aug 73**

Induction of premature menstruation with anab steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol 117:121-5, 1 Sep 73**

Daily serum follicle-stimulating hormone, luteini hormone, and plasma testosterone and androstenedione in hirsute women with polycy sclerotic ovaries: effects of diethylstilbestrol norethindrone acetate. Daane TA, et al. **Am J Obstet Gynecol 117:392-9, 1 Oct 73**

Plasma gonadotropin and ovarian steroid level uterovaginal atresia. A case report. D'Alberton A al. **Am J Obstet Gynecol 117:389-91, 1 Oct**

Clinical and metabolic features of anorexia nerv Warren MP, et al. **Am J Obstet Gynecol 117:435-49, 1 Oct 73**

Pituitary responsiveness to synthetic luteiniz hormone-releasing hormone during pregnancy: ef on follicle-stimulating hormone secretion. Zárat et al. **Am J Obstet Gynecol 116:1121-3, 15 Au**

Estrogen-androgen imbalance in hepatic cirrh Studies in 13 male patients. Chopra IJ, et **Ann Intern Med 79:198-203, Aug 73**

A new familial syndrome with ataxia, hearing loss, mental retardation. Report of three brothers. Ber W, et al. **Arch Neurol 29:258-61, Oct 73**

Effect of synthetic luteinizing hormone-relea hormone (LH-RH) on the release of gonadotropi hypophyso-gonadal disorders of children an adolescents. II. Precocious puberty and prema thelarche. Job JC, et al. **Biomedicine [Express] 19:77-81, 10 Feb 73**

Effects of electrical stimulation of the brain on s and pituitary concentrations of gonadotropin i estrogenized rat. Kawakami M, et al. **Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.)**

Double-antibody solid-phase radioimmunoassay gonadotropins in serum. Seki K, et al. **Endocrinol Jap 20:121-7, Apr 73**

Changes in FSH, LH and prolactin secretion d estrous cycle in rats. Taya K, et al. **Endocrinol Jap 20:199-205, Apr 73**

Further studies on the luteotropic action of estrog rats. Uchida K, et al. **Endocrinol Jap 20:103-10, A**

Gonadotropin levels in lactating rats: effect ovariectomy. Ford JJ, et al. **Endocrinology 93:540-7, Sep 73**

Serum gonadotropin and testosterone levels d loss and recovery of spermatogenesis in rats. G WR, et al. **Endocrinology 93:800-9, Oct 73**

An analysis of the negative feedback contr gonadotropin secretion utilizing chronic implant of ovarian steroids in ovariectomized rhesus mon Karsch FJ, et al. **Endocrinology 93:478-86, A**

LH-releasing activity of p-Glu-His-Trp-NH2 p-Glu-His-Trp. Mecklenburg RS, et al. **Endocrinology 93:993-7, Oct 73**

Changes in serum prolactin and gonadotropins d sexual development of the male rat. Negro-Vila al. **Endocrinology 93:660-4, Sep 73**

Evidence for changes in sensitivity to testost negative feedback on gonadotropin release d sexual development in the male rat. Negro-Vila al. **Endocrinology 93:729-35, Sep 73**

A heterologous radioimmunoassay for follic stimulating hormone: application to measurem FSH in the ovine estrous cycle, and in several species including man. Salamonsen LA, e **Endocrinology 93:610-8, Sep 73**

Circulating levels of plasma gonadotropins in 5-day cycling rats. Smith ER, et al. **Endocrinology 93:756-8, Sep 73**

Levels of serum LH in rhesus monkeys intrapituitary infusion of synthetic LH-RH or n eminence extracts. Spies HG, et al. **Endocrinology 93:814-21, Oct 73**

Regulation of human gonadotropins. XI. Ho profiles in normal and infertile women treate

LIBRARY U. OF L. URBANA-CHAMPAIGN

adotropins. Snyder DL, et al.
rtil Steril 24:706-14, Sep 73
itary-gonadal rhythms in the eugonadal adult male.
eland RG, et al. Fertil Steril 24:644-7, Aug 73
oimmunoassay of plasma LH and FSH in selected
locrine disorders. Isidori A, et al.
ia Endocrinol (Roma) 25:127-34, Apr 72
itary response to gonadotropin-releasing hormone
-RH) stimulation in normal subjects. Lafuenti G,
al. Folia Endocrinol (Roma) 26:180-8, Jun 73
ct of testosterone on the LH and FSH release
uced by LH-releasing factor (LRF) in normal men.
hlen A von zur, et al.
rm Metab Res 5:266-70, Jul 73
ence for LH and FSH binding protein(s) in human
rat serum. Rajaniemi H, et al.
rm Metab Res 5:261-6, Jul 73
effect of synthetic luteinizing hormone-releasing
mone on blood levels of luteinizing hormone and
icle stimulating hormone in Klinefelter patients.
dberg PO, et al. Int J Fertil 18:97-100, 1973
m levels of luteinizing hormone,
icle-stimulating hormone and progesterone
oughout the mentrual cycle of rhesus monkeys.
wender GD, et al.
Clin Endocrinol Metab 37:326-8, Aug 73
m thyrotropin (TSH) in pituitary and-or
othalamic hypothyroidism: normal or elevated
al levels and paradoxical responses to
rotropin-releasing hormone. Patel YC, et al.
Clin Endocrinol Metab 37:190-6, Aug 73
ulation of human prolactin secretion by
raverous infusion of L-tryptophan. MacIndoe JH,
al. J Clin Invest 52:1972-8, Aug 73
odic luteinizing hormone secretion in man. Pulse
lysis, clinical interpretation, physiologic
chanisms. Santen RJ, et al.
Clin Invest 52:2617-28, Oct 73
tic studies with 125I-labelled follicle-stimulating
mone. Butt WR, et al.
Endocrinol 58:275-87, Aug 73
olid-phase radioimmunoassay for ovine
icle-stimulating hormone. Cunningham NF, et al.
Endocrinol 58:239-49, Aug 73
cal applications of the luteinizing
mone-follicle-stimulating releasing hormone.
rshall JC, et al. J Endocrinol 58:33-4, Aug 73
inhibitory effect of 5-methoxytryptophol on
rian weight, follicular growth and egg production
dult white leghorn hens (Gallus domesticus L.).
emans MG. J Neural Transm 34:159-69, 1973
m levels of gonadotrophins in relation to multiple
gnancy in Nigeria. Nylander PP.
bstet Gynaecol Br Commonw 80:651-3, Jul 73
dotrophins in the ovine oestrous cycle. Goding JR,
al. J Reprod Fertil [Suppl] 18:31-7, Jul 73
re, role and control of the gonadotrophins. Greep
J Reprod Fertil [Suppl] 18:1-13, Jul 73 (54 ref.)
ct of radioassay techniques on the field of sex
mones. Franchimont P, et al.
tabolism 22:1003-11, Aug 73 (83 ref.)
urement of steroid hormones using intracellular
eptor proteins. Korenman SG.
tabolism 22:1083-8, Aug 73 (44 ref.)
ence for participation of a catecholaminergic
chanism in the post-castration rise in plasma
adotropins. Ojeda SR, et al.
roendocrinology 12:295-315, 1973
XY mosaicism and nonfluorescent Y chromosome.
dr G, et al. Obstet Gynecol 42:421-8, Sep 73
taglandin involvement in hypothalamic control of
adotropin and prolactin release. Harms PG, et al.
nce 181:760-1, 24 Aug 73
tions in the concentrations of androstenedione in
ipheral plasma of women the day and during the
nstrual cycle. Lobotsky J, et al.
roids 22:133-7, Jul 73
structural observations of gonadotrophin release
ats treated neonatally with testosterone. Shiino M,
al. Tex Rep Biol Med 31:215-28, Summer 73
ct of clomiphene citrate on FSH and LH levels in 4
s of hypogonadism with hyposmia or anosmia]
caire H, et al.
Endocrinol (Paris) 33:622-8, Nov-Dec 72 (Eng.
tr.) (Fre)
cts of TSH releasing factor (TRH) and LH
asing factor (LH-RH) in hypopituitarism]
ussain JL, et al.
Med Interne (Paris) 123:1041-6, Dec 72 (Fre)
rference of antigenic sites common to FSH and to
blood orosomucoid in the radioimmunological determination of ovine blood FSH] Dubois MP, et al.
C R Acad Sci [D] (Paris) 276:2461-4, 25 Apr 73 (Fre)

[Alterations of the interstitial latero-dorsal hypothalamic nucleus in female albino guinea pigs during the prepubescent growth phase of the ovary] Barry J. C R Soc Biol (Paris) 166:1720-3, 1972 (Fre)

[Effect of castration on blood levels of FSH and LH in rabbits] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:1649-54, 1972 (Fre)

[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)

[Present problems raised by essential precocious puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May 73 (Fre)

[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)

[Induction and promotion of ovulation with single intramuscular injection of LH-RH] Nakamura Y, et al.
Clin Endocrinol (Tokyo) 21:607-14, Jun 73 (Jap)

[Fluctuation of serum HFSH values determined by radioimmunoassay, with special reference to anti-HFSH serum] Sato N.
Clin Endocrinol (Tokyo) 21:299-302, Mar 73 (Jap)

[New modification of the radioimmunoassay for human prolactin. I] Tamura S, et al.
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abstr.) (Jap)

[Acromegaly, adrenal cortex hyperfunction and galactorrhea (report of a case)] Gómez Vargas E, et al.
Rev Invest Clin 25:181-7, Apr-Jun 73 (Eng. Abstr.) (Spa)

[Mechanism of action of cuneiform resection of the ovaries in a patient with Stein-Leventhal syndrome: effect of gonadotropin secretion] Zárate A, et al.
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Purification and some properties of human urinary follicle stimulating hormone. Okumura H, et al.
Endocrinol Jap 20:97-101, Apr 73

METABOLISM

Interaction of prostaglandins and LH-RH in vitro. Babej M, et al. Acta Endocrinol [Suppl] (Kbh) 173:81, 1973

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fre)

Evidence for LH and FSH binding protein(s) in human and rat serum. Rajaniemi H, et al.
Horm Metab Res 5:261-6, Jul 73

Kinetic studies with 125I-labelled follicle-stimulating hormone. Butt WR, et al.
J Endocrinol 58:275-87, Aug 73

Progestin production in vitro by rabbit granulosa cells as an assay for luteinizing hormone. Shirley A, et al.
J Endocrinol 58:345-6, Aug 73

Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. Hipkin LJ. J Reprod Fertil 34:175-7, Jul 73

Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

Binding of human LH to particulate fraction of rat testis: disparity in LH:IRP equipotency ratios in immuno-and ligand assay. Schneider B, et al.
Metabolism 22:1225-33, Sep 73

Pituitary follicle-stimulating hormone activity in rats treated with apomorphine, pimozide and drugs that modify catecholamine levels. Choudhury SA, et al.
Neuroendocrinology 12:272-83, 1973

[Morphological and biochemical characteristics of spermatogenesis] Vanha-Perttula T.
Duodecim 89:615-32, 1973 (67 ref.) (Eng. Abstr.) (Fin)

[Receptor of gonadotropin] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) (Jap)

LIBRARY U. OF L. URBANA-CHAMPAIGN

PHARMACODYNAMICS

In vitro sterol and steroid synthesis by ovaries of hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al. **Acta Endocrinol (Kbh) 73:321-34, Jun 73**

Effects of ACTH and its synthetic analogues on water balance in rats. Tanaka A, et al. **Endocrinol Jap 20:39-49, Feb 73**

Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril 24:677-86, Sep 73**

Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al. **Fertil Steril 24:633-9, Aug 73**

The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al. **Gen Comp Endocrinol 21:202-9, Aug 73**

Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al. **J Reprod Fertil [Suppl] 18:15-22, Jul 73**

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med 143:656-60, Jul 73**

Effects of immunizing turkeys with ovine luteinizing hormone. YoungLai EV. **Steroids Lipids Res 4:6-10, 1973**

[Experimental studies on estrus synchronization in sheep] Nöldner H, et al. **Arch Exp Veterinaermed 26:1019-29, Dec 72 (Eng. Abstr.) (Ger)**

[Estrus induction using gonadotropins in sheep] Sachse KH. **Arch Exp Veterinaermed 26:1013-8, Dec 72 (Eng. Abstr.) (Ger)**

[Estrus synchronisation in gilts with TURISYNCHRON-Z] Stahl U, et al. **Arch Exp Veterinaermed 26:963-8, Dec 72 (Eng. Abstr.) (Ger)**

PHYSIOLOGY

The gonadotropin receptor of the human corpus luteum. Cole FE, et al. **Am J Obstet Gynecol 117:87-95, 1 Sep 73**

Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. **Folia Endocrinol (Roma) 26:180-8, Jun 73**

Pituitary and ovarian mechanisms in implantation. Bindon BM. **J Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)**

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl] 18:1-13, Jul 73 (54 ref.)**

Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al. **Metabolism 22:1003-11, Aug 73 (83 ref.)**

[Alterations of the interstitial latero-dorsal hypothalamic nucleus in female albino guinea pigs during the prepubescent growth phase of the ovary] Barry J. **C R Soc Biol (Paris) 166:1720-3, 1972 (Fre)**

SECRETION

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al. **Acta Endocrinol [Suppl] (Kbh) 173:116, 1973**

Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion. Zárate A, et al. **Am J Obstet Gynecol 116:1121-3, 15 Aug 73**

Pituitary gonadotropins, structure, control and clinical applications. Franchimont P. **Clin Sci 44:1P-2P passim, Feb 73**

Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV. **Clin Sci 44:1P passim, Feb 73**

Changes in FSH, LH and prolactin secretion during estrous cycle in rats. Taya K, et al. **Endocrinol Jap 20:199-205, Apr 73**

Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. **Endocrinol Jap 20:103-10, Apr 73**

In vitro studies of pituitary-median eminence unit. Miyachi Y, et al. **Endocrinology 93:492-6, Aug 73**

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et **Endocrinology 93:893-902, Oct 73**

Pituitary response to gonadotropin-releasing hormo (Gn-RH) stimulation in normal subjects. Lafuenti et al. **Folia Endocrinol (Roma) 26:180-8, Jun**

Effect of testosterone on the LH and FSH rele induced by LH-releasing factor (LRF) in normal m Mühlen A von zur, et al. **Horm Metab Res 5:266-70, Jul 73**

Episodic luteinizing hormone secretion in man. Pu analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al. **J Clin Invest 52:2617-28, Oct 73**

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonna **J Endocrinol 58:xxxivxxv, Aug 73**

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormon Marshall JC, et al. **J Endocrinol 58:33-4, Aug**

Chemistry of releasing hormones. Sandow J. **J Endocrinol 58:32-3, Aug 73**

Polypeptide antagonists of the hypothalamic luteinizing hormone releasing factors. Guillemin al. **J Reprod Fertil [Suppl] 18:23-30, Jul 7**

Action of growth-hormone-release inhibitory horm in healthy men and in acromegaly. Hall R, et **Lancet 2:581-4, 15 Sep 73**

Inappropriate secretion of LH in the Stein-Leven syndrome. Gambrell RD Jr, et al. **Obstet Gynecol 42:429-40, Sep 73**

Lutenizing hormone, follicle stimulating hormone, growth hormone secretion in normal adult men du sleep and dreaming. Rubin RT, et al. **Psychosom Med 35:309-21, Jul-Aug 73**

[Hypothalamic monoamines during lactation in go hamsters] Hermand E. **C R Soc Biol (Paris) 166:1716-20, 1972**

[Gonadotropic secretion during normal and del puberty] Franchimont P, et al. **Probl Actuels Endocrinol Nutr 16:129-40, 3 Ma**

[Current views and prospects about the interac between catecholamines and sex hormones in regulation of the secretion of gonadotropi Annunziato L. **Folia Endocrinol (Roma) 26:217-28, Jun 73** Abstr.)

[LH-RH-induced gonadotropin release and its cli study] Saito K, et al. **Clin Endocrinol (Tokyo) 21:373-8, Apr 73**

[Study, with trichromic methods, of the hypophy the normal female guinea pig after the ingesti clomiphene citrate] Martín Alvarez P. **Acta Obstet Ginecol Hisp Lusit 21:49-63, Mar 73**

THERAPEUTIC USE

The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated gonadotrophins. Crooke AC, et al. **J Obstet Gynaecol Br Commonw 80:745-9, A**

Caveat to protein replacement therapy for g disease. Immunological implications of acc molecular diagnosis. Boyer SH, et al. **Lancet 2:654-9, 22 Sep 73**

URINE

Studies on sustained contraceptive effects subcutaneous polydimethylsiloxane implants Maintenance of ovarian function in patients megestrol acetate implants. Benagiano G, **Acta Endocrinol (Kbh) 73:347-59, Jun 73**

Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase defici Knorr D, et al. **Acta Endocrinol [Suppl] (Kbh) 173:37, 19**

Radioimmunosorbent assay of follicle-stimul hormone and luteinizing hormone in serum and from men and women. Wide L, et al. **Acta Endocrinol [Suppl] (Kbh) 174:3-58,**

Effect of synthetic luteinizing hormone-rel hormone (LH-RH) on the release of gonadotro hypophyso-gonadal disorders of children adolescents. II. Precocious puberty and pre thelarche. Job JC, et al. **Biomedicine [Express] 19:77-81, 10 Feb 7**

Purification and some properties of human

icle stimulating hormone. Okumura H, et al.
ocrinol Jap 20:97-101, Apr 73
ical gonadal dysgenesis. A clinical and
genetical report of three patients. Calverley MH, al.
stet Gynaecol Br Commonw 80:735-44, Aug 73
ct of radioassay techniques on the field of sex mones. Franchimont P, et al.
abolism 22:1003-11, Aug 73 (83 ref.)
dotropin and steroid hormone excretion in hoblastic neoplasia. Ishizuka N, et al.
tet Gynecol 42:1-11, Jul 73
us of hormonal excretion and hormonal effects of pha-methyl-5-alpha-androsten-17-beta-ol-3-on sterolon in women)] Abrahamsson L, et al.
h Gynaekol 215:157-69, 25 Jun 73 (Eng. Abstr.) (Ger)
ulatory diagnosis of cycle disorders] Stojanov S, l. Z Aerztl Fortbild (Jena) 67:31-3, 1 Jan 73 (Ger)

NADOTROPINS

ADMINISTRATION & DOSAGE

ale sex hormones] Nakayama T.
Endocrinol (Tokyo) 20:819-20, Oct 72 (Jap)
dotropic effectiveness of gravohormone] remisinov GA, et al.
erinarila 4:88-91, Apr 72 (Rus)

ADVERSE EFFECTS

ale sex hormones] Nakayama T.
Endocrinol (Tokyo) 20:819-20, Oct 72 (Jap)

ANALYSIS

tification and titration of therapeutically used dotropins by immunological methods. IV. Some parations of altered gonadotropins. General clusions] Beys-L'Hoest B.
harm Belg 27:755-66, Nov-Dec 72 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

ration of some 7-oxaandrostane derivatives. arie RW, et al. J Med Chem 16:257-62, Mar 73
hesis and experimental findings on the ogenic, antigonadotropic and fertility-inhibiting vity of
ta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold et al. Pharmazie 28:371-6, Jun 73 (Ger)

BLOOD

gen-androgen imbalance in hepatic cirrhosis. les in 13 male patients. Chopra IJ, et al.
Intern Med 79:198-203, Aug 73
l testicular dysgenesis and 46,XY-47,XXY aicism. Frajese G, et al. Clin Genet 4:130-3, 1973
ation of human gonadotropins. XI. Hormonal iles in normal and infertile women treated with dotropins. Snyder DL, et al.
il Steril 24:706-14, Sep 73
immunoassay estimates of plasma gonadotropin ls in the spawning pink salmon. Crim LW, et al.
Comp Endocrinol 21:69-76, Aug 73
minary observations on the effects of luteinizing none releasing factor and oestradiol-17beta on ma gonadotrophin levels in the anoestrous ewe. ons AM, et al. J Endocrinol 58:12-3, Jul 73
ropriate secretion of LH in the Stein-Leventhal drome. Gambrell RD Jr, et al.
et Gynecol 42:429-40, Sep 73
age from childhood to adolescence. 3. Hormonal ct] Bertrand J.
l Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)

METABOLISM

cular function and morphology in rabbits owing active immunization with testosterone or adiol. Nieschlag E, et al.
Endocrinol [Suppl] (Kbh) 173:116, 1973
cretion after synthetic LH-RH in the male under nal and pathological conditions. Schulz F, et al.
Endocrinol [Suppl] (Kbh) 173:93, 1973

Changes in fetal steroid metabolism with age. Villee DB. Clin Pharmacol Ther 14:705-13, Jul-Aug 73
[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)
[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)
[Receptor of gonadotropin] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) (Jap)

PHARMACODYNAMICS

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73
Autoradiographic studies of gonadotrophin action on germ cell maturation rate. Hunter JD.
J Endocrinol 58:133-4, Jul 73
Haematological changes in pregnancy following ovulation-induction therapy. Good W, et al.
J Obstet Gynaecol Br Commonw 80:486-90, Jun 73
Biochemical changes in pregnancies following ovulation-induction therapy. Macdonald HN, et al.
J Obstet Gynaecol Br Commonw 80:481-5, Jun 73
Physiological aspects of human ovulation, fertilization and cleavage. Edwards RG.
J Reprod Fertil [Suppl] 18:87-101, Jul 73 (102 ref.)
Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. Proc Soc Exp Biol Med 143:656-60, Jul 73
The genetics of early human development. Fowler RE, et al. Prog Med Genet 9:49-112, 1973 (236 ref.)
Induction of ovulation with gonadotropins. Katz M, et al. S Afr Med J 47:1272-80, 28 Jul 73
[Course and control of sexual development in female swine. 3. Induction of ovulation and the isolation of ova in female swine of the German Land breed at the age of 15 weeks] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:294-7, 1 Jun 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Radioimmunoassay estimates of plasma gonadotropin levels in the spawning pink salmon. Crim LW, et al.
Gen Comp Endocrinol 21:69-76, Aug 73
Gonadotrophins in the ovine oestrous cycle. Goding JR, et al. J Reprod Fertil [Suppl] 18:31-7, Jul 73
Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. Proc Soc Exp Biol Med 143:656-60, Jul 73

SECRETION

On the neurosecretory centres in the hypothalamus and their relationship in reproduction in Tor (Barbus) tor (Ham.). Rai BP. Acta Anat (Basel) 85:429-33, 1973
Gonadotrophin release from human foetal pituitary cultures induced by fragments of the luteinizing hormone-releasing hormone. Groom GV, et al.
FEBS Lett 33:57-60, 15 Jun 73
[Application of tissue culture to the study of ectopic hormone producing tumors] Shimosato S, et al.
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref.) (Jap)
[Current topics on cerebral amines: with special reference to the topics at the symposium at the annual meeting of Endocrinology Society] Ito S.
Jap J Clin Med 31:2118-21, Jun 73 (13 ref.) (Jap)
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al.
Ter Arkh 44:108-11, Nov 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Relationship between the serum thyrotropin level and the responsiveness to gonadotropin therapy in anovulatory women. Seki M, et al.
Acta Obstet Gynaecol Jap 19:94-6, Apr 72
Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Snyder DL, et al.
Fertil Steril 24:706-14, Sep 73
Haematological changes in pregnancy following

GONADOTROPINS

ovulation-induction therapy. Good W, et al.
J Obstet Gynaecol Br Commonw 80:486-90, Jun 73
Biochemical changes in pregnancies following ovulation-induction therapy. Macdonald HN, et al.
J Obstet Gynaecol Br Commonw 80:481-5, Jun 73
Induction of ovulation with gonadotropins. Katz M, et al.
S Afr Med J 47:1272-80, 28 Jul 73
[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)
[School problems and endocrine glands] Lederer J.
Probl Actuels Endocrinol Nutr 16:321-38, 3 May 73 (Fre)
[Gonadotropin therapy from the viewpoint of gynecologic office practice] Denzler U.
Geburtshilfe Frauenheilkd 33:581-3, Jul 73 (Eng. Abstr.) (Ger)
[Gonadotropic therapy after failure of clomiphen] Zakut H, et al.
Harefuah 84:470-3, 1 May 73 (Eng. Abstr.) (Heb)
[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 (Jap)

URINE

Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al.
Acta Paediatr Acad Sci Hung 13:359-65, 1972
Improvement of adult height prognosis in precocious puberty by cyproterone acetate. Bossi E, et al.
Acta Paediatr Scand 62:405-12, Jul 73
Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al.
Am J Obstet Gynecol 117:75-9, 1 Sep 73
Glucagon-initiated human growth hormone release: a comparative study. Cain JP, et al.
Can Med Assoc J 107:617-22, 7 Oct 72
Digoxin and abnormal serum hormone levels. Stoffer SS, et al. **JAMA 225:1643-4, 24 Sep 73**
Further results of stereotaxis in the human hypothalamus in sexual deviations. First use of this operation in addiction to drugs. Müller D, et al.
Neurochirurgia (Stuttg) 16:113-26, Jul 73
[Urinary excretion of gonadotropins in 1-2-year-old children] Carletti B, et al.
Minerva Pediatr 25:866-7, 1973 (Cze)
[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)
[Present problems raised by essential precocious puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May 73 (Fre)
[Puberty retardation in males and females] Vague J, et al.
Probl Actuels Endocrinol Nutr 16:121-8, 3 May 73 (Fre)

GONADOTROPINS, PITUITARY

Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. **Fertil Steril 24:618-32, Aug 73**
Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

ADMINISTRATION & DOSAGE

Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. **Fertil Steril 24:618-32, Aug 73**

ANALYSIS

Determination of the distribution of luteinizing hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay. Firth JA, et al.
J Endocrinol 58:347-8, Aug 73

BLOOD

Plasma gonadotropin and ovarian steroid levels
uterovaginal atresia. A case report. D'Alberton A, al. **Am J Obstet Gynecol 117:389-91, 1 Oct**
Effects of electrical stimulation of the brain on seru
and pituitary concentrations of gonadotropin in t
estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fr
Double-antibody solid-phase radioimmunoassays
gonadotropins in serum. Seki K, et al.
Endocrinol Jap 20:121-7, Apr 73
Further studies on the luteotropic action of estrogen
rats. Uchida K, et al. **Endocrinol Jap 20:103-10, Apr**
Action of growth-hormone-release inhibitory hormo
in healthy men and in acromegaly. Hall R, et
Lancet 2:581-4, 15 Sep 73
[Endocrinological and clinical findings following
administration of estriol in small animals] Oettel M, al.
Arch Exp Veterinaermed 26:1053-60, Dec 72 (E Abstr.) (G

DIAGNOSTIC USE

[Ambulatory diagnosis of cycle disorders] Stojanov et al. **Z Aerztl Fortbild (Jena) 67:31-3, 1 Jan 73 (G**

ISOLATION & PURIFICATION

[Study of a preparation of human growth hormone gonadotropin fraction for clinical use] Bailly du M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abs (F

METABOLISM

Interaction of prostaglandins and LH-RH in vitro. Ba
M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:81,**
LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al.
Acta Endocrinol [Suppl] (Kbh) 173:89, 1973
Effects of electrical stimulation of the brain on se
and pituitary concentrations of gonadotropin in estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (
[Endocrinological studies on parabiotic rats TURISYNCHRON (Metalibur) and TURISYNCHRON-Z. 1. Findings in intact parabio
Oettel M, et al.
Arch Exp Veterinaermed 26:939-47, Dec 72 (Abstr.) (
[Endocrinological studies on parabiontic rats TURISYNCHRON (Mallibur) and TURISYNCHRON-Z. 2. Effect on total gonadotr activity of the pituitary of the parabiont] Stölzne et al.
Arch Exp Veterinaermed 26:949-55, Dec 72 (Abstr.) (

PHYSIOLOGY

Nature, role and control of the gonadotrophins. G
RO. **J Reprod Fertil [Suppl] 18:1-13, Jul 73 (54**

SECRETION

Further studies on the luteotropic action of estrog
rats. Uchida K, et al. **Endocrinol Jap 20:103-10, A**
Effects of sexual hormones on gonadotrophin secr
in prepuberal female rats. Scacchi P, et
Experientia 29:877-8, 1973
Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormo
Marshall JC, et al. **J Endocrinol 58:33-4, Au**
Ultrastructural observations of gonadotrophin re
in rats treated neonatally with testosterone. Shi
et al. **Tex Rep Biol Med 31:215-28, Summ**
[Gonadotropic secretion during normal and de puberty] Franchimont P, et al.
Probl Actuels Endocrinol Nutr 16:129-40, 3 M

[Diagnosis and ovulation induction with LH
Mizuguchi H, et al.
Clin Endocrinol (Tokyo) 21:365-72, Apr 73
[LH-RH-induced gonadotropin release and its c study] Saito K, et al.
Clin Endocrinol (Tokyo) 21:373-8, Apr 73

LIBRARY U. OF L. URBANA-CHAMPAIGN

THERAPEUTIC USE

udy of a preparation of human growth hormone and
nadotropin fraction for clinical use] Bailly du Bois
. et al.
n Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.)
(Fre)

URINE

roterone acetate in the treatment of infantile
renogenital syndrome with precocious puberty.
yer J, et al.
ta Endocrinol [Suppl] (Kbh) 173:169, 1973
mary amenorrhea: a simplified approach to
agnosis. Gilson MD, et al.
n J Obstet Gynecol 117:400-6, 1 Oct 73
mary amenorrhoea. A study based on clinical
amination, chromosomal analysis, endocrine assay
d laparoscopy. Khoo SK, et al.
ed J Aust 2:991-6, 28 Oct 72
odus of hormonal excretion and hormonal effects of
lpha-methyl-5-alpha-androsten-17-beta-ol-3-on
esterolon in women)] Abrahamsson L, et al.
eh Gynaekol 215:157-69, 25 Jun 73 (Eng. Abstr.)
(Ger)
nbulatory diagnosis of cycle disorders] Stojanov S,
al. Z Aerztl Fortbild (Jena) 67:31-3, 1 Jan 73 (Ger)

ect of synthetic luteinizing hormone- and follicle
mulating hormone-releasing hormone
H-FSH-RH) on serum levels of LH, FSH,
yrotrophin (TSH) and growth hormone (HGH) in
rmal male subjects. Haug E, et al.
ta Endocrinol (Kbh) 73:465-74, Jul 73
uence of steroid hormones on the response to
-RH in the eye-ovary-transplant of the rabbit.
ndow J, et al.
ta Endocrinol [Suppl] (Kbh) 173:82, 1973
ma prolactin levels in the male rat after pituitary
jection of LH-RH. Sandow J, et al.
ta Endocrinol [Suppl] (Kbh) 173:85, 1973
itary reserve capacity and pituitary responsiveness
LH-RH during the estrus cycle in sheep. Sandow J,
al. Acta Endocrinol [Suppl] (Kbh) 173:84, 1973
ivities of enzymes responsible for steroid
osynthesis and cholesterol ester metabolism in
bbit ovarian interstitial tissue and corpora lutea. A
mparison of enzyme activities with flow rates. Flint
', et al. Biochem J 132:301-11, Feb 73
ect of synthetic luteinizing hormone-releasing
rmone (LH-RH) on the release of gonadotropins in
pophyso-gonadal disorders of children and
olescents. II. Precocious puberty and premature
larche. Job JC, et al.
omedicine [Express] 19:77-81, 10 Feb 73
e interval between injection of estradiol benzoate
d LH release in the rat and effect of actinomycin D
cycloheximide. Jackson GL.
docrinology 93:887-92, Oct 73
release following steroid administration in
riectomized rats. Legan SJ, et al.
docrinology 93:781-5, Oct 73
els of serum LH in rhesus monkeys after
rapituitary infusion of synthetic LH-RH or median
inence extracts. Spies HG, et al.
docrinology 93:814-21, Oct 73
adotrophin release from human foetal pituitary
ltures induced by fragments of the luteinizing
rmone-releasing hormone. Groom GV, et al.
BS Lett 33:57-60, 15 Jun 73
RH interaction with the pituitary plasma
embrane. Spona J. FEBS Lett 34:24-6, 1 Aug 73
ological changes on rabbit pituitary after endogenous
nadotropin neutralization by antibodies. Von
rzewitsch I, et al. Fertil Steril 24:618-32, Aug 73
m LH levels in bulls treated with synthetic
einizing hormone-releasing hormone-follicle
mulating hormone-releasing hormone
H-RH-FSH-RH). Golter TD, et al.
Anim Sci 37:123-7, Jul 73
tivation of melanocyte-stimulating hormone
ease-inhibiting factor by a manganese-stimulated
vine brain aminopeptidase. Simmons WH, et al.
Biol Chem 248:5780-4, 25 Aug 73
eptide inhibitor of luteinizing hormone-releasing
rmone (LH-RH). Coy DH, et al.
Clin Endocrinol Metab 37:331-3, Aug 73

Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LRH) in patients with active acromegaly. Faglia G, et al.
J Clin Endocrinol Metab 37:338-40, Aug 73
Preparation of antisera to luteinizing hormone releasing factor. Jeffcoate SL, et al.
J Endocrinol 58:xix, Jul 73
Effect of antiserum to ovine luteinizing hormone on uterine cell division during early pregnancy in mice. Munshi SR, et al. J Endocrinol 58:123-4, Jul 73
Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. J Med Chem 16:827-9, Jul 73
[Characteristics and topography of immunoreactive hypothalamic neurons with antibodies against synthetic LRF] Barry J, et al.
C R Acad Sci [D] (Paris) 276:3191-3, 13 Jun 73 (Fre)
[Luteogenesis in ovaro-deferential graft in castrated male rats] Anthonioz P.
C R Soc Biol (Paris) 166:1804-7, 1972 (Fre)
[Induction and promotion of ovulation with single intramuscular injection of LH-RH] Nakamura Y, et al.
Clin Endocrinol (Tokyo) 21:607-14, Jun 73 (Jap)

ADMINISTRATION & DOSAGE

Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion. Zárate A, et al. Am J Obstet Gynecol 116:1121-3, 15 Aug 73
Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73
The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al.
Gen Comp Endocrinol 21:202-9, Aug 73
Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al.
J Reprod Fertil [Suppl] 18:15-22, Jul 73
Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. Prostaglandins 3:399-404, Apr 73

ANALYSIS

Properties of human pituitary and urinary LH. Graesslin D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:56, 1973
Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973
Species differences in luteinizing hormone as infered from slope variations in a radioligand receptor assay. Leidenberger F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:61, 1973
Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Leyendecker G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:62, 1973
Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone. Schams D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:60, 1973
Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Wide L, et al.
Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973
Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins. Wildt L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:57, 1973
Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters. Reiter RJ.
Ann Endocrinol (Paris) 33:571-81, Nov-Dec 72
Human luteinizing hormone and its subunits. Physical and chemical characterization. Bishop WH, et al.
Biochemistry 12:3076-84, 31 Jul 73
Human luteinizing hormone. The amino acid sequence of the subunit. Closset J, et al.
FEBS Lett 29:97-100, 15 Jan 73
Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Nicholls TJ, et al.
Gen Comp Endocrinol 21:84-98, Aug 73
Determination of the distribution of luteinizing

hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay. Firth JA, et al.
J Endocrinol 58:347-8, Aug 73
A new bioassay for luteinizing hormone. Rees LH, et al.
J Endocrinol 58:18, Jul 73
Progestin production in vitro by rabbit granulosa cells as an assay for luteinizing hormone. Shirley A, et al.
J Endocrinol 58:345-6, Aug 73
Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)
[Radioimmunological determination of human luteinizing hormone (HLH), using a double antibody method] Klepsch I, et al.
Stud Cercet Endocrinol 24:335-43, 1973 (Rum)

ANTAGONISTS & INHIBITORS

Experiments with LH and prolactin antisera and a prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in the bovine. Hoffmann B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:39, 1973
Binding of human LH to particulate fraction of rat testis: disparity in LH:IRP equipotency ratios in immuno-and ligand assay. Schneider B, et al.
Metabolism 22:1225-33, Sep 73

BIOSYNTHESIS

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973
Gonadotropin levels in lactating rats: effect of ovariectomy. Ford JJ, et al.
Endocrinology 93:540-7, Sep 73
Influence of alpha- and beta-subunits on the kinetics of formation and activity of native and hybrid molecules of LH and human chorionic gonadotropin. Reichert LE Jr, et al. **Endocrinology** 93:938-46, Oct 73
Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Nicholls TJ, et al.
Gen Comp Endocrinol 21:84-98, Aug 73
Do prostaglandins stimulate LH release and thereby cause luteolysis? Labhsetwar AP.
Prostaglandins 3:729-32, May 73

BLOOD

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73
Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al.
Acta Endocrinol (Kbh) 73:465-74, Jul 73
Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73
Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Sand T, et al.
Acta Endocrinol (Kbh) 73:444-54, Jul 73
The effect of intravenous L-dopa on growth hormone and luteinizing hormone levels in man. Souvatzoglou A, et al. **Acta Endocrinol (Kbh)** 73:259-65, Jun 73
Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 73
Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al.
Acta Endocrinol (Kbh) 73:396-406, Jun 73
Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al.
Acta Endocrinol (Kbh) 73:455-64, Jul 73
Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973
LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al.
Acta Endocrinol [Suppl] (Kbh) 173:89, 1973
Induction and maintenance of pregnancy without ri in serum prolactin in rats. Doehler KD, et a
Acta Endocrinol [Suppl] (Kbh) 173:45, 1973
Response of plasma LH in male pigs to synthet LH-FSHRH. Ellendorff F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:83, 1973
Plasma LH, testosterone and DHT in the pig from birt to sexual maturity. Elsaesser F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:148, 1973
The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in t male. Kley HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:92, 1973
The application of synthetic LRF and TRF in combined function test in patients with pituita tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
The diagnostic use of synthetic LH-RH (HOE 471) women with normal and disturbed menstrual functi and under treatment with sex-steroids. Robyn C, et
Acta Endocrinol [Suppl] (Kbh) 173:88, 1973
Hormonal response to multiple stimulation wi synthetic luteinizing hormone-releasing hormo (LH-RH) in amenorrhoic women. Römmler A, et
Acta Endocrinol [Suppl] (Kbh) 173:87, 1973
Effect of alpha-MSH on plasma LH, progesterone a cortisol during the luteal phase of the menstr cycle. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:41, 1973
LH-secretion after synthetic LH-RH in the male unc normal and pathological conditions. Schulz F, et
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973
The functional significance of "episodic" LH secreti Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973
The effect of intravenously infused synthetic LRH LH, testosterone and dihydrotestosterone in plasma of normal male subjects. Tamm J, et
Acta Endocrinol [Suppl] (Kbh) 173:91, 1973
Radioimmunosorbent assay of follicle-stimulati hormone and luteinizing hormone in serum and ur from men and women. Wide L, et al.
Acta Endocrinol [Suppl] (Kbh) 174:3-58, 197
ICSH(LH) and FSH levels in plasma after administration of LH-RH in impaired gonad function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973
Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins. Wildt L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:57, 1973
Effects of pentobarbital and urethane on prolactin, and FSH release during proestrus and earl pseudopregnancy in rats. Wuttke W.
Acta Endocrinol [Suppl] (Kbh) 173:40, 1973
Turner syndrome with partial deletion of the chromosome long arm. Lippe BM, et al.
Am J Dis Child 126:222-4, Aug 73
Induction of premature menstruation with anab steroids. Bolch OH Jr, et al.
Am J Obstet Gynecol 117:121-5, 1 Sep 73
The effect of vaginally administered prostagla F2alpha on corpus luteum function. Bolognese R al. **Am J Obstet Gynecol** 117:240-5, 15 Sep
Daily serum follicle-stimulating hormone, luteini hormone, and plasma testosterone and androstenedione in hirsute women with polyc sclerotic ovaries: effects of diethylstilbestrol norethindrone acetats. Daane TA, et al.
Am J Obstet Gynecol 117:392-9, 1 Oct 73
Plasma gonadotropin and ovarian steroid level uterovaginal atresia. A case report. D'Alberton al. **Am J Obstet Gynecol** 117:389-91, 1 Oct
Clinical and metabolic features of anorexia ner Warren MP, et al.
Am J Obstet Gynecol 117:435-49, 1 Oct 73
Estrogen-androgen imbalance in hepatic cirrh Studies in 13 male patients. Chopra IJ, e
Ann Intern Med 79:198-203, Aug 73
A new familial syndrome with ataxia, hearing loss mental retardation. Report of three brothers. Be W, et al. **Arch Neurol** 29:258-61, Oct 73
Changes in the levels of progesterone, corticoste estrone, estradiol-17 beta, luteinizing hormone prolactin in the peripheral plasma of the ewe d late pregnancy and at parturition. Chamley WA,
Biol Reprod 9:30-5, Aug 73
Constancy of interval between luteinizing hor

LIBRARY U. OF L. URBANA-CHAMPAIGN

lease and ovulation in the ewe. Cumming IA, et al.
ol Reprod 9:24-9, Aug 73
ect of synthetic luteinizing hormone-releasing
rmone (LH-RH) on the release of gonadotropins in
pophyso-gonadal disorders of children and
olescents. II. Precocious puberty and premature
elarche. Job JC, et al.
omedicine [Express] 19:77-81, 10 Feb 73
effect of the mouse X-linked Testicular
minization mutation on the hypothalamus-pituitary
is. I. Paradoxical effect of testosterone upon
tuitary gonadotrophs. Itakura H, et al.
n Genet 4:91-7, 1973
ects of electrical stimulation of the brain on serum
d pituitary concentrations of gonadotropin in the
trogenized rat. Kawakami M, et al.
docrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fre)
able-antibody solid-phase radioimmunoassays for
nadotropins in serum. Seki K, et al.
docrinol Jap 20:121-7, Apr 73
nges in FSH, LH and prolactin secretion during
trous cycle in rats. Taya K, et al.
docrinol Jap 20:199-205, Apr 73
ther studies on the luteotropic action of estrogen in
ts. Uchida K, et al. Endocrinol Jap 20:103-10, Apr 73
erfusion of hemipituitaries with portal blood. I.
RF secretion in castrated and diestrous rats.
n-Jonathan N, et al.
docrinology 93:497-503, Aug 73
ects of preoptic electrical stimulation on pituitary
H release following interruption of components of
e preoptico-tuberal pathway in rats. Cramer OM, et
Endocrinology 93:369-76, Aug 73
ponse of the rabbit seminiferous epithelium to
stosterone administered via polydimethylsiloxane
psules. Desjardins C, et al.
docrinology 93:450-60, Aug 73
quantitative relationship between electrochemical
eoptic stimulation and LH release in proestrous
rsus late-diestrous rats. Everett JW, et al.
docrinology 93:947-53, Oct 73
ct of synthetic TRF on prolactin release in the
eep. Fell LR, et al. Endocrinology 93:487-91, Aug 73
adotropin levels in lactating rats: effect of
ariectomy. Ford JJ, et al.
docrinology 93:540-7, Sep 73
in gonadotropin and testosterone levels during
s and recovery of spermatogenesis in rats. Gomes
R, et al. Endocrinology 93:800-9, Oct 73
e interval between injection of estradiol benzoate
d LH release in the rat and effect of actinomycin D
cycloheximide. Jackson GL.
docrinology 93:887-92, Oct 73
ct of drugs modifying catecholamine synthesis on
H release induced by preoptic stimulation in the rat.
ira SP, et al. Endocrinology 93:356-62, Aug 73
ations in the release of LH in response to
ctrochemical stimulation of preoptic area and of
dial basal hypothalamus during the estrous cycle of
rat. Kalra SP, et al. Endocrinology 93:665-9, Sep 73
analysis of the negative feedback control of
adotropin secretion utilizing chronic implantation
ovarian steroids in ovariectomized rhesus monkeys.
rsch FJ, et al. Endocrinology 93:478-86, Aug 73
estrogen-induced advance in the cyclic LH surge in
rat: dependency on ovarian progesterone
retion. Krey LC, et al.
docrinology 93:385-90, Aug 73
release following steroid administration in
ariectomized rats. Legan SJ, et al.
docrinology 93:781-5, Oct 73
of estrogen and progesterone in facilitating LH
ease in 4-day cyclic rats. Mann DR, et al.
docrinology 93:694-9, Sep 73
releasing activity of p-Glu-His-Trp-NH2 and
Glu-His-Trp. Mecklenburg RS, et al.
docrinology 93:993-7, Oct 73
nges in serum prolactin and gonadotropins during
ual development of the male rat. Negro-Vilar A, et
Endocrinology 93:660-4, Sep 73
ence for changes in sensitivity to testosterone
gative feedback on gonadotropin release during
ual development in the male rat. Negro-Vilar A, et
Endocrinology 93:729-35, Sep 73
ogen-dependent 24-hour periodicity in pituitary
release in the female hamster. Norman RL, et al.
docrinology 93:965-70, Oct 73
gonadotropin-primed rat: a model for testing
nts that influence steroid biosynthesis. Sherwood
, et al. Endocrinology 93:723-8, Sep 73

Circulating levels of plasma gonadotropins in 4- and 5-day cycling rats. Smith ER, et al. Endocrinology 93:756-8, Sep 73

Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts. Spies HG, et al. Endocrinology 93:814-21, Oct 73

Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Snyder DL, et al. Fertil Steril 24:706-14, Sep 73

Pituitary-gonadal rhythms in the eugonadal adult male. Wieland RG, et al. Fertil Steril 24:644-7, Aug 73

Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al. Folia Endocrinol (Roma) 25:127-34, Apr 72

Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. Folia Endocrinol (Roma) 26:180-8, Jun 73

Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Nicholls TJ, et al. Gen Comp Endocrinol 21:84-98, Aug 73

Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al. Horm Metab Res 5:266-70, Jul 73

Evidence for LH and FSH binding protein(s) in human and rat serum. Rajaniemi H, et al. Horm Metab Res 5:261-6, Jul 73

The effect of synthetic luteinizing hormone-releasing hormone on blood levels of luteinizing hormone and follicle stimulating hormone in Klinefelter patients. Lundberg PO, et al. Int J Fertil 18:97-100, 1973

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al. Int J Fertil 18:65-73, 1973

Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH). Golter TD, et al. J Anim Sci 37:123-7, Jul 73

Effects of various mating stimuli on the LH surge and ovulation time following synchronization of estrus in the bovine. Randel RD, et al. J Anim Sci 37:128-30, Jul 73

Serum levels of luteinizing hormone, follicle-stimulating hormone and progesterone throughout the mentrual cycle of rhesus monkeys. Niswender GD, et al. J Clin Endocrinol Metab 37:326-8, Aug 73

Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et al. J Clin Endocrinol Metab 37:190-6, Aug 73

Luteinizing hormone-releasing factor (LRF) in plasma of postmenopausal women. Seyler LE Jr, et al. J Clin Endocrinol Metab 37:197-203, Aug 73

Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe JH, et al. J Clin Invest 52:1972-8, Aug 73

Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al. J Clin Invest 52:2617-28, Oct 73

A radioimmunoassay for canine luteinizing hormone. Boyns AR, et al. J Endocrinol 58:xx, Jul 73

A solid-phase radioimmunoassay for ovine follicle-stimulating hormone. Cunningham NF, et al. J Endocrinol 58:239-49, Aug 73

A quantitative study of genetic differences in the incidence of oestrus, ovulation and plasma luteinizing hormone concentration in the sheep. Land RB, et al. J Endocrinol 58:305-17, Aug 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. J Endocrinol 58:33-4, Aug 73

The half-life of luteinizing hormone in the circulation of domestic fowl and Japanese quail. Scanes CG, et al. J Endocrinol 58:125-6, Jul 73

Preliminary observations on the effects of luteinizing hormone releasing factor and oestradiol-17beta on plasma gonadotrophin levels in the anoestrous ewe. Symons AM, et al. J Endocrinol 58:12-3, Jul 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. J Endocrinol 58:163-76, Aug 73

LH

Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. **J Med Chem** 16:827-9, Jul 73

The inhibitory effect of 5-methoxytryptophol on ovarian weight, follicular growth and egg production of adult white leghorn hens (Gallus domesticus L.). Balemans MG. **J Neural Transm** 34:159-69, 1973

Serum levels of gonadotrophins in relation to multiple pregnancy in Nigeria. Nylander PP.
J Obstet Gynaecol Br Commonw 80:651-3, Jul 73

The effects of a synthetic preparation of gonadotrophin releasing factor on pituitary and ovarian function in anoestrous ewes. Crighton DB, et al.
J Physiol (Lond) 231:98P-99P, Jun 73

Release of LH by synthetic LH-RH in the monkey, Macaca fascicularis. Mori J, et al.
J Reprod Fertil 34:155-7, Jul 73

Gonadotrophins in the ovine oestrous cycle. Goding JR, et al. **J Reprod Fertil [Suppl]** 18:31-7, Jul 73

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)

The role of prostaglandins in luteal regression. McCracken JA, et al.
J Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 ref.)

Digoxin and abnormal serum hormone levels. Stoffer SS, et al. **JAMA** 225:1643-4, 24 Sep 73

Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG.
Metabolism 22:1083-8, Aug 73 (44 ref.)

Evidence for participation of a catecholaminergic mechanism in the post-castration rise in plasma gonadotropins. Ojeda SR, et al.
Neuroendocrinology 12:295-315, 1973

XO-XY mosaicism and nonfluorescent Y chromosome. Khudr G, et al. **Obstet Gynecol** 42:421-8, Sep 73

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al.
Obstet Gynecol 42:172-81, Aug 73

Effects of electrochemical stimulation of medial preoptic area on prolactin and luteinizing hormone release in old female rats. Wuttke W, et al.
Pfluegers Arch 341:1-6, 1973

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

Failure of prostaglandin F2 to affect LH secretion in the ovariectomized ewe. Chamley WA, et al.
Prostaglandins 3:405-12, Apr 73

Prostaglandins E2 and F2 decrease plasma testosterone levels in male rats. Saksena SK, et al.
Prostaglandins 4:235-42, Aug 73

Luteinizing hormone release and ovulation induced by the intraventricular infusion of prostaglandin E1 into pentobarbital-blocked rats. Spies HG, et al.
Prostaglandins 4:131-41, Jul 73

Ovulation rate and serum LH levels in rats treated with indomethacin or prostaglandin E2. Tsafriri A, et al.
Prostaglandins 3:461-7, Apr 73

Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al.
Science 181:760-1, 24 Aug 73

Diurnal variations in ovarian steroids and luteinizing hormone in cows at oestrus. Katongole CB, et al.
Steroids Lipids Res 4:1-5, 1973

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al.
Steroids 22:47-61, Jul 73

Variations in the concentrations of androstenedione in peripheral plasma of women the day and during the menstrual cycle. Lobotsky J, et al.
Steroids 22:133-7, Jul 73

Ultrastructural observations of gonadotrophin release in rats treated neonatally with testosterone. Shiino M, et al. **Tex Rep Biol Med** 31:215-28, Summer 73

[Effect of clomiphene citrate on FSH and LH levels in 4 cases of hypogonadism with hyposmia or anosmia] Bricaire H, et al.
Ann Endocrinol (Paris) 33:622-8, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)

[Effect of castration on blood levels of FSH and LH in rabbits] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:1649-54, 1972 (Fr

[Passage from childhood to adolescence. 3. Hormon aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May (Fr

[Present problems raised by essential precocio puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May (Fr

[Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka
Probl Actuels Endocrinol Nutr 16:159-78, 3 May (Fr

[Induction and promotion of ovulation with sing intramuscular injection of LH-RH] Nakamura Y, et
Clin Endocrinol (Tokyo) 21:607-14, Jun 73 (Ja

[LH-RH-induced gonadotropin release and its clini study] Saito K, et al.
Clin Endocrinol (Tokyo) 21:373-8, Apr 73 (Ja

[New modification of the radioimmunoassay for hum prolactin. I] Tamura S, et al.
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abst (Ja

[Acromegaly, adrenal cortex hyperfunction an galactorrhea (report of a case)] Gómez Vargas E, et
Rev Invest Clin 25:181-7, Apr-Jun 73 (Eng. Abs (S

[Mechanism of action of cuneiform resection of ovaries in a patient with Stein-Leventhal syndro effect of gonadotropin secretion] Zárate A, et
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abs (S

ISOLATION & PURIFICATION

Human luteinizing hormone and its subunits. Phys and chemical characterization. Bishop WH, et
Biochemistry 12:3076-84, 31 Jul 73

METABOLISM

Interaction of prostaglandins and LH-RH in vitro. Ba M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:81,

Response of plasma LH in male pigs to synth LH-FSHRH. Ellendorff F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:83, 1973

Therapeutic aspects of LH-RH in ovarian insufficie Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

Evidence for partial refractoriness of the hu pituitary. Schneider HP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:86, 1973

LH-secretion after synthetic LH-RH in the male u normal and pathological conditions. Schulz F, e
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973

Synthesis of a decapeptide with the biological acti of porcine LH releasing hormone. Zech K, et
Acta Endocrinol [Suppl] (Kbh) 173:80, 1973

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972

Effects of electrical stimulation of the brain on se and pituitary concentrations of gonadotropin in estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.)

Evidence for LH and FSH binding protein(s) in hu and rat serum. Rajaniemi H, et al.
Horm Metab Res 5:261-6, Jul 73

The half-life of luteinizing hormone in the circul of domestic fowl and Japanese quail. Scanes CG,
J Endocrinol 58:125-6, Jul 73

Progestin production in vitro by rabbit granulosa as an assay for luteinizing hormone. Shirley A,
J Endocrinol 58:345-6, Aug 73

Impact of radioassay techniques on the field o hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

Binding of human LH to particulate fraction o testis: disparity in LH:IRP equipotency ratio immuno-and ligand assay. Schneider B, et
Metabolism 22:1225-33, Sep 73

[Morphological and biochemical characteristic spermatogenesis] Vanha-Perttula T.
Duodecim 89:615-32, 1973 (67 ref.) (Eng. Abstr.)

[Physiological significance of prostaglandins] Charbonnel B, et al.
Ann Med Interne (Paris) 124:341-6, Apr 73

[Receptor of gonadotropin] Tojyo S, et al.

LIBRARY U. OF L. URBANA-CHAMPAIGN

in Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) (Jap)

PHARMACODYNAMICS

vitro sterol and steroid synthesis by ovaries of ypophysectomized immature rats treated with man gonadotrophins. Bai RU, et al.
cta Endocrinol (Kbh) 73:321-34, Jun 73
clic AMP and prostaglandins in hormone action. uehl FA Jr, et al.
dv Cyclic Nucleotide Res 1:493-502, 1972
uitary responsiveness to synthetic luteinizing rmone-releasing hormone during pregnancy: effect follicle-stimulating hormone secretion. Zárate A, al. Am J Obstet Gynecol 116:1121-3, 15 Aug 73
ntrol of ovarian cholesterol ester biosynthesis. Flint P, et al. Biochem J 132:313-21, Feb 73
nulation of ornithine decarboxylase activity by teinizing hormone in immature and adult rat varies. Kaye AM, et al.
ochemistry 12:3072-6, 31 Jul 73
ects of ACTH and its synthetic analogues on water lance in rats. Tanaka A, et al.
ndocrinol Jap 20:39-49, Feb 73
heterologous radioimmunoassay for follicle imulating hormone: application to measurement of SH in the ovine estrous cycle, and in several other ecies including man. Salamonsen LA, et al.
ndocrinology 93:610-8, Sep 73
nylate-cyclase receptors for adrenergic eurotransmitters in rat cerebral cortex. Hungen D n, et al. Eur J Biochem 36:391-401, 16 Jul 73
effects of halothane on ovulation in the rat. hitehead S, et al. Experientia 29:880-1, 1973
ect of luteinizing hormone on 3',5'-cyclic AMP and stosterone production in isolated interstitial tissue rat testis. Rommerts FF, et al.
EBS Lett 33:114-8, 15 Jun 73
-RH interaction with the pituitary plasma embrane. Spona J. FEBS Lett 34:24-6, 1 Aug 73
ects of adrenocorticotropic hormone and nadotropins on urinary 17-ketosteroid production the male pseudohermaphrodite rat. Chung KW, et Fertil Steril 24:677-86, Sep 73
ect of desialylation on ovulation-inducing acitivity ovine interstitial cell-stimulating hormone, ovine llicle-stimulating hormone, pregnant mare's serum nadotropin, and human chorionic gonadotropin in e hamster. Yang WH, et al.
rtil Steril 24:633-9, Aug 73
effects of testosterone propionate and nadotropins on the bill pigmentation and testes of e house sparrow (Passer domesticus). Lofts B, et al.
n Comp Endocrinol 21:202-9, Aug 73
effect of intrahypothalamic infusions of dopamine d noradrenaline on ovulation in reserpine-treated male rats. Craven RP, et al.
Endocrinol 58:319-26, Aug 73
ects of intrafollicular injection of hormones and ugs. Nalbandov AV, et al.
Reprod Fertil [Suppl] 18:15-22, Jul 73
ect of gonadotropins on neonatal testicular activity d sexual differentiation of the brain in the rat. Aral et al. Proc Soc Exp Biol Med 143:656-60, Jul 73
eolysis in sheep with ovarian autotransplants llowing concurrent infusions of luteinizing hormone d prostaglandin F2 into the ovarian artery. Cerini E, et al. Prostaglandins 3:399-404, Apr 73
ect of prostaglandins on sperm transport and rtilization in the rabbit. Spilman CH, et al.
rostaglandins 4:57-64, Jul 73
siological role of prostaglandins in the induction of ulation. Tsafriri A, et al.
rostaglandins 2:1-10, Jul 72
staglandins and in vitro ovarian progestin osynthesis. Wilks JW, et al.
rostaglandins 3:427-37, Apr 73
bioconversion of androstenedione and stosterone by rabbit granulosa cells and the effect ovine LH on thecal aromatization. YoungLai EV.
eroids Lipids Res 4:11-6, 1973
ects of immunizing turkeys with ovine luteinizing rmone. YoungLai EV.
eroids Lipids Res 4:6-10, 1973
teration of growth of ovarian follicles in female rats eated with LH in 4-day cycles] Buffler G.
R Soc Biol (Paris) 166:1793-5, 1972 (Fre)

PHYSIOLOGY

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73
Experiments with LH and prolactin antisera and a prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in the bovine. Hoffmann B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:39, 1973
The gonadotropin receptor of the human corpus luteum. Cole FE, et al.
Am J Obstet Gynecol 117:87-95, 1 Sep 73
Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al.
Endocrinology 93:316-23, Aug 73
Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. Folia Endocrinol (Roma) 26:180-8, Jun 73
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al.
J Clin Invest 52:2617-28, Oct 73
Puzzles of reproductive physiology. Nalbandov AV.
J Reprod Fertil 34:1-8, Jul 73
Nature, role and control of the gonadotrophins. Greep RO. J Reprod Fertil [Suppl] 18:1-13, Jul 73 (54 ref.)
Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

SECRETION

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
Constancy of interval between luteinizing hormone release and ovulation in the ewe. Cumming IA, et al.
Biol Reprod 9:24-9, Aug 73
Pituitary gonadotropins, structure, control and clinical applications. Franchimont P.
Clin Sci 44:1P-2P passim, Feb 73
Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV.
Clin Sci 44:1P passim, Feb 73
Changes in FSH, LH and prolactin secretion during estrous cycle in rats. Taya K, et al.
Endocrinol Jap 20:199-205, Apr 73
Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. Endocrinol Jap 20:103-10, Apr 73
Superfusion of hemipituitaries with portal blood. I. LRF secretion in castrated and diestrous rats. Ben-Jonathan N, et al.
Endocrinology 93:497-503, Aug 73
Effects of preoptic electrical stimulation on pituitary LH release following interruption of components of the preoptico-tuberal pathway in rats. Cramer OM, et al. Endocrinology 93:369-76, Aug 73
In vitro studies of pituitary-median eminence unit. Miyachi Y, et al. Endocrinology 93:492-6, Aug 73
Estrogen-dependent 24-hour periodicity in pituitary LH release in the female hamster. Norman RL, et al.
Endocrinology 93:965-70, Oct 73
Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73
Hypophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al.
Experientia 29:878-9, 1973
The effects of halothane on ovulation in the rat. Whitehead S, et al. Experientia 29:880-1, 1973
Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. Folia Endocrinol (Roma) 26:180-8, Jun 73
Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al.
Horm Metab Res 5:266-70, Jul 73
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic

mechanisms. Santen RJ, et al.
J Clin Invest 52:2617-28, Oct 73

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J.
J Endocrinol 58:xxxivxxxv, Aug 73

Neural mechanisms of pituitary control. Cross BA.
J Endocrinol 58:xxxixxxii, Aug 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol** 58:33-4, Aug 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. **J Med Chem** 16:827-9, Jul 73

Further studies of compounds exhibiting prolonged antioestrogenic and antifertility activity in the mouse. Emmens CW, et al.
J Reprod Fertil 34:29-40, Jul 73

Release of LH by synthetic LH-RH in the monkey, Macaca fascicularis. Mori J, et al.
J Reprod Fertil 34:155-7, Jul 73

Gonadotrophins in the ovine oestrous cycle. Goding JR, et al. **J Reprod Fertil** [Suppl] 18:31-7, Jul 73

Polypeptide antagonists of the hypothalamic luteinizing hormone releasing factors. Guillemin R, et al. **J Reprod Fertil** [Suppl] 18:23-30, Jul 73

Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73

Ovarian lutein cysts in pregnancy. Caspi E, et al.
Obstet Gynecol 42:388-98, Sep 73

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al.
Obstet Gynecol 42:429-40, Sep 73

Effects of electrochemical stimulation of medial preoptic area on prolactin and luteinizing hormone release in old female rats. Wuttke W, et al.
Pfluegers Arch 341:1-6, 1973

Failure of prostaglandin F2 to affect LH secretion in the ovariectomized ewe. Chamley WA, et al.
Prostaglandins 3:405-12, Apr 73

Luteinizing hormone release and ovulation induced by the intraventricular infusion of prostaglandin E1 into pentobarbital-blocked rats. Spies HG, et al.
Prostaglandins 4:131-41, Jul 73

Lutenizing hormone, follicle stimulating hormone, and growth hormone secretion in normal adult men during sleep and dreaming. Rubin RT, et al.
Psychosom Med 35:309-21, Jul-Aug 73

[Hypothalamic monoamines during lactation in golden hamsters] Hermand E.
C R Soc Biol (Paris) 166:1716-20, 1972 **(Fre)**

[Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al.
Probl Actuels Endocrinol Nutr 16:129-40, 3 May 73 **(Fre)**

[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L.
Folia Endocrinol (Roma) 26:217-28, Jun 73 (Eng. Abstr.) **(Ita)**

[Action mechanism of releasing factors] Kaneko T.
Clin Endocrinol (Tokyo) 21:359-64, Apr 73 **(Jap)**

[Diagnosis and ovulation induction with LH-RH] Mizuguchi H, et al.
Clin Endocrinol (Tokyo) 21:365-72, Apr 73 **(Jap)**

[LH-RH-induced gonadotropin release and its clinical study] Saito K, et al.
Clin Endocrinol (Tokyo) 21:373-8, Apr 73 **(Jap)**

[Structure and function of releasing factors] Yanaihara N. **Clin Endocrinol (Tokyo)** 21:353-8, Apr 73 **(Jap)**

THERAPEUTIC USE

Caveat to protein replacement therapy for genetic disease. Immunological implications of accurate molecular diagnosis. Boyer SH, et al.
Lancet 2:654-9, 22 Sep 73

[Significance of timing ovulation induction using HCG or synthetic LH-RH in therapy of sterility] Gigon U, et al.
Geburtshilfe Frauenheilkd 33:567-75, Jul 73 (Eng. Abstr.) **(Ger)**

URINE

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients wit megestrol acetate implants. Benagiano G, et a
Acta Endocrinol (Kbh) 73:347-59, Jun 73

Properties of human pituitary and urinary LH. Graesslin D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:56, 1973

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urin from men and women. Wide L, et al.
Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973

Effect of synthetic luteinizing hormone-releasin hormone (LH-RH) on the release of gonadotropins hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and prematu thelarche. Job JC, et al.
Biomedicine [Express] 19:77-81, 10 Feb 73

Effect of cyclophenyl and clomiphene on excretion urinary LH. Ishizuka N, et al.
Endocrinol Jap 20:51-7, Feb 73

A study of the urinary LH concentration in normal m and in men suffering from primary and seconda hypogonadism (statistical analysis of the result Alicicco E, et al.
Folia Endocrinol (Roma) 26:165-74, Jun 73

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley M et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug

Impact of radioassay techniques on the field of s hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

[Modus of hormonal excretion and hormonal effects 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et
Arch Gynaekol 215:157-69, 25 Jun 73 (Eng. Abs (G

[Excretion of some hormones and morpho-chemi state of ovaries in women with myomas of the uter Sieroń G. **Ginekol Pol** 43:507-11, Apr 72 (F

[The hormonal activity of the hypophysis and ovarie patients with an inflammatory process of the inte sex organs] Lesakova AS, et al.
Akush Ginekol (Mosk) 48:13-7, Oct 72 (Eng. Abs (R

[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al.
Ter Arkh 44:108-11, Nov 72 (Eng. Abstr.) (

[Simultaneous determination of urinary excre levels of luteinizing hormone, pregnanediol, pregnanetriol,17-hydrocorticosteroids and 17-ketosteroids during normal and clinically uncomplicated menstrual cycle] Rivera Damm R, e
Ginecol Obstet Mex 33:301-11, Mar 73 (Eng. Ab (S

LIPOTROPIN

ANALYSIS

Special lipid mobilizing hormones from the pitui gland (lipotropins). Schwandt P.
Acta Endocrinol [Suppl] (Kbh) 173:177-8, 1

ISOLATION & PURIFICATION

Lipolytic action of porcine TSH caused by lipotr contamination? Weisweiler P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:106, 19

[Pituitary lipotropins (LPH)] Chrétien M, e
Union Med Can 102:890-8, Apr 73 (72 ref.) (
Abstr.)

PHARMACODYNAMICS

Lipolytic action of porcine TSH caused by lipot contamination? Weisweiler P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:106, 19

Genetic factors in fat mobilization.
Nutr Rev 31:157-8, May 73 (3 ref.)

PHYSIOLOGY

[Pituitary lipotropins (LPH)] Chrétien M, (
Union Med Can 102:890-8, Apr 73 (72 ref.)
Abstr.)

LIBRARY U. OF L. UMDAH-CHAMPAIGN

URINE

tuitary lipotropins (LPH)] Chrétien M, et al.
nion Med Can 102:890-8, Apr 73 (72 ref.) (Eng. bstr.) (Fre)

ENOTROPINS

ADMINISTRATION & DOSAGE

erapeutic aspects of LH-RH in ovarian insufficiency. ehmann F, et al.
cta Endocrinol [Suppl] (Kbh) 173:90, 1973
duction of ovulation with gonadotropins. Katz M, et . S Afr Med J 47:1272-80, 28 Jul 73
duction of ovulation with human gonadotropins. Our xperience in 24 cases] Alvarez Bravo A, et al. inecol Obstet Mex 33:579-85, Jun 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

mplications following gonadotropin treatment of erility] Ladygin E, et al.
inekol Pol 43:491-6, Apr 72 (Eng. Abstr.) (Pol)

METABOLISM

ding of human LH to particulate fraction of rat stis: disparity in LH:IRP equipotency ratios in mmuno-and ligand assay. Schneider B, et al. etabolism 22:1225-33, Sep 73

PHARMACODYNAMICS

duction of ovulation with gonadotropins. Katz M, et . S Afr Med J 47:1272-80, 28 Jul 73
mparative gonadotropin treatment of male fertility] Sillό-Seidl G.
Haut Geschlechtskr 48:405-10, 15 May 73 (Ger)

THERAPEUTIC USE

erapeutic aspects of LH-RH in ovarian insufficiency. ehmann F, et al.
cta Endocrinol [Suppl] (Kbh) 173:90, 1973
duction of ovulation with gonadotropins. Katz M, et S Afr Med J 47:1272-80, 28 Jul 73
ypogonadotrophic hypogonadism in males. iscussion. Long-term therapeutic results] Guinet P, al.
robl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)
mparative gonadotropin treatment of male fertility] Sillό-Seidl G.
Haut Geschlechtskr 48:405-10, 15 May 73 (Ger)
mplications following gonadotropin treatment of erility] Ladygin E, et al.
inekol Pol 43:491-6, Apr 72 (Eng. Abstr.) (Pol)
duction of ovulation with human gonadotropins. Our xperience in 24 cases] Alvarez Bravo A, et al. inecol Obstet Mex 33:579-85, Jun 73 (Eng. Abstr.) (Spa)

SH

ctivation of melanocyte-stimulating hormone elease-inhibiting factor by a manganese-stimulated ovine brain aminopeptidase. Simmons WH, et al.
Biol Chem 248:5780-4, 25 Aug 73
uitary peptide. Scott AP, et al.
ature [New Biol] 244:65-7, 18 Jul 73
e distribution of monoamine oxidase and cetylcholinesterase in the brain of Xenopus laevis adpoles. Terlou M, et al.
Zellforsch Mikrosk Anat 140:261-75, 28 Jun 73

ADMINISTRATION & DOSAGE

e control of melanocyte-stimulating hormone ecretion. Thody AJ, et al.
Endocrinol 58:xxxvxxxvi, Aug 73

ANALYSIS

paration of granules containing melanophore timulating hormone from frog (Rana catesbeiana) ars intermedia. Kikuyama S, et al.
ndocrinol Jap 19:549-55, Dec 72

ANTAGONISTS & INHIBITORS

Site of inactivation of melanocyte-stimulating hormone-release-inhibiting hormone by human plasma. Nair RM, et al.
Biochem Pharmacol 22:1915-9, 1 Aug 73
The pineal complex, melatonin, and color change in the lamprey Lampetra. Joss JM.
Gen Comp Endocrinol 21:188-95, Aug 73
The control of melanocyte-stimulating hormone secretion. Thody AJ, et al.
J Endocrinol 58:xxxvxxxvi, Aug 73

BLOOD

Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Peaslee MH, et al.
Comp Gen Pharmacol 3:191-4, Jun 72
Neuroendocrine responses to physical and psychological stress. Sandman CA, et al.
J Comp Physiol Psychol 84:386-90, Aug 73
A radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. Thody AJ, et al.
J Endocrinol 58:263-73, Aug 73
The control of melanocyte-stimulating hormone secretion. Thody AJ, et al.
J Endocrinol 58:xxxvxxxvi, Aug 73

ISOLATION & PURIFICATION

Characterization of corticotrophin-like intermediate lobe peptides from rat and pig pituitaries, and identification of alpha-melanocyte-stimulating hormone in the rat pituitary. Scott AP, et al.
J Endocrinol 58:xv, Jul 73

METABOLISM

Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Peaslee MH, et al.
Comp Gen Pharmacol 3:191-4, Jun 72
The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

PHARMACODYNAMICS

Effect of alpha-MSH on plasma LH, progesterone and cortisol during the luteal phase of the menstrual cycle. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:41, 1973
Three sites for hormonal control of the pigment cell. McGuire J. Adv Biol Skin 12:421-45, 1972
Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Peaslee MH, et al.
Comp Gen Pharmacol 3:191-4, Jun 72
The action of reserpine on teleost melanophores. Finnin BC, et al. Eur J Pharmacol 22:239-48, Jun 73

PHYSIOLOGY

Neuroendocrine responses to physical and psychological stress. Sandman CA, et al.
J Comp Physiol Psychol 84:386-90, Aug 73

SECRETION

A relationship between adrenergic blockage and the secretory process in cells of the pars intermedia of the frog Rana pipiens. Olsson R, et al.
Gen Comp Endocrinol 21:138-47, Aug 73
Chemistry of releasing hormones. Sandow J.
J Endocrinol 58:32-3, Aug 73
The control of melanocyte-stimulating hormone secretion. Thody AJ, et al.
J Endocrinol 58:xxxvxxxvi, Aug 73
M.I.F.: effect on levodopa dyskinesias in man. Woods AC, et al. Lancet 2:513, 1 Sep 73

URINE

[Melanotropic activity (MSH) in urine of girls prior to menarche] Krawczuk A, et al.
Endokrynol Pol 24:227-32, May-Jun 73 (Eng. Abstr.) (Pol)

NEUROPHYSINS

ANALYSIS

Subcellular organization of neurophysins, oxytocin, (8-lysine)-vasopressin and adenosine triphosphatase in porcine posterior pituitary lobes. Pickup JC, et al. **Biochem J** 132:361-71, Mar 73

Subcellular distribution of neurophysin in rats subjected to haemorrhage, salt-loading and lactation and in rats with hereditary diabetes insipidus (Brattleboro strain). Norström A. **Z Zellforsch Mikrosk Anat** 140:413-24, 1973

BLOOD

Neurophysins. **Med J Aust** 2:3-4, 7 Jul 73

METABOLISM

Neurophysins. **Med J Aust** 2:3-4, 7 Jul 73

PHYSIOLOGY

Neurophysins. **Med J Aust** 2:3-4, 7 Jul 73

SECRETION

Neurophysins. **Med J Aust** 2:3-4, 7 Jul 73

OXYTOCICS

PHARMACODYNAMICS

[Primary dysfunctional labor] Israeli I, et al. **Harefuah** 84:583-4, 1 Jun 73 (Eng. Abstr.) **(Heb)**

OXYTOCIN

Evaluation of placental steroid 3-sulfatase and aromatase activities as regulators of estrogen production in human pregnancy. Townsley JD, et al. **Am J Obstet Gynecol** 117:345-50, 1 Oct 73

Studies on proteolytic enzymes (pronase) of Streptomyces griseus K-1. 3. Purification and proteolytic specificity of alkaline proteinase C from pronase. Narahashi Y, et al. **J Biochem (Tokyo)** 73:831-41, Apr 73

Inactivation of melanocyte-stimulating hormone release-inhibiting factor by a manganese-stimulated bovine brain aminopeptidase. Simmons WH, et al. **J Biol Chem** 248:5780-4, 25 Aug 73

Development and clinical application of a new method for the radioimmunoassay of arginine vasopressin in human plasma. Robertson GL, et al. **J Clin Invest** 52:2340-52, Sep 73

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)

Conformational studies of oxytocin, lysine vasopressin, arginine vasopressin, and arginine vasotocin by carbon-13 nuclear magnetic resonance spectroscopy. Walter R, et al. **Proc Natl Acad Sci USA** 70:2086-90, Jul 73

On the mechanism of midtrimester abortions induced by prostaglandin "impact". Saldana L, et al. **Prostaglandins** 3:847-58, Jun 73

ADMINISTRATION & DOSAGE

Rat uterine contractility and the activities of uterine adenyl cyclase and phosphodiesterase during the estrus cycle. Sim MK, et al. **Biochem Pharmacol** 22:1417-22, 15 Jun 73

Changes in plasma levels of vasopressin and renin in response to haemorrhage in dogs. Cousineau D, et al. **Br J Pharmacol** 47:315-24, Feb 73

Neonatal jaundice and maternal oxytocin infusion. Davies DP, et al. **Br Med J** 3:476-7, 1 Sep 73

Midtrimester abortion using prostaglandin F2alpha, oxytocin, and laminaria. Engel T, et al. **Fertil Steril** 24:565-8, Aug 73

Influence of large doses of oxytocin on milk ejection and metabolic rate of rat mammary gland. Kuhn ER, et al. **J Dairy Sci** 56:864-8, Jul 73

Comparison of intravenous prostaglandins F 2 and E 2 with intravenous oxytocin in the induction of labour. Naismith WC, et al. **J Obstet Gynaecol Br Commonw** 80:531-5, Jun 73

A comparison between the effects of prostaglandin F2alpha and oxytocin on fluid balance during induction of labour in patients suffering from pre-eclampsia. Scher J, et al. **S Afr Med J** 47:1291-2, 28 Jul 73

[The effects of intraventricular administered glutami acid and oxytoxin on the firing rate of hypothalami neuronal areas] Schulz H, et al. **Acta Biol Med Ger** 30:197-202, 1973 (Eng. Abstr.) (Ger

[The effects of oxytocin on the Na-glutamate effecte EEG of the rabbit] Schwarzberg H, et al. **Acta Biol Med Ger** 30:203-8, 1973 (Eng. Abstr.) (Ger

ADVERSE EFFECTS

Neonatal jaundice and maternal oxytocin infusio Davies DP, et al. **Br Med J** 3:476-7, 1 Sep 7

Comparison of intravenous prostaglandins F 2 and E with intravenous oxytocin in the induction of labou Naismith WC, et al. **J Obstet Gynaecol Br Commonw** 80:531-5, Jun 7

Abnormal contraction patterns in patients monitore during labor. Stookey RA, et al. **Obstet Gynecol** 42:359-67, Sep 73

ANALYSIS

Radioimmunoassay of oxytocin in amniotic fluid, fet urine, and meconium during late pregnancy a delivery. Seppälä M, et al. **Am J Obstet Gynecol** 114:788-95, 15 Nov 72

Subcellular organization of neurophysins, oxytoci (8-lysine)-vasopressin and adenosine triphosphata in porcine posterior pituitary lobes. Pickup JC, et **Biochem J** 132:361-71, Mar 73

The influence of gamma-radiation on the sturcture a biological activity of oxytocin, a cyclic oligopeptic Purdie JW, et al. **Int J Radiat Biol** 23:583-9, Jun

The radioimmunoassay of oxytocin and vasopress Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 re

Uptake in vitro of (3H)oxytocin by the mammary gla and other tissues of the rat. Egan SM, et **J Endocrinol** 58:289-303, Aug 73

ANTAGONISTS & INHIBITORS

Effect of guanosine 3':5'-monophosphate on th hydroosmotic activity of adenosine 3':5'-monophosphate in toad urinary bladder. Picci Z, et al. **Biochim Biophys Acta** 311:625-9, 18 Jul

An inhibitory effect of prolactin on the response of myometrium to oxytocin. Horrobin DF, et **Experientia** 29:109-10, 1 May 73

Synthesis and some of the pharmacological propert of (4-leucine)-8-lysine-vasopressin and (1-deamino,4-leucine)-8-lysine-vasopressin. Dyck DF, et al. **J Med Chem** 16:843-7, Jul 73

BLOOD

The physiological role of prostaglandins in parturit Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 r

On oxytocinase. Changes in the serum activity of enzyme system degrading S-benzyl-L-cysteine-P-nitroanilide and oxytocin during pregnancy. Sova O, et al. **Physiol Bohemoslov** 21:243-9, May 72

[Oxytocin] Iwasaki H. **Clin Endocrinol (Tokyo)** 21:227-33, Mar 73 (22 r

[Radioimmunoassay for oxytocin] Iwasaki H. **Folia Endocrinol Jap** 49:580-91, 20 Mar 73 (Eng. Ab

CHEMICAL SYNTHESIS

Solid-phase synthesis of (2-isoleucine, 4-leuci oxytocin and (2-phenylalanine, 4-leucine) oxyt and some their pharmacological properties. Hrub et al. **J Med Chem** 16:624-9, Jun 73

ISOLATION & PURIFICATION

Neurohypophysial hormones and evolution of tetrapods. Acher A, et al. **Nature [New Biol]** 244:124-6, 25 Jul 73

[Oxytocin] Iwasaki H. **Clin Endocrinol (Tokyo)** 21:227-33, Mar 73 (22

LIBRARY U. OF I., URBANA-CHAMPAIGN

METABOLISM

aracterization of a proposed oxytocin receptor in rat
ammary gland. Soloff MS, et al.
Biol Chem 248:6471-8, 25 Sep 73
take in vitro of (3H)oxytocin by the mammary gland
nd other tissues of the rat. Egan SM, et al.
Endocrinol 58:289-303, Aug 73
ntrol of polypeptide hormones by enzymatic
egradation. Knights EB, et al.
ancet 2:719-23, 29 Sep 73

PHARMACODYNAMICS

mparative study on actions of prostaglandin F2 alpha
nd oxytocin upon pregnant rat uterus. Hogaki M, et
. **Acta Obstet Gynaecol Jap 19:118-24, Apr 72**
t uterine contractility and the activities of uterine
denyl cyclase and phosphodiesterase during the
strus cycle. Sim MK, et al.
iochem Pharmacol 22:1417-22, 15 Jun 73
ansport of lithium and rectification by frog skin.
andia OA, et al.
iochim Biophys Acta 307:578-89, 25 May 73
fect of guanosine 3':5'-monophosphate on the
ydroosmotic activity of adenosine
.5'-monophosphate in toad urinary bladder. Piccinni
et al. **Biochim Biophys Acta 311:625-9, 18 Jul 73**
anges in plasma levels of vasopressin and renin in
esponse to haemorrhage in dogs. Cousineau D, et al.
r **J Pharmacol 47:315-24, Feb 73**
tein synthesis in Fundulus heteroclitus muscle.
ckim E, et al.
omp Biochem Physiol [A] 44:851-66, 1 Mar 73
ulin metabolizing enzyme activities in human
lacental tissue. Posner BI. **Diabetes 22:552-63, Jul 73**
inhibitory effect of prolactin on the response of rat
yometrium to oxytocin. Horrobin DF, et al.
xperientia 29:109-10, 1 May 73
eraction of drugs associated with anaesthesia.
undee JW, et al.
t Anesthesiol Clin 11:41-73, Spring 73 (152 ref.)
clic AMP and sodium transport. Quantitative and
mporal relationships in toad urinary bladder.
apirstein VS, et al. **J Clin Invest 52:2379-82, Sep 73**
luence of large doses of oxytocin on milk ejection
nd metabolic rate of rat mammary gland. Kuhn ER, et
. **J Dairy Sci 56:864-8, Jul 73**
or in estimation of contained milk volume in the
iry goat with cerium-141. Sagan CE, et al.
Dairy Sci 56:935-8, Jul 73
dence for a time delay between prolactin release
nd the resulting rise in milk secretion rate in the rat.
rosvenor CE, et al. **J Endocrinol 58:31-9, Jul 73**
ter-losing action of antidiuretic hormone in the
esence of excess cortisol: restoration of normal
tion by prolactin or by oxytocin. Horrobin DF, et al.
Endocrinol 58:135-6, Jul 73
flex release of milk-ejection activity by stimulation
organs in the pelvic region in sheep as studied by
oss-circulation experiments. Peeters G, et al.
Endocrinol 58:53-66, Jul 73
id-phase synthesis of (2-isoleucine, 4-leucine)
xytocin and (2-phenylalanine, 4-leucine) oxytocin
nd some their pharmacological properties. Hruby VJ,
al. **J Med Chem 16:624-9, Jun 73**
chanism of the synergistic lethality between
ntazocine and vasopressin in the rat. Chau TT, et al.
Pharmacol Exp Ther 186:288-96, Aug 73
e physiological role of prostaglandins in parturition.
agins GC.
Reprod Fertil [Suppl] 18:143-50, Jul 73 (25 ref.)
ctrophysiological comparison of the action of
xytocin and carbachol on pregnant mouse
yometrium. Osa T, et al.
p J Physiol 23:81-96, Feb 73
ects of external Na and Ca on the mouse
yometrium in relation to the effects of oxytocin and
rbachol. Osa T, et al. **Jap J Physiol 23:97-112, Feb 73**
tility and embryo survival after administration of
elengestrol acetate in rabbits. Britt JH, et al.
roc Soc Exp Biol Med 143:681-4, Jul 73
comparison between the effects of prostaglandin
2alpha and oxytocin on fluid balance during
duction of labour in patients suffering from
re-eclampsia. Scher J, et al.
Afr Med J 47:1291-2, 28 Jul 73
e effects of intraventricular administered glutamic
id and oxytoxin on the firing rate of hypothalamic
neuronal areas] Schulz H, et al.
Acta Biol Med Ger 30:197-202, 1973 (Eng. Abstr.) (Ger)
[The effects of oxytocin on the Na-glutamate effected EEG of the rabbit] Schwarzberg H, et al.
Acta Biol Med Ger 30:203-8, 1973 (Eng. Abstr.) (Ger)
[Influence of Prostaglandin F2-alpha on the contractility of the nonpregnant human uterus in vitro] Czekanowski R, et al.
Z Geburtshilfe Perinatol 177:202-9, Jun 73 (Eng. Abstr.) (Ger)
[Administration of ATP in the preparation of the uterus for labor] Lapiński Z, et al.
Zentralbl Gynaekol 95:652-6, 11 May 73 (Ger)

PHYSIOLOGY

[The conformation of natural peptides and their biological activity] Siemion IZ.
Postepy Hig Med Dosw 27:311-27, May-Jun 73 (Eng. Abstr.) (Pol)

RADIATION EFFECTS

The influence of gamma-radiation on the sturcture and biological activity of oxytocin, a cyclic oligopeptide. Purdie JW, et al. **Int J Radiat Biol 23:583-9, Jun 73**

SECRETION

Effects on the isolated neurohypophysis of agents which affect the membrane permeability to calcium. Dreifuss JJ, et al. **J Physiol (Lond) 231:96P-98P, Jun 73**

THERAPEUTIC USE

Active management of labour. O'Driscoll K, et al.
Br Med J 3:135-7, 21 Jul 73
Midtrimester abortion using prostaglandin F2alpha, oxytocin, and laminaria. Engel T, et al.
Fertil Steril 24:565-8, Aug 73
Prostaglandin E levels in peripheral blood during labor. Hertelendy F, et al. **Prostaglandins 3:223-7, Feb 73**
Prostaglandin-oxytocin abortion: a clinical trial of intra-amniotic prostaglandin F2alpha in combination with intravenous oxytocin. Seppälä M, et al.
Prostaglandins 2:311-9, Oct 72
[Biphasic active management of the 3d stage of labor in the aspect of hemorrhage prevention in the placental period and elimination of placental retainment due to impaction] Durek M, et al.
Pol Tyg Lek 28:867-8, 4 Jun 73 (Eng. Abstr.) (Pol)

TOXICITY

Mechanism of the synergistic lethality between pentazocine and vasopressin in the rat. Chau TT, et al.
J Pharmacol Exp Ther 186:288-96, Aug 73

URINE

Radioimmunoassay of oxytocin in amniotic fluid, fetal urine, and meconium during late pregnancy and delivery. Seppälä M, et al.
Am J Obstet Gynecol 114:788-95, 15 Nov 72
The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol 58:143-60, Jul 73 (48 ref.)**

PITUITARY HORMONES

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev 25:161-78, Jun 73 (60 ref.)**

ADMINISTRATION & DOSAGE

Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y.
J Embryol Exp Morphol 29:105-16, Feb 73
Arterial infusion in diverticular hemorrhage. Radway P. **N Engl J Med 289:696, 27 Sep 73**

ANALYSIS

[Study of antehypophyseal function integrity with nicotine stimulation test] Legros JJ, et al.
Ann Endocrinol (Paris) 33:635-8, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Experimental arguments in favor of an intragranular localization of the hypothalamo-neurohypophysial hormones of Anguilla anguilla L] Holder FC.

Z Zellforsch Mikrosk Anat 140:315-32, 1973 (Eng. Abstr.) (Fre)
[Radioimmunoassay for pituitary hormones] Miyai K, et al. Jap J Clin Pathol 21:293-7, Apr 73 (Jap)

METABOLISM

Peptide hormone binding to receptors: a review of direct studies in vitro. Roth J.
Metabolism 22:1059-73, Aug 73 (150 ref.)

PHARMACODYNAMICS

Correlative insulin and glucagon secretion of the perfused rat pancreas following pituitary peptides. Fussgänger RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
Studies on the role of cyclic AMP in human lipolysis. Burns TW, et al.
Adv Cyclic Nucleotide Res 1:63-85, 1972
The inhibition of amphibian ovulation in vitro by cytochalasin B1. Schroeder PC.
Experientia 29:617-8, 15 May 73
The developmental endocrinology of the spleen in chicken embryos. II. The pars distalis and splenomegaly. Goldberg RB, et al.
J Embryol Exp Morphol 29:245-51, Feb 73
Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y.
J Embryol Exp Morphol 29:105-16, Feb 73

PHYSIOLOGY

Non-esterified fatty acids, serum insulin and blood glucose after a beta-receptor blocking agent in normal, hypophysectomized, diabetic and hypophysectomized-diabetic dogs. Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:123, 1973
Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al.
Am J Obstet Gynecol 117:75-9, 1 Sep 73
On the pars distalis hormone activities involved in spleen development in chicken embryos. Hart DE, et al. J Embryol Exp Morphol 29:239-44, Feb 73
Mechanisms of growth and atrophy of skeletal muscle. Goldberg AL. Muscle Biol 1:89-118, 1972 (55 ref.)
Copper homeostasis in the mammalian system. Evans GW. Physiol Rev 53:535-70, Jul 73 (259 ref.)

SECRETION

[Transplantation of the hypophysis] Kazachenok VM.
Probl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119 ref.) (Rus)

THERAPEUTIC USE

Cushing's disease treated by pituitary implant. Burke CW, et al. Clin Sci 44:5P passim, Feb 73
Arterial infusion in diverticular hemorrhage. Radway P. N Engl J Med 289:696, 27 Sep 73
[Idiopathic hypoplastic anemia: a follow up studies on treatment and prognosis of our 122 cases] Arimori S, et al.
Acta Haematol Jap 35:670-6, Dec 72 (Eng. Abstr.) (Jap)

PITUITARY HORMONES, ANTERIOR

[Pituitary lipotropins (LPH)] Chrétien M, et al.
Union Med Can 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) (Fre)

ANALYSIS

Special lipid mobilizing hormones from the pituitary gland (lipotropins). Schwandt P.
Acta Endocrinol [Suppl] (Kbh) 173:177-8, 1973

BLOOD

Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73

ISOLATION & PURIFICATION

Preparation of lipid mobilizing peptide B from pig pituitaries by acrylamide gel electrophoresis.
Ruschewski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:107, 1973

METABOLISM

Ophthalmoscopic findings and changes in hormonal a metabolic parameters in "protodiabetes". Pfeiffer et al. Adv Metab Disord 2:Suppl 2:317-22, 19
Significance of the effects of prostaglandins on ren and adrenal function in man. Fichman M, et
Prostaglandins 3:629-46, May 73 (35 ref.)

PHARMACODYNAMICS

Lipolytic action of porcine TSH caused by lipotrop contamination? Weisweiler P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:108, 1973

SECRETION

[Dynamics of placentotropin (PCTH) excretion dur labor] Lajos L, et al. Orv Hetil 114:1672-4, Jul 73 (Hu

PITUITARY HORMONES, POSTERIOR

ANALYSIS

Neurohypophysial hormones and evolution of tetrapods. Acher A, et al.
Nature [New Biol] 244:124-6, 25 Jul 73
[Biochemical and histological arguments in favor of parallel transport and accumulation of hormones neurosecretory granules in the hypophysectomi eel] Holder FC.
Z Zellforsch Mikrosk Anat 140:333-55, 1973 (E Abstr.) (F

ISOLATION & PURIFICATION

Neurohypophysial hormones and evolution of tetrapods. Acher A, et al.
Nature [New Biol] 244:124-6, 25 Jul 73

PHARMACODYNAMICS

Development and clinical application of a new met for the radioimmunoassay of arginine vasopressi human plasma. Robertson GL, et al.
J Clin Invest 52:2340-52, Sep 73
[Power of posthypophyseal preparations partiall reestablish the hypertensive action of hordenine suppressed by adrenolytics] Hazard R, et
C R Soc Biol (Paris) 166:1433-5, 1972 (
[Participation of the hypophysis and adrenals regulation of intraocular pressure] Bekauri NV, e
Fiziol Zh SSSR 59:1102-7, Jul 73 (Eng. Abstr.) (F

SECRETION

Reflex release of milk-ejection activity by stimula of organs in the pelvic region in sheep as studie cross-circulation experiments. Peeters G, et
J Endocrinol 58:53-66, Jul 73
Neurophysins. Med J Aust 2:3-4, 7 Jul 73

THERAPEUTIC USE

[Clinical picture, physiopathology and therapy of pulmonary edema] Lasch HG, et al.
Dtsch Med Wochenschr 98:1434-6 passim, 27 Ju (

PROLACTIN

The clinical endocrinology of prolactin. Turkin RW. Adv Intern Med 18:363-87, 1972 (97
Radioreceptor assay for growth hormone. Tsushim et al. J Clin Endocrinol Metab 37:334-7, Au
Amphibian pituitary growth hormone and prola immunochemical relatedness to rat growth horm Hayashida T, et al. Science 182:169-71, 12 Oc
Fine structure of the adenohypophysis in immu sockeye salmon, Oncorhynchus nerka. McKeown et al. Z Zellforsch Mikrosk Anat 140:459-71, 16 J

ADMINISTRATION & DOSAGE

Influence of large doses of oxytocin on milk eje

LIBRARY U. OF L. URBANA-CHAMPAIGN

nd metabolic rate of rat mammary gland. Kuhn ER, et l. J Dairy Sci 56:864-8, Jul 73

ANALYSIS

e clinical endocrinology of prolactin. Turkington W. Adv Intern Med 18:363-87, 1972 (97 ref.)
olactin and breast cancer. Saluja PG, et al. r J Cancer 28:82, Jul 73
hormones of human growth hormone. I. haracterization by electrophoresis and isoelectric ocusing in polyacrylamide gel. Chrambach A, et al. ndocrinology 93:848-57, Oct 73
hormones of human growth hormone. II. lasmin-catalyzed transformation and increase in rolactin biological activity. Yadley RA, et al. ndocrinology 93:858-65, Oct 73
hormones of human growth hormone. 3. Isolation by reparative polyacrylamide gel electrophoresis and haracterization. Yadley RA, et al. ndocrinology 93:866-73, Oct 73
tection of prolactin activity by bioassay in human mniotic fluid. Parke L. J Endocrinol 58:137-8, Jul 73
istochemical study of the human placenta. ltrastructural localization of the chorionic omatomammotrophic hormone using an mmunocytochemical technic with peroxidase] konicoff LK de. R Acad Sci [D] (Paris) 276:3355-8, 18 Jun 73 (Fre)

ANTAGONISTS & INHIBITORS

anges of progesterone, total oestrogens, orticosteroids, prolactin and LH in bovine peripheral lasma around parturition with special reference to he effect of exogenous corticoids and a prolactin nhibitor respectively. Hoffmann B, et al. cta Endocrinol (Kbh) 73:385-95, Jun 73
periments with LH and prolactin antisera and a rolactin inhibitor to further elucidate the uteotropic properties of LH and prolactin in the ovine. Hoffmann B, et al. cta Endocrinol [Suppl] (Kbh) 173:39, 1973
eatment of galactorrhea-amenorrhea syndrome with lr-ergocryptine (CB 154): restoration of ovulatory unction and fertility. Varga L, et al. m J Obstet Gynecol 117:75-9, 1 Sep 73
idence for a physiological role of prolactin in smoregulation in the rat after its inhibition by -bromo- -ergokryptine. Richardson BP. lr J Pharmacol 47:623P-624P, Mar 73
fects of thyrotropin-releasing hormone and ydrocortisone on synthesis and degradation of rolactin in a rat pituitary cell strain. Dannies PS, et l. J Biol Chem 248:6174-9, 10 Sep 73
fects of adrenalectomy and-or deficiency of pituitary rolactin secretion on initiation and maintenance of actation in mice. Nagasawa H, et al. Endocrinol 58:67-73, Jul 73

BIOSYNTHESIS

nthesis and release of prolactin in vitro from the nterior pituitary of mouse during estrous cycle. Yansi R, et al. Endocrinol Jap 20:73-5, Feb 73
nadotropin levels in lactating rats: effect of varlectomy. Ford JJ, et al. ndocrinology 93:540-7, Sep 73
otein synthesis in the rat anterior pituitary. 3. The ate of total protein, prolactin and growth hormone abeled in an in vitro incubation. Samli MH, et al. ndocrinology 93:767-76, Oct 73
fects of thyrotropin-releasing hormone and ydrocortisone on synthesis and degradation of rolactin in a rat pituitary cell strain. Dannies PS, et l. J Biol Chem 248:6174-9, 10 Sep 73
ceptors for thyrotropin-releasing hormone in rolactin producing rat pituitary cells in culture. linkie PM, et al. J Biol Chem 248:6180-6, 10 Sep 73

BLOOD

anges of progesterone, total oestrogens, orticosteroids, prolactin and LH in bovine peripheral lasma around parturition with special reference to he effect of exogenous corticoids and a prolactin nhibitor respectively. Hoffmann B, et al. cta Endocrinol (Kbh) 73:385-95, Jun 73
duction and maintenance of pregnancy without rise in serum prolactin in rats. Doehler KD, et al. Acta Endocrinol [Suppl] (Kbh) 173:45, 1973
Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al. Acta Endocrinol [Suppl] (Kbh) 173:85, 1973
Immediate response of the plasma prolactin level to steroid hormone infusion in male and female cattle. Schams D, et al. Acta Endocrinol [Suppl] (Kbh) 173:38, 1973
Effects of pentobarbital and urethane on prolactin, LH and FSH release during proestrus and early pseudopregnancy in rats. Wuttke W. Acta Endocrinol [Suppl] (Kbh) 173:40, 1973
The clinical endocrinology of prolactin. Turkington RW. Adv Intern Med 18:363-87, 1972 (97 ref.)
Changes in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during late pregnancy and at parturition. Chamley WA, et al. Biol Reprod 9:30-5, Aug 73
Prolactin, its control and clinical significance. Friesen HG. Clin Sci 44:2P-3P passim, Feb 73
Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Kawakami M, et al. Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fre)
Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al. Endocrinol Jap 19:525-32, Dec 72
Changes in FSH, LH and prolactin secretion during estrous cycle in rats. Taya K, et al. Endocrinol Jap 20:199-205, Apr 73
Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. Endocrinol Jap 20:103-10, Apr 73
Effect of synthetic TRF on prolactin release in the sheep. Fell LR, et al. Endocrinology 93:487-91, Aug 73
Gonadotropin levels in lactating rats: effect of ovariectomy. Ford JJ, et al. Endocrinology 93:540-7, Sep 73
Changes in serum prolactin and gonadotropins during sexual development of the male rat. Negro-Vilar A, et al. Endocrinology 93:660-4, Sep 73
Circulating levels of plasma gonadotropins in 4- and 5-day cycling rats. Smith ER, et al. Endocrinology 93:756-8, Sep 73
Endocrine studies in anencephaly. Hayek A, et al. J Clin Invest 52:1636-41, Jul 73
Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe JH, et al. J Clin Invest 52:1972-8, Aug 73
Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al. J Clin Invest 52:2305-12, Sep 73
Radioimmunoassay of human plasma prolactin with an antiserum raised against extracts of amniotic fluid. Cole EN, et al. J Endocrinol 58:xxiv, Jul 73
Studies with stilboestrol analogues in relation to prostatic function. Danutra V, et al. J Endocrinol 58:28-9, Jul 73
Early effects of stilboestrol on growth hormone and prolactin secretion and on pituitary mitotic activity in the male rat. Lloyd HM, et al. J Endocrinol 58:227-31, Aug 73
Prolactin, phenothiazines, admission to mental hospital, and carcinoma of the breast. Ettigi P, et al. Lancet 1:266-7, 4 Aug 73
XO-XY mosaicism and nonfluorescent Y chromosome. Khudr G, et al. Obstet Gynecol 42:421-8, Sep 73
Effects of electrochemical stimulation of medial preoptic area on prolactin and luteinizing hormone release in old female rats. Wuttke W, et al. Pfluegers Arch 341:1-6, 1973
Osmolar control of prolactin secretion in man. Buckman MT, et al. Science 181:755-7, 24 Aug 73
Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al. Science 181:760-1, 24 Aug 73
[Prolactin] Kato Y, et al. Clin Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref.) (Jap)
[New modification of the radioimmunoassay for human prolactin. I] Tamura S, et al. Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abstr.) (Jap)

PROLACTIN

ISOLATION & PURIFICATION

[Prolactin] Kato Y, et al.
Clin Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref.) (Jap)

METABOLISM

The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids. Robyn C, et al.
Acta Endocrinol [Suppl] (Kbh) 173:88, 1973

Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:85, 1973

Determination of in vitro hormone dependence of human breast cancer. Flax H, et al.
Br J Cancer 28:76, Jul 73

Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug 73

Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) **(Fre)**

Effects of cations and colchicine on the release of prolactin and growth hormone by functional pituitary tumor cells in culture. Gautvik KM, et al.
Endocrinology 93:793-9, Oct 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al.
Endocrinology 93:903-14, Oct 73

Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al.
Endocrinology 93:767-76, Oct 73

Effects of thyrotropin-releasing hormone and hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. Dannies PS, et al. **J Biol Chem** 248:6174-9, 10 Sep 73

An antilactogenic effect of pyridoxine. Foukas MD.
J Obstet Gynaecol Br Commonw 80:718-20, Aug 73

Application of radioreceptor assay to circulating insulin, growth hormone, and to their tissue receptors in animals and man. Gorden P, et al.
Pharmacol Rev 25:179-87, Jun 73 (39 ref.)

PHARMACODYNAMICS

Comparative studies on the metabolic effects of some parameters of carbohydrate and lipid metabolism after intravenous administration of human placental lactogen, human prolactin and growth hormone. Berle P. **Acta Endocrinol [Suppl] (Kbh)** 173:104, 1973

Effect of growth hormone and prolactin on the body weight and thyroid activity of Spotted Munia. Chandola A, et al.
Ann Endocrinol (Paris) 33:583-91, Nov-Dec 72

Effects of hypothyroidism and progesterone on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. **Br J Cancer** 28:161-72, Aug 73

A counteraction of cortisol on lactation depressing effect of estradiol in the mouse. Mizuno H, et al.
Endocrinol Jap 20:167-74, Apr 73

Effects of ACTH and its synthetic analogues on water balance in rats. Tanaka A, et al.
Endocrinol Jap 20:39-49, Feb 73

Somatotropic and sodium-retaining effects of human growth hormone and placental lactogen in lower vertebrates. Clarke WC, et al.
Endocrinology 93:960-4, Oct 73

A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement of FSH in the ovine estrous cycle, and in several other species including man. Salamonsen LA, et al.
Endocrinology 93:610-8, Sep 73

Isohormones of human growth hormone. 3. Isolation by preparative polyacrylamide gel electrophoresis and characterization. Yadley RA, et al.
Endocrinology 93:866-73, Oct 73

An inhibitory effect of prolactin on the response of rat myometrium to oxytocin. Horrobin DF, et al.
Experientia 29:109-10, 1 May 73

LH-RH interaction with the pituitary plasma membrane. Spona J. **FEBS Lett** 34:24-6, 1 Aug 73

Effect of prolactin on sodium movement in Tilapia mossambica adapted to sea water. Dharmamba M, et al. **Gen Comp Endocrinol** 21:179-87, Aug 73

Influence of large doses of oxytocin on milk ejection and metabolic rate of rat mammary gland. Kuhn ER, et al. **J Dairy Sci** 56:864-8, Jul 73

Water-losing action of antidiuretic hormone in the presence of excess cortisol: restoration of normal action by prolactin or by oxytocin. Horrobin DF, et al.
J Endocrinol 58:135-6, Jul 73

Absence of the luteolytic effect of prolactin in the pregnant rat after hypophysectomy and hysterectomy on day 12. Lam P, et al. **J Endocrinol** 56:609-10, Mar

Detection of prolactin activity by bioassay in human amniotic fluid. Parke L. **J Endocrinol** 58:137-8, Jul

In vitro studies of the human mammary gland: effect of hormones on proliferation in primary cell culture. Flaxman BA. **J Invest Dermatol** 61:67-71, Aug

Effects of hormones, prostaglandins and cyclic-AMP on the synthesis of progesterone by the human placenta in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul

A re-examination of the antigonadal effect of prolactin in the male fowl, Gallus domesticus. Shani J, et al.
J Reprod Fertil 34:167-70, Jul 73

Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al.
J Reprod Fertil [Suppl] 18:15-22, Jul 73

Prolactin, phenothiazines, admission to mental hospital, and carcinoma of the breast. Ettigi P, et al.
Lancet 1:266-7, 4 Aug 73

A rat mammary carcinoma in vivo and in vitro establishment of clonal lines of the tumor. Kano-Sueoka T, et al.
Proc Natl Acad Sci USA 70:1922-6, Jul 73

Possible mode of action of prostaglandins. V Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A.
Prostaglandins 3:189-99, Feb 73

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73

Effects of immunizing turkeys with ovine luteinizing hormone. YoungLai EV.
Steroids Lipids Res 4:6-10, 1973

PHYSIOLOGY

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73

Induction and maintenance of pregnancy without in serum prolactin in rats. Doehler KD, et
Acta Endocrinol [Suppl] (Kbh) 173:45, 1973

Experiments with LH and prolactin antisera and prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in bovine. Hoffmann B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:39, 1973

The gonadotropin receptor of the human corpus luteum. Cole FE, et al.
Am J Obstet Gynecol 117:87-95, 1 Sep 73

Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al.
Am J Obstet Gynecol 117:75-9, 1 Sep 73

Evidence for a physiological role of prolactin in osmoregulation in the rat after its inhibition by 2-bromo- -ergokryptine. Richardson BP.
Br J Pharmacol 47:623P-624P, Mar 73

In vitro studies of the human mammary gland: effect of hormones on proliferation in primary cell culture. Flaxman BA. **J Invest Dermatol** 61:67-71, Aug

Nature, role and control of the gonadotrophins. G RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54

[Prolactin and breast cancer] Horn H, et al.
Harefuah 85:93-4, 15 Jul 73 (

SECRETION

Induction and maintenance of pregnancy without in serum prolactin in rats. Doehler KD, et
Acta Endocrinol [Suppl] (Kbh) 173:45, 197

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97

Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug

Effects of clomiphene, cyclofenil, epimestrol and 4-8347 on pituitary and serum prolactin in male female rats. Maeda HR, et al.
Endocrinol Jap 19:525-32, Dec 72

LIBRARY U. OF L. UNDAS-CHAMPAIGN

anges in FSH, LH and prolactin secretion during strous cycle in rats. Taya K, et al.
ndocrinol Jap 20:199-205, Apr 73
rther studies on the luteotropic action of estrogen in ts. Uchida K, et al. **Endocrinol Jap** 20:103-10, Apr 73
nthesis and release of prolactin in vitro from the nterior pituitary of mouse during estrous cycle. anai R, et al. **Endocrinol Jap** 20:73-5, Feb 73
ect of synthetic TRF on prolactin release in the eep. Fell LR, et al. **Endocrinology** 93:487-91, Aug 73
ects of 2-BR-alpha-ergokryptine (CB 154) on x-linked rejection of pituitary isografts in female 57BL mice. Hoshino K. **Experientia** 29:882-4, 1973
mulation of human prolactin secretion by travenous infusion of L-tryptophan. MacIndoe JH, al. **J Clin Invest** 52:1972-8, Aug 73
yroid hormone inhibition of the prolactin response thyrotropin-releasing hormone. Snyder PJ, et al. **Clin Invest** 52:2324-9, Sep 73
dence for a time delay between prolactin release nd the resulting rise in milk secretion rate in the rat. rosvenor CE, et al. **J Endocrinol** 58:31-9, Jul 73
ly effects of stilboestrol on growth hormone and rolactin secretion and on pituitary mitotic activity in e male rat. Lloyd HM, et al.
Endocrinol 58:227-31, Aug 73
ects of adrenalectomy and-or deficiency of pituitary rolactin secretion on initiation and maintenance of ctation in mice. Nagasawa H, et al.
Endocrinol 58:67-73, Jul 73
emistry of releasing hormones. Sandow J.
Endocrinol 58:32-3, Aug 73
nadotrophins in the ovine oestrous cycle. Goding JR, al. **J Reprod Fertil [Suppl]** 18:31-7, Jul 73
retion and uptake of peroxidase by rat enohypophyseal cells. Pelletier G.
Ultrastruct Res 43:445-59, Jun 73
ion of growth-hormone-release inhibitory hormone healthy men and in acromegaly. Hall R, et al.
ancet 2:581-4, 15 Sep 73
ects of electrochemical stimulation of medial eoptic area on prolactin and luteinizing hormone lease in old female rats. Wuttke W, et al.
fluegers Arch 341:1-6, 1973
ibition of the growth- reaction of the rat enohypophysis to oestrogen by an ergoline rivative. Schreiber B, et al.
ysiol Bohemoslov 22:11-7, 1973
nolar control of prolactin secretion in man. ackman MT, et al. **Science** 181:755-7, 24 Aug 73
pothalamic monoamines during lactation in golden msters] Hermand E.
R Soc Biol (Paris) 166:1716-20, 1972 **(Fre)**
sement membrane of the epithelial bands of the terior hypophyseal lobe in rats] Olivier L, et al.
R Soc Biol (Paris) 166:1413-7, 1972 **(Fre)**
olactin] Kato Y, et al.
n Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref.) **(Jap)**
stpartum amenorrhea and galactorrhea syndrome sociated with primary hypothyroidism. Functional udy of the secretion of prolactin] Pico I, et al.
necol Obstet Mex 33:251-5, Mar 73 (Eng. Abstr.) **(Spa)**

URINE

ttern of luteotropic activity in urine of maturing rls] Krawczuk A, et al.
ndokrynol Pol 24:233-40, May-Jun 73 (Eng. Abstr.) **(Pol)**

MATOTROPIN

te pancreatitis with coexistent diabetes mellitus: experimental study in the dog. Greve T, et al.
n J Vet Res 34:939-45, Jul 73
ction of bovine and ovine pituitary growth rmones with tetranitromethane. Glaser CB, et al.
ochemistry 12:3379-87, 28 Aug 73
pKa values of the -amino groups of peptides rived from the N-terminus of bovine growth rmone. Wallis M.
ochim Biophys Acta 310:388-97, 15 Jun 73
ologic changes on rabbit pituitary after endogenous nadotropin neutralization by antibodies. Von wzewitsch I, et al. **Fertil Steril** 24:618-32, Aug 73
urvey of growth hormone secretion and action. erimee TJ, et al.
etabolism 22:1235-51, Sep 73 (63 ref.)

Human placental lactogen levels and daily insulin requirements in patients with diabetes mellitus complicating pregnancy. Spellacy WN, et al.
Obstet Gynecol 42:330-3, Sep 73
Amphibian pituitary growth hormone and prolactin: immunochemical relatedness to rat growth hormone. Hayashida T, et al. **Science** 182:169-71, 12 Oct 73
[Molecular forms of human growth hormone (HGH): comparison of in vivo forms, purified HGH and HGH secreted by cultured adenohypophyseal cells] Hartemann P, et al.
C R Soc Biol (Paris) 166:1481-5, 1972 **(Fre)**
[Biochemical and immunological properties of human placental lactogen (hPL: human chorionic somatomammotropin, hCS). I. Extraction and purification of hPL (hCS)] Morikawa H.
Folia Endocrinol Jap 49:882-93, 20 Jun 73 (Eng. Abstr.) **(Jap)**
[Hypothalamic peptide stimulating growth hormone release] Iudaev NA, et al.
Dokl Akad Nauk SSSR 210:731-2, 21 May 73 **(Rus)**

ADMINISTRATION & DOSAGE

Dynamics of insulin release by perfused rat pancreases: effects of hypophysectomy, growth hormone, adrenocorticotropic hormone, and hydrocortisone. Curry DL, et al. **Endocrinology** 93:602-9, Sep 73
Results of intermittent human growth hormone (HGH) therapy in hypopituitary dwarfism. Kirkland RT, et al.
J Clin Endocrinol Metab 37:204-11, Aug 73
Suppression of somatotrophs in growth hormone injected rats. Nakayama I, et al.
Z Zellforsch Mikrosk Anat 140:309-14, 1973
[Treatment of hypopituitary dwarfism with human growth hormone] Zachmann M, et al.
Pediatr Pol 48:817-24, Jul 73 (Eng. Abstr.) **(Pol)**

ANALYSIS

Localization of human chorionic gonadotropic and somatomammotropic hormones by the peroxidase immunohistoenzymologic method in villi and amniotic epithelium of human placentas (from six weeks to term). Ikonicoff LK de, et al.
Am J Obstet Gynecol 116:1124-32, 15 Aug 73
The primary structure of sheep pituitary growth hormone. Li CH, et al.
Arch Biochem Biophys 156:493-508, Jun 73
Reaction of bovine and ovine pituitary growth hormones with tetranitromethane. Glaser CB, et al.
Biochemistry 12:3379-87, 28 Aug 73
The pKa values of the -amino groups of peptides derived from the N-terminus of bovine growth hormone. Wallis M.
Biochim Biophys Acta 310:388-97, 15 Jun 73
Isohormones of human growth hormone. 3. Isolation by preparative polyacrylamide gel electrophoresis and characterization. Yadley RA, et al.
Endocrinology 93:866-73, Oct 73
Primary structure of bovine growth hormone. Santomé JA, et al. **Eur J Biochem** 37:164-70, 1 Aug 73
Detection of prolactin activity by bioassay in human amniotic fluid. Parke L. **J Endocrinol** 58:137-8, Jul 73
[Considerations apropos of 7 cases of cerebral gigantism (Sotos' syndrome)] Zappella M, et al.
Pediatrie 28:419-28, Jun 73 **(Fre)**

ANTAGONISTS & INHIBITORS

Effects of hypothyroidism and progesterone on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. **Br J Cancer** 28:161-72, Aug 73
Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73
A survey of growth hormone secretion and action. Merimee TJ, et al.
Metabolism 22:1235-51, Sep 73 (63 ref.)

BIOSYNTHESIS

Studies in congenital generalized lipodystrophy. 3. Growth hormone levels. Oseid S.
Acta Endocrinol (Kbh) 73:427-36, Jul 73
Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al.
Endocrinology 93:767-76, Oct 73

SOMATOTROPIN

Secretion of growth hormone in the rat. Howell SL. **Postgrad Med J** 49:Suppl 1:127-31, Feb 73

BLOOD

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al. **Acta Endocrinol (Kbh)** 73:465-74, Jul 73

Plasma insulin and growth hormone in dairy cows; diurnal variation and relation to food intake and plasma sugar and acetoacetate levels. Hove K, et al. **Acta Endocrinol (Kbh)** 73:289-303, Jun 73

Studies in congenital generalized lipodystrophy. 3. Growth hormone levels. Oseid S. **Acta Endocrinol (Kbh)** 73:427-36, Jul 73

The effect of intravenous L-dopa on growth hormone and luteinizing hormone levels in man. Souvatzoglou A, et al. **Acta Endocrinol (Kbh)** 73:259-65, Jun 73

Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al. **Acta Endocrinol (Kbh)** 73:455-64, Jul 73

Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:169, 1973

Endocrinological findings in patients with glycogenosis. Bierich JR, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:128, 1973

The effect of chlorpromazine on plasma growth hormone levels in acromegaly. Heesen D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:102, 1973

Clinical evaluation of L-dopa as a stimulant of STH secretion in normal and obese persons and in patietns with acromegaly. Lucke C, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:103, 1973

Modification of basal and arginine-induced growth hormone secretion by concomitant fat administration. Raptis S, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:97, 1973

Clinical and endocrinological evaluation of genetically determined dwarfism. Schönberg D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:100, 1973

Insulin-induced changes in blood glucose and HGH in normal, growth-retarded, and obese subjects; a survey of 328 insulin tolerance tests. Schröder KE, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:96, 1973

Biological and immunological activity of exogenous HGH. Werder K von, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:99, 1973

The corticoid, insulin and growth hormone responses to intravenous fructose in men and women. Aitken JM, et al. **Acta Med Scand [Suppl]** 542:165-72, 1972

Metabolic effects of dietary fructose in insulin dependent diabetes of adults. Pelkonen R, et al. **Acta Med Scand [Suppl]** 542:187-93, 1972

Plasma levels of growth hormone and glucagon in diabetic patients and relatives of diabetic patients. Knopf RF, et al. **Adv Metab Disord** 2:Suppl 2:215-25, 1973

Growth hormoe and diabetic angiopathy. Lundbaek K. **Adv Metab Disord** 2:Suppl 2:191-20, 1973

Carbohydrate and lipid studies during six months' treatment with megestrol acetate. Measurements of blood glucose, insulin, growth hormone, and triglycerides. Spellacy WN, et al. **Am J Obstet Gynecol** 116:1074-8, 15 Aug 73

Plasma growth hormone response to exercise as diagnostic aid. Buckler JM. **Arch Dis Child** 48:565-7, Jul 73

Growth hormone release during sleep in growth retarded children. Eastman CJ, et al. **Arch Dis Child** 48:502-7, Jul 73

Exercise as a screening test for growth hormone deficiency in children. Lacey KA, et al. **Arch Dis Child** 48:508-12, Jul 73

A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. **Arch Neurol** 29:258-61, Oct 73

Postoperative glucose metabolism in diabetic and nondiabetic patients. The response of glucose, insulin, growth hormone, corticosteroids, epinephrine, and unesterified fatty acids to extremity surgery. Lindseth RE. **Arch Surg** 105:741-5, Nov 72

Emotional deprivation in three siblings associated wi functional pituitary growth hormone deficienc Rayner PH, et al. **Aust Paediatr J** 9:79-84, Apr

Decreased binding of insulin to its receptors in ra with hormone induced insulin resistance. Goldfine I et al. **Biochem Biophys Res Commun** 53:852-7, 6 Aug

The relationship between changes in plasma grow hormone levels and body temperature occurring wi exercise in man. Buckler JM. **Biomedicine [Express]** 19:193-7, 20 May 73

Childhood obesity and carbohydrate intolerance **Br Med J** 3:122-3, 21 Jul 73

Fenfluramine and growth hormone release. **Br Med J** 3:348-9, 11 Aug 73

Glucagon-initiated human growth hormone release: comparative study. Cain JP, et al. **Can Med Assoc J** 107:617-22, 7 Oct 72

Effect of trimepranol, a beta blocker, on plasma leve of growth hormone, insulin, glucose, and free fat acids. Nedvídková J, et al. **Clin Pharmacol Ther** 14:881-5, Sep-Oct 73

Abnormal serum growth hormone resp nse to exerci in maturity-onset diabetics. Hansen AP. **Diabetes** 22:619-28, Aug 73

Human growth hormone secretion after doubl stimulation with arginine in normal and insulin-dependent diabetic women. Koncz L, et **Diabetes** 22:694-705, Sep 73

Dextran-coated charcoal technique to make th hormone-free serum as a diluent for standard curve radioimmunoassay. Ochi Y, et al. **Endocrinol Jap** 20:1-7, Feb 73

Effect of intravenous and oral administration of L-do on HGH and TSH release. Yoshimura M, et **Endocrinol Jap** 19:543-8, Dec 72

Bovine serum growth hormone, corticoids and insu during lactation. Koprowski JA, et al. **Endocrinology** 93:645-51, Sep 73

Failure of amantadine to modify serum grow hormone and insulin levels. Cavagnini F, et **Experientia** 29:573, 15 May 73

Human growth hormone iso-antibodies in the plasma multiply transfused children with thalassemi Genazzani AR, et al. **Folia Endocrinol (Roma)** 25:401-10, Oct 72

Growth hormone responses to hypoglycaemia arginine tests in hyperthyroid and hypothyr patients. Neri V, et al. **Folia Endocrinol (Roma)** 26:102-9, Apr 73

Growth hormone regulation and hypothalamic-pituitary-adrenal function in anore nervosa. Neri V, et al. **Folia Endocrinol (Roma)** 25:142-52, Apr 72

The importance of the carbohydrate-pattern of common diet. Ziegler E, et al. **Helv Paediatr Acta** 28:215-9, Jul 73

Glucose, FFA, IRI and GH response to I.V. glibenclamide. Rastogi GK, et al. **Horm Metab Res** 5:303, Jul 73

Effects of an oral glucose load on serum immunoreactive insulin, free fatty acid, gro hormone and blood sugar levels in young and eld subjects. Sandberg H, et al. **J Am Geriatr Soc** 21:433-9, Oct 73

Elevations in plasma growth hormone concentra after luteinizing hormone-releasing hormone (L in patients with active acromegaly. Faglia G, et **J Clin Endocrinol Metab** 37:338-40, Aug 73

Results of intermittent human growth hormone (H therapy in hypopituitary dwarfism. Kirkland RT, e **J Clin Endocrinol Metab** 37:204-11, Aug 73

Suppressibility of plasma growth hormone level acromegaly with dexamethasone and phentolam Nakagawa K, et al. **J Clin Endocrinol Metab** 37:238-46, Aug 73

Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elev basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et **J Clin Endocrinol Metab** 37:190-6, Aug 73

Radioreceptor assay for growth hormone. Tsushim et al. **J Clin Endocrinol Metab** 37:334-7, Au

Growth hormone response to intramuscular gluca Wieland RG, et al. **J Clin Endocrinol Metab** 37:329-30, Aug 73

Neural control of counter-regulatory events du glucopenia in man. Brodows RG, et al. **J Clin Invest** 52:1841-4, Aug 73

Endocrine studies in anencephaly. Hayek A, e **J Clin Invest** 52:1636-41, Jul 73

LIBRARY U. OF L. UMDAVIS-CHAMPAIGN

mulation of human prolactin secretion by
ntravenous infusion of L-tryptophan. MacIndoe JH,
t al. **J Clin Invest** 52:1972-8, Aug 73
tabolic effects of exogenous glucocorticoids in
sted man. Owen OE, et al.
Clin Invest 52:2596-605, Oct 73
petitive administration of thyrotropin-releasing
ormone results in small elevations of serum thyroid
ormones and in marked inhibition of thyrotropin
esponse. Snyder PJ, et al.
Clin Invest 52:2305-12, Sep 73
rly effects of stilboestrol on growth hormone and
rolactin secretion and on pituitary mitotic activity in
e male rat. Lloyd HM, et al.
Endocrinol 58:227-31, Aug 73
gulation of growth hormone secretion in the ovine
etus. Wallace AL, et al. **J Endocrinol** 58:89-95, Jul 73
e effect of intravenous catecholamines on
rculating levels of growth hormone, corticotrophin
nd cortisol in man. Wilcox CS, et al.
Endocrinol 58:vi, Jul 73
iological effects of bacterial endotoxins in man. Wolff
M. **J Infect Dis** 128:Suppl:259-64, Jul 73
sma growth hormone and insulin response to
vodopa and amantadine. Kytömäki O, et al.
Neural Transm 34:145-51, 1973
pothalamic gigantism. Costin G, et al.
Pediatr 83:419-25, Sep 73
munoreactive insulin and growth hormone
esponses in patients with Prader-Willi syndrome.
erra A, et al. **J Pediatr** 83:587-93, Oct 73
rnal patterns of secretion of cortisol and growth
ormone in normal adolescents, in patients with
xogenous and endogenous Cushing's syndrome, in
tients with diabetes mellitus, and in a fasting
bject. Vazquez AM, et al. **J Pediatr** 83:578-86, Oct 73
e effect of diet upon the metabolic changes with
xercise in long-distance runners. Johnson RH, et al.
Physiol (Lond) 232:73P-74P, Jul 73
man growth hormone and lung carcinoma. Glass DN,
al. **Lancet** 1:683-4, 25 Mar 72
bohydrate tolerance during the menstrual cycle in
abetics. Walsh CH, et al. **Lancet** 2:413-5, 25 Aug 73
ase of true hermaphroditism with impaired growth
d normal growth hormone levels in a Chinese.
heah JS, et al. **Med J Aust** 2:28-31, 7 Jul 73
persecretion of growth hormone in an acromegalic
25 years' duration. Teo SK, et al.
ed J Malaysia 27:220-2, Mar 73
bohydrate metabolism in uremia: a review.
eFronzo RA, et al.
edicine (Baltimore) 52:469-81, Sep 73 (126 ref.)
urvey of growth hormone secretion and action.
erimee TJ, et al.
etabolism 22:1235-51, Sep 73 (63 ref.)
aired carbohydrate metabolism during a mild viral
ness. Rayfield EJ, et al.
Engl J Med 289:618-21, 20 Sep 73
reases in plasma growth hormone concentration and
so-anal length in rats following isolation of the
edial basal hypothalamus. Mitchell JA, et al.
euroendocrinology 12:161-73, 1973
uitary tumors in women. Downing TA, et al.
bstet Gynecol 42:182-5, Aug 73
-XY mosaicism and nonfluorescent Y chromosome.
audr G, et al. **Obstet Gynecol** 42:421-8, Sep 73
demonstration of insulinopenia in familial
autonomia. Cole HS. **Pediatrics** 52:137-9, Jul 73
cose disappearance rate in symptomatic neonatal
poglycemia. Pildes RS, et al.
diatrics 52:75-82, Jul 73
plication of radioreceptor assay to circulating
sulin, growth hormone, and to their tissue receptors
animals and man. Gorden P, et al.
harmacol Rev 25:179-87, Jun 73 (39 ref.)
um growth hormone in diabetic coma. Alberti KG, et
Postgrad Med J 49:Suppl 1:141-3, Feb 73
ntrol of growth hormone secretion in man. Blackard
G. **Postgrad Med J** 49:Suppl 1:122-6, Feb 73
iodic megaphagia and hypersomnia--an example of
e Kleine-Levin syndrome in an adolescent girl.
lligan BS. **Proc Aust Assoc Neurol** 9:67-72, 1973
omegaly: assessment and selection for treatment.
zarus L. **Proc Aust Assoc Neurol** 9:195-7, 1973
um growth hormone response to exercise in
n-obese and obese normal subjects. Prange Hansen
Scand J Clin Lab Invest 31:175-8, Mar 73
k of glucagon response to hypoglycemia in diabetes:
idence for an intrinsic pancreatic alpha cell defect.
erich JE, et al. **Science** 182:171-3, 12 Oct 73

Ocular manifestations of dwarfism. Rosenthal AR, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1500-18, Nov-Dec 72 (56 ref.)

[Acromegaly. II. Results of surgical treatment of acromegaly evaluated by determination of somatotrophic hormone] Marek J, et al.
Cas Lek Cesk 112:778-82, 1973 (Eng. Abstr.) **(Cze)**

[Acromegaly. 3. Significance of the dynamic study of somatotropin] Marek J, et al.
Cas Lek Cesk 112:849-53, 1973 (Eng. Abstr.) **(Cze)**

[Effect of trimepranol on somatotropin, insulin, glucose and nonesterified fatty acid levels in man] Nedvídková J, et al.
Cas Lek Cesk 112:1041-5, 24 Aug 73 (Eng. Abstr.) **(Cze)**

[Serum growth hormone and insulin level in newborn infants, in basal conditions, after oral glucose load and after intravenous arginine perfusion] Ponté C, et al.
Ann Endocrinol (Paris) 34:66-77, Jan-Feb 73 **(Fre)**

[Blood glucose, blood insulin and plasma somatotropin in course of overload tests in denutrition due to mental anorexia] Stephan F, et al.
Ann Endocrinol (Paris) 34:1-16, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Relations between insulin, growth hormone and hyperlipoproteinemia in chronic kidney failure] Sorge F, et al.
Verh Dtsch Ges Inn Med 78:1472-6, 1972 **(Ger)**

[Significance of basal blood somatotropin in man during normal and pathological states] Giordano G, et al.
Arch E Maragliano Patol Clin 28:73-99, Jan-Jun 72 (Eng. Abstr.) **(Ita)**

[Autonomic nervous system and HCG secretion. I. Effects of catecholamines on the HCG secretion after intravenous loading with tolbutamide or insulin in normal subjects] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:189-205, Jun 73 (Eng. Abstr.) **(Ita)**

[Secretion dynamics of GH in 43 patients with acromegaly] Liuzzi A, et al.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (Eng. Abstr.) **(Ita)**

[Some effects of alcohol loading by oral administration] Ripa R, et al.
G Clin Med 53:494-504, Oct 72 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay of human growth hormone by adsorption to talc] Endo M.
Folia Endocrinol Jap 49:1001-10, 20 Jul 73 (Eng. Abstr.) **(Jap)**

[HGH and HTSH secretion in hypothyroidism] Oyama H, et al.
Folia Endocrinol Jap 49:775-80, 20 May 73 (Eng. Abstr.) **(Jap)**

[New modification of the radioimmunoassay for human prolactin. I] Tamura S, et al.
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abstr.) **(Jap)**

[Growth hormone level in the blood serum after fasting in diabetes mellitus in relation to the degree of compensation, the presence of obesity and retinopathy] Avenirova ZA, et al.
Probl Endokrinol (Mosk) 19:3-8, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Somatotropic activity of blood serum in leukemia patients] Shurygin DIa, et al.
Vopr Onkol 19:13-7, 1973 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The primary structure of sheep pituitary growth hormone. Li CH, et al.
Arch Biochem Biophys 156:493-508, Jun 73

Isohormones of human growth hormone. I. Characterization by electrophoresis and isoelectric focusing in polyacrylamide gel. Chrambach A, et al.
Endocrinology 93:848-57, Oct 73

Isohormones of human growth hormone. 3. Isolation by preparative polyacrylamide gel electrophoresis and characterization. Yadley RA, et al.
Endocrinology 93:866-73, Oct 73

[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.) **(Fre)**

METABOLISM

Clinical evaluation of L-dopa as a stimulant of STH secretion in normal and obese persons and in patietns

with acromegaly. Lucke C, et al.
Acta Endocrinol [Suppl] (Kbh) 173:103, 1973

Modification of basal and arginine-induced growth hormone secretion by concomitant fat administration. Raptis S, et al.
Acta Endocrinol [Suppl] (Kbh) 173:97, 1973

Growth hormoe and diabetic angiopathy. Lundbaek K.
Adv Metab Disord 2:Suppl 2:191-20, 1973

Ophthalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes". Pfeiffer M, et al. **Adv Metab Disord** 2:Suppl 2:317-22, 1973

Use of somatic cell hybrids for analysis of the differentiated state. Davis FM, et al.
Bacteriol Rev 37:197-214, Jun 73 (68 ref.)

Adipose tissue cellularity and metabolism in newly diagnosed juvenile diabetics. Ginsberg-Fellner F, et al. **Diabetes** 22:528-36, Jul 73

Effects of cations and colchicine on the release of prolactin and growth hormone by functional pituitary tumor cells in culture. Gautvik KM, et al.
Endocrinology 93:793-9, Oct 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al.
Endocrinology 93:903-14, Oct 73

Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al.
Endocrinology 93:767-76, Oct 73

Isohormones of human growth hormone. II. Plasmin-catalyzed transformation and increase in prolactin biological activity. Yadley RA, et al.
Endocrinology 93:858-65, Oct 73

Regulation of growth hormone secretion in the ovine foetus. Wallace AL, et al. **J Endocrinol** 58:89-95, Jul 73

14C-alpha-aminoisobutyric acid uptake in vitamin B-6-deficient rats: effect of growth hormone and vitamin B-6. Makris A, et al. **J Nutr** 103:1352-8, Sep 73

A survey of growth hormone secretion and action. Merimee TJ, et al.
Metabolism 22:1235-51, Sep 73 (63 ref.)

The physiology of growth hormone regulation: pre- and postimmunoassay eras. Reichlin S.
Metabolism 22:987-93, Aug 73 (57 ref.)

The relationship between human growth hormone and the development of diabetes mellitus and its complications. Baird JD, et al.
Postgrad Med J 49:Suppl 1:132-40, Feb 73

Clinical features of acromegaly and response to cryohypophysectomy. Hofeldt FD, et al.
Rocky Mt Med J 70:21-4, Aug 73

[Relationships between growth hormone and thyroid hormones in man] Felt V.
Cas Lek Cesk 112:1045-9, 24 Aug 73 (Eng. Abstr.) **(Cze)**

[Diabetic retinopathy and growth hormone secretion in 39 non insulin-dependant diabetic patients] Hautecouverture M, et al.
Nouv Presse Med 2:1817-22, 7 Jul 73 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Comparative studies on the metabolic effects of some parameters of carbohydrate and lipid metabolism after intravenous administration of human placental lactogen, human prolactin and growth hormone. Berle P. **Acta Endocrinol [Suppl] (Kbh)** 173:104, 1973

Short-term response of plasma amino acids to HGH. Stahnke N, et al.
Acta Endocrinol [Suppl] (Kbh) 173:98, 1973

Biological and immunological activity of exogenous HGH. Werder K von, et al.
Acta Endocrinol [Suppl] (Kbh) 173:99, 1973

Effect of growth hormone and prolactin on the body weight and thyroid activity of Spotted Munia. Chandola A, et al.
Ann Endocrinol (Paris) 33:583-91, Nov-Dec 72

Reaction of bovine and ovine pituitary growth hormones with tetranitromethane. Glaser CB, et al.
Biochemistry 12:3379-87, 28 Aug 73

Quantitative determination of somatomedin in human serum (35S uptake by embryonic chick cartilage). Schimpff RM, et al.
Biomedicine [Express] 19:142-7, 10 Apr 73

Beta cell replication in rat pancreatic monolayer cultures. Effects of glucose, tolbutamide, glucocorticoid, growth hormone and glucagon. Chick WL. **Diabetes** 22:687-93, Sep 73

Insulin metabolizing enzyme activities in human placental tissue. Posner BI. **Diabetes** 22:552-63, Jul 73

Somatotropic and sodium-retaining effects of hum growth hormone and placental lactogen in low vertebrates. Clarke WC, et al.
Endocrinology 93:960-4, Oct 73

Dynamics of insulin release by perfused rat pancreas effects of hypophysectomy, growth hormone, adrenocorticotropic hormone, and hydrocortiso Curry DL, et al. **Endocrinology** 93:602-9, Sep

Hypophysectomy and growth hormone alter t aminoacyl-tRNA binding activity of renal corti supernatant. Girgis GR, et al.
Endocrinology 93:436-44, Aug 73

A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement FSH in the ovine estrous cycle, and in several ot species including man. Salamonsen LA, et a **Endocrinology** 93:610-8, Sep 73

Isohormones of human growth hormone. 3. Isolation preparative polyacrylamide gel electrophoresis characterization. Yadley RA, et al.
Endocrinology 93:866-73, Oct 73

The flux of pyruvate in perfused rat heart. Mowbra et al. **Eur J Biochem** 36:362-8, 16 Jul 73

The effect of insulin and growth hormone on the flu tracer from labelled lactate in perfused rat he Mowbray J, et al. **Eur J Biochem** 36:369-79, 16 Ju

Effect of growth hormone and thyroxine on contractile properties of dystrophic muscle. Berk et al. **Experientia** 29:809-10, 1973

The effects of hypophysectomy on the structure function of rat liver mitochondria. Matsubara T, e **J Biochem (Tokyo)** 72:1379-90, Dec 72

Effects of human chorionic somato-mammotrophin porcine growth hormone on the weight of immat mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswa et al. **J Endocrinol** 58:343-4, Aug 73

14C-alpha-aminoisobutyric acid uptake in vita B-6-deficient rats: effect of growth hormone vitamin B-6. Makris A, et al. **J Nutr** 103:1352-8, Se

Effects of various secretagogues upon 42K and 2 uptake during in vitro hormone release from the adenohypophysis. Kraicer J, et al.
J Physiol (Lond) 232:221-37, Jul 73

Effects of thyroxine and growth hormone on the composition of the cerebral cortex and th cerebellum of developing rats. Faryna de Raveg et al. **Neurobiology** 3:176-84, 1973

Regulation of protein synthesis in rat liver cell-systems by amino acids. Clemens MJ.
Proc Nutr Soc 31:273-9, Dec 72 (30 ref.)

[Effects of growth hormone and norethandrol singly and in combination, on nitrogen balance in rat. Summation effect] Elsair J, et al.
Ann Biol Clin (Paris) 31:225-30, 1973 (Eng. Ab

[Can somatotropin stimulate bone resorption Petrovic A, et al.
C R Acad Sci [D] (Paris) 276:2961-4, 28 May 73

[Effects of somatotropin on the growth of the carti of the mandibular condyle and of the spheno-occi synchondrosis in the young rat] Petrovic A, e
C R Acad Sci [D] (Paris) 276:3053-6, 4 Jun 73

PHYSIOLOGY

Lipolytic activity of rat pituitaries in vitro. Lis M,
Horm Metab Res 5:253-8, Jul 73

Carbohydrate metabolism in uremia: a revie DeFronzo RA, et al.
Medicine (Baltimore) 52:469-81, Sep 73 (126

The physiology of growth hormone regulation: pre postimmunoassay eras. Reichlin S.
Metabolism 22:987-93, Aug 73 (57 ref.)

Mechanisms of growth and atrophy of skeletal mu Goldberg AL. **Muscle Biol** 1:89-118, 1972 (55

Cardiogenic shock. Recent advances in pharmaco management. II. Kones RJ.
NY State J Med 73:1967-80, 1 Aug 73 (350

Suppression of somatotrophs in growth hor injected rats. Nakayama I, et al.
Z Zellforsch Mikrosk Anat 140:309-14, 197

[Somatotropic activity of blood serum in leuk patients] Shurygin DIa, et al.
Vopr Onkol 19:13-7, 1973 (Eng. Abstr.)

SECRETION

A study of the biolcal activity and resistan phosphodiesterase of some derivatives and anal

LIBRARY U. OF L. URBANA-CHAMPAIGN

cyclic AMP. Cehovic G, et al.
v Cyclic Nucleotide Res 1:521-40, 1972
wth hormone release during sleep in growth
arded children. Eastman CJ, et al.
ch Dis Child 48:502-7, Jul 73
fluramine and growth hormone release.
Med J 3:348-9, 11 Aug 73
agon-initiated human growth hormone release: a
mparative study. Cain JP, et al.
n Med Assoc J 107:617-22, 7 Oct 72
itary ACTH and GH content associated with the
s of acidophils following thyroidectomy. Yokoyama
Endocrinol Jap 19:533-41, Dec 72
ct of L-5-HTP on the release of growth hormone,
H and insulin. Yoshimura M, et al.
docrinol Jap 20:135-41, Apr 73
wth hormone responses to hypoglycaemia and
inine tests in hyperthyroid and hypothyroid
tients. Neri V, et al.
lia Endocrinol (Roma) 26:102-9, Apr 73
wth hormone regulation and
pothalamic-pituitary-adrenal function in anorexia
rvosa. Neri V, et al.
lia Endocrinol (Roma) 25:143-52, Apr 72
ination of severe height growth suppression
used by treatment with betamethasone after
itching to ACTH-depot in chronic bronchial
hma. Moulaert AJ, et al.
iv Paediatr Acta 27:55-62, Apr 72
y effects of stilboestrol on growth hormone and
olactin secretion and on pituitary mitotic activity in
e male rat. Lloyd HM, et al.
Endocrinol 58:227-31, Aug 73
mistry of releasing hormones. Sandow J.
Endocrinol 58:32-3, Aug 73
pharmacological control of growth hormone
ease. Studies on the action of L-dopa and
lorpromazine in normal subjects and patients with
rkinsonism, acromegaly and delayed onset of
berty. Singh P, et al. J Endocrinol 58:xii, Jul 73
ulation of growth hormone secretion in the ovine
tus. Wallace AL, et al. J Endocrinol 58:89-95, Jul 73
ma growth hormone and insulin response to
odopa and amantadine. Kytömäki O, et al.
Neural Transm 34:145-51, 1973
retion and uptake of peroxidase by rat
enohypophyseal cells. Pelletier G.
Ultrastruct Res 43:445-59, Jun 73
ion of growth-hormone-release inhibitory hormone
healthy men and in acromegaly. Hall R, et al.
ncet 2:581-4, 15 Sep 73
.R.I.H.: an omission in methods. McNeilly AS, et al.
ncet 2:744, 29 Sep 73
sity--a form of malnutrition. Martin MM, et al.
d Ann DC 42:423-8, Sep 73 (42 ref.)
ersecretion of growth hormone in an acromegalic
25 years' duration. Teo SK, et al.
d J Malaysia 27:220-2, Mar 73
urvey of growth hormone secretion and action.
rimee TJ, et al.
tabolism 22:1235-51, Sep 73 (63 ref.)
roendocrine aspects of psychiatric disorders.
riatore AA. N Engl J Med 289:808, 11 Oct 73
trol of growth hormone secretion in man. Blackard
. Postgrad Med J 49:Suppl 1:122-6, Feb 73
cts of training and exercise on growth hormone
ease in man. Devlin JG, et al.
stgrad Med J 49:Suppl 1:144-7, Feb 73
retion of growth hormone in the rat. Howell SL.
stgrad Med J 49:Suppl 1:127-31, Feb 73
agonism of prostaglandin-promoted pituitary cyclic
MP accumulation and growth hormone secretion in
ro by 7-oxa-13-prostynoic acid. Ratner A, et al.
ostaglandins 3:413-9, Apr 73
enizing hormone, follicle stimulating hormone, and
owth hormone secretion in normal adult men during
ep and dreaming. Rubin RT, et al.
ychosom Med 35:309-21, Jul-Aug 73
dy of antehypophyseal function integrity with
cotine stimulation test] Legros JJ, et al.
n Endocrinol (Paris) 33:635-8, Nov-Dec 72 (Eng.
str.) (Fre)
kylosing vertebral hyperostosis. Etiological
vestigations and search for a hypersecretion of
owth hormone] Bregeon C, et al.
v Rhum Mal Osteoartic 40:319-27, May 73 (Eng.
str.) (Fre)
gulatory influence of free fatty acids on nocturnal
cretion of growth hormone] Lucke C, et al.
rh Dtsch Ges Inn Med 78:1318-20, 1972 (Ger)

[Glucagon and its significance for regulation of exocrine pancreas function] Schulz HJ, et al.
Z Gesamte Inn Med 28:313-20, 1 Jun 73 (125 ref.) (Eng. Abstr.) (Ger)

[Aspects of the regulation of the secretion of somatotropin] Giordano G.
Arch E Maragliano Patol Clin 28:1-43, Jan-Jun 72 (Eng. Abstr.) (Ita)

[Autonomic nervous system and HCG secretion. II. Effect of adrenergic blockaders on the excretion of HCG following intravenous loading of tolbutamide] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:206-16, Jun 73 (Eng. Abstr.) (Ita)

[Secretion dynamics of GH in 43 patients with acromegaly] Liuzzi A, et al.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (Eng. Abstr.) (Ita)

[Anomaly of growth hormone secretion and mental disorders] Takahashi K.
Clin Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) (Jap)

[Current topics on cerebral amines: with special reference to the topics at the symposium at the annual meeting of Endocrinology Society] Ito S.
Jap J Clin Med 31:2118-21, Jun 73 (13 ref.) (Jap)

THERAPEUTIC USE

Evaluation of the effectiveness of treatment on adult height prognosis in disorders with advanced and retarded bone age. Height and height velocity related to chronological or to bone age. Bossi E, et al.
Acta Paediatr Scand 62:401-4, Jul 73

Effect of hypophysectomy and growth hormone treatment on the composition of canine aorta. Sirek OV, et al. **Adv Metab Disord 2:Suppl 2:483-91, 1973**

Effect of growth hormone and thyroxine on the contractile properties of dystrophic muscle. Berk SL, et al. **Experientia 29:809-10, 1973**

Results of intermittent human growth hormone (HGH) therapy in hypopituitary dwarfism. Kirkland RT, et al.
J Clin Endocrinol Metab 37:204-11, Aug 73

Caveat to protein replacement therapy for genetic disease. Immunological implications of accurate molecular diagnosis. Boyer SH, et al.
Lancet 2:654-9, 22 Sep 73

[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.) (Fre)

[Study of ribosomal level in the liver of the normal and dwarf mouse] Mellet J.
Biochimie 55:189-94, 1973 (Eng. Abstr.) (Fre)

[Treatment of hypopituitary dwarfism with human growth hormone] Zachmann M, et al.
Pediatr Pol 48:817-24, Jul 73 (Eng. Abstr.) (Pol)

THYROTROPIN

Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Sand T, et al.
Acta Endocrinol (Kbh) 73:444-54, Jul 73

Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Von Lawzewitsch I, et al. **Fertil Steril 24:618-32, Aug 73**

Cell-mediated immunity in the exophthalmos of Graves' disease as demonstrated by the migration inhibition factor (MIF) test. Munro RE, et al.
J Clin Endocrinol Metab 37:286-92, Aug 73

Medical research in a growing community. Sinclair JD.
NZ Med J 78:1-7, 11 Jul 73

[Mechanism of the apperance of thyroid neoplasms in rats] Stoll R, et al.
C R Soc Biol (Paris) 166:1654-6, 1972 (Fre)

ADMINISTRATION & DOSAGE

Effect of thyrotropin and of LATS on mouse thyroid cyclic AMP. Zakarija M, et al.
Metabolism 22:1185-91, Sep 73

Effects of thyrotropin and N6,02'-dibutyryl cyclic 3',5'-adenosine monophosphate on prostaglandin levels in thyroid. Burke G.
Prostaglandins 3:291-7, Mar 73

A quantitative analysis of the effect of thyroid suppression and stimulation on 131 I thyroid trapping. Rosenthall L. **Radiology 108:353-7, Aug 73**

THYROTROPIN

ADVERSE EFFECTS

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72

ANALYSIS

[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al.
Doc Ophthalmol 35:297-307, 27 Jul 73 **(Ger)**
[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) **(Ger)**
[Hyperthyroidism with unusual thyroid stimulator detected in the pituitary gland] Koshiji Y, et al.
Clin Endocrinol (Tokyo) 21:317-21, Mar 73 **(Jap)**
[Radioimmunoassay for pituitary hormones] Miyai K, et al. **Jap J Clin Pathol** 21:293-7, Apr 73 **(Jap)**

ANTAGONISTS & INHIBITORS

[Aspect of the 1st stage of thyroid secretion using scanning electron microscope] Ketelbant-Balasse P, et al.
Ann Endocrinol (Paris) 33:629-31, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973
[Examination of the TRH-TSH axis] Escobar del Rey F.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) **(Ger)**

BLOOD

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al.
Acta Endocrinol (Kbh) 73:465-74, Jul 73
Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al.
Acta Endocrinol (Kbh) 73:455-64, Jul 73
Thyrotropin levels in the plasma of newborns with congenital goiter. Homoki J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:14, 1973
Plasma T-3 at the end of pregnancy in cord blood and during the first days of life. Hüfner M, et al.
Acta Endocrinol [Suppl] (Kbh) 173:16, 1973
The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
The influence of total starvation on the pituitary-thyroid-axis in obese individuals. Rothenbuchner G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:144, 1973
Serum TSH levels in thyroidectomized patients after withdrawal of thyroid hormone therapy or oral administration of TRH. Wenzel KW, et al.
Acta Endocrinol [Suppl] (Kbh) 173:15, 1973
Relationship between the serum thyrotropin level and the responsiveness to gonadotropin therapy in anovulatory women. Seki M, et al.
Acta Obstet Gynaecol Jap 19:94-6, Apr 72
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Poiosa P, et al.
Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72
Treatment of hypothyroidism: a reappraisal of thyroxine therapy. Evered D, et al.
Br Med J 3:131-4, 21 Jul 73
Grades of hypothyroidism. Himsworth RL, et al.
Br Med J 3:295, 4 Aug 73
Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73
Effects of chronic hemodialysis on thyroid function chronic renal failure. Silverberg DS, et al.
Can Med Assoc J 109:282-6, 18 Aug 73
The immunoassay of thyroid-stimulating hormone a its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref
Influence of dexamethasone on TRF induced TS release in rats. Fukatsu H, et al.
Endocrinol Jap 20:81-4, Feb 73
Dextran-coated charcoal technique to make th hormone-free serum as a diluent for standard curve radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73
Effect of intravenous and oral administration of L-do on HGH and TSH release. Yoshimura M, et
Endocrinol Jap 19:543-8, Dec 72
Human growth hormone iso-antibodies in the plasma multiply transfused children with thalassemia Genazzani AR, et al.
Folia Endocrinol (Roma) 25:401-10, Oct 72
Reduced plasma thyrotropin response to thyrotrop releasing hormone after dexamethasone administration in normal subjects. Faglia G, et
Horm Metab Res 5:289-92, Jul 73
Congenital goiter in four euthyroid siblings w glandular and circulating iodoproteins and defect iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73
Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73
Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or eleva basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et
J Clin Endocrinol Metab 37:190-6, Aug 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bas RM, et al. **J Clin Invest** 52:1616-9, Jul 73
Endocrine studies in anencephaly. Hayek A, et
J Clin Invest 52:1636-41, Jul 73
Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe et al. **J Clin Invest** 52:1972-8, Aug 73
Thyroid hormone inhibition of the prolactin respo to thyrotropin-releasing hormone. Snyder PJ, et
J Clin Invest 52:2324-9, Sep 73
Repetitive administration of thyrotropin-releas hormone results in small elevations of serum thy hormones and in marked inhibition of thyrotr response. Snyder PJ, et al.
J Clin Invest 52:2305-12, Sep 73
A solid-phase radioimmunoassay for ovine follicle-stimulating hormone. Cunningham NF, e
J Endocrinol 58:239-49, Aug 73
Thyrotrophin releasing hormone and thyroid funct Hall R. **J Endocrinol** 58:xxxv, Aug 73
Assessment of the radioimmunoassay for pla thyroid-stimulating hormone (TSH) and of TSH-stimulation test in the diagnosis of 1 consecutive patients with suspected hypothyroid Irvine WJ, et al. **J Endocrinol** 58:23-4, Jul
The bioassay of thyroid stimulating hormone in se Tantichareon C, et al.
J Med Assoc Thai 56:453-60, Aug 73
Serum-cholesterol, thyroid failure, and coronary-artery disease. Fowler PB, et al.
Lancet 1:685, 25 Mar 72
Raised plasma-thyroid-stimulating-hormone level thyrotoxic patients treated with iodine-131. Toft et al. **Lancet** 2:644-5, 22 Sep 73
Neurotransmission and secretion of thyroid-stimulating hormone. Tuomisto J, e
Lancet 2:510-1, 1 Sep 73
Varieties of hypothyroidism. Pittman JA Jr.
Med Ann DC 42:435-9, Sep 73
Radioassay and the thyroid gland. Robbins
Metabolism 22:1021-6, Aug 73 (42 ref.)
XO-XY mosaicism and nonfluorescent Y chromos Khudr G, et al. **Obstet Gynecol** 42:421-8, Se
[Practical value of radioimmunoassay of pitu thyreotropic hormone] Chaussain JL, et a
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 Abstr.)
[Effects of TSH releasing factor (TRH) and releasing factor (LH-RH) in hypopituitaris

LIBRARY U. OF L. URBANA-CHAMPAIGN

haussain JL, et al.
an Med Interne (Paris) 123:1041-6, Dec 72 (Fre)
hild hypothyroidism due to isolated defect in ypophyseal thyroid stimulating hormone] Job JC, et Arch Fr Pediatr 30:61-4, Jan 73 (Eng. Abstr.) (Fre)
mple juvenile goiter and blood thyrotropin (TSH) vels. Effects of the thyrotropin releasing factor TRH)] Job JC, et al.
iomedicine [Express] 19:164-8, 10 Apr 73 (Eng. bstr.) (Fre)
hyroid gland function tests] Pfannenstiel P.
ied Klin 68:1143-6, 7 Sep 73 (13 ref.) (Ger)
ssibilities in the use of thyrotropin-releasing ormone (TRH)] Retiene K, et al.
ied Klin 68:1146-50, 7 Sep 73 (Ger)
xamination of the TRH-TSH axis] Escobar del Rey F.
ev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. bstr.) (Ger)
ffects of synthetic thyrotropin releasing hormone on alues of serum TSH in children] Nakajima H, et al.
in Endocrinol (Tokyo) 21:513-6, May 73 (Jap)
hyrotropin releasing factor (TRF) test: andardization of pituitary TSH secretion potential st and results in various endocrine diseases] Otsuki et al.
in Endocrinol (Tokyo) 21:307-16, Mar 73 (Jap)
man thyroid stimulating hormone level in various yroid disorders] Ito J, et al.
olia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. bstr.) (Jap)
H and HTSH secretion in hypothyroidism] Oyama et al.
olia Endocrinol Jap 49:775-80, 20 May 73 (Eng. bstr.) (Jap)
nical study of TRF test. 6. Hypothalamic pothyroidism] Sakoda M, et al.
olia Endocrinol Jap 49:750-60, 20 May 73 (Eng. bstr) (Jap)
nical study of TRF test. 7. TRF test response in pothalamic pituitary disorders] Sakoda M, et al.
olia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)
udies on the thyroid function in the aged as viewed om TRH-TSH system] Kobayashi T, et al.
Jap Soc Intern Med 62:610-9, 10 Jun 73 (Jap)
e usefulness of TRF (thyrotropin releasing factor) st in patients with hypothalamic-pituitary sorders] Otsuki M, et al.
Jap Soc Intern Med 62:353-9, Apr 73 (Jap)
nctional exploration of the TRH-TSH thyroid axis. sts of hypophyseal reserve] Sánchez Martin JA.
v Iber Endocrinol 20:269-87, May-Jun 73 (Eng. bstr.) (Spa)

DIAGNOSTIC USE

cts of chronic hemodialysis on thyroid function in ronic renal failure. Silverberg DS, et al.
n Med Assoc J 109:282-6, 18 Aug 73
ed plasma-thyroid-stimulating-hormone levels in yrotoxic patients treated with iodine-131. Toft AD, al. Lancet 2:644-5, 22 Sep 73
uantitative analysis of the effect of thyroid ppression and stimulation on 131 I thyroid trapping. senthall L. Radiology 108:353-7, Aug 73
ymptomatic struma. Nuclear-medical diagnosis and erapy] Hör G, et al.
ed Klin 68:1164-70, 7 Sep 73 (Ger)
nificance of TRH in the differential diagnosis of roid gland diseases] Pixberg HU, et al.
diol Diagn (Berl) 14:235-8, 1973 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

lytic action of porcine TSH caused by lipotropin ntamination? Weisweiler P, et al.
ta Endocrinol [Suppl] (Kbh) 173:106, 1973

METABOLISM

ct of synthetic thyrotrophin-releasing factor on uitary TSH secretion in normal subjects and ients with hypothalamic-pituitary disorders. uki M, et al.
ta Endocrinol (Kbh) 73:233-49, Jun 73
udy of the biolcical activity and resistance to sphodiesterase of some derivatives and analogues cyclic AMP. Cehovic G, et al.
v Cyclic Nucleotide Res 1:521-40, 1972
thalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes". Pfeiffer M, et al. Adv Metab Disord 2:Suppl 2:317-22, 1973
[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al.
Doc Ophthalmol 35:297-307, 27 Jul 73 (Ger)

PHARMACODYNAMICS

Studies on thyroidal colloid pinocytosis: role of different thyroglobulin pools. Balatti JJ, et al. Acta Endocrinol (Kbh) 73:475-82, Jul 73
Lipolytic action of porcine TSH caused by lipotropin contamination? Weisweiler P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:106, 1973
Studies on the role of cyclic AMP in human lipolysis. Burns TW, et al.
Adv Cyclic Nucleotide Res 1:63-85, 1972
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al.
Biochim Biophys Acta 304:686-92, 28 May 73
Effects of ACTH and its synthetic analogues on water balance in rats. Tanaka A, et al.
Endocrinol Jap 20:39-49, Feb 73
Effects of TSH on the chemical composition of orbital tissue in guinea pigs. Andrews AD, et al.
Endocrinology 93:527-31, Sep 73
Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al.
Endocrinology 93:532-9, Sep 73
Effect of repeated administration of excess iodide on thyroid hormone secretion in rats, with special reference to the escape from the iodide effect. Otake M, et al. Endocrinology 93:343-7, Aug 73
A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement of FSH in the ovine estrous cycle, and in several other species including man. Salamonsen LA, et al.
Endocrinology 93:610-8, Sep 73
Retrobulbar modifications in experimental exophthalmos: the effect of thyrotropin and an exophthalmos producing substance derived from thyrotropin on the 35SO4 incorporation and glycosaminoglycan content of Harderian glands. Winand RJ, et al. Endocrinology 93:670-80, Sep 73
Adenylate-cyclase receptors for adrenergic neurotransmitters in rat cerebral cortex. Hungen D von, et al. Eur J Biochem 36:391-401, 16 Jul 73
Effect of thyroxine on nervous system in controlling chicken heart rate. Shimada K, et al.
Gen Comp Endocrinol 21:196-201, Aug 73
Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al.
J Biol Chem 248:5705-11, 25 Aug 73
Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al.
J Reprod Fertil [Suppl] 18:15-22, Jul 73
Effect of thyrotropin and of LATS on mouse thyroid cyclic AMP. Zakarija M, et al.
Metabolism 22:1185-91, Sep 73
Transport capacity of median eminence. IV. In vivo thyroxine transport. Silverman AJ, et al.
Neuroendocrinology 12:212-23, 1973
The effect of LATS and TSH on protein and RNA synthesis in isolated thyroid cells. el-Khatib SM, et al.
Proc Soc Exp Biol Med 143:869-78, Jul 73
Comparative effects of purine nucleotides on thyrotropin- and prostaglandin E1-responsive adenylate cyclase in thyroid plasma membrane. Burke G. Prostaglandins 3:537-40, Apr 73
Effects of thyrotropin and N6,02'-dibutyryl cyclic 3',5'-adenosine monophosphate on prostaglandin levels in thyroid. Burke G.
Prostaglandins 3:291-7, Mar 73
Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Kowalski K, et al. Prostaglandins 2:441-52, Dec 72
Effects of immunizing turkeys with ovine luteinizing hormone. YoungLai EV.
Steroids Lipids Res 4:6-10, 1973
[Effect of starvation on thyroid function in rats] Tonooka N, et al.
Folia Endocrinol Jap 49:1034-42, 20 Jul 73 (Eng. Abstr.) (Jap)

THYROTROPIN

PHYSIOLOGY

The gonadotropin receptor of the human corpus luteum. Cole FE, et al.
Am J Obstet Gynecol 117:87-95, 1 Sep 73
The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)
Effect of lithium on thyroid in man. Villeneuve A, et al.
Lancet 2:502, 1 Sep 73
[Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid] Sato S, et al.
Clin Endocrinol (Tokyo) 21:489-94, May 73 **(Jap)**

SECRETION

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
The release of TSH from organ cultures of human fetal pituitary glands. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:13, 1973
Thyroid function and morphology in rabbits following active immunization with thyroxine or triidothyronine. Usadel KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:12, 1973
A study of the biolcical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al.
Adv Cyclic Nucleotide Res 1:521-40, 1972
Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Polosa P, et al.
Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72
The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
Clinical applications of thyrotrophin-releasing hormone. Hall R. **Clin Sci** 44:2P passim, Feb 73
Influence of dexamethasone on TRF induced TSH release in rats. Fukatsu H, et al.
Endocrinol Jap 20:81-4, Feb 73
Effect of L-5-HTP on the release of growth hormone, TSH and insulin. Yoshimura M, et al.
Endocrinol Jap 20:135-41, Apr 73
Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al.
Horm Metab Res 5:289-92, Jul 73
Neural mechanisms of pituitary control. Cross BA.
J Endocrinol 58:xxxiixxii, Aug 73
Binding of thyroid hormones to a soluble fraction from porcine anterior pituitary. Sufi SB, et al.
J Endocrinol 58:41-52, Jul 73
Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man, with special reference to the evaluation for TRF test. Otsuki M, et al. **Kobe J Med Sci** 18:215-28, Dec 72
Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73
Neurotransmission and secretion of thyroid-stimulating hormone. Tuomisto J, et al.
Lancet 2:510-1, 1 Sep 73
[Pituitary reactivity to thyrotropin releasing hormone (TRH) in patients with hyperthyroidism considered as clinically cured] Beckers C, et al.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al.
Doc Ophthalmol 35:297-307, 27 Jul 73 **(Ger)**
[Examination of the TRH-TSH axis] Escobar del Rey F.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) **(Ger)**
[Hyperthyreosis caused by a TSH-producing chromophobe hypophyseal adenoma] Hrubesch M, et al. **Verh Dtsch Ges Inn Med** 78:1529-32, 1972 **(Ger)**
[Thyrotropin releasing factor (TRF) test: standardization of pituitary TSH secretion potential test and results in various endocrine diseases] Otsuk M, et al.
Clin Endocrinol (Tokyo) 21:307-16, Mar 73 **(Jap**
[Clinical cases with interesting responses in TRF test Sakota M, et al.
Clin Endocrinol (Tokyo) 21:431-7, Apr 73 **(Ja**
[Hypothalamus hormone] Aberg B.
Sven Tandlak Tidskr 66:315-7, May 73 **(Sw**

THERAPEUTIC USE

A case of hypopituitarism associated with sickle c trait. Robertson JC. **Guys Hosp Rep** 121:223-6, 19

URINE

[Long-term studies of thyreotropic hormone pattern urine of girls between the age of 10 and 13] Krawcz A, et al.
Endokrynol Pol 24:241-8, May-Jun 73 (Eng. Abst (P

VASOPRESSIN

Cervical cone biopsies with the use of a solution vasopressin and oxidized gauze packing. Jonas AG
Am J Obstet Gynecol 117:188-93, 15 Sep 73
Effects of ACTH and its synthetic analogues on wa balance in rats. Tanaka A, et al.
Endocrinol Jap 20:39-49, Feb 73
Conformational studies of oxytocin, lysine vasopres arginine vasopressin, and arginine vasotocin carbon-13 nuclear magnetic resonance spectrosco Walter R, et al.
Proc Natl Acad Sci USA 70:2086-90, Jul 73
[Determination of antidiuretic hormone: a ma problem in the study of physiopathology] Nawar T al.
Union Med Can 102:912-7, Apr 73 (80 ref.) (E Abstr.) (F

ADMINISTRATION & DOSAGE

Long-term ADH-treatment of rats with genet diabetes insipidus. Oster P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:154, 197
Effect of antidiuretic hormone on hepatic blood flo the dog. Lechín F, et al.
Acta Gastroenterol Latinoam 5:1-8, Jan-Mar
Selective arteriography and infusion in diagnosis treatment of acute gastrointestinal bleeding. Fl JW, et al. **Am Surg** 39:448-52, Aug 73
Changes in plasma levels of vasopressin and reni response to haemorrhage in dogs. Cousineau D, e
Br J Pharmacol 47:315-24, Feb 73
Vasopressin analogue DDAVP in diabetes insipi clinical and laboratory studies. Edwards CR, e
Br Med J 3:375-8, 18 Aug 73
Management of bleeding esophageal varices in elderly. Wells RF. **Geriatrics** 28:90-3, Oct
Specific binding of (3H) lysine-vasopressin to kidney plasma membranes. Relationship of rece occupancy to adenylate cyclase activation. Bocka et al. **J Biol Chem** 248:5922-31, 10 Sep 73
An in vitro assay for corticotropin releasing fact using suspensions of isolated pituitary cell Portanova R, et al. **Neuroendocrinology** 12:236-48,
Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73
A comparison of patterns of changes in urine flow urine electrical conductivity induced by exoge ADH in hydrated rats. Kimura T, et al.
Tohoku J Exp Med 109:281-96, Mar 73

ADVERSE EFFECTS

[Diabetogenic effect of vasopressin] Martin W.
Verh Dtsch Ges Inn Med 78:1522-5, 1972

ANALYSIS

Subcellular organization of neurophysins, oxy (8-lysine)-vasopressin and adenosine triphosph in porcine posterior pituitary lobes. Pickup JC,
Biochem J 132:361-71, Mar 73
Pituitary insufficiency, inappropriate antidiu hormone (ADH) secretion, and carcinoma o bronchus. Epstein S, et al. **Cancer** 32:476-81, A

LIBRARY U. OF L. URBANA-CHAMPAIGN

radioimmunoassay of oxytocin and vasopressin.
ard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)
rumentation for the maintenance of an open-loop
ndition in the body-fluid volume-control system of
all laboratory animals and for the automatic
cording of urine flow and conductivity during
tidiuretic-hormone bioassay. Merletti R, et al.
d **Biol Eng** 11:480-9, Jul 73
mparison of patterns of changes in urine flow and
ne electrical conductivity induced by exogenous
)H in hydrated rats. Kimura T, et al.
hoku J Exp Med 109:281-96, Mar 73

ANTAGONISTS & INHIBITORS

face coating and transport. Leaf A.
omembranes 3:349-55, 1972
pressin: possible role of microtubules and
crofilaments in its action. Taylor A, et al.
ence 181:347-50, 27 Jul 73

BIOSYNTHESIS

neoplastic syndromes. A clinically relevant
cept in cancer. Lawrence W Jr, et al.
Med Mon 100:738-49, Aug 73

BLOOD

nges in plasma levels of vasopressin and renin in
sponse to haemorrhage in dogs. Cousineau D, et al.
J Pharmacol 47:315-24, Feb 73
pressin analogue DDAVP in diabetes insipidus:
nical and laboratory studies. Edwards CR, et al.
Med J 3:375-8, 18 Aug 73
measurement of arginine vasopressin in human
sma by radioimmunoassay. Morton JJ.
n Sci 45:5P, Jul 73
um thyrotropin (TSH) in pituitary and-or
pothalamic hypothyroidism: normal or elevated
al levels and paradoxical responses to
rotropin-releasing hormone. Patel YC, et al.
Clin Endocrinol Metab 37:190-6, Aug 73
elopment and clinical application of a new method
the radioimmunoassay of arginine vasopressin in
man plasma. Robertson GL, et al.
Clin Invest 52:2340-52, Sep 73
radioimmunoassay of oxytocin and vasopressin.
ard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)
termination of antidiuretic hormone: a major
oblem in the study of physiopathology] Nawar T, et

ion Med Can 102:912-7, Apr 73 (80 ref.) (Eng.
str.) **(Fre)**
ctric stimulation of the olfactory nerve and
uresis] Orlandi F, et al.
lia Endocrinol (Roma) 26:152-60, Apr 73 (Eng.
str.) **(Ita)**

CHEMICAL SYNTHESIS

d-phase synthesis of lysine vasopressin analogs:
beta-mercaptopropionic acid,
ysine)-vasopression and
beta-mercaptopropionic acid,
epsilon-N-p-toluenesulfonyl)-lysine)-vasopressin.
vran RT. **Experientia** 29:520-1, 15 May 73
thesis and some of the pharmacological properties
(4-leucine)-8-lysine-vasopressin and
deamino,4-leucine)-8-lysine-vasopressin. Dyckes
et al. **J Med Chem** 16:843-7, Jul 73
d-phase synthesis and some pharmacological
operties of deamino-4-threonine analogs of the
sopressins and vasotocin and
eamino)arginine-vasotocin. Manning M, et al.
Med Chem 16:836-9, Jul 73

DIAGNOSTIC USE

othalamic-pituitary-adrenal function in patients
th pituitary tumours. Faglia G, et al.
ta Endocrinol (Kbh) 73:223-32, Jun 73
dies in congenital generalized lipodystrophy. 3.
owth hormone levels. Oseid S.
ta Endocrinol (Kbh) 73:427-36, Jul 73
year follow-up of a child with Bartter syndrome.
manathan K, et al. **Am J Dis Child** 126:230-5, Aug 73
hrogenic diabetes insipidus in a dog. Lage AL.
Am Vet Med Assoc 163:251-3, 1 Aug 73
temia and nephrogenic diabetes insipidus after
arteriography. Kovnat PJ, et al.
Radiology 108:541-2, Sep 73
[Quantitative estimates of variance components in
"normal value"] Sakurai H, et al.
Jap J Hyg 27:488-93, Feb 73 (Eng. Abstr.) **(Jap)**

ISOLATION & PURIFICATION

Neurohypophysial hormones and evolution of
tetrapods. Acher A, et al.
Nature [New Biol] 244:124-6, 25 Jul 73

METABOLISM

The actions of cyclic nucleotides on the toad bladder.
Ferguson DR, et al.
Adv Cyclic Nucleotide Res 1:113-9, 1972
Mechanism of histamine-induced antidiuretic
response. Bhargava KP, et al.
Br J Pharmacol 47:700-6, Apr 73
Specific binding of (3H) lysine-vasopressin to pig
kidney plasma membranes. Relationship of receptor
occupancy to adenylate cyclase activation. Bockaert J,
et al. **J Biol Chem** 248:5922-31, 10 Sep 73
Angiotensin receptors in smooth muscle cell
membranes. Devynck MA, et al.
Nature [New Biol] 245:55-8, 12 Sep 73
Medical research council unit for metabolic studies in
psychiatry, Sheffield. Jenner FA.
Psychol Med 3:379-84, Aug 73

PHARMACODYNAMICS

Long-term ADH-treatment of rats with genetic
diabetes insipidus. Oster P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:154, 1973
Effect of antidiuretic hormone on hepatic blood flow in
the dog. Lechín F, et al.
Acta Gastroenterol Latinoam 5:1-8, Jan-Mar 73
Alterations in sweat gland function produced by
pharmacological agents. Siegers JF.
Adv Biol Skin 12:477-93, 1972 (51 ref.)
Role of cyclic AMP in the action of neurohypophyseal
hormones on kidney. Dousa TP, et al.
Adv Cyclic Nucleotide Res 1:121-35, 1972
Dual effect of left atrial receptors on excretion of
sodium and water in the dog. Gillespie DJ, et al.
Am J Physiol 225:706-10, Sep 73
Sodium dependence of base-line and ADH-stimulated
short-circuit current in toad bladder. Mendoza SA.
Am J Physiol 225:476-80, Aug 73
Lithium-induced diabetes insipidus: manic symptoms,
brain and electrolyte correlates, and chlorothiazide
treatment. Levy ST, et al.
Am J Psychiatry 130:1014-8, Sep 73
Hypercarbic anaesthesia in carotid endarterectomy.
Tinker JH. **Anaesthesia** 28:578, Sep 73
Renal response in sepsis. Hermreck AS, et al.
Arch Surg 107:169-75, Aug 73
Surface coating and transport. Leaf A.
Biomembranes 3:349-55, 1972
Changes in plasma levels of vasopressin and renin in
response to haemorrhage in dogs. Cousineau D, et al.
Br J Pharmacol 47:315-24, Feb 73
Effect of phospholipase C on calcium release from
epithelia treated with antidiuretic hormone. Cuthbert
AW, et al. **Br J Pharmacol** 47:778-81, Apr 73
Cardiovascular effects of some peptide analogues
consisting of cystine and-or tyrosine. Yamatake Y, et
al. **Chem Pharm Bull (Tokyo)** 21:1157-60, May 73
Insulin metabolizing enzyme activities in human
placental tissue. Posner BI. **Diabetes** 22:552-63, Jul 73
Improvement by exogenous cyclic AMP of hereditary
vasopressin-resistant diuresis in mice with normal
adenyl cyclase system of the kidney cells. Osawa M, et
al. **Endocrinol Jap** 20:77-80, Feb 73
Modulation of adenyl cyclase action in toad bladder by
chlorpropamide: antagonism to prostaglandin E. Ozer
A, et al. **Eur J Pharmacol** 22:227-32, Jun 73
Effect of vasopressin on the renal tubular reabsorption
and cortico-papillary concentration gradient of
phenacetin and its metabolites. Barraclough MA, et al.
Experientia 28:1065-6, 15 Sep 72
Thermal activation of the cyclic AMP stimulated
sodium transport across isolated toad bladder and
Na+-K+ ATPase in toad bladder homogenates. Snart
RS, et al. **Experientia** 28:1028-9, 15 Sep 72
Effect of prostaglandins on cyclic AMP concentrations
in toad bladder and rat kidney. Besley GT, et al.
FEBS Lett 31:269-72, 1 May 73

VASOPRESSIN

Lipolytic activity of rat pituitaries in vitro. Lis M, et al. **Horm Metab Res** 5:253-8, Jul 73

Suppression of the hypothalamic-pituitary-adrenal-axis with dexamethasone. Morgner KD, et al. **Horm Metab Res** 5:307, Jul 73

Specific binding of (3H) lysine-vasopressin to pig kidney plasma membranes. Relationship of receptor occupancy to adenylate cyclase activation. Bockaert J, et al. **J Biol Chem** 248:5922-31, 10 Sep 73

A saturable, vasopressin-sensitive carrier for urea and acetamide in the toad bladder epithelial cell. Levine S, et al. **J Clin Invest** 52:2083-6, Aug 73

Water-losing action of antidiuretic hormone in the presence of excess cortisol: restoration of normal action by prolactin or by oxytocin. Horrobin DF, et al. **J Endocrinol** 58:135-6, Jul 73

Synthesis and some of the pharmacological properties of (4-leucine)-8-lysine-vasopressin and (1-deamino,4-leucine)-8-lysine-vasopressin. Dyckes DF, et al. **J Med Chem** 16:843-7, Jul 73

Solid-phase synthesis and some pharmacological properties of deamino-4-threonine analogs of the vasopressins and vasotocin and (deamino)arginine-vasotocin. Manning M, et al. **J Med Chem** 16:836-9, Jul 73

Mechanism of the synergistic lethality between pentazocine and vasopressin in the rat. Chau TT, et al. **J Pharmacol Exp Ther** 186:288-96, Aug 73

Effects of various secretagogues upon 42K and 22NA uptake during in vitro hormone release from the rat adenohypophysis. Kraicer J, et al. **J Physiol (Lond)** 232:221-37, Jul 73

Cardiovascular actions of vasopressin. Nakano J. **Jap Circ J** 37:363-81, Apr 73 (319 ref.)

An in vitro assay for corticotropin releasing factor(s) using suspensions of isolated pituitary cells. Portanova R, et al. **Neuroendocrinology** 12:236-48, 1973

Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al. **Proc Soc Exp Biol Med** 143:661-6, Jul 73

Vasopressin: possible role of microtubules and microfilaments in its action. Taylor A, et al. **Science** 181:347-50, 27 Jul 73

A comparison of patterns of changes in urine flow and urine electrical conductivity induced by exogenous ADH in hydrated rats. Kimura T, et al. **Tohoku J Exp Med** 109:281-96, Mar 73

[Research on certain biochemical mechanisms during hepatic regeneration. Comparative study of the action of small doses of ionizing radiations and some hormones and immunosuppressive drugs] Ghizari E, et al. **Rev Roum Physiol** 10:317-21, 1973 **(Fre)**

[Effect of hormones on hepatic transaminase activity during liver regeneration in rats] Ghizari E, et al. **Rev Roum Physiol** 9:345-53, 1972 **(Fre)**

[Antinatriuretic effect of acute constriction of the thoracic inferior vena cava] Shiigai T. **Jap J Nephrol** 15:171-80, Mar 73 (Eng. Abstr.) **(Jap)**

PHYSIOLOGY

Vasopressin: possible role of microtubules and microfilaments in its action. Taylor A, et al. **Science** 181:347-50, 27 Jul 73

[The conformation of natural peptides and their biological activity] Siemion IZ. **Postepy Hig Med Dosw** 27:311-27, May-Jun 73 (Eng. Abstr.) **(Pol)**

SECRETION

Influence of sleep-waking and nociceptor-induced behavior on the activity of supraoptic neurons in the hypothalamus of the monkey. Hayward JN, et al. **Brain Res** 57:461-6, 27 Jul 73

Pituitary insufficiency, inappropriate antidiuretic hormone (ADH) secretion, and carcinoma of the bronchus. Epstein S, et al. **Cancer** 32:476-81, Aug 73

Electrolyte disturbances in respiratory diseases. Weiss H. **Geriatrics** 28:151-4, Oct 73

[3 cases of Schwartz-Bartter syndrome during bronchial cancers observed in a department of general medicine in less than one year] Klepping C, et al. **Sem Hop Paris** 49:1087-92, 26 Mar 73 **(Fre)**

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al. **Klin Wochenschr** 51:361-76, 15 Apr 73 (183 ref.) (E Abstr.) (G

[Electric stimulation of the olfactory nerve a diuresis] Orlandi F, et al. **Folia Endocrinol (Roma)** 26:152-60, Apr 73 (E Abstr.) (I

[A case of the syndrome of inappropriate secretion antidiuretic hormone(SIADH) associated with undifferentiated carcinoma of large cell type of lung] Kobatake K, et al. **J Jap Soc Intern Med** 62:368-73, Apr 73 (J

THERAPEUTIC USE

Long-term ADH-treatment of rats with genet diabetes insipidus. Oster P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:154, 1973

Selective arteriography and infusion in diagnosis treatment of acute gastrointestinal bleeding. Fin JW, et al. **Am Surg** 39:448-52, Aug 73

Vasopressin analogue DDAVP in diabetes insipid clinical and laboratory studies. Edwards CR, et **Br Med J** 3:375-8, 18 Aug 73

Improvement by exogenous cyclic AMP of heredit vasopressin-resistant diuresis in mice with nor adenyl cyclase system of the kidney cells. Orawa M al. **Endocrinol Jap** 20:77-80, Feb 73

Vasopressin-resistant diabetes insipidus associa with short-term demethylchlortetracycline (declomycin) therapy. Maxon HR 3d, et al. **Milit Med** 138:500-1, Aug 73

[Ornithine 8-vasopressin (POR 8) as a vasoconstric agent in otolaryngological operations] Härmä R, e **Duodecim** 89:543-7, 1973 (Eng. Abstr.) (

[Use of POR 8 in urologic surgery] Bergmann **Z Urol Nephrol** 65:775-9, Oct 72 (

TOXICITY

Morbid effects of pitressin on the rat kidn Melissinos K, et al. **J Endocrinol** 56:617-8, Ma

Mechanism of the synergistic lethality betwe pentazocine and vasopressin in the rat. Chau TT, e **J Pharmacol Exp Ther** 186:288-96, Aug 73

URINE

Comparison of radioimmunoassay and bioassay human antidiuretic hormone (ADH) in urin Freisenhausen HD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:155, 197

The radioimmunoassay of oxytocin and vasopre Chard T. **J Endocrinol** 58:143-60, Jul 73 (48

Urinary antidiuretic hormone excretion during menstrual cycle and pregnancy in the monkey. M M, et al. **Neuroendocrinology** 12:174-8, 1973

[Determination of antidiuretic hormone: a m problem in the study of physiopathology] Nawar al. **Union Med Can** 102:912-7, Apr 73 (80 ref.) (Abstr.) (

[Electric stimulation of the olfactory nerve diuresis] Orlandi F, et al. **Folia Endocrinol (Roma)** 26:152-60, Apr 73 (Abstr.)

[A study on diurnal variation in urine excretio Observations in nocturnal enuresis and other dis without enuresis] Miki A. **Jap J Urol** 64:41-56, Jan 73 (Eng. Abstr.) (

VASOTOCIN

Inactivation of melanocyte-stimulating hormo release-inhibiting factor by a manganese-stimu bovine brain aminopeptidase. Simmons WH, **J Biol Chem** 248:5780-4, 25 Aug 73

Development and clinical application of a new m for the radioimmunoassay of arginine vasopres human plasma. Robertson GL, et al. **J Clin Invest** 52:2340-52, Sep 73

Conformational studies of oxytocin, lysine vasopr arginine vasopressin, and arginine vasotoci carbon-13 nuclear magnetic resonance spectros Walter R, et al. **Proc Natl Acad Sci USA** 70:2086-90, Jul

ANALYSIS

[Biochemical and histological arguments in favor parallel transport and accumulation of hormon

LIBRARY U. OF I., URBANA-CHAMPAIGN

eurosecretory granules in the hypophysectomized el] Holder FC.
Zellforsch Mikrosk Anat 140:333-55, 1973 (Eng. bstr.) (Fre)

ANTAGONISTS & INHIBITORS

ctivation of vasotocin by hen's tissues in vitro. rzezińska-Siebodzińska, et al.
xperientia 29:111-2, 1 May 73
synthesis of a vasotocin-like peptide in cell cultures om pineal glands of human fetuses. Pavel S, et al.
cience 181:1252-3, 28 Sep 73

BIOSYNTHESIS

synthesis of a vasotocin-like peptide in cell cultures om pineal glands of human fetuses. Pavel S, et al.
cience 181:1252-3, 28 Sep 73

CHEMICAL SYNTHESIS

id-phase synthesis and some pharmacological roperties of deamino-4-threonine analogs of the asopressins and vasotocin and deamino)arginine-vasotocin. Manning M, et al.
Med Chem 16:836-9, Jul 73

METABOLISM

e actions of cyclic nucleotides on the toad bladder. erguson DR, et al.
dv Cyclic Nucleotide Res 1:113-9, 1972

PHARMACODYNAMICS

ropuncture study of the renal actions of rginine-vasotocin in Necturus maculosus. Garland O, et al. J Endocrinol 58:xxvi-xxvii, Jul 73
id-phase synthesis and some pharmacological roperties of deamino-4-threonine analogs of the asopressins and vasotocin and deamino)arginine-vasotocin. Manning M, et al.
Med Chem 16:836-9, Jul 73
synthesis of a vasotocin-like peptide in cell cultures om pineal glands of human fetuses. Pavel S, et al.
cience 181:1252-3, 28 Sep 73

IV. Related Topics

CYCLOFENIL

PHARMACODYNAMICS

Effect of cyclophenyl and clomiphene on excretion of urinary LH. Ishizuka N, et al.
Endocrinol Jap 20:51-7, Feb 73

Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al.
Endocrinol Jap 19:525-32, Dec 72

THERAPEUTIC USE

[Gonadotropin therapy from the viewpoint of gynecologic office practice] Denzler U.
Geburtshilfe Frauenheilkd 33:581-3, Jul 73 (Eng. Abstr.) (Ger)

HYPOPHYSECTOMY

Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73

Comparison of radioimmunoassay and bioassay for human antidiuretic hormone (ADH) in urine. Freisenhausen HD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:155, 1973

Fine structure of corticotrophic cells and of pituitary adenomas in Cushing's syndrome. Saeger W.
Acta Endocrinol [Suppl] (Kbh) 173:28, 1973

The functional significance of "episodic" LH secretion. Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973

Human somatomedians. Purification and some studies on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 1973

Growth hormoe and diabetic angiopathy. Lundbaek K.
Adv Metab Disord 2:Suppl 2:191-20, 1973

Effect of hypophysectomy and growth hormone treatment on the composition of canine aorta. Sirek OV, et al. **Adv Metab Disord** 2:Suppl 2:483-91, 1973

Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al.
Am J Physiol 225:508-12, Aug 73

The proliferative response after partial hepatectomy in hypophysectomized rats bearing portacaval anastomoses. Weinbren K, et al.
Br J Exp Pathol 54:429-36, Aug 73

Treatment of diabetic retinopathy.
Br Med J 3:421-2, 25 Aug 73

Pattern of recruitment of oocytes to second growth phase in normal toads, and in hypophysectomized toads, Bufo bufo bufo (L.), treated with gonadotropin (HCG). Jorgensen CB.
Gen Comp Endocrinol 21:152-9, Aug 73

Disseminated carcinoma of the breast: principles of treatment. Kaufman S. **Geriatrics** 28:135-8, Oct 73

Pituitary plugs. (The normal and abnormal postoperative appearance following radiofrequency hypophysectomy). Libshitz HI, et al.
J Can Assoc Radiol 24:137-40, Jun 73

Absence of the luteolytic effect of prolactin in the pregnant rat after hypophysectomy and hysterectomy on day 12. Lam P, et al. **J Endocrinol** 56:609-10, Mar 73

Effects of adrenalectomy and of hypophysectomy on the development of sound-withdrawal hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:96-100, Feb 73

Current status of diabetic and sickle cell retinopathies. Patz A. **Md State Med J** 22:59-62, Sep 73

The microsurgical revolution in otolaryngology. Rice JC. **Med J Aust** 2:1011-4, 28 Oct 72

Acromegaly: assessment and selection for treatment. Lazarus L. **Proc Aust Assoc Neurol** 9:195-7, 1973

Clinical features of acromegaly and response to cryohypophysectomy. Hofeldt FD, et al.
Rocky Mt Med J 70:21-4, Aug 73

[Correction by hypophysectomy of platelet hyperaggregation observed during diabetic retinopathy] Passa P, et al.
Nouv Presse Med 2:2057, 8 Sep 73 (F

[Hormonal status following hypophysectomy] Weisbecker L, et al.
Verh Dtsch Ges Inn Med 78:1525-9, 1972 (G

[Subunits of human chorionic gonadotropin] Tojo S, al.
Folia Endocrinol Jap 49:599-611, 20 Mar 73 (E Abstr.) (J

ADVERSE EFFECTS

Clinical features of acromegaly and response cryohypophysectomy. Hofeldt FD, et al.
Rocky Mt Med J 70:21-4, Aug 73

LACTATION

Plasma insulin and growth hormone in dairy co diurnal variation and relation to food intake plasma sugar and acetoacetate levels. Hove K, et
Acta Endocrinol (Kbh) 73:289-303, Jun 73

Propranolol therapy during pregnancy and lactat Levitan AA, et al. **Am J Cardiol** 32:247, Aug

Influence of a viral enteric infection on the aminog and pathology of protein-calorie malnutrition in pig. Isoun T, et al. **Am J Clin Nutr** 26:835-44, Au

Effects of dietary supplementation of monosod glutamate on infant monkeys, weanling rats, suckling mice. Wen CP, et al.
Am J Clin Nutr 26:803-13, Aug 73

Functional aspects of ultrasound production by in albino rats (Rattus norvegicus). Allin JT, et
Anim Behav 20:175-85, Feb 72

Effects of handling on maternal behaviour in the mo (Mus musculus): an observational study. Priestna
Anim Behav 21:383-6, May 73

Stearyl-CoA desaturase of bovine mammary microsomes. McDonald TM, et al.
Arch Biochem Biophys 156:223-31, May 73

Studies on the immunological cross-reactivity physical properties of fatty acid synthetases. Smi
Arch Biochem Biophys 156:751-8, Jun 73

Changes of the activities of adenyl cyclase cAMP-phosphodiesterase and of the level of 3'5' c adenosine monophosphate in rat mammary g during pregnancy and lactation. Sapag-Hagar M, e
Biochem Biophys Res Commun 53:982-7, 6 Au

The synthesis of medium-chain fatty acids lactating-rabbit mammary gland studied in v Strong CR, et al. **Biochem J** 132:121-3, Ja

Specific estrogen receptors in the lactating mamm gland of the rat. Gardner DG, et al.
Biochemistry 12:3090-6, 31 Jul 73

Specific cytoplasmic glucocorticoid hormone recep in lactating mammary glands. Shyamala G.
Biochemistry 12:3085-90, 31 Jul 73

Palmitic acid and initiation of mammary glyce synthesis via phosphatidic acid. Kinsella JE, e
Biochim Biophys Acta 316:109-13, 19 Jul 7

Long-chain bases in the sphingolipids of bovine and kidney, rumen bacteria, rumen protozoa, ha concentrate. Morrison WR.
Biochim Biophys Acta 316:98-107, 19 Jul 7

Distribution of glutamine hexosephosphate aminotransferase in rat tissues; changes with sta differentiation. Richards TC, et al.
Biochim Biophys Acta 304:842-50, 28 May

The development of tumours in a female rat and offspring, following administration of diethylnitrosamine to the mother during nur Schoental R, et al. **Br J Cancer** 28:84, Ju

A preliminary study of the milk productio bodyweight changes and some blood characterist underfed beef cows. Economides SJ, et a
Br Vet J 129:63-72, Jan-Feb 73

Penetration of lincomycin and clindamycin into m ewes. Ziv G, et al. **Br Vet J** 129:83-91, Jan-F

Muscle creatine: in vivo depletion by feed

LIBRARY U. OF L. URBANA-CHAMPAIGN

ta-guanidinopropionic acid. Shields RP, et al.
n J Biochem 51:1046-9, Jul 73
cinogenesis by urethan via mother's milk and its
hancement of transplacental carcinogenesis in
ce. Nomura T. Cancer Res 33:1677-83, Jul 73
reased taurine excretion in relation to childbirth,
tation and progestin-estrogen therapy. Armstrong
). Clin Chim Acta 46:253-6, 14 Jul 73
ects of clomiphene, cyclofenil, epimestrol and Ro
347 on pituitary and serum prolactin in mature
male rats. Maeda HR, et al.
docrinol Jap 19:525-32, Dec 72
adotropin levels in lactating rats: effect of
ariectomy. Ford JJ, et al.
docrinology 93:540-7, Sep 73
ine serum growth hormone, corticoids and insulin
ring lactation. Koprowski JA, et al.
docrinology 93:645-51, Sep 73
influence of lactation on luteal function in the
esus monkey. Weiss G, et al.
docrinology 93:954-9, Oct 73
ulation of the intracellular distribution of acetyl
A and CoA, based on the use of citrate synthase as
equilibrium enzyme. Gumaa KA, et al.
BS Lett 29:193-6, 15 Jan 73
e characteristics of metabolism of organochlorine
mpounds in the bovine. Stull JW, et al.
d Proc 32:1995-2002, Sep 73
ma calcitonin-like activity and urinary cyclic
enosine monophosphate during pregnancy,
rturition, and lactation in cows with parturient
pocalcemia. Black HE, et al.
rm Metab Res 5:297-302, Jul 73
nents of dietetics for the general practitioner.
wonwu CO. Int Dent J 23:317-27, Jun 73
ponses to infection with Haemonchus contortus and
ichostrongylus colubriformis in ewes of different
productive status. O'Sullivan BM, et al.
J Parasitol 3:521-30, Jul 73
ding studies with ethephon growth regulator in the
ry cow. Gutenmann WH, et al.
Agric Food Chem 21:742-3, Jul-Aug 73
ioisotope residues and residues of dichlorvos and
metabolites in pregnant sows and their progeny
sed with dichlorvos- 14 C or dichlorvos- 36 Cl
mulated as PVC pellets. Potter JC, et al.
Agric Food Chem 21:734-8, Jul-Aug 73
abolic studies with chloropropylate acaricide in the
ry cow. ST. John LE Jr, et al.
Agric Food Chem 21:644-6, Jul-Aug 73
wth and reproductive performance of bulls and
ifers fed purified and natural diets. VI. Growth,
rus, conception rate, gestation and milk production
females. Bond J, et al. J Anim Sci 37:141-7, Jul 73
ne requirement of the lactating sow. Lewis AJ, et
J Anim Sci 37:104-10, Jul 73
inase isozymes of rat mammary gland, liver, and
ner tissues. Glass RD, et al.
Biol Chem 248:5785-9, 25 Aug 73
biology of Hyostrongylus rubidus. VI. The
ri-parturient faecal egg output in pigs. Burden DJ,
al. J Comp Pathol 83:71-81, Jan 73
mmary blood flow and glucose uptake in lactating
ws given dexamethasone. Hartmann PE, et al.
Dairy Sci 56:896-902, Jul 73
cose redistribution in lactating cows given
xamethasone. Kronfeld DS, et al.
Dairy Sci 56:903-8, Jul 73
ther evidence of plasma membrane material in skim
lk. Plantz PE, et al. J Dairy Sci 56:978-83, Aug 73
d characterization of bovine serum lipoproteins
roughout gestation and lactation. Raphael BC, et al.
Dairy Sci 56:1025-32, Aug 73
d and protein composition in cows milked
epartum. Zeliger Y, et al.
Dairy Sci 56:869-72, Jul 73
ct of undernutrition during the perinatal period on
ies development in the rat. IV. Effects of
ferential tooth eruption and exposure to a
riogenic diet on subsequent dental caries incidence.
naker L, et al. J Dent Res 52:692-7, Jul-Aug 73
ct of undernutrition during the perinatal period on
ies development in the rat. 3. Effects of
dernutrition on biochemical parameters in the
veloping submandibular salivary gland. Menaker L,
al. J Dent Res 52:688-91, Jul-Aug 73
ct of undernutrition during the perinatal period on
ies development in the rat. 11. Caries susceptibility
nderfed rats supplemented with protein or caloric
additions during the suckling period. Menaker L, et al.
J Dent Res 52:680-7, Jul-Aug 73
Uptake in vitro of (3H)oxytocin by the mammary gland and other tissues of the rat. Egan SM, et al.
J Endocrinol 58:289-303, Aug 73
Evidence for a time delay between prolactin release and the resulting rise in milk secretion rate in the rat. Grosvenor CE, et al. J Endocrinol 58:31-9, Jul 73
Effects of adrenalectomy and-or deficiency of pituitary prolactin secretion on initiation and maintenance of lactation in mice. Nagasawa H, et al.
J Endocrinol 58:67-73, Jul 73
Reflex release of milk-ejection activity by stimulation of organs in the pelvic region in sheep as studied by cross-circulation experiments. Peeters G, et al.
J Endocrinol 58:53-66, Jul 73
Vulnerability of developing brain: relative effects of growth restriction during the fetal and suckling periods on behavior and brain composition of adult rats. Smart JL, et al. J Nutr 103:1327-38, Sep 73
Serum oestrogens and progesterone after normal delivery. Said S, et al.
J Obstet Gynaecol Br Commonw 80:542-5, Jun 73
Serum thyroxine levels in the perinatal guinea pig (Cavia porcellus). Pals AJ, et al.
Lab Anim Sci 23:511-4, Aug 73
Maternal diet and lipid composition of breast milk. Gairdner D. Lancet 2:563, 8 Sep 73
Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973
An atypical form of Corynebacterium pyogenes isolated from a case of chronic bovine mastitis. Engebretsen O. Nord Vet Med 24:639-44, Dec 72
Cortisone induction of small bowel sucrase activity.
Nutr Rev 31:158-9, May 73 (4 ref.)
Effects of brief postnatal fasting upon brain development in rabbits.
Nutr Rev 31:166, May 73 (2 ref.)
Induction of parturition in cattle with corticosteroids: an analysis of field trials. Welch RA, et al.
NZ Vet J 21:103-8, Jun 73
Dietary self-selection by pregnant and lactating rats. Leshner AI, et al. Physiol Behav 8:151-4, Jan 72
Effects of mother-litter separation on survival, growth, and brain amino acid levels. Plaut SM, et al.
Physiol Behav 8:43-51, Jan 72
Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Currie WB, et al. Prostaglandins 4:201-14, Aug 73
Some aspects of ewe nutrition. Robinson JJ.
Vet Rec 92:602-6, 9 Jun 73
Antibiotics in the dry cow. Ross DI.
Vet Rec 92:628, 9 Jun 73
Subcellular distribution of neurophysin in rats subjected to haemorrhage, salt-loading and lactation and in rats with hereditary diabetes insipidus (Brattleboro strain). Norström A.
Z Zellforsch Mikrosk Anat 140:413-24, 1973
[Demonstration of an odor linked to lactation and stimulating aggressive behavior in a group of female mice] Haug M.
C R Acad Sci [D] (Paris) 276:3457-60, 25 Jun 73 (Fre)
[Hypothalamic monoamines during lactation in golden hamsters] Hermand E.
C R Soc Biol (Paris) 166:1716-20, 1972 (Fre)
[Utilization of labelled ammonium bicarbonate and urea for milk protein synthesis] Gruhn K, et al.
Arch Exp Veterinaermed 27:157-63, 1973 (Eng. Abstr.) (Ger)
[Studies with labeled urea on lactating ruminants. 3. Utilization of urea-nitrogen] Thelemann W, et al.
Arch Tierernaehr 23:175-82, Apr 73 (Eng. Abstr.) (Ger)
[Activity of gamma-GT (gamma-glutamyltranspeptidase) in bovine serum] Unglaub W, et al.
Dtsch Tieraerztl Wochenschr 80:131-4, 15 Mar 73 (Eng. Abstr.) (Ger)
[Fluoride content of unerupted rat molars in dependence on maternal fluoride offering during mating, pregnancy and lactation] Loew RK, et al.
Dtsch Zahnaerztl Z 28:705-10, Jun 73 (Eng. Abstr.) (Ger)
[Biological behavior or radio-technetium, radio-indium and radio-gallium during lactation] Hör G, et al.
Int J Appl Radiat Isot 24:525-9, Sep 73 (Eng. Abstr.) (Ger)
[Pregnancy complications due to nutrition disorders] Rippmann ET. Med Klin 68:914-9, Jul 73 (Ger)

LACTATION

[Humoral immune response in the sheep following the administration of an inactivated rabies vaccine] Wachendörfer G, et al.
Zentralbl Veterinaermed [B] 20:118-26, Mar 73 (Eng. Abstr.) **(Ger)**

[Sucking strength of newborn infants] Filippova GI.
Sov Zdravookhr Kirg 5:60-3, Sep-Oct 72 **(Rus)**

[Determination of the cellular makeup of milk] Kozyrev IuA. **Veterinariia** 1:85-8, Jan 72 **(Rus)**

[Dry cow therapy] Bratlie O.
Nord Vet Med 24:433-9, Sep 72 (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats. Shellabarger CJ, et al.
Cancer Res 33:1567-9, Jul 73

A counteraction of cortisol on lactation depressing effect of estradiol in the mouse. Mizuno H, et al.
Endocrinol Jap 20:167-74, Apr 73

Influence of large doses of oxytocin on milk ejection and metabolic rate of rat mammary gland. Kuhn ER, et al. **J Dairy Sci** 56:864-8, Jul 73

Effects of chronic insulin and cortisol administration on lactational performance and mammary metabolism in rats. Raskin RL, et al. **J Dairy Sci** 56:1033-41, Aug 73

Effects of adrenalectomy and-or deficiency of pituitary prolactin secretion on initiation and maintenance of lactation in mice. Nagasawa H, et al.
J Endocrinol 58:67-73, Jul 73

The lack of effect of aldosterone on milk secretion in the goat. Peaker M, et al. **J Endocrinol** 58:139-40, Jul 73

An antilactogenic effect of pyridoxine. Foukas MD.
J Obstet Gynaecol Br Commonw 80:718-20, Aug 73

The hypocalcemic effect of protamine in goats and sheep. Luthman J, et al.
Zentralbl Veterinaermed [A] 20:110-5, Mar 73

[Chemistry, pharmacology and administration of 1-methylthiocarbamoyl-2(1'-methylallyl)thiocarbamoylhydrazine (METHALLIBURUM)] Löw O.
Arch Exp Veterinaermed 26:883-938, Dec 72 (Eng. Abstr.) **(Ger)**

[Prolonged gestation in the blue fox after treatment with choriongonadotropins] Moller OM.
Nord Vet Med 24:492-500, Oct 72 (Eng. Abstr.) **(Nor)**

SOMATOMEDIN

Human somatomedians. Purification and some studies on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 1973

ANALYSIS

Quantitative determination of somatomedin in hum serum (35S uptake by embryonic chick cartilag Schimpff RM, et al.
Biomedicine [Express] 19:142-7, 10 Apr 73

BLOOD

Human somatomedians. Purification and some stud on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 197

Quantitative determination of somatomedin in hun serum (35S uptake by embryonic chick cartilag Schimpff RM, et al.
Biomedicine [Express] 19:142-7, 10 Apr 73

A novel procedure for the purification of bov somatomedin. Liberti JP.
Can J Biochem 51:1113-9, Jul 73

ISOLATION & PURIFICATION

Human somatomedians. Purification and some stud on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 197

A novel procedure for the purification of bov somatomedin. Liberti JP.
Can J Biochem 51:1113-9, Jul 73

METABOLISM

Human somatomedians. Purification and some stud on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 197

Quantitative determination of somatomedin in hu serum (35S uptake by embryonic chick cartila Schimpff RM, et al.
Biomedicine [Express] 19:142-7, 10 Apr 73

A survey of growth hormone secretion and act Merimee TJ, et al.
Metabolism 22:1235-51, Sep 73 (63 ref.)

PHARMACODYNAMICS

Human somatomedians. Purification and some stu on their biological actions. Uthne K.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 19

A novel procedure for the purification of bo somatomedin. Liberti JP.
Can J Biochem 51:1113-9, Jul 73

LIBRARY U. OF L. URBANA-CHAMPAIGN

Physical and Functional Aspects

HYROID GLAND

dies on thyroidal colloid pinocytosis: role of fferent thyroglobulin pools. Balatti JJ, et al. cta Endocrinol (Kbh) 73:475-82, Jul 73
gual thyroid. Clinical characteristics of 15 cases. einas FW, et al. Ann Intern Med 79:205-10, Aug 73
magglutination by type SAT 2 foot-and-mouth sease viruses. Booth JC, et al.
Gen Virol 19:397-404, Jun 73
roid cells in Graves' disease. Indiveri F, et al. ancet 2:743-4, 29 Sep 73
leties of hypothyroidism. Pittman JA Jr.
ed Ann DC 42:435-9, Sep 73
travascular fluid paths between the thyroid and mic gland] Ikeda M.
onago Acta Med 16:135-60, Dec 72 (Eng. Abstr.) (Ger)
yroid scintigram. 2. Nodular goiter] Kinoshita F.
p J Clin Radiol 18:449-50, Jun 73 (Jap)
yroid scintigram. 1] Kinoshita F.
p J Clin Radiol 18:375-6, May 73 (Jap)
NA-polymerase complexes with DNA. II. Obtaining mplexes resistant to treatment with DNAase I] bilashvili RSh, et al.
ol Biol 7:93-104, Jan-Feb 73 (Eng. Abstr.) (Rus)

ABNORMALITIES

ncephaly: a review. Nakano KK.
rkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)
te tuberculous abscess of the thyroid gland. hnson AG, et al. Br J Surg 60:668-9, Aug 73
unusual cause of hypothyroidism (following cision of lingual thyroid) in a Chinese boy. Cheah et al. Med J Malaysia 27:217-9, Mar 73
lue of the gamma-camera in thyroid gland studies] ille P, et al
an Endocrinol (Paris) 34:40-7, Jan-Feb 73 (Eng. bstr.) (Fre)
sitional anomalies of the thyroid gland] Fontányi S, al. Orv Hetil 114:2038-40, 26 Aug 73 (Hun)

ANALYSIS

lation and immunological examination of the -called thyralbumin(TA). Cernelč M, et al. llerg Immunol (Leipz) 18:177-82, 1972
nhistone chromosomal proteins of rat tissues. A mparative study by gel electrophoresis. Wu FC, et Biochemistry 12:2792-7, 17 Jul 73
yadenylic acid segment in polyribosomal bonucleic acid of cultured thyroid cells. Bećarević et al. FEBS Lett 29:164-6, 15 Jan 73
iodothyronine and thyroxine in the serum and yroid glands of iodine-deficient rats. Abrams GM, et J Clin Invest 52:2522-31, Oct 73
ecificity of the evidence of glycogen in leukocytes, ver and striated muscle. Glycogen hydrolysis by -1,4-, 6 amyloglucosidase] Mähr G, et al.
lin Wochenschr 51:570-1, 1 Jun 73 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

effect of amprolium and of payzone on the nctional state of the thyroid in growing chickens. ndersson P, et al. Acta Vet Scand 14:225-8, 1973
structure of the thyroid gland in Rana ridibunda Pall. and Rana lessonae Cam. François-Krassowska A. Bull Acad Pol Sci [Biol] 21:357-63, 1973
Ectopic cartilage in thyroid. Weitzner S, et al. Oral Surg 36:241-2, Aug 73
[Thyroid function using 131-I in the budgerigar, (Melopsittacus undulatus), as compared to autoradiography and morphology] Robiller F, et al. Arch Exp Veterinaermed 26:875-82, Oct 72 (Eng. Abstr.) (Ger)
[Determination of thyroid gland weight with the aid of scintigraphy and ultrasonic tomography] Hülse R, et al.
Strahlentherapie [Sonderb] 72:454-7, 1972 (Eng. Abstr.) (Ger)
[Re-evaluation of the weight of the thyroid gland determined by thyroid scanning] Kezuka M, et al. Jap J Nucl Med 10:75-7, Apr 73 (Eng. Abstr.) (Jap)
[Homotransplantation of the thyroid-parathyroid complex in an experiment on dogs and puppies] Tochilin VI.
Probl Endokrinol (Mosk) 19:100-4, May-Jun 73 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Anatomic considerations in parathyroid venous sampling. Shimkin PM, et al.
Am J Roentgenol Radium Ther Nucl Med 118:654-62, Jul 73
Vascularity of the thyroid in Graves' disease. Ozaki O, et al. Yonago Acta Med 16:1-4, Feb 72
[Circulatory changes in experimental hyperthyroidism in rats. II. Blood flow through endocrine glands] Kapitola J, et al.
Sb Lek 75:231-6, Aug 73 (Eng. Abstr.) (Cze)
[Age difference of the karyometric values in the blood capillary endothelium nuclei of the human thyroid gland] Cho T.
Yonago Acta Med 16:121-34, Dec 72 (Eng. Abstr.) (Ger)
[Clinical application of thyroid angiography in thyroid diseases] Mihashi S, et al.
J Otolaryngol Jap 76:427-31, Apr 73 (Jap)
[Development of the thyroid gland in the ontogenesis of the rat] Zenzerov VS, et al.
Izv Akad Nauk SSSR [Biol] 3:400-8, May-Jun 73 (Eng. Abstr.) (Rus)
[Homotransplantation of the thyroid-parathyroid complex in an experiment on dogs and puppies] Tochilin VI.
Probl Endokrinol (Mosk) 19:100-4, May-Jun 73 (Eng. Abstr.) (Rus)

CYTOLOGY

Ultrastructural and cytochemical studies on the thyroid gland of normal metamorphosing frogs (Rana japonica Guenther). II. Peroxidase activity. Nanba H.
Arch Histol Jap 35:313-22, May 73
Electron microscopic studies on the thyroid gland of larval salamanders Hynobius nebulosus during metamorphosis. Setoguti T.
Arch Histol Jap 35:377-93, Jul 73
Nonhistone chromosomal proteins of rat tissues. A comparative study by gel electrophoresis. Wu FC, et al. Biochemistry 12:2792-7, 17 Jul 73
The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al.
Biochim Biophys Acta 304:686-92, 28 May 73

Degranulated acidophils as a possible original source of "thyroidectomy cells" in the rat hypophysis. Yoshimura F, et al. **Endocrinol Jap** 20:181-98, Apr 73

Polyadenylic acid segment in polyribosomal ribonucleic acid of cultured thyroid cells. Bećarević A, et al. **FEBS Lett** 29:164-6, 15 Jan 73

A goitrous subject with defective synthesis of diiodotyrosine due to thyroglobulin abnormalities. Kusakabe T. **J Clin Endocrinol Metab** 37:317-25, Aug 73

The effect of LATS and TSH on protein and RNA synthesis in isolated thyroid cells. el-Khatib SM, et al. **Proc Soc Exp Biol Med** 143:869-78, Jul 73

[Aspect of the 1st stage of thyroid secretion using scanning electron microscope] Ketelbant-Balasse P, et al. **Ann Endocrinol (Paris)** 33:629-31, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Age difference in the frequency of Barr nuclear body in the thyroid gland of dogs] Egawa J. **Yonago Acta Med** 16:229-32, Feb 73 (Eng. Abstr.) **(Ger)**

[C-cells of thyroid gland and calcitonin] Meng W. **Z Aerztl Fortbild (Jena)** 67:545-7, Jun 73 **(Ger)**

[Separation of plasma membrane of the bovine thyroid and activity of adenyl-cyclase of the isolate] Sato S, et al. **Clin Endocrinol (Tokyo)** 21:503-8, May 73 **(Jap)**

[Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid] Sato S, et al. **Clin Endocrinol (Tokyo)** 21:489-94, May 73 **(Jap)**

[Development of the thyroid gland in the ontogenesis of the rat] Zenzerov VS, et al. **Izv Akad Nauk SSSR [Biol]** 3:400-8, May-Jun 73 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The significance of iodine in the aggregation of subunits into thyroglobulin and in the formation of 27S iodoprotein. Sinadinović J, et al. **Acta Endocrinol (Kbh)** 73:43-58, May 73

Recurrence of thyrotoxicosis with regard to thyroid suppressibility after treatment with antithyroid drugs. Hackenberg K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:20, 1973

3 MG L-thyroxine as single dose for testing thyroidal suppressibility. Mahlstedt J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:19, 1973

Functional behaviour of compensated autonomous nodules of the thyroid after ingestion of iodinated contrast media with strong protein binding. Mahlstedt J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:21, 1973

The effect of amprolium and of payzone on the functional state of the thyroid in growing chickens. Andersson P, et al. **Acta Vet Scand** 14:225-8, 1973

On the effect of payzone-feeding on some blood constituents of growing chickens. Andrsson P, et al. **Acta Vet Scand** 14:229-32, 1973

Microangiopathy and early diabetic-like sugar tolerances in animals with induced thyroid immunity. Premachandra BN, et al. **Adv Metab Disord** 2:Suppl 2:235-43, 1973

Effect of growth hormone and prolactin on the body weight and thyroid activity of Spotted Munia. Chandola A, et al. **Ann Endocrinol (Paris)** 33:583-91, Nov-Dec 72

The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al. **Biochim Biophys Acta** 304:686-92, 28 May 73

Effect of 1-a-methylallylthiocarbamoyl-2-methylthiocarbamoylhydrazine(methallibure) on the endocrine glands in gilts (hypophysis, thyroid, suprarenal). Bielański A. **Bull Acad Pol Sci [Biol]** 21:445-7, 1973

Does LATS protector stimulate the human thyroid? Kendall-Taylor P, et al. **Clin Sci** 45:2P, Jul 73

Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF. **Comp Biochem Physiol [A]** 44:911-7, 1 Mar 73

Resistance of rat thyroid iodoprotein to proteolysis following large doses of radioiodine. Kobayashi I, et al. **Endocrinology** 93:593-601, Sep 73

Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al. **Endocrinology** 93:532-9, Sep 73

An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oashi T, et al. **Endocrinology** 93:880-6, Oct 73

Effect of repeated administration of excess iodide o thyroid hormone secretion in rats, with speci reference to the escape from the iodide effect. Otai M, et al. **Endocrinology** 93:343-7, Aug 73

Function of peroxidase and NADPH cytochrome reductase during the Wolff-Chaikoff effect. Yamamoto K, et al. **Endocrinology** 93:822-8, Oct

Changes induced by the acute administration of iodi on secretion of iodinated components by the thyroid gland perfused in situ. Berthezene F, et **Experientia** 29:613-5, 15 May 73

Reduced plasma thyrotropin response to thyrotrop releasing hormone after dexamethasone administration in normal subjects. Faglia G, et **Horm Metab Res** 5:289-92, Jul 73

Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al. **J Biol Chem** 248:5705-11, 25 Aug 73

The influence of pre-operative drug therapy lymphoid tissue in patients with primary thyrotoxicosis. Simpson JG, et al. **J Pathol** 109:p8, Jan 73

Effect of lithium on thyroid in man. Lloyd GG, et **Lancet** 2:619, 15 Sep 73

Effect of lithium on thyroid in man. Villeneuve A, et **Lancet** 2:502, 1 Sep 73

Effect of thyrotropin and of LATS on mouse thyr cyclic AMP. Zakarija M, et al. **Metabolism** 22:1185-91, Sep 73

Stimulation of calcitonin release in vitro by purine a pyrimidine nucleotides. Bell NH. **Nature [New Biol]** 245:85-6, 19 Sep 73

The effect of LATS and TSH on protein and R synthesis in isolated thyroid cells. el-Khatib SM, et **Proc Soc Exp Biol Med** 143:869-78, Jul 73

Relative antithyroid effects of 2-thiouracil, 2-thiouridine and 2-thio-UMP. Yu MY, et al **Proc Soc Exp Biol Med** 143:672-6, Jul 73

Effects of thyrotropin and N6,02'-dibutyryl cy 3',5'-adenosine monophosphate on prostaglandi levels in thyroid. Burke G. **Prostaglandins** 3:291-7, Mar 73

Comparative effects of purine nucleotides on thyrotropin- and prostaglandin E1-responsive adenylate cyclase in thyroid plasma membrane. Bu G. **Prostaglandins** 3:537-40, Apr 73

Lung scanning for the detection of endobronc foreign bodies in infants and children. Clinical experimental studies. Rudavsky AZ, et al. **Radiology** 108:629-33, Sep 73

[Simple juvenile goiter and blood thyrotropin (T levels. Effects of the thyrotropin releasing fa (TRH)] Job JC, et al. **Biomedicine [Express]** 19:164-8, 10 Apr 73 Abstr.)

[Chemistry, pharmacology and administration 1-methylthiocarbamoyl-2(1'-methylallyl)thiocarbamoylhydrazine (METHALLIBURUM)] Löw O. **Arch Exp Veterinaermed** 26:883-938, Dec 72 Abstr.)

[Quantitative and histologic studies of the fetal maternal thyroid gland of the rat following propylthiouracil treatment] Städtler F, et **Beitr Pathol** 149:293-306, Jul 73 (Eng. Abstr.)

[Side-effects and effects of lithium therapy on endocrinium in man] Gerdes H. **Internist (Berlin)** 14:175-6, Apr 73 (18 ref.)

[Neurotherapeutic effect of procaine injections on bovine thyroid gland] Kothbauer O, et al. **Milit Med** 138:223-5, Sep 73 (Eng. Abstr.)

[Toxicity of 3',4'-dideoxykanamycin B. 1. Acute toxi in mice and rats] Koeda T, et al. **Jap J Antibiot** 26:221-7, Jun 73 (Eng. Abstr.)

[Biological activity of synthetic thyrotropin relea factor] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 19:50-2, May-Jun 73 Abstr.)

[Treatment with metronidazole of endocrine exophthalmos] González-Bárcena D, et al. **Arch Invest Med (Mex)** 4:69-74, 1973 (Eng. Ab

EMBRYOLOGY

[Development of the thyroid gland in the ontoge of the rat] Zenzerov VS, et al. **Izv Akad Nauk SSSR [Biol]** 3:400-8, May-Jun 73 Abstr.)

LIBRARY U. OF L. URBANA-CHAMPAIGN

ENZYMOLOGY

istructural and cytochemical studies on the roid gland of normal metamorphosing frogs (Rana onica Guenther). II. Peroxidase activity. Nanba H. h Histol Jap 35:313-22, May 73
role of phospholipids in TSH stimulation of nylate cyclase in thyroid plasma membranes. nashita K, et al.
chim Biophys Acta 304:686-92, 28 May 73
cts of hormones on development of fetal enzymes. engard O.
Pharmacol Ther 14:721-6, Jul-Aug 73
LATS protector stimulate the human thyroid? ndall-Taylor P, et al. Clin Sci 45:2P, Jul 73
tion of peroxidase and NADPH cytochrome C uctase during the Wolff-Chaikoff effect. namoto K, et al. Endocrinology 93:822-8, Oct 73
ein phosphokinases of bound and free thyroid ribosomes. Pavlovic-Hournac M, et al.
88 Lett 33:65-9, 15 Jun 73
oitrous subject with defective synthesis of dotyrosine due to thyroglobulin abnormalities. akabe T. J Clin Endocrinol Metab 37:317-25, Aug 73
onstration of iodide transport defect but normal de organification in nonfunctioning nodules of an thyroid glands. Field JB, et al.
Clin Invest 52:2404-10, Oct 73
decarboxylase in medullary carcinoma of the roid. Atkins FL, et al.
Engl J Med 289:545-8, 13 Sep 73
ive antithyroid effects of 2-thiouracil, iouridine and 2-thio-UMP. Yu MY, et al.
c Soc Exp Biol Med 143:672-6, Jul 73
parative effects of purine nucleotides on rotropin- and prostaglandin E1-responsive nylate cyclase in thyroid plasma membrane. Burke
Prostaglandins 3:537-40, Apr 73
otropin- and prostaglandin E2-responsive adenyl ase in thyroid plasma membranes. Kowalski K, et
Prostaglandins 2:441-52, Dec 72
aration of plasma membrane of the bovine thyroid activity of adenyl-cyclase of the isolate] Sato S, et
Clin Endocrinol (Tokyo) 21:503-8, May 73 (Jap)

ETIOLOGY

r-borne transmission of ramphenicol-resistant Salmonella typhi in ico. Gonzalez-Cortes A, et al.
cet 2:605-7, 15 Sep 73

GROWTH & DEVELOPMENT

elopment of the thyroid gland in the ontogenesis the rat] Zenzerov VS, et al.
Akad Nauk SSSR [Biol] 3:400-8, May-Jun 73 (Eng. r.) (Rus)

IMMUNOLOGY

ogeneity of long acting thyroid stimulating TS)-activity, thyroglobulin antibodies and oid microsomal antibodies. Adlkofer F, et al.
Endocrinol (Kbh) 73:483-8, Jul 73
e mechanism of the ring zone effect obtained with mixed haemadsorption technique. Studies with ned model systems. Jonsson J, et al.
Pathol Microbiol Scand [B] 81:165-75, Feb 73
angiopathy and early diabetic-like sugar rances in animals with induced thyroid immunity. nachandra BN, et al.
Metab Disord 2:Suppl 2:235-43, 1973
n smooth muscle autoantibody. Its identification ntiactin antibody and a study of its binding to muscular" cells. Gabbiani G, et al.
J Pathol 72:473-88, Sep 73
nediated immunity in the exophthalmos of es' disease as demonstrated by the migration bition factor (MIF) test. Munro RE, et al.
din Endocrinol Metab 37:286-92, Aug 73
id cells in Graves' disease. Indiveri F, et al.
cet 2:743-4, 29 Sep 73
unoproliferative disease with a complex immune ct] Germann HJ, et al.
Dtsch Ges Inn Med 78:908-11, 1972 (Ger)
-immune cells in experimental thyroiditis. I. A y of plaque forming cells] Katsura Y, et al.
Chest Dis Res Inst Kyoto Univ 6:145-9, Mar 73 Abstr.) (Jap)

METABOLISM

The significance of iodine in the aggregation of subunits into thyroglobulin and in the formation of 27S iodoprotein. Sinadinović J, et al.
Acta Endocrinol (Kbh) 73:43-58, May 73
Recurrence of thyrotoxicosis with regard to thyroid suppressibility after treatment with antithyroid drugs. Hackenberg K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:20, 1973
Distribution and placental transfer of 14C-thiourea and 14C-thiouracil in mice studied by whole-body autoradiography. Slanina P, et al.
Acta Pharmacol Toxicol (Kbh) 32:358-68, 1973
Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Hormonal effects on fetal development: a survey. Jost A. Clin Pharmacol Ther 14:714-20, Jul-Aug 73
Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
Resistance of rat thyroid iodoprotein to proteolysis following large doses of radioiodine. Kobayashi I, et al. Endocrinology 93:593-601, Sep 73
Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al.
Endocrinology 93:532-9, Sep 73
Polyadenylic acid segment in polyribosomal ribonucleic acid of cultured thyroid cells. Bečarević A, et al. FEBS Lett 29:164-6, 15 Jan 73
The oocytes as major competitors for radioiodide in laying Japanese quail. Robinson GA.
Gen Comp Endocrinol 21:123-8, Aug 73
Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al.
J Biol Chem 248:5705-11, 25 Aug 73
Congenital goiter in four euthyroid siblings with glandular and circulating iodoproteins and defective iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73
A goitrous subject with defective synthesis of diiodotyrosine due to thyroglobulin abnormalities. Kusakabe T. J Clin Endocrinol Metab 37:317-25, Aug 73
Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. J Clin Invest 52:2522-31, Oct 73
Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al.
J Clin Invest 52:2404-10, Oct 73
Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats. Pavlovitch H, et al. J Clin Invest 52:2656-9, Oct 73
Accumulation of nicotine in pancreatic islets and calcitonin-producing cells in mice and chicks demonstrated by micro- and whole-body autoradiography. Slanina P, et al.
J Endocrinol 58:21-30, Jul 73
Unsatisfactory biologic behavior of I-fibrinogen labeled by the chloramine-T method. Metzger JM, et al. J Lab Clin Med 82:267-75, Aug 73
The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al.
J Pathol 109:p8-9, Jan 73
Changes in the performance of the electrogenic transfer mechanisms of the small intestine related to different sources of a commercial feeding diet for rats. Levin RJ, et al.
J Physiol (Lond) 231:109P-110P, Jun 73
Varieties of hypothyroidism. Pittman JA Jr.
Med Ann DC 42:435-9, Sep 73
Incidence of signs and symptoms in thyroid disease. Oddie TH, et al. Med J Aust 2:981-6, 28 Oct 72
Radioassay and the thyroid gland. Robbins J.
Metabolism 22:1021-6, Aug 73 (42 ref.)
Effect of thyrotropin and of LATS on mouse thyroid cyclic AMP. Zakarija M, et al.
Metabolism 22:1185-91, Sep 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73

Consequences of nutritional obesity on thyroid tissue. Comsa J. **Proc Soc Exp Biol Med** 143:792-8, Jul 73

The effect of LATS and TSH on protein and RNA synthesis in isolated thyroid cells. el-Khatib SM, et al. **Proc Soc Exp Biol Med** 143:869-78, Jul 73

Relation between the 6- and 24-hour thyroidal 131-I uptake and the control of thyrotoxicosis by radioactive 131-I therapy. Sagel J, et al. **S Afr Med J** 47:1356-8, 4 Aug 73

[Biochemistry of drugs. 28. X-ray contrast media. Pharmacokinetic study of N-(2,4,6-triiodo-3-(acetyl-beta, gamma-dihydroxypropylamino)-benzyl)-diethanolamine hydrochloride] Francová V, et al. **Cesk Farm** 22:272-6, Jul 73 (Eng. Abstr.) **(Cze)**

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al. **Biomedicine [Express]** 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**

[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al. **Doc Ophthalmol** 35:297-307, 27 Jul 73 **(Ger)**

[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H. **Internist (Berlin)** 14:175-6, Apr 73 (18 ref.) **(Ger)**

[Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid] Sato S, et al. **Clin Endocrinol (Tokyo)** 21:489-94, May 73 **(Jap)**

[Effect of starvation on thyroid function in rats] Tonooka N, et al. **Folia Endocrinol Jap** 49:1034-42, 20 Jul 73 (Eng. Abstr.) **(Jap)**

PATHOLOGY

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al. **Acta Endocrinol (Kbh)** 73:266-72, Jun 73

The effect of amprolium and of payzone on the functional state of the thyroid in growing chickens. Andersson P, et al. **Acta Vet Scand** 14:225-8, 1973

Lingual thyroid. Clinical characteristics of 15 cases. Neinas FW, et al. **Ann Intern Med** 79:205-10, Aug 73

Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al. **Arch Pathol** 96:175-8, Sep 73

Effects of hypothyroidism and progesterone on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. **Br J Cancer** 28:161-72, Aug 73

Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis. Sundick RS, et al. **Clin Exp Immunol** 14:437-42, Jul 73

Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al. **J Clin Endocrinol Metab** 37:265-75, Aug 73

Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al. **J Clin Invest** 52:2404-10, Oct 73

The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al. **J Pathol** 109:p8-9, Jan 73

Thyroid cells in Graves' disease. Indiveri F, et al. **Lancet** 2:743-4, 29 Sep 73

Sudden death associated with the taking of amphetamines by an asthmatic. Richards HG, et al. **Med Sci Law** 13:35-8, Jan 73

Chronic thyroiditis in buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide. Reuber MD, et al. **Pathol Microbiol (Basel)** 39:383-8, 1973

Consequences of nutritional obesity on thyroid tissue. Comsa J. **Proc Soc Exp Biol Med** 143:792-8, Jul 73

Polyarteritis in the dog: a case report. Kelly DF, et al. **Vet Rec** 92:363-6, 7 Apr 73

[Quantitative and histologic studies of the fetal and maternal thyroid gland of the rat following propylthiouracil treatment] Städtler F, et al. **Beitr Pathol** 149:293-306, Jul 73 (Eng. Abstr.) **(Ger)**

[Pathologic anatomy of cytomegaly] Seifert G. **Klin Wochenschr** 51:533-40, 1 Jun 73 (65 ref.) (Eng. Abstr.) **(Ger)**

[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et

Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abs (G

[Effect of starvation on thyroid function in r Tonooka N, et al. **Folia Endocrinol Jap** 49:1034-42, 20 Jul 73 (E Abstr.) (J

[Spindle cell and giant cell anaplastic carcinoma of thyroid. Study of 62 cases] Albores Saavedra J, e **Prensa Med Mex** 37:421-9, Nov-Dec 72 (S

PHYSIOLOGY

Differential action of parathyroid and thyroi hormones on effective intestinal absorption calcium. In vivo studies with 47calcium in Hehrmann R, et al. **Acta Endocrinol (Kbh)** 73:489-98, Jul 73

Thyroid function and morphology in rabbits follo active immunization with thyroxine or triidothyronine. Usadel KH, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:12, 1973

Effect of growth hormone and prolactin on the b weight and thyroid activity of Spotted Mu Chandola A, et al. **Ann Endocrinol (Paris)** 33:583-91, Nov-Dec

Neuroendocrine aspects of thermoregulation. Gale **Annu Rev Physiol** 35:391-430, 1973 (120 re

Influence of the thyroid upon the glycosaminogly in the salivary glands in the rat. Kofoed JA, e **Arch Oral Biol** 18:481-5, Apr 73

Non-shivering thermogenesis and its thermoregula significance. Janský L. **Biol Rev** 48:85-132, Feb 73 (264 ref.)

The circannual variations of thyroid activity in woodchuck(Marmota monax). Wenberg GM, e **Comp Biochem Physiol [A]** 44:775-800, 1 Ma

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve et al. **Dev Psychobiol** 6:123-9, Mar 73

Pituitary ACTH and GH content associated with loss of acidophils following thyroidectomy. Yoko M. **Endocrinol Jap** 19:533-41, Dec 72

An increase of thyroid hormone secretion in resp to excess iodide in rats treated with thyroxine. T, et al. **Endocrinology** 93:880-6, Oct 73

Lipolytic activity of rat pituitaries in vitro. Lis M, **Horm Metab Res** 5:253-8, Jul 73

Cerebrocortical adenyl cyclase activity follo neonatal thyroid hormone deficiency. Singhal R al. **Int J Clin Pharmacol** 8:1-4, Aug 73

FFA metabolism in thyroidectomized and normal during rest and acute cold exposure. Paul P, **J Appl Physiol** 35:250-8, Aug 73

Studies on the circadian rhythm of phosphoenolpyruvate carboxykinase activity in I. Mechanism of circadian increase in liver en with special reference to hormonal and di effects. Suda M, et al. **J Biochem (Tokyo)** 73:727-38, Apr 73

Sodium-independent active potassium reabsorpt proximal tubule of the dog. Beck LH, et **J Clin Invest** 52:2641-5, Oct 73

Variations in thyroid status of the buffalo durin estrous cycle, pregnancy and in conditions of o abnormalities. Soliman FA, et al. **Zentralbl Veterinaermed [A]** 20:324-31, Ma

[Dehalogenation of various analogs of phenolic io in normal and thyroidectomized rats] Dum **Biochem Pharmacol** 22:1599-605, 1 Jul 73 (Eng. A

[Thyroid function using 131-I in the budge (Melopsittacus undulatus), as compared to autoradiography and morphology] Robilier F, **Arch Exp Veterinaermed** 26:875-82, Oct 72 Abstr.)

[Relation between the exophthalmos-producing and the thyroid factor from the anterior hypop lobe] Poonawalla NH, et al. **Doc Ophthalmol** 35:297-307, 27 Jul 73

[Examination of the TRH-TSH axis] Escobar del **Rev Iber Endocrinol** 20:235-67, May-Jun 73 Abstr.)

[Calcitonin. Physiology; therapeutic importa Merceron RE. **Minerva Med** 64:2147-67, 2 Jun 7

[Effects of thyroid hormones and alpha, beta-bl on catecholamine-induced calorigenesis, lipoly glycogenolysis] Kurahashi M. **Folia Pharmacol Jap** 69:41-5, Jan 73 (Eng.

LIBRARY U. OF L. URBANA-CHAMPAIGN

toenzymochemical study of the liver of white rats
h experimental hypothyrosis] Shevchuk VI.
bl Endokrinol (Mosk) 19:104-7, May-Jun 73 (Eng. str.) (Rus)

PHYSIOPATHOLOGY

influence of total starvation on the
uitary-thyroid-axis in obese individuals.
henbuchner G, et al.
ta Endocrinol [Suppl] (Kbh) 173:144, 1973
roid function tests. Sterling K.
v Intern Med 18:345-62, 1972 (106 ref.)
cts of chronic hemodialysis on thyroid function in
ronic renal failure. Silverberg DS, et al.
n Med Assoc J 109:282-6, 18 Aug 73
ponse to triiodothyronine and dextroamphetamine:
udy of preschool schizophrenic children. Campbell
et al. J Autism Child Schizo 2:343-58, Oct-Dec 72
roid gland function of patients with diabetes in
g-term use of glibornuride] Reinwein D.
rneim Forsch 22:Suppl 12A:2221, Dec 72 (Eng. str.) (Ger)
roid gland and mental disorder] Suematsu H.
n Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.) (Jap)
ect of starvation on thyroid function in rats]
nooka N, et al.
lia Endocrinol Jap 49:1034-42, 20 Jul 73 (Eng. str.) (Jap)
port of six cases of myotonic dystrophy, especially
the endocrine functions] Nagai H, et al.
Jap Soc Intern Med 62:770-82, Jul 73 (Jap)
dulectomy as the choice for the surgical therapy of
onomous thyroid nodules: physiopathological
tification, tactics and follow up evaluation] Ferraz
v Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug 73 ng. Abstr.) (Por)
roid function in chronic ischemic cardiopathy in
ilt and aged patients. I] Dumitru M.
id Cercet Endocrinol 24:291-8, 1973 (Rum)

RADIATION EFFECTS

empt at thyroid ablation with radioactive iodine for
treatment of ophthalmopathy in Graves' disease.
well WN, et al. Am J Med Sci 265:467-72, Jun 73
parison of the response of a highly differentiated
sue to single and multiple doses of 14.7 MeV
utron of 137Cs gamma irradiation. Malone JF, et al.
J Radiol 48:323, Apr 73
istance of rat thyroid iodoprotein to proteolysis
lowing large doses of radioiodine. Kobayashi I, et
Endocrinology 93:593-601, Sep 73
ne-125 in thyrotoxicosis.
ncet 2:426, 25 Aug 73 (22 ref.)
ect of small doses of internal and external radiation
the body] Gheorghe N, et al.
v Roum Physiol 9:337-44, 1972 (Fre)
e side effects of radioactive iodine therapy in
perthyroidism] Hara M, et al.
J Clin Radiol 48:527-41, Aug 73 (122 ref.) (Jap)
e of protective shielding in children in the light of
simetric measurements] Kubicz S, et al.
l Przegl Radiol 37:411-20, May-Jun 73 (Eng. Abstr.) (Pol)

RADIOGRAPHY

mary hyperparathyroidism. Symptomatology in a
ies of 100 cases] Liévre JA, et al.
n Med Interne (Paris) 124:1-8, Jan 73 (Eng. Abstr.) (Fre)
rathoracic goiter] Yamamoto M, et al.
J Clin Radiol 18:321-8, May 73 (Jap)

SECRETION

roid disease and some complications. Wilson WW.
n R Coll Surg Engl 53:27-39, Jul 73
dence for stimulation of thyroidal secretion by
loaminoacids or iodide. Yoshimura S, et al.
docrinol Jap 20:217-9, Apr 73
ect of repeated administration of excess iodide on
roid hormone secretion in rats, with special
ference to the escape from the iodide effect. Otake
et al. Endocrinology 93:343-7, Aug 73
nges induced by the acute administration of iodide
secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:613-5, 15 May 73
Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines.
Wurtman RJ. Fed Proc 32:1769-71, Jul 73
Stimulation of calcitonin release in vitro by purine and pyrimidine nucleotides. Bell NH.
Nature [New Biol] 245:85-6, 19 Sep 73
[Aspect of the 1st stage of thyroid secretion using scanning electron microscope] Ketelbant-Balasse P, et al.
Ann Endocrinol (Paris) 33:629-31, Nov-Dec 72 (Eng. Abstr.) (Fre)

SURGERY

Lingual thyroid. Clinical characteristics of 15 cases.
Neinas FW, et al. Ann Intern Med 79:205-10, Aug 73
Idiopathic subglottic stenosis. Brandenburg JH.
Trans Am Acad Ophthalmol Otolaryngol 76:1402-6, Sep-Oct 72
Nonthyroid mass in the thyroid area. Tardy ME Jr, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1373-4, Sep-Oct 72
[Nodulectomy as the choice for the surgical therapy of autonomous thyroid nodules: physiopathological justification, tactics and follow up evaluation] Ferraz AR.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug 73 (Eng. Abstr.) (Por)

TRANSPLANTATION

Lingual thyroid. Clinical characteristics of 15 cases.
Neinas FW, et al. Ann Intern Med 79:205-10, Aug 73
[Homotransplantation of the thyroid-parathyroid complex in an experiment on dogs and puppies] Tochilin VI.
Probl Endokrinol (Mosk) 19:100-4, May-Jun 73 (Eng. Abstr.) (Rus)

THYROID GLAND FUNCTION TESTS

Successful treatment of thyrotoxicosis by lithium.
Gerdes H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:23, 1973
Recurrence of thyrotoxicosis with regard to thyroid suppressibility after treatment with antithyroid drugs. Hackenberg K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:20, 1973
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Evaluation of a free thyroxine index. Elewaut A, et al.
Ann Endocrinol (Paris) 34:84-90, Jan-Feb 73
Treatment of hypothyroidism: a reappraisal of thyroxine therapy. Evered D, et al.
Br Med J 3:131-4, 21 Jul 73
Discriminant value of thyroid function tests. Jorgensen JV. Br Med J 3:170, 21 Jul 73
Chemical interference by drugs and other substances with clinical laboratory test procedures. Caraway WT, et al. Clin Chim Acta 41:395-434, Oct 72 (353 ref.)
Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
A case of posttraumatic hypopituitarism. Kanayama Y, et al. Endocrinol Jap 19:517-23, Dec 72
Thyroid function tests in the first year of life. Landau H, et al. Isr J Med Sci 9:929-31, Jul 73
Radiation exposure of the patient in nuclear medicine.
Roo M de. J Belge Radiol 56:175-83, Mar-Apr 73
Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73
Results of intermittent human growth hormone (HGH) therapy in hypopituitary dwarfism. Kirkland RT, et al.
J Clin Endocrinol Metab 37:204-11, Aug 73
Cost-benefit analysis of in vitro screening tests of thyroid function. Brookeman VA, et al.
J Nucl Med 14:721-2, Sep 73
Serum tests for thyroid function. Bell RL.
J Tenn Med Assoc 66:626-7, Jun 73
Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism.
Jacobs HS, et al. Lancet 1:236-8, 4 Aug 73
Diagnostic thyroxine ratio--a screening test. Malinek M, et al. Med J Aust 2:1035, 28 Oct 72
Thyrotoxicosis in an elderly population. Stiel JN, et al.
Med J Aust 2:986-8, 28 Oct 72

Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72

In vitro thyroid function tests: a comparison of some commercially available kits. Smidt KP, et al.
NZ Med J 77:365-8, Jun 73

Thyroid abscess in childhood. Olambiwonnu NO, et al.
Pediatrics 52:465-7, Sep 73

A quantitative analysis of the effect of thyroid suppression and stimulation on 131 I thyroid trapping. Rosenthall L. **Radiology** 108:353-7, Aug 73

Postpartum pituitary insufficiency: report of five unusual cases with long-term follow-up. Moszkowski EF. **South Med J** 66:878-82, Aug 73

Application of 4096 channel memory unit to the radionuclide imaging. Nakamura M, et al.
Tohoku J Exp Med 110:69-80, May 73

Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972

[In vitro radioisotope tests for studies of thyroid gland function] Kupka K, et al.
Vnitr Lek 19:676-82, Jul 73 (Eng. Abstr.) **(Cze)**

[Microassay of serum thyroxine with radioimmunological method] Beckers C, et al.
Ann Endocrinol (Paris) 33:645-50, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al.
Ann Endocrinol (Paris) 33:599-605, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Value of the gamma-camera in thyroid gland studies] Galle P, et al.
Ann Endocrinol (Paris) 34:40-7, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Association of Addison's disease and hyperthyroidism] Sudre Y, et al.
Cah Med 14:175-85, Mar 73 **(Fre)**

[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 **(Fre)**

[Thyroid index method in clinical diagnosis of thyrotoxicosis] Simonin R, et al.
Sem Hop Paris 49:1595-601, 8 May 73 (Eng. Abstr.) **(Fre)**

[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12A:2221, Dec 72 (Eng. Abstr.) **(Ger)**

[Asymptomatic struma. Nuclear-medical diagnosis and therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 **(Ger)**

[Thyroid gland function tests] Pfannenstiel P.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) **(Ger)**

[Animal experiments on the influence of increased body temperature on the radio-iodine two phase test] Robiller F.
Radiobiol Radiother (Berl) 14:307-10, 1973 (Eng. Abstr.) **(Ger)**

[Significance of TRH in the differential diagnosis of thyroid gland diseases] Pixberg HU, et al.
Radiol Diagn (Berl) 14:235-8, 1973 (Eng. Abstr.) **(Ger)**

[Determination of thyroxine binding globulin capacity with cellulose acetate electrophoresis] Konno N, et al.
Clin Endocrinol (Tokyo) 21:337-42, Mar 73 **(Jap)**

[Measurement of blood thyroxine with Thyopac-4 method] Nakamura M, et al.
Clin Endocrinol (Tokyo) 21:443-6, Apr 73 **(Jap)**

[Thyroid gland and mental disorder] Suematsu H.
Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.) **(Jap)**

[Thyroid test with Res-O-Mat ETR kit] Uchi S, et al.
Clin Endocrinol (Tokyo) 21:627-31, Jun 73 **(Jap)**

[Determination of thyroxine in the blood with Thyopac-4 kit] Yamauchi K, et al.
Clin Endocrinol (Tokyo) 21:657-62, Jun 73 **(Jap)**

[Familial occurrence of Basedow's disease] Miyazaki T, et al.
Folia Endocrinol Jap 49:995-1000, 20 Jul 73 (Eng. Abstr.) **(Jap)**

[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al.
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) **(Jap)**

[Increased TBG-T4-binding capacity in acute hepatitis] Tabei A, et al.
Folia Endocrinol Jap 49:1025-33, 20 Jul 73 (Eng. Abstr.) **(Jap)**

[Studies on the thyroid function in the aged as viewed from TRH-TSH system] Kobayashi T, et al.
J Jap Soc Intern Med 62:610-9, 10 Jun 73 **(Jap)**

[Thyroid function in chronic ischemic cardiopathy in adult and aged patients. I] Dumitru M.
Stud Cercet Endocrinol 24:291-8, 1973 **(Ru**

[Hyperthyroidism and cardiothyreosis, borderlines physiopathological mechanisms. (Cardio-hemodynamic exploration)] Popovici
Stud Cercet Endocrinol 24:263-74, 1973 **(Ru**

[Biological activity of synthetic thyrotropin releas factor] Iudaev NA, et al.
Probl Endokrinol (Mosk) 19:50-2, May-Jun 73 (E Abstr.) (R

[Electrolyte in balance in diffuse toxic goiter] Lip AI.
Probl Endokrinol (Mosk) 19:16-8, May-Jun 73 (E Abstr.) (R

[Effectiveness of anti-goiter measures in the Dzhalal-Abad focus of endemic goiter] Bakhitov et al. **Sov Zdravookhr Kirg** 3:34-7, May-Jun 72 (E

[Radioisotope methods of studying the function of thyroid gland used for the diagnosis of hyper- hypothyroidism in Kirghizia] Kaliuzhnyi IT, et **Sov Zdravookhr Kirg** 2:14-8, Mar-Apr 73 (E

[Study of a congenital goiter with hypothyroidi Sánchez-Franco F, et al.
Rev Clin Esp 129:393-8, 31 May 73 (S

[Functional exploration of the TRH-TSH thyroid a Tests of hypophyseal reserve] Sánchez Martin
Rev Iber Endocrinol 20:269-87, May-Jun 73 (I Abstr.) (S

STANDARDS

Semi-automated method for serum thyroxine as io using commercially available pre-packed res columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73

VETERINARY

[Thyroid function using 131-I in the budger (Melopsittacus undulatus), as compared to autoradiography and morphology] Robiller F, e
Arch Exp Veterinaermed 26:875-82, Oct 72 (Abstr.) (

THYROIDECTOMY

Differential action of parathyroid and thyro hormones on effective intestinal absorption calcium. In vivo studies with 47calcium in Hehrmann R, et al.
Acta Endocrinol (Kbh) 73:489-98, Jul 73

Treatment of progressive malignant exophthalmo total thyroidectomy. Kirmse L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:24, 197

Serum TSH levels in thyroidectomized patients withdrawal of thyroid hormone therapy or administration of TRH. Wenzel KW, et al
Acta Endocrinol [Suppl] (Kbh) 173:15, 197

Attempt at thyroid ablation with radioactive iodin the treatment of ophthalmopathy in Graves' dis Fawell WN, et al. **Am J Med Sci** 265:467-72, Ju

Effect of growth hormone and prolactin on the weight and thyroid activity of Spotted Mu Chandola A, et al.
Ann Endocrinol (Paris) 33:583-91, Nov-Dec

Neuroendocrine aspects of thermoregulation. Gal
Annu Rev Physiol 35:391-430, 1973 (120 re

Influence of the thyroid upon the glycosaminogl in the salivary glands in the rat. Kofoed JA,
Arch Oral Biol 18:481-5, Apr 73

Treatment of hypothyroidism: a reappraisal thyroxine therapy. Evered D, et al.
Br Med J 3:131-4, 21 Jul 73

Pituitary ACTH and GH content associated wit loss of acidophils following thyroidectomy. Yoko M. **Endocrinol Jap** 19:533-41, Dec 72

Degranulated acidophils as a possible original sou "thyroidectomy cells" in the rat hypophys Yoshimura F, et al. **Endocrinol Jap** 20:181-98, A

An increase of thyroid hormone secretion in res to excess iodide in rats treated with thyroxine. T, et al. **Endocrinology** 93:880-6, Oct 73

Lipolytic activity of rat pituitaries in vitro. Lis M, **Horm Metab Res** 5:253-8, Jul 73

Cerebrocortical adenyl cyclase activity follo neonatal thyroid hormone deficiency. Singhal al. **Int J Clin Pharmacol** 8:1-4, Aug 73

FFA metabolism in thyroidectomized and norma during rest and acute cold exposure. Paul P, **J Appl Physiol** 35:250-8, Aug 73

LIBRARY U. OF L. UNDAR-CHAMPAIGN

dies on the circadian rhythm of
hosphoenolpyruvate carboxykinase activity in rats.
Mechanism of circadian increase in liver enzyme
ith special reference to hormonal and dietary
ffects. Suda M, et al.
Biochem (Tokyo) 73:727-38, Apr 73
enotype of malignancy: the mucosal neuroma
ndrome. Schimke RN. **Pediatrics** 52:283-4, Aug 73
arathyroid adenomas causing vocal cord paralysis.
ore JM Jr, et al.
rans Am Acad Ophthalmol Otolaryngol 76:1397-401,
ep-Oct 72
arathyroid adenoma with thyroid carcinoma.
ummers GW, et al.
rans Am Acad Ophthalmol Otolaryngol 76:1387-91,
ep-Oct 72
halogenation of various analogs of phenolic iodides
normal and thyroidectomized rats] Dumas P.
iochem Pharmacol 22:1599-605, 1 Jul 73 (Eng. Abstr.)
(Fre)
ffects of thyroidectomy on phospholipase A2, lipase,
holesterolesterase, and trypsin activity of rat
ancreatic juice and pancreas] Belleville J.
R Acad Sci [D] (Paris) 277:81-4, 2 Jul 73 (Fre)
eparation of goiters with toxic manifestations for
duction thyroidectomy. Value of cytochrome C]
equignot H, et al.
ouv Presse Med 2:1911, 14 Jul 73 (Fre)
ecularities of pubertal exophthalmic
yperthyroidism] Milcou SM, et al.
robl Actuels Endocrinol Nutr 16:279-93, 3 May 73
(Fre)
elation between the exophthalmos-producing factor
nd the thyroid factor from the anterior hypophyseal
be] Poonawalla NH, et al.
oc Ophthalmol 35:297-307, 27 Jul 73 (Ger)
xamination of the TRH-TSH axis] Escobar del Rey F.
ev Iber Endocrinol 20:235-67, May-Jun 73 (Eng.
bstr.) (Ger)
ypical localization of parathyroid adenomas in
rimary hyperparathyroidism] Leisinger HJ, et al.
rologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.)
(Ger)
ositional anomalies of the thyroid gland] Fontányi S,
al. **Orv Hetil** 114:2038-40, 26 Aug 73 (Hun)
uman thyroid stimulating hormone level in various
hyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) (Jap)
[Effects of thyroid hormones and alpha, beta-blockers on catecholamine-induced calorigenesis, lipolysis and glycogenolysis] Kurahashi M.
Folia Pharmacol Jap 69:41-5, Jan 73 (Eng. Abstr.) (Jap)
[Re-evaluation of the weight of the thyroid gland determined by thyroid scanning] Kezuka M, et al.
Jap J Nucl Med 10:75-7, Apr 73 (Eng. Abstr.) (Jap)
[Nodulectomy as the choice for the surgical therapy of autonomous thyroid nodules: physiopathological justification, tactics and follow up evaluation] Ferraz AR.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug 73 (Eng. Abstr.) (Por)
[The extent and variants of surgical operations for thyrotoxicosis] Kal'chenko II, et al.
Klin Khir 12:17-24, Dec 72 (Rus)
[Histoenzymochemical study of the liver of white rats with experimental hypothyrosis] Shevchuk VI.
Probl Endokrinol (Mosk) 19:104-7, May-Jun 73 (Eng. Abstr.) (Rus)
[Effect of the erythropoietin enriched blood on blood regeneration in thyroidectomized animals] Ismailov EM. **Sov Zdravookhr Kirg** 4:31-3, Jul-Aug 72 (Rus)
[Spindle cell and giant cell anaplastic carcinoma of the thyroid. Study of 62 cases] Albores Saavedra J, et al.
Prensa Med Mex 37:421-9, Nov-Dec 72 (Spa)

ADVERSE EFFECTS

Technical factors influencing morbidity in thyroid operations. Haff RC. **Am J Surg** 126:383-6, Sep 73
Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73
Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism.
Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73
How to avoid injuries to the recurrent laryngeal nerve--a surgical pitfall. Saporta JA, et al.
Nebr Med J 58:331-3, Sep 73
[The laryngeal nerves in thyroid surgery] Reynier J, et al. **Chirurgie** 99:241-6, 7 Mar 73 (Eng. Abstr.) (Fre)

II. Disorders of the Thyroid Gland

GOITER

[Interference microscopic dry mass determination of primary struma cells in tissue culture. 3. Effect of infection with adenovirus type 5] Seeber C, et al. **Z Allg Mikrobiol** 13:151-60, 1973 **(Ger)**

BLOOD

Thyrotropin levels in the plasma of newborns with congenital goiter. Homoki J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:14, 1973

Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement therapy. Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug 73

The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R. **Clin Endocrinol (Oxf)** 1:115-25, Jan 72 (53 ref.)

[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al. **Ann Endocrinol (Paris)** 33:557-70, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al. **Biomedicine [Express]** 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Thyromimetric activity of 3,5,3'-trimethyl-L-thyronine. Jorgensen EC, et al. **J Med Chem** 16:306-7, Mar 73

Spectrophotometric determination of thyroxine iodine in thyroid preparations. Sondack DL. **J Pharm Sci** 62:1342-4, Aug 73

The effects of Renografin-60 on the fetal thyroid. Morrison JC, et al. **Obstet Gynecol** 42:99-103, Jul 73

[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D. **Arzneim Forsch** 22:Suppl 12A:2221, Dec 72 (Eng. Abstr.) **(Ger)**

[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H. **Internist (Berlin)** 14:175-6, Apr 73 (18 ref.) **(Ger)**

CLASSIFICATION

[Towards the reclassification of simple goiter] Codaccioni JL, et al. **Probl Actuels Endocrinol Nutr** 16:263-77, 3 May 73 **(Fre)**

COMPLICATIONS

Incidence of signs and symptoms in thyroid disease. Oddie TH, et al. **Med J Aust** 2:981-6, 28 Oct 72

Thyrotoxicosis in an elderly population. Stiel JN, et al. **Med J Aust** 2:986-8, 28 Oct 72

[Amenorrhea-galactorrhea and thyroid pathology] Matte R, et al. **Union Med Can** 101:279-81, Feb 72 (Eng. Abstr.) **(Fre)**

[Clinical and immunological studies of 15 cases of chronic rheumatoid arthritis associated with goiter] Gonda N, et al. **Ryumachi** 13:183-92, Apr 73 (Eng. Abstr.) **(Jap)**

[Study of a congenital goiter with hypothyroidism] Sánchez-Franco F, et al. **Rev Clin Esp** 129:393-8, 31 May 73 **(Spa)**

CONGENITAL

Thyrotropin levels in the plasma of newborns with congenital goiter. Homoki J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:14, 1973

Thyroid disease and some complications. Wilson WW. **Ann R Coll Surg Engl** 53:27-39, Jul 73

[Study of a congenital goiter with hypothyroidism] Sánchez-Franco F, et al. **Rev Clin Esp** 129:393-8, 31 May 73 **(Spa)**

DIAGNOSIS

Differentiation of chronic lymphocytic thyroiditis a simple goiter in pediatrics. Monteleone JA, et **J Pediatr** 83:381-5, Sep 73

The surgical management of thyroid disorders. Wa H. **Trans Med Soc Lond** 88:40-52, 1972

[Towards the reclassification of simple goiter] Codaccioni JL, et al. **Probl Actuels Endocrinol Nutr** 16:263-77, 3 May **(Fr**

[Asymptomatic struma. Nuclear-medical diagnosis a therapy] Hör G, et al. **Med Klin** 68:1164-70, 7 Sep 73 **(Ge**

[Thyroid gland function tests] Pfannenstiel P. **Med Klin** 68:1143-6, 7 Sep 73 (13 ref.) **(Ge**

[Mediastinoscopy in diseases of the lung and mediastinum, with special reference to the examination method and its results] Kubo M, et **J Otolaryngol Jap** 76:211-9, Feb 73 **(Ja**

[Thyroid scintigram. 3. Malignant goiter] Kinoshita **Jap J Clin Radiol** 18:523-4, Jul 73 **(Ja**

DRUG THERAPY

Functional behaviour of compensated autonomo nodules of the thyroid after ingestion of iodinat contrast media with strong protein binding. Mahist J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:21, 1

Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement thera Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug

Thyromimetric activity of 3,5,3'-trimethyl-L-thyroni Jorgensen EC, et al. **J Med Chem** 16:306-7, Mar

The management of thyroid diseases. Bayliss **Trans Med Soc Lond** 88:34-9, 1972

[Thyroid sarcoma in endemic regions] Depisch D, et **Bruns Beitr Klin Chir** 220:397-404, Jul 73 (Eng. Abst **(G**

[Asymptomatic struma. Nuclear-medical diagnosis a therapy] Hör G, et al. **Med Klin** 68:1164-70, 7 Sep 73 **(G**

ENZYMOLOGY

Does LATS protector stimulate the human thyro Kendall-Taylor P, et al. **Clin Sci** 45:2P, Jul

ETIOLOGY

[Towards the reclassification of simple goiter Codaccioni JL, et al. **Probl Actuels Endocrinol Nutr** 16:263-77, 3 May **(F**

[Late side effects of radioactive iodine therapy hyperthyroidism] Hara M, et al. **Jap J Clin Radiol** 48:527-41, Aug 73 (122 ref.) **(J**

FAMILIAL & GENETIC

Congenital goiter in four euthyroid siblings w glandular and circulating iodoproteins and defect iodothyronine synthesis. Gattereau A, et al. **J Clin Endocrinol Metab** 37:118-28, Jul 73

[Towards the reclassification of simple goiter Codaccioni JL, et al. **Probl Actuels Endocrinol Nutr** 16:263-77, 3 May **(F**

[Is there an increase in urinary iodine clearance pubertal goiters?] Simonin R, et al. **Probl Actuels Endocrinol Nutr** 16:249-61, 3 May **(F**

[Familial hypothyroidism with deafness (Pendre syndrome)] Dubiel A, et al. **Endokrynol Pol** 24:257-64, May-Jun 73 (Eng. Abs **(I**

IMMUNOLOGY

[Clinical and immunological studies of 15 cases

LIBRARY U. OF L. URBANA-CHAMPAIGN

ic rheumatoid arthritis associated with goiter]
a N, et al.
achi 13:183-92, Apr 73 (Eng. Abstr.) (Jap)

ETABOLISM

ital goiter in four euthyroid siblings with
ular and circulating iodoproteins and defective
nyronine synthesis. Gattereau A, et al.
n Endocrinol Metab 37:118-28, Jul 73
rous subject with defective synthesis of
otyrosine due to thyroglobulin abnormalities.
kabe T. J Clin Endocrinol Metab 37:317-25, Aug 73
e juvenile goiter and blood thyrotropin (TSH)
. Effects of the thyrotropin releasing factor
)] Job JC, et al.
edicine [Express] 19:164-8, 10 Apr 73 (Eng.
.) (Fre)
re an increase in urinary iodine clearance in
tal goiters?] Simonin R, et al.
Actuels Endocrinol Nutr 16:249-61, 3 May 73
(Fre)
olyte in balance in diffuse toxic goiter] Lipets
Endokrinol (Mosk) 19:16-8, May-Jun 73 (Eng.
.) (Rus)

ATHOLOGY

ntiation of chronic lymphocytic thyroiditis and
e goiter in pediatrics. Monteleone JA, et al.
diatr 83:381-5, Sep 73
hemical studies on thyroid adenoma built of C
Beskid M, et al. Mater Med Pol 4:53-9, Apr-Jun 72
rds the reclassification of simple goiter]
ccioni JL, et al.
Actuels Endocrinol Nutr 16:263-77, 3 May 73
(Fre)

HYSIOPATHOLOGY

rds the reclassification of simple goiter]
ccioni JL, et al.
Actuels Endocrinol Nutr 16:263-77, 3 May 73
(Fre)

REVENTION & CONTROL

nanagement of thyroid diseases. Bayliss RI.
s Med Soc Lond 88:34-9, 1972

URGERY

rgical management of thyroid disorders. Wade
Trans Med Soc Lond 88:40-52, 1972
norrhea-galactorrhea and thyroid pathology]
e R, et al.
n Med Can 101:279-81, Feb 72 (Eng. Abstr.) (Fre)

TER, ENDEMIC

IAGNOSIS

ptomatic struma. Nuclear-medical diagnosis and
apy] Hör G, et al.
Klin 68:1164-70, 7 Sep 73 (Ger)
onset of endemic goiter] Milcu SM.
Cercet Endocrinol 24:345-7, 1973 (Rum)

RUG THERAPY

ctiveness of anti-goiter measures in the
lal-Abad focus of endemic goiter] Bakhitov FIu,
. Sov Zdravookhr Kirg 3:34-7, May-Jun 72 (Rus)

ETIOLOGY

e metabolism in endemic goiter in Turkey. I. The
tics of 131-I and organic iodine. Koloğlu S, et al.
nedicine [Express] 19:94-7, 20 Mar 73
ic cassava toxicity. Lancet 1:245-6, 4 Aug 73

HISTORY

ination of endemic goiter from Trans-Carpathia]
inets AV. Klin Khir 12:24-7, Dec 72 (Rus)

METABOLISM

e metabolism in endemic goiter in Turkey. I. The
kinetics of 131-I and organic iodine. Koloğlu S, et al.
Biomedicine [Express] 19:94-7, 20 Mar 73

OCCURRENCE

[Effectiveness of anti-goiter measures in the Dzhalal-Abad focus of endemic goiter] Bakhitov FIu, et al. Sov Zdravookhr Kirg 3:34-7, May-Jun 72 (Rus)

PATHOLOGY

[The onset of endemic goiter] Milcu SM.
Stud Cercet Endocrinol 24:345-7, 1973 (Rum)

PREVENTION & CONTROL

[Elimination of endemic goiter from Trans-Carpathia] Fedinets AV. Klin Khir 12:24-7, Dec 72 (Rus)
[Effectiveness of anti-goiter measures in the Dzhalal-Abad focus of endemic goiter] Bakhitov FIu, et al. Sov Zdravookhr Kirg 3:34-7, May-Jun 72 (Rus)

GOITER, EXOPHTHALMIC

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72
[Pecularities of pubertal exophthalmic hyperthyroidism] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May 73
(Fre)

BLOOD

Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al.
Acta Endocrinol (Kbh) 73:483-8, Jul 73
Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlieri RR, et al. J Clin Endocrinol Metab 37:308-16, Aug 73
[Human thyroid stimulating hormone level in various thyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS.
Arch Ophthalmol 90:131-2, Aug 73
Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. Lancet 1:236-8, 4 Aug 73
[Myxedema and rheumatism] Lindeboom GA.
Ned Tijdschr Geneeskd 116:1377-80, 5 Aug 72 (Dut)
[Demonstration of autoimmune pathological processes during pantele-endocrine diseases and poly-endocrinopathies. Apropos of 4 cases] De Genness JL, et al.
Ann Endocrinol (Paris) 34:31-9, Jan-Feb 73 (Eng. Abstr.) (Fre)
[Pecularities of pubertal exophthalmic hyperthyroidism] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May 73
(Fre)
[Thyroid gland and mental disorder] Suematsu H.
Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.)
(Jap)
[Basedow's disease complicated by idiopathic thrombocytopenic purpura. A case report] Kitao T, et al. J Jap Soc Intern Med 62:380-3, Apr 73 (Jap)
[Case of apathetic form of Graves-Basedow disease with hyperthyroidism] Hanzlik J, et al.
Wiad Lek 26:1449-51, 1 Aug 73 (Pol)

DIAGNOSIS

Tachycardia and nightmares. Swinehart JM, et al.
Nebr Med J 58:314-5, Aug 73
[Myxedema and rheumatism] Lindeboom GA.
Ned Tijdschr Geneeskd 116:1377-80, 5 Aug 72 (Dut)
[Pituitary reactivity to thyrotropin releasing hormone (TRH) in patients with hyperthyroidism considered as clinically cured] Beckers C, et al.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Pecularities of pubertal exophthalmic hyperthyroidism] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May 73
(Fre)

[Familial occurrence of Basedow's disease] Miyazaki T, et al.
Folia Endocrinol Jap 49:995-1000, 20 Jul 73 (Eng. Abstr.) **(Jap)**
[On a case of basedowiform struma ovarii] Atanasiu D, et al.
Rev Med Chir Soc Med Nat Iasi 77:359-61, Apr-Jun 73 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS.
Arch Ophthalmol 90:131-2, Aug 73
Increase of T cells in Graves' disease. Farid NR, et al.
Lancet 2:204-5, Jul 73
Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism.
Jacobs HS, et al. Lancet 1:236-8, 4 Aug 73
[Preparation of goiters with toxic manifestations for reduction thyroidectomy. Value of cytochrome C] Pequignot H, et al.
Nouv Presse Med 2:1911, 14 Jul 73 **(Fre)**
[Value of a beta-blocking drug in prolonged treatment of hyperthyroidism and in the triiodothyronine inhibition assay] Jaffiol C, et al.
Therapeutique 49:111-4, Feb 73 **(Fre)**

ENZYMOLOGY

Does LATS protector stimulate the human thyroid? Kendall-Taylor P, et al. **Clin Sci** 45:2P, Jul 73

FAMILIAL & GENETIC

[Familial occurrence of Basedow's disease] Miyazaki T, et al.
Folia Endocrinol Jap 49:995-1000, 20 Jul 73 (Eng. Abstr.) **(Jap)**

IMMUNOLOGY

Supervoltage orbital radiotherapy for Graves' ophthalmopathy. Donaldson SS, et al.
J Clin Endocrinol Metab 37:276-85, Aug 73
Cell-mediated immunity in the exophthalmos of Graves' disease as demonstrated by the migration inhibition factor (MIF) test. Munro RE, et al.
J Clin Endocrinol Metab 37:286-92, Aug 73
Increase of T cells in Graves' disease. Farid NR, et al.
Lancet 2:204-5, Jul 73
Thyroid cells in Graves' disease. Indiveri F, et al.
Lancet 2:743-4, 29 Sep 73
[Autoantibodies and autoimmune syndromes] Dimitrov DI.
Vutr Boles 12:1-7, 1973 (46 ref.) (Eng. Abstr.) **(Bul)**
[Demonstration of autoimmune pathological processes during pantele-endocrine diseases and poly-endocrinopathies. Apropos of 4 cases] De Genness JL, et al.
Ann Endocrinol (Paris) 34:31-9, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

METABOLISM

[Basedow's disease and cyclic AMP] Onaya T, et al.
Clin Endocrinol (Tokyo) 21:303-5, Mar 73 **(Jap)**

PATHOLOGY

Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS.
Arch Ophthalmol 90:131-2, Aug 73
Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. **Br J Radiol** 46:695-8, Sep 73
Thyroid cells in Graves' disease. Indiveri F, et al.
Lancet 2:743-4, 29 Sep 73
Vascularity of the thyroid in Graves' disease. Ozaki O, et al. **Yonago Acta Med** 16:1-4, Feb 72

PHYSIOPATHOLOGY

[Pituitary reactivity to thyrotropin releasing hormone (TRH) in patients with hyperthyroidism considered as clinically cured] Beckers C, et al.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Left ventricle activity in polycardiographic examinations in patients with hyperthyroidism] Klimiuk L, et al.
Endokrynol Pol 24:249-56, May-Jun 73 (Eng. Abst
(P
[Nodulectomy as the choice for the surgical therapy autonomous thyroid nodules: physiopathologic justification, tactics and follow up evaluation] Fer AR.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug (Eng. Abstr.) (P

RADIOTHERAPY

Attempt at thyroid ablation with radioactive iodine the treatment of ophthalmopathy in Graves' disea Fawell WN, et al. **Am J Med Sci** 265:467-72, Jun
Supervoltage orbital radiotherapy for Graves' ophthalmopathy. Donaldson SS, et al.
J Clin Endocrinol Metab 37:276-85, Aug 73
Increase of T cells in Graves' disease. Farid NR, et
Lancet 2:204-5, Jul 73

SURGERY

Total and free triiodothyronine and thyroxine level thyroid storm and recurrent hyperthyroidis Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73
[Preparation of goiters with toxic manifestations reduction thyroidectomy. Value of cytochrome Pequignot H, et al.
Nouv Presse Med 2:1911, 14 Jul 73 (F
[Pecularities of pubertal exophthalmic hyperthyroidism] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May (F
[Nodulectomy as the choice for the surgical therap autonomous thyroid nodules: physiopathologic justification, tactics and follow up evaluation] Fer AR.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Au (Eng. Abstr.) (P

THERAPY

[Human thyroid stimulating hormone level in var thyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (E Abstr.) (J

URINE

Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cav RR, et al. **J Clin Endocrinol Metab** 37:308-16, Au

GOITER, NODULAR

BLOOD

[Determination of serum triiodothyronine in thy hyperfixating autonomous nodules] Nouel JP, e
Nouv Presse Med 2:1912, 14 Jul 73 (

COMPLICATIONS

Thyroid disease and some complications. Wilson V
Ann R Coll Surg Engl 53:27-39, Jul 73

DIAGNOSIS

[Asymptomatic struma. Nuclear-medical diagnosis therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 (
[Thyroid scintigram. 2. Nodular goiter] Kinoshit
Jap J Clin Radiol 18:449-50, Jun 73 (
[Scintillographic diagnosis] Medeiros Neto GA
Rev Assoc Med Bras 19:169 passim, Apr 73 (

GOITER, SUBSTERNAL

DIAGNOSIS

[Intrathoracic diving goiters. Apropos of 50 ca Dubost C, et al.
Ann Chir 27:555-66, Jun 73 (Eng. Abstr.) (
[Asymptomatic struma. Nuclear-medical diagnosis therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 (
[The clinical picture and therapy of intrathor goiter] Voropaev MM, et al.
Grudn Khir 14:98-100, Nov-Dec 72 (Eng. Abstr.) (

LIBRARY U. OF L. URBANA-CHAMPAIGN

ADIOGRAPHY

thoracic diving goiters. Apropos of 50 cases]
st C, et al.
Chir 27:555-66, Jun 73 (Eng. Abstr.) (Fre)
thoracic goiter] Yamamoto M, et al.
J Clin Radiol 18:321-8, May 73 (Jap)

URGERY

thoracic diving goiters. Apropos of 50 cases]
st C, et al.
Chir 27:555-66, Jun 73 (Eng. Abstr.) (Fre)
ional anomalies of the thyroid gland] Fontányi S,
l. Orv Hetil 114:2038-40, 26 Aug 73 (Hun)
clinical picture and therapy of intrathoracic
r] Voropaev MM, et al.
n Khir 14:98-100, Nov-Dec 72 (Eng. Abstr.) (Rus)

ERTHYROIDISM

fluence of hyperthyroidism on dental erosions.
ga FA, et al. Oral Surg 36:349-57, Sep 73
n-angiotensin system and vascular sensitivity in
rthyroidism] Fukuchi S, et al.
Endocrinol (Tokyo) 21:615-8, Jun 73 (Jap)
genesis, clinical picture and morphology of
liative cheilitis] Pashkov BM, et al.
atologiia (Mosk) 52:11-3, Jul-Aug 73 (Eng.
) (Rus)
otoxic cardiopathy in pregnancy] Maljar L, et al.
Clin Esp 129:499-502, 15 Jun 73 (Spa)

BLOOD

cteristic plasma lipoprotein pattern in patients
ering from hyperthyroidism. Bommer J, et al.
Endocrinol [Suppl] (Kbh) 173:142, 1973
pathy in hyperthyroidism--a study of 47 calcium
tics and quantitative histology of bone. Montz R,
. Acta Endocrinol [Suppl] (Kbh) 173:146, 1973
utomated method for serum thyroxine as iodine
commercially available pre-packed resin
ns. Burnett D, et al.
Chim Acta 46:321-32, 14 Jul 73
mmunoassay of thyroid-stimulating hormone and
clinical applications. Hall R.
Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
radioimmunoassay of triiodothyronine in
tracted human serum. Evered DC.
Sci 44:6P passim, Feb 73
LATS protector stimulate the human thyroid?
dall-Taylor P, et al. Clin Sci 45:2P, Jul 73
newal attempt to compare the affinity of
oxine-binding-globulin to thyroxine in normal
hyperthyroid sera. Shimizu T, et al.
ocrinol Jap 20:85-7, Feb 73
of intravenous and oral administration of L-dopa
HGH and TSH release. Yoshimura M, et al.
ocrinol Jap 19:543-8, Dec 72
xine binding globulin (TBG) in thyrotoxicosis
in hypothyroidism. Gravina E, et al.
Endocrinol (Roma) 25:135-42, Apr 72
xine elimination by peritoneal dialysis in
rimental thyrotoxicosis. Herrmann J, et al.
Metab Res 5:180-3, May 73
triiodothyronine concentrations in infancy,
lhood, adolescence and pediatric thyroid
rders. AvRuskin TW, et al.
lin Endocrinol Metab 37:235-7, Aug 73
noassay of thyroxine in unextracted human
m. Larsen PR, et al.
lin Endocrinol Metab 37:177-82, Aug 73
essive decrease in serum triiodothyronine
entrations with human aging: radioimmunoassay
wing extraction of serum. Rubenstein HA, et al.
lin Endocrinol Metab 37:247-53, Aug 73
id hormone inhibition of the prolactin response
hyrotropin-releasing hormone. Snyder PJ, et al.
lin Invest 52:2324-9, Sep 73
immunoassay of serum tri-iodothyroine in
ents with thyroid disease. Eastman CJ, et al.
ndocrinol 58:22-3, Jul 73
oassay of thyroid stimulating hormone in serum.
lichareon C, et al.
led Assoc Thai 56:453-60, Aug 73
Gaussian distribution of serum thyroxine levels
euthyroid population. Brookeman VA.
Nucl Med 14:660-8, Sep 73
and free triiodothyronine and thyroxine levels in
thyroid storm and recurrent hyperthydroidism.
Jacobs HS, et al. Lancet 1:236-8, 4 Aug 73
Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131. Toft AD, et al. Lancet 2:644-5, 22 Sep 73
Advances in lipoprotein research. Biochemical and clinical aspects. Seidel D. Nutr Metab 15:9-16, 1973
[Determination of serum thyroxine using labelled thyroxine 131-I] Hníková O, et al.
Sb Lek 75:257-62, Sep 73 (Eng. Abstr.) (Cze)
[Microassay of serum thyroxine with radioimmunological method] Beckers C, et al.
Ann Endocrinol (Paris) 33:645-50, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Hyperthyroidism--thrombopenic purpura--vitiligo] Godeau P, et al.
Ann Med Interne (Paris) 124:327-31, Apr 73 (Fre)
[Comparative study of erythrocytic 2,3-diphosphoglycerate in normal or hyperthyroid humans] Vallet B, et al.
C R Soc Biol (Paris) 166:1750-2, 1972 (Fre)
[Activated serum creatine kinase] Thürmer J, et al.
Dtsch Med Wochenschr 98:1568-9, 24 Aug 73 (Ger)
[Plasma protein changes in untreated and treated hyperthyroidism] Medau HJ, et al.
Verh Dtsch Ges Inn Med 78:1532-4, 1972 (Ger)
[Significance of the sympatho-adrenal system for circulatory changes in hyperthyroidism] Lohmann FW, et al.
Z Kardiol 62:472-80, May 73 (Eng. Abstr.) (Ger)
[Significance of basal blood somatotropin in man during normal and pathological states] Giordano G, et al.
Arch E Maragliano Patol Clin 28:73-99, Jan-Jun 72 (Eng. Abstr.) (Ita)
[Renin-angiotensin system and vascular sensitivity in hyperthyroidism] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 21:615-8, Jun 73 (Jap)
[Renin-angiotensin-aldosterone system in hyperthyroidism] Fukuchi S, et al.
Folia Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.) (Jap)
[Inorganic iodide therapy for T3-thyrotoxicosis] Sakurada T, et al.
Folia Endocrinol Jap 49:876-81, 20 Jun 73 (Eng. Abstr.) (Jap)
[Thyroid function test by Res-O-Mat ETR test. II. Simultaneous determination of the effective thyroxine ratio and thyroxine concentration in the blood Res-O-Mat ETR test] Inada M, et al.
Jap J Nucl Med 10:37-43, Feb 73 (Eng. Abstr.) (Jap)
[The effect of thyroid hormones and thyrostatics on the level of sialic acids in the serum of rats] Kuz'mak NI. Fiziol Zh SSSR 59:1114-21, Jul 73 (Rus)

CHEMICALLY INDUCED

Catecholamines: thyroid function and the sexual cycle in rats. Fernández BE, et al.
Acta Endocrinol (Kbh) 73:273-81, Jun 73
Experimental thyrotoxicosis: effects of graded doses of T4 plus T3. Nolte J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:147, 1973
Effects of fructose, glucose and glyceraldehyde on the toxicity of ethanol in hyperthyroid rats. Hillborn ME, et al. Acta Med Scand [Suppl] 542:151-5, 1972
Dopamine receptor site sensitivity in hyperthyroid guinea pigs: a possible model of hyperthyroid chorea. Klawans HL Jr, et al. J Neural Transm 34:187-93, 1973
[Effect of prolonged administration of thyroxine on the lipid metabolism of the liver in experimental thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS.
Arch Ophthalmol 90:131-2, Aug 73
Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al.
Arch Surg 105:738-40, Nov 72
Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. Br J Radiol 46:695-8, Sep 73
Dopamine receptor site sensitivity in hyperthyroid

guinea pigs: a possible model of hyperthyroid chorea. Klawans HL Jr, et al. **J Neural Transm** 34:187-93, 1973

Hyperthyroidism and pregnancy. Reinfrank RF. **J Reprod Med** 8:56-8, Feb 72

Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73

Thyrotoxicosis in an elderly population. Stiel JN, et al. **Med J Aust** 2:986-8, 28 Oct 72

Electrocardiographic changes in hyperthyroidism after adrenergic blockade with reserpine and propranolol. Teoh PC, et al. **Med J Aust** 2:116-8, 21 Jul 73

Myopathy or neuropathy in thyrotoxicosis. Scarpalezos S, et al. **N Engl J Med** 289:918-9, 25 Oct 73

Thyrotoxic periodic paralysis. Function of sarcoplasmic reticulum and muscle glycogen. Takagi A, et al. **Neurology (Minneap)** 23:1008-16, Sep 73

[Thrombopenic purpura and hyperthyroidism] Dao C, et al. **Ann Med Interne (Paris)** 124:323-6, Apr 73 **(Fre)**

[Hyperthyroidism--thrombopenic purpura--vitiligo] Godeau P, et al. **Ann Med Interne (Paris)** 124:327-31, Apr 73 **(Fre)**

[Association of Addison's disease and hyperthyroidism] Sudre Y, et al. **Cah Med** 14:175-85, Mar 73 **(Fre)**

[Amenorrhea-galactorrhea and thyroid pathology] Matte R, et al. **Union Med Can** 101:279-81, Feb 72 (Eng. Abstr.) **(Fre)**

[Fatal bleeding from peptic ulcer complicated with hyperthyroidism. A case report] Maruyama K, et al. **J Jap Soc Intern Med** 62:374-9, Apr 73 **(Jap)**

[Case of apathetic form of Graves-Basedow disease with hyperthyroidism] Hanzlik J, et al. **Wiad Lek** 26:1449-51, 1 Aug 73 **(Pol)**

[Hyperthyroidism and cardiothyreosis, borderlines and physiopathological mechanisms. (Cardio-hemodynamic exploration)] Popovici D. **Stud Cercet Endocrinol** 24:263-74, 1973 **(Rum)**

[Pathogenic factors of thyrotoxic heart] Prudnikova RV. **Vrach Delo** 1:37-41, Jan 73 (Eng. Abstr.) **(Rus)**

[Articular manifestations of primary hyperthyroidism] Antonio Cetina J, et al. **Rev Invest Clin** 25:143-51, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Hypertriiodothyroninemia. Hesch RD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:17, 1973

Evaluation of a free thyroxine index. Elewaut A, et al. **Ann Endocrinol (Paris)** 34:84-90, Jan-Feb 73

Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al. **Arch Surg** 105:738-40, Nov 72

Discriminant value of thyroid function tests. Jorgensen JV. **Br Med J** 3:170, 21 Jul 73

Thyrotrophin releasing hormone and thyroid function. Hall R. **J Endocrinol** 58:xxxv, Aug 73

The urinary excretion of triiodothyronine (T3) and thyroxine (T4) in man. Burke CW, et al. **J Physiol (Lond)** 231:62P, Jun 73

Hyperthyroidism and pregnancy. Reinfrank RF. **J Reprod Med** 8:56-8, Feb 72

Serum tests for thyroid function. Bell RL. **J Tenn Med Assoc** 66:626-7, Jun 73

Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73

Thyrotoxicosis in an elderly population. Stiel JN, et al. **Med J Aust** 2:986-8, 28 Oct 72

Hyperthyroidism and hypothyroidism in the elderly. **Med J Aust** 2:979-80, 28 Oct 72

Radioassay and the thyroid gland. Robbins J. **Metabolism** 22:1021-6, Aug 73 (42 ref.)

Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. **Q J Med** 42:575-83, Jul 73

A quantitative analysis of the effect of thyroid suppression and stimulation on 131 I thyroid trapping. Rosenthall L. **Radiology** 108:353-7, Aug 73

The management of thyroid diseases. Bayliss RI. **Trans Med Soc Lond** 88:34-9, 1972

[Value of the gamma-camera in thyroid gland studies] Galle P, et al. **Ann Endocrinol (Paris)** 34:40-7, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Thyroid index method in clinical diagnosis of thyrotoxicosis] Simonin R, et al. **Sem Hop Paris** 49:1595-601, 8 May 73 (Eng. Abstr.) **(Fre)**

[The problems of the adolescent] Bernard L. **Vie Med Can Fr** 2:565-8, Jun 73 **(Fre)**

[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeutic principle] Gerdes H, et al. **Dtsch Med Wochenschr** 98:1551-4, 24 Aug 73 (Eng Abstr.) **(Ger)**

[Thyroid gland function tests] Pfannenstiel P. **Med Klin** 68:1143-6, 7 Sep 73 (13 ref.) **(Ger)**

[Clinical application of thyroid angiography in thyroid diseases] Mihashi S, et al. **J Otolaryngol Jap** 76:427-31, Apr 73 **(Jap)**

[Hyperthyroidism without tachycardia] Komarnicka R, et al. **Pol Tyg Lek** 28:910-1, 1973 (Eng. Abstr.) **(Pol)**

[Scintillographic diagnosis] Medeiros Neto GA de. **Rev Assoc Med Bras** 19:169 passim, Apr 73 **(Por)**

[Differential diagnosis of cardiac manifestations in thyrotoxicosis and neurocirculatory dystonia] Rom-Bugoslavskaia ES, et al. **Kardiologiia** 13:113-5, 1973 **(Rus)**

[Radioisotope methods of studying the function of the thyroid gland used for the diagnosis of hyper- and hypothyroidism in Kirghizia] Kaliuzhnyi IT, et al. **Sov Zdravookhr Kirg** 2:14-8, Mar-Apr 73 **(Rus)**

DRUG THERAPY

Successful treatment of thyrotoxicosis by lithium. Gerdes H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:23, 1973

Recurrence of thyrotoxicosis with regard to thyroid suppressibility after treatment with antithyroid drugs. Hackenberg K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:20, 1973

Adverse reactions to propranolol in hospitalized medical patients: a report from the Boston Collaborative Drug Surveillance Program. Greenblatt DJ, et al. **Am Heart J** 86:478-84, Oct 73

Optic neuropathy of Graves disease, hyperthyroidism and ocular myasthenia gravis. Cohen JS. **Arch Ophthalmol** 90:131-2, Aug 73

Visken (LB-46) a double blind cross-over study in cardiac arrhythmias. Damany SJ, et al. **Indian Heart J** 24:Suppl 1:211-2, Jun 72

Further indications for Visken. Holmes D, et al. **Indian Heart J** 24:Suppl 1:244-8, Jun 72

A new beta-adrenergic blocking agent in cardiac arrhythmias. Tikare SK, et al. **Indian Heart J** 24:Suppl 1:213-4, Jun 72

The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al. **J Pathol** 109:p8-9, Jan 73

The influence of pre-operative drug therapy on lymphoid tissue in patients with primary thyrotoxicosis. Simpson JG, et al. **J Pathol** 109:p8, Jan 73

Hyperthyroidism and pregnancy. Reinfrank RF. **J Reprod Med** 8:56-8, Feb 72

Iodine-125 in thyrotoxicosis. **Lancet** 2:426, 25 Aug 73 (22 ref.)

Electrocardiographic changes in hyperthyroidism after adrenergic blockade with reserpine and propranolol. Teoh PC, et al. **Med J Aust** 2:116-8, 21 Jul 73

Hyperthyroidism and hypothyroidism in the elderly. **Med J Aust** 2:979-80, 28 Oct 72

Comparison of propranolol and Ro 3-3528 in hyperthyroid tachycardia and dysrhythmias. Phillips EM, et al. **Postgrad Med J** 49:18-23, Jan 73

Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. **Q J Med** 42:575-83, Jul 73

The management of thyroid diseases. Bayliss RI. **Trans Med Soc Lond** 88:34-9, 1972

[Beta-blocking agents in anesthesia and resuscitation] Nicolas F. **Anesth Analg (Paris)** 30:21-40, Jan-Feb 73 (89 ref.) **(Fre)**

[Value of a beta-blocking drug in prolonged treatment of hyperthyroidism and in the triiodothyronine inhibition assay] Jaffiol C, et al. **Therapeutique** 49:111-4, Feb 73 **(Fre)**

[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeutic principle] Gerdes H, et al. **Dtsch Med Wochenschr** 98:1551-4, 24 Aug 73 (Eng Abstr.) **(Ger)**

[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H. **Internist (Berlin)** 14:175-6, Apr 73 (18 ref.) **(Ger)**

[Plasma protein changes in untreated and treated

LIBRARY U. OF L. URBANA-CHAMPAIGN

rthyroidism] Medau HJ, et al.
Dtsch Ges Inn Med 78:1532-4, 1972 (Ger)
anic iodide therapy for T3-thyrotoxicosis]
rada T, et al.
Endocrinol Jap 49:876-81, 20 Jun 73 (Eng. Abstr.) (Jap)
ment with metronidazole of endocrine
hthalmos] González-Bárcena D, et al.
Invest Med (Mex) 4:69-74, 1973 (Eng. Abstr.) (Spa)
otoxic cardiopathy in pregnancy] Maljar L, et al.
Clin Esp 129:499-502, 15 Jun 73 (Spa)

ENZYMOLOGY

in-cholesterol-acyltransferase (LCAT) activity
yper- and hypothyroidism. Adlkofer F, et al.
Endocrinol [Suppl] (Kbh) 173:143, 1973
of norepinephrine and sodium fluoride on heart
yl cyclase in newborn and adult rats. Brus R, et al.
crinology 93:982-5, Oct 73
ated serum creatine kinase] Thürmer J, et al.
Med Wochenschr 98:1568-9, 24 Aug 73 (Ger)

ETIOLOGY

thyroidism due to struma ovarii: demonstration
adioiodine scan. Brown WW, et al.
Endocrinol (Kbh) 73:266-72, Jun 73
stinal hyperfunctioning parathyroid tumors:
w of 14 cases. Scholz DA, et al.
Surg 178:173-8, Aug 73
ry hyperparathyroidism. Current diagnosis,
ment, and results. Irvin GL 3d, et al.
Surg 105:738-40, Nov 72
s of chronic hemodialysis on thyroid function in
ic renal failure. Silverberg DS, et al.
Med Assoc J 109:282-6, 18 Aug 73
l syndromes associated with thymic disorders.
s EW, et al.
R Soc Med 66:151-4, Feb 73 (40 ref.)
rthyreosis caused by a TSH-producing
nophobe hypophyseal adenoma] Hrubesch M, et
erh Dtsch Ges Inn Med 78:1529-32, 1972 (Ger)
id function in chronic ischemic cardiopathy in
and aged patients. I] Dumitru M.
Cercet Endocrinol 24:291-8, 1973 (Rum)
chromocytoma. Clinical and diagnostic aspects in
ases] Papadopol S.
Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) (Rum)

IMMUNOLOGY

ediated immunity in the exophthalmos of
es' disease as demonstrated by the migration
ition factor (MIF) test. Munro RE, et al.
n Endocrinol Metab 37:286-92, Aug 73
nbopenic purpura and hyperthyroidism] Dao C,
Ann Med Interne (Paris) 124:323-6, Apr 73 (Fre)
rthyroidism--thrombopenic purpura--vitiligo]
au P, et al.
Med Interne (Paris) 124:327-31, Apr 73 (Fre)

METABOLISM

olamines: thyroid function and the sexual cycle
ts. Fernández BE, et al.
Endocrinol (Kbh) 73:273-81, Jun 73
of thyrotrophin-releasing hormone on serum
of pituitary hormones in men and women.
sen PA, et al.
Endocrinol (Kbh) 73:455-64, Jul 73
athy in hyperthyroidism--a study of 47 calcium
ics and quantitative histology of bone. Montz F,
Acta Endocrinol [Suppl] (Kbh) 173:146, 1973
of fructose, glucose and glyceraldehyde on the
ty of ethanol in hyperthyroid rats. Hillborn ME,
Acta Med Scand [Suppl] 542:151-5, 1972
of L-5-HTP on the release of growth hormone,
and insulin. Yoshimura M, et al.
crinol Jap 20:135-41, Apr 73
g of 5 -androstane-3,17 -diol to human plasma
ins. Clark AF, et al. J Endocrinol 57:298, May 73
ine receptor site sensitivity in hyperthyroid
a pigs: a possible model of hyperthyroid chorea.
ans HL Jr, et al. J Neural Transm 34:187-93, 1973
n between the 6- and 24-hour thyroidal 131-I
e and the control of thyrotoxicosis by radioactive 131-I therapy. Sagel J, et al.
S Afr Med J 47:1356-8, 4 Aug 73
[Relationships between growth hormone and thyroid hormones in man] Felt V.
Cas Lek Cesk 112:1045-9, 24 Aug 73 (Eng. Abstr.) (Cze)
[T3--thyrotoxicosis] Gordon A.
Harefuah 84:616-7, 1 Jun 73 (Heb)
[Hyperthyroidism with unusual thyroid stimulator detected in the pituitary gland] Koshiji Y, et al.
Clin Endocrinol (Tokyo) 21:317-21, Mar 73 (Jap)
[Electrolyte in balance in diffuse toxic goiter] Lipets AI.
Probl Endokrinol (Mosk) 19:16-8, May-Jun 73 (Eng. Abstr.) (Rus)
[Effect of prolonged administration of thyroxine on the lipid metabolism of the liver in experimental thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) (Rus)
[Pathogenic factors of thyrotoxic heart] Prudnikova RV. Vrach Delo 1:37-41, Jan 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS.
Arch Ophthalmol 90:131-2, Aug 73
Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. Br J Radiol 46:695-8, Sep 73
The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al.
J Pathol 109:p8-9, Jan 73
Histochemical studies on thyroid adenoma built of C cells. Beskid M, et al. Mater Med Pol 4:53-9, Apr-Jun 72
[Some clinical physiological comparisons in characterizing thyrotoxic heart] Rom-Bugoslavskaia ES.
Probl Endokrinol (Mosk) 19:11-6, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Thyroxine binding globulin (TBG) in thyrotoxicosis and in hypothyroidism. Gravina E, et al.
Folia Endocrinol (Roma) 25:135-42, Apr 72
Growth hormone responses to hypoglycaemia and arginine tests in hyperthyroid and hypothyroid patients. Neri V, et al.
Folia Endocrinol (Roma) 26:102-9, Apr 73
Multiplicity of muscle changes postulated from motoneuron abnormalities. Engel WK, et al.
Muscle Biol 1:229-53, 1972 (76 ref.)
Myopathy or neuropathy in thyrotoxicosis. Scarpalezos S, et al. N Engl J Med 289:918-9, 25 Oct 73
[EEG study of hyperthyroidism and hypothroidism] Roth B, et al.
Cesk Neurol 36:284-93, Sep 73 (Eng. Abstr.) (Cze)
[Circulatory changes in experimental hyperthyroidism in rats. II. Blood flow through endocrine glands] Kapitola J, et al.
Sb Lek 75:231-6, Aug 73 (Eng. Abstr.) (Cze)
[Hemodynamic study of hyperthyroidism] Blum J, et al.
Nouv Presse Med 2:1995, 1 Sep 73 (Fre)
[Significance of the sympatho-adrenal system for circulatory changes in hyperthyroidism] Lohmann FW, et al.
Z Kardiol 62:472-80, May 73 (Eng. Abstr.) (Ger)
[Renin-angiotensin system and vascular sensitivity in hyperthyroidism] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 21:615-8, Jun 73 (Jap)
[Left ventricle activity in polycardiographic examinations in patients with hyperthyroidism] Klimiuk L, et al.
Endokrynol Pol 24:249-56, May-Jun 73 (Eng. Abstr.) (Pol)
[Hyperthyroidism without tachycardia] Komarnicka R, et al. Pol Tyg Lek 28:910-1, 1973 (Eng. Abstr.) (Pol)
[Nodulectomy as the choice for the surgical therapy of autonomous thyroid nodules: physiopathological justification, tactics and follow up evaluation] Ferraz AR.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug 73 (Eng. Abstr.) (Por)
[Effect of prolonged administration of thyroxine on the lipid metabolism of the liver in experimental thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) (Rus)
[Pathogenic factors of thyrotoxic heart] Prudnikova RV. Vrach Delo 1:37-41, Jan 73 (Eng. Abstr.) (Rus)
[Cardiodynamics and external respiration in the

disorders of the thyroid function] Voroshilova SG. **Vrach Delo** 1:97-9, Jan 73 **(Rus)**

PREVENTION & CONTROL

The effect of simultaneous treatment with thyroxine and ascorbic and precursors on serum cholesterol concentration. Rolek DF, et al. **Atherosclerosis** 15:185-8, Mar-Apr 72

RADIOGRAPHY

Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. **Br J Radiol** 46:695-8, Sep 73

RADIOTHERAPY

Results of treating 297 thyrotolic patients with 125-I. Bremner WF, et al. **Lancet** 2:281-2, 11 Aug 73
Treatment of thyrotoxicosis. Gimlette TM, et al. **Lancet** 2:619, 15 Sep 73
Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131. Toft AD, et al. **Lancet** 2:644-5, 22 Sep 73
Iodine-131 and carcinogenesis. **Med J Aust** 1:1171-2, 16 Jun 73
I-131 treatment of hyperthyroidism. Analysis of 369 cases treated with an initial dose of 15 MC or less. Yang HF. **Nagoya J Med Sci** 34:267-81, Mar 72
I-131 treatment for toxic diffuse goiter. Analysis of 1056 cured cases. Yang HF. **Nagoya J Med Sci** 34:283-96, Mar 72
Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. **Q J Med** 42:575-83, Jul 73
Relation between the 6- and 24-hour thyroidal 131-I uptake and the control of thyrotoxicosis by radioactive 131-I therapy. Sagel J, et al. **S Afr Med J** 47:1356-8, 4 Aug 73
[Thrombopenic purpura and hyperthyroidism] Dao C, et al. **Ann Med Interne (Paris)** 124:323-6, Apr 73 **(Fre)**
[Hyperthyroidism--thrombopenic purpura--vitiligo] Godeau P, et al. **Ann Med Interne (Paris)** 124:327-31, Apr 73 **(Fre)**
[Late side effects of radioactive iodine therapy in hyperthyroidism] Hara M, et al. **Jap J Clin Radiol** 48:527-41, Aug 73 (122 ref.) **(Jap)**

SURGERY

Technical factors influencing morbidity in thyroid operations. Haff RC. **Am J Surg** 126:383-6, Sep 73
Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al. **Arch Surg** 105:738-40, Nov 72
The influence of pre-operative drug therapy on lymphoid tissue in patients with primary thyrotoxicosis. Simpson JG, et al. **J Pathol** 109:p8, Jan 73
Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. **Q J Med** 42:575-83, Jul 73
The surgical management of thyroid disorders. Wade H. **Trans Med Soc Lond** 88:40-52, 1972
[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al. **Zentralbl Chir** 98:703-5, 11 May 73 **(Ger)**
[Nodulectomy as the choice for the surgical therapy of autonomous thyroid nodules: physiopathological justification, tactics and follow up evaluation] Ferraz AR. **Rev Hosp Clin Fac Med Sao Paulo** 28:222-32, Jul-Aug 73 (Eng. Abstr.) **(Por)**
[The extent and variants of surgical operations for thyrotoxicosis] Kal'chenko II, et al. **Klin Khir** 12:17-24, Dec 72 **(Rus)**

THERAPY

Plasmapheresis in the treatment of thyrotoxic crisis (measurement of half-concentration times for free and total T3 and T4). Herrmann J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:22, 1973
Management of endocrine emergencies. Strong JA. **Practitioner** 211:25-32, Jul 73
Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. **Q J Med** 42:575-83, Jul 73
[Composition of patients and periods of stay in endocrinological hospitals] Belikhova EL, et al. **Probl Endokrinol (Mosk)** 19:43-5, May-Jun 73 (Eng. Abstr.) **(Rus)**

URINE

[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and af administration of drugs] Yamada S. **Folia Endocrinol Jap** 49:844-64, 20 Jun 73 (Eng. Abs (J

HYPOTHYROIDISM

Varieties of hypothyroidism. Pittman JA Jr. **Med Ann DC** 42:435-9, Sep 73
[Child hypothyroidism due to isolated defect hypophyseal thyroid stimulating hormone] Job JC al. **Arch Fr Pediatr** 30:61-4, Jan 73 (Eng. Abstr.) (F
[Oral manifestations in hypothyroidism] Kordić **Acta Stomatol Croat** 7:44-8, 1972-73 (Eng. Abs (C

BLOOD

Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement ther Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug
Semi-automated method for serum thyroxine as ioc using commercially available pre-packed res columns. Burnett D, et al. **Clin Chim Acta** 46:321-32, 14 Jul 73
The immunoassay of thyroid-stimulating hormone its clinical applications. Hall R. **Clin Endocrinol (Oxf)** 1:115-25, Jan 72 (53 r
The radioimmunoassay of triiodothyronine in unextracted human serum. Evered DC. **Clin Sci** 44:6P passim, Feb 73
Triglyceride metabolism in thyroid disease. Tul BR, et al. **Clin Sci** 44:6P passim, Feb 73
Effect of intravenous and oral administration of L-t on HGH and TSH release. Yoshimura M, et **Endocrinol Jap** 19:543-8, Dec 72
Thyroxine binding globulin (TBG) in thyrotoxic and in hypothyroidism. Gravina E, et al. **Folia Endocrinol (Roma)** 25:135-42, Apr 72
Serum triiodothyronine concentrations in infa childhood, adolescence and pediatric thyroi disorders. AvRuskin TW, et al. **J Clin Endocrinol Metab** 37:235-7, Aug 73
Immunoassay of thyroxine in unextracted hu serum. Larsen PR, et al. **J Clin Endocrinol Metab** 37:177-82, Aug 73
Serum thyrotropin (TSH) in pituitary and-o hypothalamic hypothyroidism: normal or elev basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et **J Clin Endocrinol Metab** 37:190-6, Aug 73
Progressive decrease in serum triiodothyroni concentrations with human aging: radioimmuno following extraction of serum. Rubenstein HA, **J Clin Endocrinol Metab** 37:247-53, Aug 73
Thyroid hormone inhibition of the prolactin resp to thyrotropin-releasing hormone. Snyder PJ, **J Clin Invest** 52:2324-9, Sep 73
Repetitive administration of thyrotropin-relea hormone results in small elevations of serum th hormones and in marked inhibition of thyroti response. Snyder PJ, et al. **J Clin Invest** 52:2305-12, Sep 73
Radioimmunoassay of serum tri-iodothyroine patients with thyroid disease. Eastman CJ, **J Endocrinol** 58:22-3, Jul 73
Assessment of the radioimmunoassay for pi thyroid-stimulating hormone (TSH) and of TSH-stimulation test in the diagnosis of consecutive patients with suspected hypothyroi Irvine WJ, et al. **J Endocrinol** 58:23-4, Ju
The bioassay of thyroid stimulating hormone in se Tantichareon C, et al. **J Med Assoc Thai** 56:453-60, Aug 73
Non-Gaussian distribution of serum thyroxine for euthyroid population. Brookeman VA. **J Nucl Med** 14:680-8, Sep 73
Advances in lipoprotein research. Biochemica clinical aspects. Seidel D. **Nutr Metab** 15:9-16,
[Determination of serum thyroxine using lab thyroxine 131-I] Hníková O, et al. **Sb Lek** 75:257-62, Sep 73 (Eng. Abstr.)
[Practical value of radioimmunoassay of pitu thyreotropic hormone] Chaussain JL, et a **Ann Endocrinol (Paris)** 33:557-70, Nov-Dec 72 Abstr.)

LIBRARY U. OF L. URBANA-CHAMPAIGN

vated serum creatine kinase] Thürmer J, et al.
ch Med Wochenschr 98:1568-9, 24 Aug 73 (Ger)
ificance of the sympatho-adrenal system for
ulatory changes in hyperthyroidism] Lohmann
et al.
ardiol 62:472-80, May 73 (Eng. Abstr.) (Ger)
in-angiotensin-aldosterone system in
erthyroidism] Fukuchi S, et al.
a Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.)
(Jap)
an thyroid stimulating hormone level in various
oid disorders] Ito J, et al.
a Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng.
tr.) (Jap)
l and HTSH secretion in hypothyroidism] Oyama
et al.
a Endocrinol Jap 49:775-80, 20 May 73 (Eng.
tr.) (Jap)
oid function test by Res-O-Mat ETR test. II.
ultaneous determination of the effective
oxine ratio and thyroxine concentration in the
d Res-O-Mat ETR test] Inada M, et al.
J Nucl Med 10:37-43, Feb 73 (Eng. Abstr.) (Jap)
ct of adrenaline on blood glucose curve in
othyroid children] Rybakowa M, et al.
iatr Pol 48:683-8, Jun 73 (Eng. Abstr.) (Pol)
effect of thyroid hormones and thyrostatics on
level of sialic acids in the serum of rats] Kuz'mak
Fiziol Zh SSSR 59:1114-21, Jul 73 (Rus)

CHEMICALLY INDUCED

thyroidism following lithium treatment. Edhag O,
al. Acta Med Scand 193:553-5, Jun 73
ts of hypothyroidism and progesterone on
mary tumours induced by
dimethylbenz(a)anthracene in Sprague-Dawley
Jabara AG, et al. Br J Cancer 28:161-72, Aug 73
tiveness of thyroxine and triiodothyronine in
ical and prophylthiouracil induced
othyroidism assessed by changes in intestinal
trogenic transfer. Levin RJ, et al.
hysiol (Lond) 232:78P-79P, Jul 73
thyroidism and hyperparathyroidism associated
lithium. Garfinkel PE, et al.
cet 2:331-2, 11 Aug 73
t of lithium on thyroid in man. Lloyd GG, et al.
cet 2:619, 15 Sep 73
t of lithium on thyroid in man. Villeneuve A, et al.
cet 2:502, 1 Sep 73
e-125 in thyrotoxicosis.
cet 2:426, 25 Aug 73 (22 ref.)
thyroidism in patients treated with lithium: a
ew and two case reports. Crowe MJ, et al.
chol Med 3:337-42, Aug 73
-effects and effects of lithium therapy on the
ocrinium in man] Gerdes H.
rmist (Berlin) 14:175-6, Apr 73 (18 ref.) (Ger)

CLASSIFICATION

es of hypothyroidism. Himsworth RL, et al.
Med J 3:295, 4 Aug 73
ties of hypothyroidism. Pittman JA Jr.
Ann DC 42:435-9, Sep 73

COMPLICATIONS

oid disease and some complications. Wilson WW.
R Coll Surg Engl 53:27-39, Jul 73
cutaneous candidiasis in a mother and son. Kroll
et al. Arch Dermatol 108:259-62, Aug 73
he genesis of atherosclerosis. Barnes BO.
m Geriatr Soc 21:350-4, Aug 73
thyroidism and hyperparathyroidism associated
lithium. Garfinkel PE, et al.
cet 2:331-2, 11 Aug 73
thyroidism and precocious sexual development:
her case. Comas AP. Pediatrics 52:149-50, Jul 73
iatory failure in COPD. Williams MH Jr.
grad Med 54:124-8, Sep 73
onstration of autoimmune pathological processes
ng pantele-endocrine diseases and
-endocrinopathies. Apropos of 4 cases] De
neas JL, et al.
Endocrinol (Paris) 34:31-9, Jan-Feb 73 (Eng.
tr.) (Fre)
ol problems and endocrine glands] Lederer J.
el Actuels Endocrinol Nutr 16:321-38, 3 May 73
(Fre)

[Hypothyroid myopathy: ultrastructural study] Roger P, et al. Sem Hop Paris 49:1765-8, 20 May 73 (Fre)
[How to prevent angina pectoris] Jullien JL.
Therapeutique 49:131-4, Feb 73 (Fre)
[Thyroid gland and mental disorder] Suematsu H.
Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.)
(Jap)
[Change in microhardness and fluorescence of the hard dental tissues in patients with pituitary dwarfism with symptoms of hypothyroidism] Maksimovskiĭ IuM, et al.
Stomatologiia (Mosk) 52:19-21, Jul-Aug 73 (Eng. Abstr.) (Rus)
[Symptoms of cardio-vascular insufficiency in patients with hypothyroidism] Boriak PM.
Vrach Delo 1:94-6, Jan 73 (Eng. Abstr.) (Rus)
[Postpartum amenorrhea and galactorrhea syndrome associated with primary hypothyroidism. Functional study of the secretion of prolactin] Pico I, et al.
Ginecol Obstet Mex 33:251-5, Mar 73 (Eng. Abstr.)
(Spa)
[Hypospadia mental retardation and congenital hypothyroidism] Estrada RV, et al.
Rev Clin Esp 129:593-6, 30 Jun 73 (Spa)

CONGENITAL

[Effect of adrenaline on blood glucose curve in hypothyroid children] Rybakowa M, et al.
Pediatr Pol 48:683-8, Jun 73 (Eng. Abstr.) (Pol)
[Hypospadia mental retardation and congenital hypothyroidism] Estrada RV, et al.
Rev Clin Esp 129:593-6, 30 Jun 73 (Spa)

DIAGNOSIS

Evaluation of a free thyroxine index. Elewaut A, et al.
Ann Endocrinol (Paris) 34:84-90, Jan-Feb 73
Discriminant value of thyroid function tests. Jorgensen JV. Br Med J 3:170, 21 Jul 73
Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73
Thyrotrophin releasing hormone and thyroid function.
Hall R. J Endocrinol 58:xxxv, Aug 73
Assessment of the radioimmunoassay for plasma thyroid-stimulating hormone (TSH) and of the TSH-stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism.
Irvine WJ, et al. J Endocrinol 58:23-4, Jul 73
The urinary excretion of triiodothyronine (T3) and thyroxine (T4) in man. Burke CW, et al.
J Physiol (Lond) 231:62P, Jun 73
Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al.
Lancet 2:331-2, 11 Aug 73
Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72
The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972
[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al.
Ann Endocrinol (Paris) 33:599-605, Nov-Dec 72 (Eng. Abstr.) (Fre)
[Activated serum creatine kinase] Thürmer J, et al.
Dtsch Med Wochenschr 98:1568-9, 24 Aug 73 (Ger)
[Myxedematous pericardial effusion following immune thyroiditis] Hallauer W, et al.
Med Klin 68:1151-5, 7 Sep 73 (Eng. Abstr.) (Ger)
[Asymptomatic struma. Nuclear-medical diagnosis and therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 (Ger)
[Thyroid gland function tests] Pfannenstiel P.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) (Ger)
[Hypothyroidism in an infant] Wilk F.
Wien Med Wochenschr 123:418-20, 30 Jun 73 (Ger)
[Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect] Itelson I, et al. Harefuah 84:648-50, 15 Jun 73 (Eng. Abstr.) (Heb)
[Clinical cases with interesting responses in TRF tests] Sakota M, et al.
Clin Endocrinol (Tokyo) 21:431-7, Apr 73 (Jap)
[Familial hypothyroidism with deafness (Pendred's syndrome)] Dubiel A, et al.
Endokrynol Pol 24:257-64, May-Jun 73 (Eng. Abstr.)
(Pol)
[Radioisotope methods of studying the function of the thyroid gland used for the diagnosis of hyper- and hypothyroidism in Kirghizia] Kaliuzhnyi IT, et al.
Sov Zdravookhr Kirg 2:14-8, Mar-Apr 73 (Rus)

HYPOTHYROIDISM

DRUG THERAPY

Lingual thyroid. Clinical characteristics of 15 cases. Neinas FW, et al. **Ann Intern Med** 79:205-10, Aug 73

Treatment of hypothyroidism: a reappraisal of thyroxine therapy. Evered D, et al. **Br Med J** 3:131-4, 21 Jul 73

Treatment of hypothyroidism. Fowler PB. **Br Med J** 3:352-3, 11 Aug 73

Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement therapy. Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug 73

Hyperthyroidism and hypothyroidism in the elderly. **Med J Aust** 2:979-80, 28 Oct 72

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

Hypothyroidism and precocious sexual development: another case. Comas AP. **Pediatrics** 52:149-50, Jul 73

Hypothyroidism in patients treated with lithium: a review and two case reports. Crowe MJ, et al. **Psychol Med** 3:337-42, Aug 73

The management of thyroid diseases. Bayliss RI. **Trans Med Soc Lond** 88:34-9, 1972

[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al. **Ann Endocrinol (Paris)** 33:599-605, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Eyelid edemas, cryesthesia and decrease in vitality during long term lithium therapy] Pfannenstiel P, et al. **Dtsch Med Wochenschr** 98:1578-80, 24 Aug 73 **(Ger)**

[Possibilities in the use of thyrotropin-releasing hormone (TRH)] Retiene K, et al. **Med Klin** 68:1146-50, 7 Sep 73 **(Ger)**

[Hypothyroidism in an infant] Wilk F. **Wien Med Wochenschr** 123:418-20, 30 Jun 73 **(Ger)**

[HGH and HTSH secretion in hypothyroidism] Oyama H, et al. **Folia Endocrinol Jap** 49:775-80, 20 May 73 (Eng. Abstr.) **(Jap)**

[State of protein metabolism in hypothyrosis during the process of lyothyronine-2-hydrochloride] Anikin VV. **Probl Endokrinol (Mosk)** 19:18-22, May-Jun 73 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Lecithin-cholesterol-acyltransferase (LCAT) activity in hyper- and hypothyroidism. Adlkofer F, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:143, 1973

[Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect] Itelson I, et al. **Harefuah** 84:648-50, 15 Jun 73 (Eng. Abstr.) **(Heb)**

[Hormonal and metabolic studies in a case of athyreotic hypothyroidism with secondary hypoactivity of deiodinase] Kuboshima K, et al. **J Jap Soc Intern Med** 62:280-6, Mar 73 **(Jap)**

[Histoenzymochemical study of the liver of white rats with experimental hypothyrosis] Shevchuk VI. **Probl Endokrinol (Mosk)** 19:104-7, May-Jun 73 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Lingual thyroid. Clinical characteristics of 15 cases. Neinas FW, et al. **Ann Intern Med** 79:205-10, Aug 73

Effects of chronic hemodialysis on thyroid function in chronic renal failure. Silverberg DS, et al. **Can Med Assoc J** 109:282-6, 18 Aug 73

Results of treating 297 thyrotolic patients with 125-I. Bremner WF, et al. **Lancet** 2:281-2, 11 Aug 73

Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131. Toft AD, et al. **Lancet** 2:844-5, 22 Sep 73

Varieties of hypothyroidism. Pittman JA Jr. **Med Ann DC** 42:435-9, Sep 73

An unusual cause of hypothyroidism (following excision of lingual thyroid) in a Chinese boy. Cheah JS, et al. **Med J Malaysia** 27:217-9, Mar 73

Monozygous twins with hypothyroidism and diabetes mellitus. Mitchell I, et al. **Postgrad Med J** 49:107-12, Feb 73

[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al. **Ann Endocrinol (Paris)** 33:599-605, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al. **Folia Endocrinol Jap** 49:750-60, 20 May 73 (Eng. Abstr.) **(Jap)**

[Clinical study of TRF test. 7. TRF test response hypothalamic pituitary disorders] Sakoda M, et a **Folia Endocrinol Jap** 49:761-8, 20 May 73 (Eng. Abstr (Ja

[Late side effects of radioactive iodine therapy hyperthyroidism] Hara M, et al. **Jap J Clin Radiol** 48:527-41, Aug 73 (122 ref.) (Ja

[Study of a congenital goiter with hypothyroidis Sánchez-Franco F, et al. **Rev Clin Esp** 129:393-8, 31 May 73 (Sp

FAMILIAL & GENETIC

Monozygous twins with hypothyroidism and diabet mellitus. Mitchell I, et al. **Postgrad Med J** 49:107-12, Feb 73

IMMUNOLOGY

Genetic aspects of autoimmune thyroiditis. Rose NR, al. **Int Arch Allergy Appl Immunol** 45:138-49, 1

[Demonstration of autoimmune pathological proces during pantele-endocrine diseases and poly-endocrinopathies. Apropos of 4 cases] Genness JL, et al. **Ann Endocrinol (Paris)** 34:31-9, Jan-Feb 73 (E Abstr.) (F

METABOLISM

Inhibition of the noradrenaline-induced adenyl cycl stimulation by augmented alpha-adrenergic respo in subcutaneous adipose tissue from hypothyr subjects. Grill V, et al. **Acta Med Scand** 194:129-33, Jul-Aug 73

Triglyceride metabolism in thyroid disease. Tull BR, et al. **Clin Sci** 44:6P passim, Feb 73

Effect of L-5-HTP on the release of growth hormo TSH and insulin. Yoshimura M, et al. **Endocrinol Jap** 20:135-41, Apr 73

Oxygen and glucose uptake, and lactate productio polycystic rat ovary. Surwilo BO, et al. **Endocrinology** 93:652-9, Sep 73

RNA metabolism in brain of suckling normal hypothyroid rats. Guglielmone AE de, et a **Experientia** 28:1101-3, 15 Sep 72

[Hormonal and metabolic studies in a case of athyre hypothyroidism with secondary hypoactivity deiodinase] Kuboshima K, et al. **J Jap Soc Intern Med** 62:280-6, Mar 73 (J

[Effect of adrenaline on blood glucose curve hypothyroid children] Rybakowa M, et al. **Pediatr Pol** 48:683-8, Jun 73 (Eng. Abstr.) (

[State of protein metabolism in hypothyrosis du the process of lyothyronine-2-hydrochloride] An VV. **Probl Endokrinol (Mosk)** 19:18-22, May-Jun 73 (Abstr.) (

OCCURRENCE

[Late side effects of radioactive iodine therap hyperthyroidism] Hara M, et al. **Jap J Clin Radiol** 48:527-41, Aug 73 (122 ref.) (

PHYSIOPATHOLOGY

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve et al. **Dev Psychobiol** 6:123-9, Mar 73

Thyroxine binding globulin (TBG) in thyrotoxi and in hypothyroidism. Gravina E, et al. **Folia Endocrinol (Roma)** 25:135-42, Apr 72

Growth hormone responses to hypoglycaemia arginine tests in hyperthyroid and hypothy patients. Neri V, et al. **Folia Endocrinol (Roma)** 26:102-9, Apr 73

Changes in the performance of the electro transfer mechanisms of the small intestine relat different sources of a commercial feeding die rats. Levin RJ, et al. **J Physiol (Lond)** 231:109P-110P, Jun 73

Varieties of hypothyroidism. Pittman JA Jr. **Med Ann DC** 42:435-9, Sep 73

[EEG study of hyperthyroidism and hypothroi Roth B, et al. **Cesk Neurol** 36:284-93, Sep 73 (Eng. Abstr.)

[Symptoms of cardio-vascular insufficiency in pat with hypothyroidism] Boriak PM. **Vrach Delo** 1:94-6, Jan 73 (Eng. Abstr.)

LIBRARY U. OF L. UMDAN-CHAMPAIGN

tpartum amenorrhea and galactorrhea syndrome
ociated with primary hypothyroidism. Functional
dy of the secretion of prolactin] Pico I, et al.
ecol Obstet Mex 33:251-5, Mar 73 (Eng. Abstr.)
(Spa)

THERAPY

eties of hypothyroidism. Pittman JA Jr.
Ann DC 42:435-9, Sep 73

XEDEMA

BLOOD

in-angiotensin-aldosterone system in
erthyroidism] Fukuchi S, et al.
a Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.)
(Jap)

COMPLICATIONS

tinal pseudo-obstruction. Moss AA, et al.
Crit Rev Radiol Sci 3:363-87, 1972 (87 ref.)
edema associated with exophthalmos and digital
bing. Shah SS, et al.
an J Med Sci 26:315-8, May 72
double crush in nerve entrapment syndromes.
on AR, et al. Lancet 2:359-62, 18 Aug 73
oimmune disorders in 70 cases of idiopathic
edema] Berthaux R, et al.
Med Interne (Paris) 123:1063-8, Dec 72 (Fre)
edema coma. Study of 3 cases] Cornu P, et al.
Hop Paris 49:1449-58, 26 Apr 73 (Eng. Abstr.)
(Fre)
othyroid myopathy: ultrastructural study] Roger
t al. Sem Hop Paris 49:1765-8, 20 May 73 (Fre)
norrhea-galactorrhea and thyroid pathology]
te R, et al.
n Med Can 101:279-81, Feb 72 (Eng. Abstr.) (Fre)
nostic technics in female sterility] Kremling H, et
Med Klin 68:945-6, Jul 73 (Ger)
ed-fiber study of peripheral neuropathy--relation
ween fiber diameter and Ranvier internodal
th] Matsuoka Y.
Neurol (Tokyo) 13:262-72, Apr 73 (Eng. Abstr.)
(Jap)

DIAGNOSIS

in-bound iodine values in the aged. Getz R, et al.
Afr Med J 47:1270, 28 Jul 73
e of the gamma-camera in thyroid gland studies]
e P, et al.
Endocrinol (Paris) 34:40-7, Jan-Feb 73 (Eng.
tr.) (Fre)

DRUG THERAPY

myxedema--a hypocatabolic syndrome. Crispell
Trans Am Clin Climatol Assoc 84:229-36, 1973
norrhea-galactorrhea and thyroid pathology]
te R, et al.
n Med Can 101:279-81, Feb 72 (Eng. Abstr.) (Fre)

ETIOLOGY

ties of hypothyroidism. Pittman JA Jr.
Ann DC 42:435-9, Sep 73
edematous pericardial effusion following immune
oiditis] Hallauer W, et al.
Klin 68:1151-5, 7 Sep 73 (Eng. Abstr.) (Ger)

IMMUNOLOGY

antibodies and autoimmune syndromes]
itrov DI.
Boles 12:1-7, 1973 (46 ref.) (Eng. Abstr.) (Bul)
immune disorders in 70 cases of idiopathic
edema] Berthaux R, et al.
Med Interne (Paris) 123:1063-8, Dec 72 (Fre)

METABOLISM

myxedema--a hypocatabolic syndrome. Crispell
Trans Am Clin Climatol Assoc 84:229-36, 1973

PATHOLOGY

edema coma. Study of 3 cases] Cornu P, et al.
Sem Hop Paris 49:1449-58, 26 Apr 73 (Eng. Abstr.)
(Fre)

THERAPY

Attempt at thyroid ablation with radioactive iodine for the treatment of ophthalmopathy in Graves' disease. Fawell WN, et al. Am J Med Sci 265:467-72, Jun 73
Management of endocrine emergencies. Strong JA. Practitioner 211:25-32, Jul 73
[Myxedema coma. Study of 3 cases] Cornu P, et al. Sem Hop Paris 49:1449-58, 26 Apr 73 (Eng. Abstr.)
(Fre)

URINE

Adult myxedema--a hypocatabolic syndrome. Crispell KR. Trans Am Clin Climatol Assoc 84:229-36, 1973

THYROID CRISIS

BLOOD

Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. Lancet 1:236-8, 4 Aug 73

CHEMICALLY INDUCED

[Metabolism of 131I labelled thyroxine in patients with diiodotyrosine deiodination disorders] Niimi H, et al. Clin Endocrinol (Tokyo) 21:623-5, Jun 73 (Jap)

DIAGNOSIS

[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeutic principle] Gerdes H, et al.
Dtsch Med Wochenschr 98:1551-4, 24 Aug 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Plasmapheresis in the treatment of thyrotoxic crisis (measurement of half-concentration times for free and total T3 and T4). Herrmann J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:22, 1973
[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeutic principle] Gerdes H, et al.
Dtsch Med Wochenschr 98:1551-4, 24 Aug 73 (Eng. Abstr.) (Ger)
[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al.
Zentralbl Chir 98:703-5, 11 May 73 (Ger)
[Thyroid crisis treated with iodine contrast medium and reserpine] Takeuchi K, et al.
Clin Endocrinol (Tokyo) 21:637-40, Jun 73 (Jap)

PATHOLOGY

Vascularity of the thyroid in Graves' disease. Ozaki O, et al. Yonago Acta Med 16:1-4, Feb 72

SURGERY

[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al.
Zentralbl Chir 98:703-5, 11 May 73 (Ger)

THERAPY

Plasmapheresis in the treatment of thyrotoxic crisis (measurement of half-concentration times for free and total T3 and T4). Herrmann J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:22, 1973
[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al.
Zentralbl Chir 98:703-5, 11 May 73 (Ger)

THYROID DISEASES

Medical research in a growing community. Sinclair JD. NZ Med J 78:1-7, 11 Jul 73
Thyroid abscess in childhood. Olambiwonnu NO, et al. Pediatrics 52:465-7, Sep 73

THYROID DISEASES

BLOOD

Hypertriiodothyroninemia. Hesch RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:17, 1973

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al.
Clin Chim Acta 45:443-7, 30 May 73

Testosterone in plasma. A physiopathological study. Vermeulen A.
Verh K Vlaam Acad Geneeskd Belg 35:95-180, 1973 (104 ref.)

[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Human thyroid stimulating hormone level in various thyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) **(Jap)**

[Determination of serum thyroxine] Kinoshita F, et al.
Jap J Clin Radiol 18:305-14, May 73 (19 ref.) **(Jap)**

[Polarographic analysis of serum protein fractions in some internal diseases] Staś J.
Pol Tyg Lek 28:955-7, 18 Jul 73 **(Pol)**

COMPLICATIONS

Digitalis glycosides. Pharmacokinetics and their clinical implications. Doherty JE.
Ann Intern Med 79:229-38, Aug 73 (46 ref.)

Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73

Yellow nail syndrome. Kandil E.
Int J Dermatol 12:236-40, Jul-Aug 73

Serum-cholesterol, thyroid failure, and coronary-artery disease. Fowler PB, et al.
Lancet 1:685, 25 Mar 72

Incidence of signs and symptoms in thyroid disease. Oddie TH, et al. **Med J Aust** 2:981-6, 28 Oct 72

[Amenorrhea-galactorrhea and thyroid pathology] Matte R, et al.
Union Med Can 101:279-81, Feb 72 (Eng. Abstr.) **(Fre)**

[Diagnostic technics in female sterility] Kremling H, et al. **Med Klin** 68:945-6, Jul 73 **(Ger)**

[Differential diagnosis of diseases of the skeletal muscles] Láhoda F.
Munch Med Wochenschr 115:1089-97, 8 Jun 73 (Eng. Abstr.) **(Ger)**

[Thyroid gland and mental disorder] Suematsu H.
Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.) **(Jap)**

[General anesthesia for thyroid operations--especially on respiratory complications, vago-vagal reflex and recurrent nerve paralysis] Morikawa S, et al.
Jap J Anesthesiol 22:375-82, Apr 73 (Eng. Abstr.) **(Jap)**

[Lactation in women with thyroid gland pathology] Kolodina LN, et al.
Akush Ginekol (Mosk) 48:62-3, Sep 72 **(Rus)**

CONGENITAL

[Erythropoiesis and myelopoiesis in congenital athyroidism] Gabutti V, et al.
Haematologica (Pavia) 58:320-7, 1973 **(Ita)**

DIAGNOSIS

Hypertriiodothyroninemia. Hesch RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:17, 1973

Systemic infection due to Actinobacilius actinomycetemcomitans. Burgher LW, et al.
Am J Clin Pathol 60:412-5, Sep 73

Acute tuberculous abscess of the thyroid gland. Johnson AG, et al. **Br J Surg** 60:668-9, Aug 73

Clinical applications of thyrotrophin-releasing hormone. Hall R. **Clin Sci** 44:2P passim, Feb 73

Radiation exposure of the patient in nuclear medicine. Roo M de. **J Belge Radiol** 56:175-83, Mar-Apr 73

Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man, with special reference to the evaluation for TRF test. Otsuki M, et al. **Kobe J Med Sci** 18:215-28, Dec 72

Diagnostic thyroxine ratio--a screening test. Malinek M, et al. **Med J Aust** 2:1035, 28 Oct 72

Incidence of signs and symptoms in thyroid disease. Oddie TH, et al. **Med J Aust** 2:981-6, 28 Oct 72

The significance of triiodothyronine.
Med J Aust 1:1214-5, 23 Jun 73

Thyroid disease and the computer.
Med J Aust 2:980, 28 Oct 72

In vitro thyroid function tests: a comparison of som commercially available kits. Smidt KP, et al.
NZ Med J 77:365-8, Jun 73

[In vitro radioisotope tests for studies of thyroid glan function] Kupka K, et al.
Vnitr Lek 19:676-82, Jul 73 (Eng. Abstr.) (Cz

[Incidence of decreased glucose tolerance durin impaired function of the thyroid gland] Zamrazil V, al. **Vnitr Lek** 19:634-41, Jul 73 (Eng. Abstr.) (Cz

[Value of the gamma-camera in thyroid gland studie Galle P, et al.
Ann Endocrinol (Paris) 34:40-7, Jan-Feb 73 (En Abstr.) (Fr

[Examinations for the diagnosis of endocrine disease Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 (Fr

[Significance of TRH in the differential diagnosis thyroid gland diseases] Pixberg HU, et al.
Radiol Diagn (Berl) 14:235-8, 1973 (Eng. Abstr.) (Ge

[Comparison between cytologic evaluation of thyro aspiration punctates and radioiodide diagnosis as w as between histological findings in various thyro diseases] Frahm H, et al.
Verh Dtsch Ges Inn Med 78:277-9, 1972 (Ge

[Aspiration cytology of the thyroid gland] Hauptma E, et al. **Verh Dtsch Ges Inn Med** 78:249-53, 1972 (G

[Diagnostic value of thyroid aspiration puncture a cytology in thyroid diseases] Wildmeister W, et **Verh Dtsch Ges Inn Med** 78:289-92, 1972 (G

[The irritable colon] Eisner M.
Minerva Med 64:2827-9, 1973 (I

[Experimental and clinical observation on Thyopa and -4, particularly on Thyopac-4] Kinoshita F, et **Nippon Acta Radiol** 33:247-55, Mar 73 (Eng. Abs (J

[Functional exploration of the TRH-TSH thyroid a Tests of hypophyseal reserve] Sánchez Martin
Rev Iber Endocrinol 20:269-87, May-Jun 73 (E Abstr.) (S

DRUG THERAPY

Systemic infection due to Actinobacilius actinomycetemcomitans. Burgher LW, et al.
Am J Clin Pathol 60:412-5, Sep 73

Thyroid disease and some complications. Wilson W
Ann R Coll Surg Engl 53:27-39, Jul 73

Acute tuberculous abscess of the thyroid gl Johnson AG, et al. **Br J Surg** 60:668-9, Aug

The management of thyroid diseases. Bayliss
Trans Med Soc Lond 88:34-9, 1972

The surgical management of thyroid disorders. W H. **Trans Med Soc Lond** 88:40-52, 1972

[Neurotherapeutic effect of procaine injections on bovine thyroid gland] Kothbauer O, et al.
Milit Med 138:223-5, Sep 73 (Eng. Abstr.) (

ETIOLOGY

Calcitonin in metabolic disorders. Haymovits A, e **Adv Metab Disord** 60:177-212, 1972 (22 ref

Systemic infection due to Actinobacilius actinomycetemcomitans. Burgher LW, et al.
Am J Clin Pathol 60:412-5, Sep 73

FAMILIAL & GENETIC

Lingual thyroid. Clinical characteristics of 15 c Neinas FW, et al. **Ann Intern Med** 79:205-10, A

Response to triiodothyronine and dextroamphetar a study of preschool schizophrenic children. Cam M, et al. **J Autism Child Schizo** 2:343-58, Oct-D

[Amenorrhea-galactorrhea and thyroid pathol Matte R, et al.
Union Med Can 101:279-81, Feb 72 (Eng. Abstr.)

IMMUNOLOGY

Reactivity of sera from patients with renal and diseases with membrane antigens on monkey k cells. Sundqvist KG.
Int Arch Allergy Appl Immunol 42:641-52,

[Lymphocyte transformation test in Sjogren syndrome and thyroid diseases] Otaki M.
Acta Haematol Jap 36:129-38, Apr 73 (Eng. A

LIBRARY U. OF L. URBANA-CHAMPAIGN

METABOLISM

ceride metabolism in thyroid disease. Tulloch et al. **Clin Sci 44:6P passim, Feb 73**
ence of decreased glucose tolerance during ired function of the thyroid gland] Zamrazil V, et **nitr Lek 19:634-41, Jul 73 (Eng. Abstr.) (Cze)**
bolism of 131I labelled thyroxine in patients with otyrosine deiodination disorders] Niimi H, et al. **Endocrinol (Tokyo) 21:623-5, Jun 73 (Jap)**

MICROBIOLOGY

nic infection due to Actinobacillus omycetemcomitans. Burgher LW, et al. **J Clin Pathol 60:412-5, Sep 73**

PATHOLOGY

arison between cytologic evaluation of thyroid ation punctates and radioiodide diagnosis as well tween histological findings in various thyroid ses] Frahm H, et al. **Dtsch Ges Inn Med 78:277-9, 1972 (Ger)**

PHYSIOPATHOLOGY

ro radioisotope tests for studies of thyroid gland ion] Kupka K, et al. **Lek 19:676-82, Jul 73 (Eng. Abstr.) (Cze)**
ional exploration of the TRH-TSH thyroid axis. of hypophyseal reserve] Sánchez Martin JA. **Iber Endocrinol 20:269-87, May-Jun 73 (Eng. r.) (Spa)**

RADIOGRAPHY

onal anomalies of the thyroid gland] Fontányi S, . **Orv Hetil 114:2038-40, 26 Aug 73 (Hun)**
al application of thyroid angiography in thyroid ses] Mihashi S, et al. **olaryngol Jap 76:427-31, Apr 73 (Jap)**

RADIOTHERAPY

d disease and some complications. Wilson WW. **R Coll Surg Engl 53:27-39, Jul 73**
active iodine in cardiology] Maurice P, et al. **peutique 49:119-21, Feb 73 (Fre)**

SURGERY

cal factors influencing morbidity in thyroid tions. Haff RC. **Am J Surg 126:383-6, Sep 73**
rgical management of thyroid disorders. Wade **rans Med Soc Lond 88:40-52, 1972**
al anesthesia for thyroid operations--especially spiratory complications, vago-vagal reflex and rent nerve paralysis] Morikawa S, et al. **Anesthesiol 22:375-82, Apr 73 (Eng. Abstr.) (Jap)**
f vacuum-drainage system in surgical practice] v LA. **Klin Khir 7:54-5, Jul 73 (Rus)**

VETERINARY

therapeutic effect of procaine injections on the e thyroid gland] Kothbauer O, et al. **Med 138:223-5, Sep 73 (Eng. Abstr.) (Ger)**

ROID GLAND

ABNORMALITIES

phaly: a review. Nakano KK. **Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)**
tuberculous abscess of the thyroid gland. on AG, et al. **Br J Surg 60:668-9, Aug 73**
usual cause of hypothyroidism (following on of lingual thyroid) in a Chinese boy. Cheah t al. **Med J Malaysia 27:217-9, Mar 73**
of the gamma-camera in thyroid gland studies] P, et al. **Endocrinol (Paris) 34:40-7, Jan-Feb 73 (Eng.) (Fre)**
onal anomalies of the thyroid gland] Fontányi S, **Orv Hetil 114:2038-40, 26 Aug 73 (Hun)**

THYROID NEOPLASMS

Leukemia and thyroid carcinoma found among A-bomb survivors in Hiroshima. Watanabe S, et al. **Recent Results Cancer Res 39:57-83, 1972**
[Carcinoid tumor of the small intestine with hepatic metastases rich in thyrocalcitonin associated with a C cell benign adenoma of the thyroid gland] Cattan E, et al. **Arch Fr Mal App Dig 62:141-50, Mar 73 (Eng. Abstr.) (Fre)**
[Thyroid sarcoma in endemic regions] Depisch D, et al. **Bruns Beitr Klin Chir 220:397-404, Jul 73 (Eng. Abstr.) (Ger)**
[Demonstration of mycoplasma in uterine neoplasms] Weissenbacher ER. **Med Klin 68:1006-9, 27 Jul 73 (Eng. Abstr.) (Ger)**
[2 cases of thyroid and mammary multiple carcinomas] Ozaki O. **Yonago Acta Med 16:218-28, Feb 73 (Eng. Abstr.) (Ger)**
[Thyroid scintigram. 4. Metastasis of thyroid cancer] Kubo A, et al. **Jap J Clin Radiol 48:597-8, Aug 73 (Jap)**
[Thyroid cancer with metastasis at the level of the clavicle. (Considerations on a case)] Angelescu E, et al. **Stud Cercet Endocrinol 24:321-5, 1973 (Rum)**
[Spindle cell and giant cell anaplastic carcinoma of the thyroid. Study of 62 cases] Albores Saavedra J, et al. **Prensa Med Mex 37:421-9, Nov-Dec 72 (Spa)**

BLOOD

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al. **J Clin Endocrinol Metab 37:297-307, Aug 73**
Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Levin DL, et al. **Pediatrics 52:192-6, Aug 73**
Phenotype of malignancy: the mucosal neuroma syndrome. Schimke RN. **Pediatrics 52:283-4, Aug 73**
[Human thyroid stimulating hormone level in various thyroid disorders] Ito J, et al. **Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) (Jap)**

CHEMICALLY INDUCED

The toxicity profile of trimethoprim-sulphamethoxazole after four years of widespread use. Salter AJ. **Med J Aust 1:Suppl:70-6, 30 Jun 73**
[Mechanism of the apperance of thyroid neoplasms in rats] Stoll R, et al. **C R Soc Biol (Paris) 166:1654-6, 1972 (Fre)**

CLASSIFICATION

Histologic classification as a problem in the epidemiology of thyroid cancer. Franssila K, et al. **Recent Results Cancer Res 39:47-55, 1972**

COMPLICATIONS

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology 27:394-405, 1973**
Medullary carcinoma of the thyroid with Marfan-like body habitus. Forsman PJ, et al. **Pediatrics 52:188-91, Aug 73**
Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Levin DL, et al. **Pediatrics 52:192-6, Aug 73**
Phenotype of malignancy: the mucosal neuroma syndrome. Schimke RN. **Pediatrics 52:283-4, Aug 73**
Parathyroid adenoma with thyroid carcinoma. Summers GW, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1387-91, Sep-Oct 72**
[Thyroid cancer of the amyloid stroma. 1st observation in French-speaking Africa (Chad)] Sirol J, et al. **Bull Soc Pathol Exot 65:900-5, Nov-Dec 72 (Eng. Abstr.) (Fre)**
[Peracute course of anaplastic cancer of the thyroid gland] Sošovec V. **Vnitr Lek 19:706-8, Jul 73 (Eng. Abstr.) (Slo)**

DIAGNOSIS

Metastatic thyroid carcinoma. Shelley WB, et al. **JAMA 226:173-4, 8 Oct 73**

Medullary carcinoma of the thyroid with Marfan-like body habitus. Forsman PJ, et al.
Pediatrics 52:188-91, Aug 73
Phenotype of malignancy: the mucosal neuroma syndrome. Schimke RN. **Pediatrics** 52:283-4, Aug 73
Nonthyroid mass in the thyroid area. Tardy ME Jr, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1373-4, Sep-Oct 72
[Value of the gamma-camera in thyroid gland studies] Galle P, et al.
Ann Endocrinol (Paris) 34:40-7, Jan-Feb 73 (Eng. Abstr.) **(Fre)**
[Thyroid sarcoma in endemic regions] Depisch D, et al.
Bruns Beitr Klin Chir 220:397-404, Jul 73 (Eng. Abstr.) **(Ger)**
[Aspiration cytology of the thyroid gland] Hauptmann E, et al. **Verh Dtsch Ges Inn Med** 78:249-53, 1972 **(Ger)**
[Percutaneous fine-needle aspiration biopsy and cytology of palpable tumors] Kirstaedter HJ, et al.
Verh Dtsch Ges Inn Med 78:282-5, 1972 **(Ger)**
[Clinical application of thyroid angiography in thyroid diseases] Mihashi S, et al.
J Otolaryngol Jap 76:427-31, Apr 73 **(Jap)**
[Thyroid scintigram. 1] Kinoshita F.
Jap J Clin Radiol 18:375-6, May 73 **(Jap)**
[Thyroid scintigram. 3. Malignant goiter] Kinoshita F.
Jap J Clin Radiol 18:523-4, Jul 73 **(Jap)**

DRUG THERAPY

Combined chemotherapy and radiation therapy in spindle and giant cell carcinoma of the thyroid gland. Report of a case. Wallgren A, et al.
Acta Radiol [Ther] (Stockh) 12:17-20, Feb 73

ENZYMOLOGY

Response of plasma histaminase activity to small doses of heparin in normal subjects and patients with hyperlipoproteinemia. Baylin SB, et al.
J Clin Invest 52:1985-93, Aug 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73

ETIOLOGY

Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73
Radiation carcinogenesis. Ilbery PL, et al.
Australas Radiol 17:66-77, Mar 73 (96 ref.)
Iodine-131 and carcinogenesis.
Med J Aust 1:1171-2, 16 Jun 73
Occurrence and pathogenesis of childhood thyroid cancer. Silink K, et al. **Neoplasma** 20:465-9, 1973
[Late side effects of radioactive iodine therapy in hyperthyroidism] Hara M, et al.
Jap J Clin Radiol 48:527-41, Aug 73 (122 ref.) **(Jap)**

FAMILIAL & GENETIC

The nature of the mutation in familial multiple polyposis: papillary carcinoma of the thyroid, brain tumors, and familial multiple polyposis. Smith WG, et al. **Dis Colon Rectum** 16:264-71, Jul-Aug 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73
Occurrence and pathogenesis of childhood thyroid cancer. Silink K, et al. **Neoplasma** 20:465-9, 1973
Medullary carcinoma of the thyroid with Marfan-like body habitus. Forsman PJ, et al.
Pediatrics 52:188-91, Aug 73
Phenotype of malignancy: the mucosal neuroma syndrome. Schimke RN. **Pediatrics** 52:283-4, Aug 73

IMMUNOLOGY

[Age difference in perifocal infiltration of the small round lymphoid cells in papillary adenocarcinoma] Sekigawa H, et al.
Yonago Acta Med 16:167-71, Feb 73 (Eng. Abstr.) **(Ger)**

METABOLISM

Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al.
J Clin Invest 52:2404-10, Oct 73

MORTALITY

Histologic classification as a problem in the epidemiology of thyroid cancer. Franssila K, et al
Recent Results Cancer Res 39:47-55, 1972

OCCURRENCE

Histologic classification as a problem in the epidemiology of thyroid cancer. Franssila K, et al
Recent Results Cancer Res 39:47-55, 1972
Incidence of carcinoma in cold nodules of the thyroi gland. Messaris G, et al. **Surgery** 74:447-8, Sep 7
[Thyroid cancer of the amyloid stroma. 1st observatio in French-speaking Africa (Chad)] Sirol J, et a
Bull Soc Pathol Exot 65:900-5, Nov-Dec 72 (Eng Abstr.) **(Fre**

PATHOLOGY

Histochemical characteristics of parafollicular cel and medullary thyroid carcinoma. DeLellis RA, et a
Am J Pathol 72:119-28, Jul 73
Radiological signs of bone loss in hyperthyroidis Koutras DA, et al. **Br J Radiol** 46:695-8, Sep
The nature of the mutation in familial multip polyposis: papillary carcinoma of the thyroid, bra tumors, and familial multiple polyposis. Smith WG, al. **Dis Colon Rectum** 16:264-71, Jul-Aug 73
Concentrations of calcitonin and catecholamines pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et
J Clin Endocrinol Metab 37:297-307, Aug 73
Histochemical studies on thyroid adenoma built of cells. Beskid M, et al. **Mater Med Pol** 4:53-9, Apr-Jun
Histologic classification as a problem in the epidemiology of thyroid cancer. Franssila K, et
Recent Results Cancer Res 39:47-55, 1972
Parathyroid adenoma with thyroid carcinoma. Summers GW, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1387- Sep-Oct 72
Nonthyroid mass in the thyroid area. Tardy ME Jr, et
Trans Am Acad Ophthalmol Otolaryngol 76:137 Sep-Oct 72
[Thyroid cancer of the amyloid stroma. 1st observat in French-speaking Africa (Chad)] Sirol J, et
Bull Soc Pathol Exot 65:900-5, Nov-Dec 72 (E Abstr.) (F
[Aging and calcification in thyroidal tumors] Ozak
Yonago Acta Med 16:233-8, Feb 73 (Eng. Abstr.) (G
[Age difference in perifocal infiltration of the sm round lymphoid cells in papillary adenocarcino Sekigawa H, et al.
Yonago Acta Med 16:167-71, Feb 73 (Eng. Abs (G
[Metastasis of a testicular tumor to a fetal adenom the thyroid] Manelis G, et al.
Harefuah 84:597-600, 1 Jun 73 (Eng. Abstr.) (H
[Spindle cell and giant cell anaplastic carcinoma of thyroid. Study of 62 cases] Albores Saavedra J, e
Prensa Med Mex 37:421-9, Nov-Dec 72 (S
[Peracute course of anaplastic cancer of the thy gland] Sošovec V.
Vnitr Lek 19:706-8, Jul 73 (Eng. Abstr.) (

PHYSIOPATHOLOGY

Systemic disease associated with tear deficien
Baum JL. Int Ophthalmol Clin 13:157-84, Sprin
[Some aspects of tumor progression in the ligh histochemical and electron microscopic stud Raikhlin NT. **Vopr Onkol** 19:95, 1973 (

PREVENTION & CONTROL

[Thyroid sarcoma in endemic regions] Depisch D,
Bruns Beitr Klin Chir 220:397-404, Jul 73 (Eng. Ab (

RADIOGRAPHY

Quantitative uptake measurements with a sh shield whole-body counter. Blake KC, et
S Afr Med J 47:1066-8, 23 Jun 73
[Radiological images of bone metastases] Belli I,
Minerva Med 64:2828-40, 1973

LIBRARY U. OF L. URBANA-CHAMPAIGN

RADIOTHERAPY

bined chemotherapy and radiation therapy in idle and giant cell carcinoma of the thyroid gland. ort of a case. Wallgren A, et al.
a Radiol [Ther] (Stockh) 12:17-20, Feb 73
active iodine therapy of thyroid carcinoma. Tenn Med Assoc 66:767-9, Aug 73
s of radiotherapy in the treatment of malignant roid tumors] Arndt J, et al.
ch Gesundheitsw 28:77-80, 2 Jan 73 (Eng. Abstr.) (Ger)
nograms used in the dosimetric study of onomous thyroid adenomas treated with iodine] Miculiţia M, et al.
d Cercet Endocrinol 24:309-15, 1973 (Rum)
e of the cervical region of the spine following otherapy for thyroid cancer] Rokhlin DG, et al.
in Rentgenol Radiol 48:47-51, May-Jun 73 (Eng. tr.) (Rus)

SURGERY

bined chemotherapy and radiation therapy in idle and giant cell carcinoma of the thyroid gland. ort of a case. Wallgren A, et al.
a Radiol [Ther] (Stockh) 12:17-20, Feb 73
nical factors influencing morbidity in thyroid rations. Haff RC. Am J Surg 126:383-6, Sep 73
otype of malignancy: the mucosal neuroma drome. Schimke RN. Pediatrics 52:283-4, Aug 73
logic classification as a problem in the demiology of thyroid cancer. Franssila K, et al.
ent Results Cancer Res 39:47-55, 1972
ence of carcinoma in cold nodules of the thyroid d. Messaris G, et al. Surgery 74:447-8, Sep 73
thyroid adenoma with thyroid carcinoma. mmers GW, et al.
ns Am Acad Ophthalmol Otolaryngol 76:1387-91, -Oct 72
hyroid mass in the thyroid area. Tardy ME Jr, et al.
ns Am Acad Ophthalmol Otolaryngol 76:1373-4, -Oct 72
surgical management of thyroid disorders. Wade Trans Med Soc Lond 88:40-52, 1972
ances in tumor surgery. II] Linder F.
h Dtsch Ges Inn Med 78:72-82, 1972 (Ger)
idle cell and giant cell anaplastic carcinoma of the roid. Study of 62 cases] Albores Saavedra J, et al.
nsa Med Mex 37:421-9, Nov-Dec 72 (Spa)

THERAPY

m TSH levels in thyroidectomized patients after ndrawal of thyroid hormone therapy or oral inistration of TRH. Wenzel KW, et al.
a Endocrinol [Suppl] (Kbh) 173:15, 1973
bined chemotherapy and radiation therapy in idle and giant cell carcinoma of the thyroid gland. ort of a case. Wallgren A, et al.
a Radiol [Ther] (Stockh) 12:17-20, Feb 73
s of radiotherapy in the treatment of malignant roid tumors] Arndt J, et al.
ch Gesundheitsw 28:77-80, 2 Jan 73 (Eng. Abstr.) (Ger)

VETERINARY

"metastasising thyroid adenoma" (Wegelin) in idae] Grünberg W, et al.
traibl Veterinaermed [A] 20:244-55, Apr 73 (Eng. tr.) (Ger)

YROIDITIS

oiditis. Shapiro SL.
Ear Nose Throat Mon 52:261-4, Jul 73
e suppurative thyroiditis. Pérez Comas A, et al.
iatrics 52:308, Aug 73
Quervain's thyroiditis] Marañón Cabello A.
Clin Esp 129:323-8, 31 May 73 (Spa)

BLOOD

yceride metabolism in thyroid disease. Tulloch et al. Clin Sci 44:6P passim, Feb 73
nan thyroid stimulating hormone level in various roid disorders] Ito J, et al.
ia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. str.) (Jap)

CHEMICALLY INDUCED

Chronic thyroiditis in buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide. Reuber MD, et al. Pathol Microbiol (Basel) 39:383-8, 1973

CLASSIFICATION

Chronic thyroiditis in buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide. Reuber MD, et al. Pathol Microbiol (Basel) 39:383-8, 1973

COMPLICATIONS

Thyroid disease and some complications. Wilson WW. Ann R Coll Surg Engl 53:27-39, Jul 73
[Myxedematous pericardial effusion following immune thyroiditis] Hallauer W, et al. Med Klin 68:1151-5, 7 Sep 73 (Eng. Abstr.) (Ger)
[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al. Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) (Ita)

DIAGNOSIS

The surgical management of thyroid disorders. Wade H. Trans Med Soc Lond 88:40-52, 1972
[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al. Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) (Ita)

EMBRYOLOGY

Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis. Sundick RS, et al. Clin Exp Immunol 14:437-42, Jul 73

ETIOLOGY

Attempt at thyroid ablation with radioactive iodine for the treatment of ophthalmopathy in Graves' disease. Fawell WN, et al. Am J Med Sci 265:467-72, Jun 73
Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis. Sundick RS, et al. Clin Exp Immunol 14:437-42, Jul 73

FAMILIAL & GENETIC

Genetic aspects of autoimmune thyroiditis. Rose NR, et al. Int Arch Allergy Appl Immunol 45:138-49, 1973

IMMUNOLOGY

Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis. Sundick RS, et al. Clin Exp Immunol 14:437-42, Jul 73
[Auto-immune cells in experimental thyroiditis. I. A study of plaque forming cells] Katsura Y, et al. Bull Chest Dis Res Inst Kyoto Univ 6:145-9, Mar 73 (Eng. Abstr.) (Jap)

METABOLISM

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Clin Sci 44:6P passim, Feb 73

OCCURRENCE

Chronic thyroiditis in buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide. Reuber MD, et al. Pathol Microbiol (Basel) 39:383-8, 1973
Acute suppurative thyroiditis. Pérez Comas A, et al. Pediatrics 52:308, Aug 73

PATHOLOGY

Chronic thyroiditis in buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide. Reuber MD, et al. Pathol Microbiol (Basel) 39:383-8, 1973
Weight loss, impaired mentation, and anemia. Postgrad Med 54:209-12, Sep 73

THYROIDITIS

[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al.
Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) **(Ita)**

SURGERY

Technical factors influencing morbidity in thyroid operations. Haff RC. **Am J Surg** 126:383-6, Sep 73

THERAPY

[Human thyroid stimulating hormone level in various thyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) **(Jap)**

THYROIDITIS, LYMPHOMATOUS

COMPLICATIONS

Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73

DIAGNOSIS

Differentiation of chronic lymphocytic thyroiditis and simple goiter in pediatrics. Monteleone JA, et al.
J Pediatr 83:381-5, Sep 73

ETIOLOGY

Clinical syndromes associated with thymic disorders. Barnes EW, et al.
Proc R Soc Med 66:151-4, Feb 73 (40 ref.)

FAMILIAL & GENETIC

Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73

IMMUNOLOGY

Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73

T lymphocytes in Hashimoto's thyroiditis. Urbaniak et al. **Lancet** 2:452-3, 25 Aug 73

[Autoantibodies and autoimmune syndromes] Dimitrov DI.
Vutr Boles 12:1-7, 1973 (46 ref.) (Eng. Abstr.) (B

[Hashimoto's thyroiditis: ultrastructural study] Lambertenghi-Deliliers G, et al.
Folia Endocrinol (Roma) 26:229-40, Jun 73 (E Abstr.) (I

PATHOLOGY

Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73

Differentiation of chronic lymphocytic thyroiditis simple goiter in pediatrics. Monteleone JA, et
J Pediatr 83:381-5, Sep 73

[Hashimoto's thyroiditis: ultrastructural study Lambertenghi-Deliliers G, et al.
Folia Endocrinol (Roma) 26:229-40, Jun 73 (Abstr.)

LIBRARY U. OF L. URBANA-CHAMPAIGN

II. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

IODOTYROSINE

munoassay of thyroxine in unextracted human erum. Larsen PR, et al.
Clin Endocrinol Metab 37:177-82, Aug 73

BIOSYNTHESIS

goitrous subject with defective synthesis of iodotyrosine due to thyroglobulin abnormalities. usakabe T. **J Clin Endocrinol Metab** 37:317-25, Aug 73

BLOOD

pid determination of iodoamino acid iodine in blood erum] Knapp G.
n Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

METABOLISM

monstration of iodide transport defect but normal dide organification in nonfunctioning nodules of man thyroid glands. Field JB, et al.
Clin Invest 52:2404-10, Oct 73
etabolism of 131I labelled thyroxine in patients with iodotyrosine deiodination disorders] Niimi H, et al.
in Endocrinol (Tokyo) 21:623-5, Jun 73 **(Jap)**

PHARMACODYNAMICS

dence for stimulation of thyroidal secretion by loaminoacids or iodide. Yoshimura S, et al.
ndocrinol Jap 20:217-9, Apr 73

DOTYROSINE

goitrous subject with defective synthesis of odotyrosine due to thyroglobulin abnormalities. sakabe T. **J Clin Endocrinol Metab** 37:317-25, Aug 73
munoassay of thyroxine in unextracted human rum. Larsen PR, et al.
Clin Endocrinol Metab 37:177-82, Aug 73
rmonal and metabolic studies in a case of athyreotic pothyroidism with secondary hypoactivity of iodinase] Kuboshima K, et al.
Jap Soc Intern Med 62:280-6, Mar 73 **(Jap)**

BLOOD

roid function tests. Sterling K.
v Intern Med 18:345-62, 1972 (106 ref.)
oid determination of iodoamino acid iodine in blood um] Knapp G.
n Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

METABOLISM

ction of peroxidase and NADPH cytochrome C uctase during the Wolff-Chaikoff effect.
namoto K, et al. **Endocrinology** 93:822-8, Oct 73
onstration of iodide transport defect but normal ide organification in nonfunctioning nodules of nan thyroid glands. Field JB, et al.
Clin Invest 52:2404-10, Oct 73
gnosis of iodotyrosine-dehalogenase deficiency er 3 normal pregnancies] Elewaut A, et al.
n Endocrinol (Paris) 33:599-605, Nov-Dec 72 (Eng. str.) **(Fre)**
alogenation of various analogs of phenolic iodides normal and thyroidectomized rats] Dumas P.
chem Pharmacol 22:1599-605, 1 Jul 73 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

ence for stimulation of thyroidal secretion by aminoacids or iodide. Yoshimura S, et al.
ocrinol Jap 20:217-9, Apr 73

THYROGLOBULIN

On the mechanism of the ring zone effect obtained with the mixed haemadsorption technique. Studies with defined model systems. Jonsson J, et al.
Acta Pathol Microbiol Scand [B] 81:165-75, Feb 73
Microangiopathy and early diabetic-like sugar tolerances in animals with induced thyroid immunity. Premachandra BN, et al.
Adv Metab Disord 2:Suppl 2:235-43, 1973
Human smooth muscle autoantibody. Its identification as antiactin antibody and a study of its binding to "nonmuscular" cells. Gabbiani G, et al.
Am J Pathol 72:473-88, Sep 73
Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis. Sundick RS, et al. **Clin Exp Immunol** 14:437-42, Jul 73
Genetic aspects of autoimmune thyroiditis. Rose NR, et al. **Int Arch Allergy Appl Immunol** 45:138-49, 1973
Supervoltage orbital radiotherapy for Graves' ophthalmopathy. Donaldson SS, et al.
J Clin Endocrinol Metab 37:276-85, Aug 73
A goitrous subject with defective synthesis of diiodotyrosine due to thyroglobulin abnormalities. Kusakabe T. **J Clin Endocrinol Metab** 37:317-25, Aug 73
Immunoassay of thyroxine in unextracted human serum. Larsen PR, et al.
J Clin Endocrinol Metab 37:177-82, Aug 73
Detection of antibodies and soluble antigen-antibody complexes by precipitation with polyethylene glycol. Creighton WD, et al. **J Immunol** 111:1219-27, Oct 73
Lymphocyte phytohemagglutinin responsiveness, immunoglobulins and autoantibodies in aging humans. Hallgren HM, et al. **J Immunol** 111:1101-7, Oct 73
Insolubilized anithyroglobulin antibodies: properties and interest in the study of thyroglobulin. Torresani J.
J Immunol Methods 3:35-52, Aug 73
A specific radioimmunossay for testosterone in peripheral plasma. Kinouchi T, et al.
J Lab Clin Med 82:309-16, Aug 73
Differentiation of chronic lymphocytic thyroiditis and simple goiter in pediatrics. Monteleone JA, et al.
J Pediatr 83:381-5, Sep 73
[Autoimmune disorders in 70 cases of idiopathic myxedema] Berthaux R, et al.
Ann Med Interne (Paris) 123:1063-8, Dec 72 **(Fre)**

ANALYSIS

Insolubilized anithyroglobulin antibodies: properties and interest in the study of thyroglobulin. Torresani J.
J Immunol Methods 3:35-52, Aug 73

BIOSYNTHESIS

The significance of iodine in the aggregation of subunits into thyroglobulin and in the formation of 27S iodoprotein. Sinadinović J, et al.
Acta Endocrinol (Kbh) 73:43-58, May 73
[Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid] Sato S, et al.
Clin Endocrinol (Tokyo) 21:489-94, May 73 **(Jap)**

BLOOD

Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al.
Acta Endocrinol (Kbh) 73:483-8, Jul 73
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)

METABOLISM

Studies on thyroidal colloid pinocytosis: role of different thyroglobulin pools. Balatti JJ, et al.
Acta Endocrinol (Kbh) 73:475-82, Jul 73
Resistance of rat thyroid iodoprotein to proteolysis

following large doses of radioiodine. Kobayashi I, et al. **Endocrinology** 93:593-601, Sep 73

PHARMACODYNAMICS

Some characteristics of metabolism of organochlorine compounds in the bovine. Stull JW, et al. **Fed Proc** 32:1995-2002, Sep 73

THERAPEUTIC USE

Hypothyroidism and precocious sexual development: another case. Comas AP. **Pediatrics** 52:149-50, Jul 73

THYROID HORMONES

Isolation and immunological examination of the so-called thyralbumin(TA). Cernelč M, et al. **Allerg Immunol (Leipz)** 18:177-82, 1972

The influence of pre-operative drug therapy on lymphoid tissue in patients with primary thyrotoxicosis. Simpson JG, et al. **J Pathol** 109:p8, Jan 73

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

[Erythropoiesis and myelopoiesis in congenital athyroidism] Gabutti V, et al. **Haematologica (Pavia)** 58:320-7, 1973 **(Ita)**

[Auto-immune cells in experimental thyroiditis. I. A study of plaque forming cells] Katsura Y, et al. **Bull Chest Dis Res Inst Kyoto Univ** 6:145-9, Mar 73 (Eng. Abstr.) **(Jap)**

[The effect of thyroid hormones and thyrostatics on the level of sialic acids in the serum of rats] Kuz'mak NI. **Fiziol Zh SSSR** 59:1114-21, Jul 73 **(Rus)**

ADMINISTRATION & DOSAGE

Serum TSH levels in thyroidectomized patients after withdrawal of thyroid hormone therapy or oral administration of TRH. Wenzel KW, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:15, 1973

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

Adult myxedema--a hypocatabolic syndrome. Crispell KR. **Trans Am Clin Climatol Assoc** 84:229-36, 1973

ANALYSIS

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

BIOSYNTHESIS

Congenital goiter in four euthyroid siblings with glandular and circulating iodoproteins and defective iodothyronine synthesis. Gattereau A, et al. **J Clin Endocrinol Metab** 37:118-28, Jul 73

BLOOD

An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oashi T, et al. **Endocrinology** 93:880-6, Oct 73

Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al. **J Clin Invest** 52:2305-12, Sep 73

[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al. **Ann Endocrinol (Paris)** 33:599-605, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Rapid determination of iodoamino acid iodine in blood serum] Knapp G. **Clin Chim Acta** 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Rapid determination of iodoamino acid iodine in blood serum] Knapp G. **Clin Chim Acta** 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

METABOLISM

[Relationships between growth hormone and thyroid hormones in man] Felt V. **Cas Lek Cesk** 112:1045-9, 24 Aug 73 (Eng. Abstr.) **(Cze)**

[Hormonal and metabolic studies in a case of athyreotic hypothyroidism with secondary hypoactivity of deiodinase] Kuboshima K, et al. **J Jap Soc Intern Med** 62:280-6, Mar 73 **(Jap**

PHARMACODYNAMICS

Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rat Hehrmann R, et al. **Acta Endocrinol (Kbh)** 73:489-98, Jul 73

The role of thyroid hormones in the mechanism o intestinal calcium absorption. Jentsch E, et a **Acta Endocrinol [Suppl] (Kbh)** 173:145, 1973

Inhibition of p-chlorophenoxyisobutyrate by 1-methyl-2-mercaptoimidazole and related compounds. Ryan NT, et al. **Biochem Pharmacol** 22:1397-404, 15 Jun 73

Evidence for stimulation of thyroidal secretion b iodoaminoacids or iodide. Yoshimura S, et al **Endocrinol Jap** 20:217-9, Apr 73

Effects of cold exposure, thyroid extract, methylthiouracil and dehydroepiandrosterone o glucose 6-phosphate and 6-phosphogluconate dehydrogenases in rat liver and erythrocytes. Hilgertová J, et al. **Horm Metab Res** 5:286-9, Jul

The influence of feeding packing plant byproduc containing thyroids and parathyroids on the reproduction of rats and mink. Kangas J, et **Nord Vet Med** 24:162-70, Mar 72

[Influence of thyroid hormones on weight reducti and lipid metabolism in obese patients during ze diet] Hofmann GG, et al. **Verh Dtsch Ges Inn Med** 78:1294-7, 1972 (Ge

[Pathogenic factors of thyrotoxic heart] Prudniko RV. **Vrach Delo** 1:37-41, Jan 73 (Eng. Abstr.) (Ru

PHYSIOLOGY

Neuroendocrine aspects of thermoregulation. Gale C **Annu Rev Physiol** 35:391-430, 1973 (120 ref.)

Thyroid hormone inhibition of the prolactin respo to thyrotropin-releasing hormone. Snyder PJ, et **J Clin Invest** 52:2324-9, Sep 73

Electrocardiographic changes in hyperthyroidism af adrenergic blockade with reserpine and proprano Teoh PC, et al. **Med J Aust** 2:116-8, 21 Jul

Copper homeostasis in the mammalian system. Ev GW. **Physiol Rev** 53:535-70, Jul 73 (259 ref.

[Relationship between metamorphosis and thickn of the enamel layer on teeth in urodele amphibia Roux JP, et al. **C R Acad Sci [D] (Paris)** 276:1613-5, 5 Mar 73 (F

SECRETION

Effect of repeated administration of excess iodide thyroid hormone secretion in rats, with spe reference to the escape from the iodide effect. Ot M, et al. **Endocrinology** 93:343-7, Aug 73

STANDARDS

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

THERAPEUTIC USE

Recurrence of thyrotoxicosis with regard to thy suppressibility after treatment with antithyr drugs. Hackenberg K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:20, 1973

Treatment of progressive malignant exophthalmo total thyroidectomy. Kirmse L, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:24, 1973

Serum TSH levels in thyroidectomized patients a withdrawal of thyroid hormone therapy or administration of TRH. Wenzel KW, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:15, 1973

Lingual thyroid. Clinical characteristics of 15 c Neinas FW, et al. **Ann Intern Med** 79:205-10, Au

On the genesis of atherosclerosis. Barnes B **J Am Geriatr Soc** 21:350-4, Aug 73

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

Adult myxedema--a hypocatabolic syndrome. Cri KR. **Trans Am Clin Climatol Assoc** 84:229-36,

[Myxedema coma. Study of 3 cases] Cornu P, **Sem Hop Paris** 49:1449-58, 26 Apr 73 (Eng. Ab

[Therapy of hyperlipoproteinemias type II a and

LIBRARY U. OF L. URBANA-CHAMPAIGN

ng dextro-thyroxine or
alpha-methyl-thyroxine-ethylester]
wartzkopff W.
h Dtsch Ges Inn Med 78:1621-3, 1972 (Ger)
H and HTSH secretion in hypothyroidism] Oyama
et al.
a Endocrinol Jap 49:775-80, 20 May 73 (Eng.
tr.) (Jap)

YRONINE

ADMINISTRATION & DOSAGE

e of protein metabolism in hypothyrosis during
process of lyothyronine-2-hydrochloride] Anikin

bl Endokrinol (Mosk) 19:18-22, May-Jun 73 (Eng.
tr.) (Rus)

BLOOD

nproved method for the mechanised estimation of
ronine-iodine by the bromine-displacement
nique. Gyde OH, et al.
Chim Acta 45:443-7, 30 May 73

CHEMICAL SYNTHESIS

omimetric activity of 3,5,3'-trimethyl-L-thyronine.
ensen EC, et al. J Med Chem 16:306-7, Mar 73

METABOLISM

iochromatography in the diagnosis of
othyroidism due to enzymatic defect] Itelson I, et
Harefuah 84:648-50, 15 Jun 73 (Eng. Abstr.) (Heb)

SECRETION

nce for stimulation of thyroidal secretion by
aminoacids or iodide. Yoshimura S, et al.
ocrinol Jap 20:217-9, Apr 73

THERAPEUTIC USE

omimetric activity of 3,5,3'-trimethyl-L-thyronine.
ensen EC, et al. J Med Chem 16:306-7, Mar 73
e of protein metabolism in hypothyrosis during
process of lyothyronine-2-hydrochloride] Anikin

bl Endokrinol (Mosk) 19:18-22, May-Jun 73 (Eng.
tr.) (Rus)

ROXINE

ne hydroxylase in injury-induced arteriosclerosis.
er GC, et al.
Metab Disord 2:Suppl 2:111-6, 1973
xine elimination by peritoneal dialysis in
erimental thyrotoxicosis. Herrmann J, et al.
m Metab Res 5:180-3, May 73
dothyronine and thyroxine in the serum and
oid glands of iodine-deficient rats. Abrams GM, et
J Clin Invest 52:2522-31, Oct 73
nine receptor site sensitivity in hyperthyroid
ea pigs: a possible model of hyperthyroid chorea.
vans HL Jr, et al. J Neural Transm 34:187-93, 1973
rophotometric determination of thyroxine iodine
hyroid preparations. Sondack DL.
harm Sci 62:1342-4, Aug 73
erimental induction of atherosclerosis in rabbits
a combined method] Parwaresch MR, et al.
Exp Med (Berl) 160:269-91, 19 Jun 73 (Eng. Abstr.)
(Ger)
othyroidism in an infant] Wilk F.
n Med Wochenschr 123:418-20, 30 Jun 73 (Ger)
effect of thyroid hormones and thyrostatics on
level of sialic acids in the serum of rats] Kuz'mak
Fiziol Zh SSSR 59:1114-21, Jul 73 (Rus)

ADMINISTRATION & DOSAGE

L-thyroxine as single dose for testing thyroidal
pressibility. Mahlstedt J, et al.
Endocrinol [Suppl] (Kbh) 173:19, 1973
rimental thyrotoxicosis: effects of graded doses
T4 plus T3. Nolte J, et al.
Endocrinol [Suppl] (Kbh) 173:147, 1973
ohypophysial growth and thyroxine binding:
effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972
Treatment of hypothyroidism. Fowler PB.
Br Med J 3:352-3, 11 Aug 73
Serum thyroxine levels in patients receiving
L-thyroxine suppression or replacement therapy.
Kahn A. Can Med Assoc J 109:279-81, 18 Aug 73
Thyroxine-mediated control of ribonucleic acid
polymerase activity in liver of Rana catesbeiana.
Griswold MD, et al. J Biol Chem 248:5854-60, 25 Aug 73
Thyroid hormone inhibition of the prolactin response
to thyrotropin-releasing hormone. Snyder PJ, et al.
J Clin Invest 52:2324-9, Sep 73
Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72
The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972
[Preliminary results of hyperlipemia therapy using a
new D-thyroxine preparation] Bommer J, et al.
Verh Dtsch Ges Inn Med 78:1619-20, 1972 (Ger)
[Effect of prolonged administration of thyroxine on the
lipid metabolism of the liver in experimental
thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Effect of prolonged administration of thyroxine on the
lipid metabolism of the liver in experimental
thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) (Rus)

ANALYSIS

Triiodothyronine and thyroxine in the serum and
thyroid glands of iodine-deficient rats. Abrams GM, et
al. J Clin Invest 52:2522-31, Oct 73
Spectrophotometric determination of thyroxine iodine
in thyroid preparations. Sondack DL.
J Pharm Sci 62:1342-4, Aug 73
[Side-effects and effects of lithium therapy on the
endocrinium in man] Gerdes H.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) (Ger)

BLOOD

Hyperthyroidism due to struma ovarii: demonstration
by radioiodine scan. Brown WW, et al.
Acta Endocrinol (Kbh) 73:266-72, Jun 73
Effect of synthetic thyrotrophin-releasing factor on
pituitary TSH secretion in normal subjects and
patients with hypothalamic-pituitary disorders.
Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
A comparison between the "Oxford T4 by column"
method and the Murphy-Pattee method for serum
thyroxine. Dürr HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:18, 1973
Plasmapheresis in the treatment of thyrotoxic crisis
(measurement of half-concentration times for free
and total T3 and T4). Herrmann J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:22, 1973
The role of thyroid hormones in the mechanism of
intestinal calcium absorption. Jentsch E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:145, 1973
Experimental thyrotoxicosis: effects of graded doses
of T4 plus T3. Nolte J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:147, 1973
The influence of total starvation on the
pituitary-thyroid-axis in obese individuals.
Rothenbuchner G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:144, 1973
Thyroid function and morphology in rabbits following
active immunization with thyroxine or
triidothyronine. Usadel KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:12, 1973
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
Turner syndrome with partial deletion of the X
chromosome long arm. Lippe BM, et al.
Am J Dis Child 126:222-4, Aug 73
Clinical and metabolic features of anorexia nervosa.
Warren MP, et al.
Am J Obstet Gynecol 117:435-49, 1 Oct 73
Evaluation of a free thyroxine index. Elewaut A, et al.
Ann Endocrinol (Paris) 34:84-90, Jan-Feb 73
Discriminant value of thyroid function tests. Jorgensen
JV. Br Med J 3:170, 21 Jul 73
The measurement of serum thyroxine by competitive

protein binding analysis. Barbadoro S.
Can J Med Technol 35:5-7 passim, Aug 73
Glucagon-initiated human growth hormone release: a comparative study. Cain JP, et al.
Can Med Assoc J 107:617-22, 7 Oct 72
Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement therapy. Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug 73
Effects of chronic hemodialysis on thyroid function in chronic renal failure. Silverberg DS, et al.
Can Med Assoc J 109:282-6, 18 Aug 73
Modification of column chromatography in T4 analysis. Nino PE, et al. **Clin Biochem** 6:106-16, Jun 73
Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73
Preparation and use of serum standards for thyroxine determination. Crombag FJ, et al.
Clin Chim Acta 46:345-9, 14 Jul 73
Urinary triiodothyronine and thyroxine, and their relationship to the serum free levels. Burke CW, et al.
Clin Sci 44:5P-6P passim, Feb 73
Dextran-coated charcoal technique to make the hormone-free serum as a diluent for standard curve of radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73
A renewal attempt to compare the affinity of thyroxine-binding-globulin to thyroxine in normal and hyperthyroid sera. Shimizu T, et al.
Endocrinol Jap 20:85-7, Feb 73
The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73
Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al.
Endocrinology 93:532-9, Sep 73
An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oashi T, et al. **Endocrinology** 93:880-6, Oct 73
Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:613-5, 15 May 73
Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Wurtman RJ. **Fed Proc** 32:1769-71, Jul 73
Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al.
Horm Metab Res 5:289-92, Jul 73
Thyroxine elimination by peritoneal dialysis in experimental thyrotoxicosis. Herrmann J, et al.
Horm Metab Res 5:180-3, May 73
Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al.
Horm Metab Res 5:271-4, Jul 73
Thyroid function tests in the first year of life. Landau H, et al. **Isr J Med Sci** 9:929-31, Jul 73
Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlieri RR, et al. **J Clin Endocrinol Metab** 37:308-16, Aug 73
Congenital goiter in four euthyroid siblings with glandular and circulating iodoproteins and defective iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73
Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. Goldsmith RE, et al.
J Clin Endocrinol Metab 37:265-75, Aug 73
Immunoassay of thyroxine in unextracted human serum. Larsen PR, et al.
J Clin Endocrinol Metab 37:177-82, Aug 73
Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest** 52:2522-31, Oct 73
Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al.
J Clin Invest 52:2324-9, Sep 73
Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al.
J Clin Invest 52:2305-12, Sep 73
The production of antisera for the radioimmunoassay of thyroxine. Corcoran JM, et al.
J Endocrinol 58:xxii, Jul 73
Non-Gaussian distribution of serum thyroxine lev for euthyroid population. Brookeman VA.
J Nucl Med 14:660-8, Sep 73
Cost-benefit analysis of in vitro screening tests thyroid function. Brookeman VA, et al.
J Nucl Med 14:721-2, Sep 73
Serum thyroxine levels in the perinatal guinea p (Cavia porcellus). Pais AJ, et al.
Lab Anim Sci 23:511-4, Aug 73
Total and free triiodothyronine and thyroxine levels thyroid storm and recurrent hyperthydroidis Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73
Diagnostic thyroxine ratio--a screening test. Malinek et al. **Med J Aust** 2:1035, 28 Oct 72
Incidence of signs and symptoms in thyroid disea Oddie TH, et al. **Med J Aust** 2:981-6, 28 Oct
Radioassay and the thyroid gland. Robbins J. **Metabolism** 22:1021-6, Aug 73 (42 ref.)
Transport capacity of median eminence. IV. In vi thyroxine transport. Silverman AJ, et al.
Neuroendocrinology 12:212-23, 1973
In vitro thyroid function tests: a comparison of so commercially available kits. Smidt KP, et al
NZ Med J 77:365-8, Jun 73
The effects of Renografin-60 on the fetal thyro Morrison JC, et al. **Obstet Gynecol** 42:99-103, Jul
Serum triiodothyronine, total thyroxine, and thyroxi to triiodothyronine ratios in paired maternal-co sera and at one week and one month of age. Montal JM, et al. **Pediatr Res** 7:706-11, Aug 73
Hypothyroidism in patients treated with lithium: review and two case reports. Crowe MJ, et **Psychol Med** 3:337-42, Aug 73
The management of thyroid diseases. Bayliss **Trans Med Soc Lond** 88:34-9, 1972
Plasma triiodothyronine at the end of pregnancy, in t cord blood and in the first days of the newbo Hüfner M, et al. **Z Kinderheilkd** 114:301-4, 1
[Determination of serum thyroxine using labell thyroxine 131-I] Hníková O, et al.
Sb Lek 75:257-62, Sep 73 (Eng. Abstr.) (C
[Microassay of serum thyroxine with radioimmunological method] Beckers C, et a **Ann Endocrinol (Paris)** 33:645-50, Nov-Dec 72 (E Abstr.) (F
[Rapid determination of iodoamino acid iodine in blo serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) (G
[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeu principle] Gerdes H, et al.
Dtsch Med Wochenschr 98:1551-4, 24 Aug 73 (E Abstr.) (G
[Thyroid gland function tests] Pfannenstiel P **Med Klin** 68:1143-6, 7 Sep 73 (13 ref.) (G
[Possibilities in the use of thyrotropin-releasi hormone (TRH)] Retiene K, et al.
Med Klin 68:1146-50, 7 Sep 73 (G
[Significance of the sympatho-adrenal system circulatory changes in hyperthyroidism] Lohma FW, et al.
Z Kardiol 62:472-80, May 73 (Eng. Abstr.) (G
[Clinical evaluation of a new thyroid function te Res-o-Mat ETR] Kiyono Y, et al.
Clin Endocrinol (Tokyo) 21:419-25, Apr 73 (Ja
[Measurement of blood thyroxine with Thyopa method] Nakamura M, et al.
Clin Endocrinol (Tokyo) 21:443-6, Apr 73 (Ja
[Experimental and clinical evaluation of Thyopac-4 t and usefulness of the free thyroxine index deriv from the test] Senda K, et al.
Clin Endocrinol (Tokyo) 21:323-9, Mar 73 (Ja
[Thyroid test with Res-O-Mat ETR kit] Uchi S, et **Clin Endocrinol (Tokyo)** 21:627-31, Jun 73 (Ja
[Determination of thyroxine in the blood wit Thyopac-4 kit] Yamauchi K, et al.
Clin Endocrinol (Tokyo) 21:657-62, Jun 73 (Ja
[Inorganic iodide therapy for T3-thyrotoxicosis Sakurada T, et al.
Folia Endocrinol Jap 49:876-81, 20 Jun 73 (Eng. Abst (Ja
[Increased TBG-T4-binding capacity in acute hepatit Tabei A, et al.
Folia Endocrinol Jap 49:1025-33, 20 Jul 73 (E Abstr.) (Ja
[Determination of thyroxine--its problems and clini application] Nanbu S.
Jap J Clin Pathol 21:302-6, Apr 73 (Ja

LIBRARY U. OF L. URBANA-CHAMPAIGN

[Determination of serum thyroxine] Kinoshita F, et al. **Jap J Clin Radiol** 18:305-14, May 73 (19 ref.) **(Jap)**
[Thyroid function test by Res-O-Mat ETR test. II. Simultaneous determination of the effective thyroxine ratio and thyroxine concentration in the blood Res-O-Mat ETR test] Inada M, et al. **Jap J Nucl Med** 10:37-43, Feb 73 (Eng. Abstr.) **(Jap)**

DIAGNOSTIC USE

3 MG L-thyroxine as single dose for testing thyroidal suppressibility. Mahlstedt J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:19, 1973
Thyroxine elimination by peritoneal dialysis in experimental thyrotoxicosis. Herrmann J, et al. **Horm Metab Res** 5:180-3, May 73

ISOLATION & PURIFICATION

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al. **Clin Chim Acta** 46:321-32, 14 Jul 73

METABOLISM

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al. **Acta Endocrinol (Kbh)** 73:233-49, Jun 73
Thyroid function and morphology in rabbits following active immunization with thyroxine or triiodothyronine. Usadel KH, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:12, 1973
The effect of simultaneous treatment with thyroxine and ascorbic and precursors on serum cholesterol concentration. Rolek DF, et al. **Atherosclerosis** 15:185-8, Mar-Apr 72
Panel discussion: drugs and fetal metabolism. **Clin Pharmacol Ther** 14:700-4, Jul-Aug 73
Interaction of thyroxine with rat adenohypophysial proteins in vitro. Pfibyl T, et al. **Folia Biol (Praha)** 19:203-9, 1973
Thyroxine elimination by peritoneal dialysis in experimental thyrotoxicosis. Herrmann J, et al. **Horm Metab Res** 5:180-3, May 73
Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlieri RR, et al. **J Clin Endocrinol Metab** 37:308-16, Aug 73
Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest** 52:2522-31, Oct 73
Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al. **J Clin Invest** 52:2404-10, Oct 73
Metabolism of L-thyroxine by phagocytosing human leukocytes. Woeber KA, et al. **J Clin Invest** 52:1798-803, Aug 73
Binding of thyroid hormones to a soluble fraction from porcine anterior pituitary. Sufi SB, et al. **Endocrinol** 58:41-52, Jul 73
Hyperthyroidism and pregnancy. Reinfrank RF. **Reprod Med** 8:56-8, Feb 72
Injection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73
Transport capacity of median eminence. IV. In vivo thyroxine transport. Silverman AJ, et al. **Neuroendocrinology** 12:212-23, 1973
The different uptake of triiodothyronine and thyroxine by adipose tissue as compared with muscle or leucocytes in man. Felt V, et al. **Physiol Bohemoslov** 22:51-3, 1973
Age-related peculiarities and mechanisms of reactions of the organism towards pharmacologic preparations] Volkis WW. **Z Alternsforsch** 27:9-23, 1973 **(Ger)**
Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect] Iteison I, et al. **Harefuah** 84:648-50, 15 Jun 73 (Eng. Abstr.) **(Heb)**
Metabolism of 131I labelled thyroxine in patients with iodotyrosine deiodination disorders] Niimi H, et al. **Jpn Endocrinol (Tokyo)** 21:623-5, Jun 73 **(Jap)**
Elimination of biliary and fecal iodinated compounds by Sephadex G 25 M filtration. Study of entero-hepatic metabolism of I 125-thyroxine] Ikeda E, et al. **Rev Assoc Med Bras** 19:131-6, Apr 73 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al. **Acta Univ Carol [Med Monogr] (Praha)** 51:9-157, 1972
The distinction between gamma-glutamylhydroxamate synthetase and L-glutamine-hydroxylamine glutamyltransferase activities in rat tissues. Herzfeld A, et al. **Biochem J** 133:59-66, May 73
Enzyme synthesis and adaptation of hepatic "malic" enzyme. Murphy G, et al. **Biochem J** 130:76P-77P, Nov 72
Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium. Denis G, et al. **Can J Physiol Pharmacol** 51:539-48, Jul 73
Effects of hormones on development of fetal enzymes. Greengard O. **Clin Pharmacol Ther** 14:721-6, Jul-Aug 73
Protein synthesis in Fundulus heteroclitus muscle. Jackim E, et al. **Comp Biochem Physiol [A]** 44:851-66, 1 Mar 73
Evidence for stimulation of thyroidal secretion by iodoaminoacids or iodide. Yoshimura S, et al. **Endocrinol Jap** 20:217-9, Apr 73
Effects of TSH on the chemical composition of orbital tissue in guinea pigs. Andrews AD, et al. **Endocrinology** 93:527-31, Sep 73
An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oashi T, et al. **Endocrinology** 93:880-6, Oct 73
Effect of steroid and other hormones on lung removal of noradrenaline. Iwasawa Y, et al. **Eur J Pharmacol** 22:367-70, Jun 73
Effects of neonatal thyroxine and hydrocortisone administration on the development of dendritic spines in the visual cortex of rats. Schapiro S, et al. **Exp Neurol** 40:286-96, Aug 73
Effect of growth hormone and thyroxine on the contractile properties of dystrophic muscle. Berk SL, et al. **Experientia** 29:809-10, 1973
Histochemical patterns in the tadpole tail during normal and thyroxine-induced metamorphosis. I. Alkaline phosphatase, acid phosphatase, esterase, and aminopeptidase. Fry AE, et al. **Gen Comp Endocrinol** 21:16-29, Aug 73
Hormonal control of fat metabolism in the frog, Rana temporaria. Harri MN, et al. **Gen Comp Endocrinol** 21:129-37, Aug 73
Effect of thyroxine on nervous system in controlling chicken heart rate. Shimada K, et al. **Gen Comp Endocrinol** 21:196-201, Aug 73
The effects of hypophysectomy on the structure and function of rat liver mitochondria. Matsubara T, et al. **J Biochem (Tokyo)** 72:1379-90, Dec 72
Thyroxine-mediated control of ribonucleic acid polymerase activity in liver of Rana catesbeiana. Griswold MD, et al. **J Biol Chem** 248:5854-60, 25 Aug 73
Premature cessation of macromolecule uptake by the young rat intestine following thyroxine administration. Chan WS, et al. **J Physiol (Lond)** 231:112P-113P, Jun 73
Effectiveness of thyroxine and triiodothyronine in surgical and prophylthiouracil induced hypothyroidism assessed by changes in intestinal electrogenic transfer. Levin RJ, et al. **J Physiol (Lond)** 232:78P-79P, Jul 73
Effects of thyroxine and growth hormone on the lipid composition of the cerebral cortex and the cerebellum of developing rats. Faryna de Raveglia I, et al. **Neurobiology** 3:176-84, 1973
Thyroid hormone action: a cell-culture system responsive to physiological concentrations of thyroid hormones. Samuels HH, et al. **Science** 181:1253-6, 28 Sep 73
Biochemical and morphological alterations induced by long-term administration of epinephrine, metanephrine and thyroxine in rats. Trzeciak HI. **Toxicol Appl Pharmacol** 25:315-22, Jul 73
[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al. **Doc Ophthalmol** 35:297-307, 27 Jul 73 **(Ger)**
[Studies on non-shivering thermogenesis] Kurahashi M. **J Physiol Soc Jap** 35:65-76, Feb 73 (Eng. Abstr.) **(Jap)**
[Effects of 3-methylcholanthrene and thyroxine on in vitro metabolism of aniline and N-methylbenzoylaniline] Oga S, et al.

LIBRARY U. OF I. URBANA-CHAMPAIGN

Rev Bras Pesqui Med Biol 6:125-30, May-Aug 73 (Eng. Abstr.) **(Por)**

[Role of thyroid hormones in altering the state of the cholinergic system in a neurodystrophic process] Azhipa IaI, et al.
Izv Akad Nauk SSSR [Biol] 3:413-20, May-Jun 72 (Eng. Abstr.) **(Rus)**

[Effect of prolonged administration of thyroxine on the lipid metabolism of the liver in experimental thyrotoxicosis] Makar DA, et al.
Vrach Delo 1:99-102, Jan 73 (Eng. Abstr.) **(Rus)**

[Changes of tryptophan pyrrolase activity and in the contents of nucleotides pyridine of the liver in mice produced by L thyroxine and cortisol] Llamas R, et al.
Rev Invest Clin 25:159-67, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The circannual variations of thyroid activity in the woodchuck(Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-800, 1 Mar 73

Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al.
J Clin Invest 52:2324-9, Sep 73

The significance of triiodothyronine.
Med J Aust 1:1214-5, 23 Jun 73

[Role of prealbumin in physiological transport of thyroxine] Van den Schrieck HG, et al.
Ann Endocrinol (Paris) 34:79-83, Jan-Feb 73 **(Fre)**

[Relationship between metamorphosis and thickness of the enamel layer on teeth in urodele amphibians] Roux JP, et al.
C R Acad Sci [D] (Paris) 276:1613-5, 5 Mar 73 **(Fre)**

RADIATION EFFECTS

[Studies on the photodegradation of thyroxine with ultraviolet-light irradiation] Koya S.
J Pharm Soc Jap 93:717-28, Jun 73 (Eng. Abstr.) **(Jap)**

SECRETION

Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73

The circannual variations of thyroid activity in the woodchuck(Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-800, 1 Mar 73

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:613-5, 15 May 73

THERAPEUTIC USE

The effect of simultaneous treatment with thyroxine and ascorbic and precursors on serum cholesterol concentration. Rolek DF, et al.
Atherosclerosis 15:185-8, Mar-Apr 72

Treatment of hypothyroidism: a reappraisal of thyroxine therapy. Evered D, et al.
Br Med J 3:131-4, 21 Jul 73

Treatment of hypothyroidism. Fowler PB.
Br Med J 3:352-3, 11 Aug 73

Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement therapy. Kahn A. **Can Med Assoc J** 109:279-81, 18 Aug 73

Effect of growth hormone and thyroxine on the contractile properties of dystrophic muscle. Berk SL, et al. **Experientia** 29:809-10, 1973

A case of hypopituitarism associated with sickle cell trait. Robertson JC. **Guys Hosp Rep** 121:223-6, 1972

Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al.
Lancet 2:331-2, 11 Aug 73

Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72

Hypothyroidism in patients treated with lithium: a review and two case reports. Crowe MJ, et al.
Psychol Med 3:337-42, Aug 73

The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972

[Drug interactions with vitamin K antagonists] Thebault J, et al.
Pathol Biol (Paris) 21:639-46, Jun 73 (Eng. Abstr.) **(Fre)**

[Myxedema coma. Study of 3 cases] Cornu P, et al.
Sem Hop Paris 49:1449-58, 26 Apr 73 (Eng. Abstr.) **(Fre)**

[Eyelid edemas, cryesthesia and decrease in vitality during long term lithium therapy] Pfannenstiel P
al. **Dtsch Med Wochenschr** 98:1578-80, 24 Aug 73 (G

[Asymptomatic struma. Nuclear-medical diagnosis
therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 (G

[Preliminary results of hyperlipemia therapy usin
new D-thyroxine preparation] Bommer J, et
Verh Dtsch Ges Inn Med 78:1619-20, 1972 (G

[Effect of highly purified D-thyroxine ("Dyno")
hyperlipoproteinemias type II a and II b] Löwis
Menar P von, et al.
Verh Dtsch Ges Inn Med 78:1623-5, 1972 (G

[Therapy of hyperlipoproteinemias type II a and I
using dextro-thyroxine or
D,L-alpha-methyl-thyroxine-ethylester]
Schwartzkopff W.
Verh Dtsch Ges Inn Med 78:1621-3, 1972 (G

[Familial hyperlipoproteinemia and its treatme
Miotowski T, et al.
Pol Tyg Lek 28:857-60, 4 Jun 73 (Eng. Abstr.) (P

TOXICITY

Biochemical and morphological alterations induced
long-term administration of epinephrine,
metanephrine and thyroxine in rats. Trzeciak
Toxicol Appl Pharmacol 25:315-22, Jul 73

URINE

Androsterone-etiocholanolone ratios in male
homosexuals. Margolese MS, et al.
Br Med J 3:207-10, 28 Jul 73

Urinary triiodothyronine and thyroxine, and th
relationship to the serum free levels. Burke CW, et
Clin Sci 44:5P-6P passim, Feb 73

Effects of phenobarbital on thyroxine and
triiodothyronine kinetics in Graves' disease. Cavli
RR, et al. **J Clin Endocrinol Metab** 37:308-16, Aug

The urinary excretion of triiodothyronine (T3)
thyroxine (T4) in man. Burke CW, et al.
J Physiol (Lond) 231:62P, Jun 73

TRIIODOTHYRONINE

Preparation and use of serum standards for thyrox
determination. Crombag FJ, et al.
Clin Chim Acta 46:345-9, 14 Jul 73

Immunoassay of thyroxine in unextracted hun
serum. Larsen PR, et al.
J Clin Endocrinol Metab 37:177-82, Aug 73

Triiodothyronine and thyroxine in the serum
thyroid glands of iodine-deficient rats. Abrams GM
al. **J Clin Invest** 52:2522-31, Oct 73

Distal conformation of the thyroid hormone
3,5,3'-triiodo-L-thyronine. Cody V, et al.
Science 181:757-8, 24 Aug 73

[The effect of thyroid hormones and thyrostatics
the level of sialic acids in the serum of rats] Kuz'n
NI. **Fiziol Zh SSSR** 59:1114-21, Jul 73 (R

ADMINISTRATION & DOSAGE

Experimental thyrotoxicosis: effects of graded do
of T4 plus T3. Nolte J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:147, 1973

Response to triiodothyronine and dextroamphetami
a study of preschool schizophrenic children. Campb
M, et al. **J Autism Child Schizo** 2:343-58, Oct-Dec

Thyroid hormone inhibition of the prolactin respo
to thyrotropin-releasing hormone. Snyder PJ, et
J Clin Invest 52:2324-9, Sep 73

The influence of triiodothyronine and riboflav
deficiency on the rat liver with special reference
mitochondria. A morphologic, morphometric,
cytochemical study by electron microscopy. Reith
Lab Invest 29:216-28, Aug 73

The heart muscle of the rat under influence
triiodothyronine and riboflavin deficiency wi
special reference to mitochondria. A morphologic
morphometric study by electron microscopy. Reith
et al. **Lab Invest** 29:229-35, Aug 73

A quantitative analysis of the effect of thyr
suppression and stimulation on 131 I thyroid trappi
Rosenthall L. **Radiology** 108:353-7, Aug 73

ANALYSIS

Increasing B-F-standard curves and the question
optimal sensitivity and precision in

radioimmunochemical determination methods. Bartels HJ, et al. **Acta Endocrinol [Suppl] (Kbh) 173:59, 1973**

Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest 52:2522-31, Oct 73**

Spectrophotometric determination of thyroxine iodine in thyroid preparations. Sondack DL. **J Pharm Sci 62:1342-4, Aug 73**

BLOOD

Plasmapheresis in the treatment of thyrotoxic crisis (measurement of half-concentration times for free and total T3 and T4). Herrmann J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:22, 1973**

Hypertriiodothyroninemia. Hesch RD, et al. **Acta Endocrinol [Suppl] (Kbh) 173:17, 1973**

Plasma T-3 at the end of pregnancy in cord blood and during the first days of life. Hüfner M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:16, 1973**

Experimental thyrotoxicosis: effects of graded doses of T4 plus T3. Nolte J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:147, 1973**

The influence of total starvation on the pituitary-thyroid-axis in obese individuals. Rothenbuchner G, et al. **Acta Endocrinol [Suppl] (Kbh) 173:144, 1973**

Thyroid function and morphology in rabbits following active immunization with thyroxine or triiodothyronine. Usadel KH, et al. **Acta Endocrinol [Suppl] (Kbh) 173:12, 1973**

Thyroid function tests. Sterling K. **Adv Intern Med 18:345-62, 1972 (106 ref.)**

Treatment of hypothyroidism: a reappraisal of thyroxine therapy. Evered D, et al. **Br Med J 3:131-4, 21 Jul 73**

Effects of chronic hemodialysis on thyroid function in chronic renal failure. Silverberg DS, et al. **Can Med Assoc J 109:282-6, 18 Aug 73**

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al. **Clin Chim Acta 46:321-32, 14 Jul 73**

Binary triiodothyronine and thyroxine, and their relationship to the serum free levels. Burke CW, et al. **Clin Sci 44:5P-6P passim, Feb 73**

A radioimmunoassay of triiodothyronine in unextracted human serum. Evered DC. **Clin Sci 44:6P passim, Feb 73**

Dextran-coated charcoal technique to make the hormone-free serum as a diluent for standard curve of radioimmunoassay. Ochi Y, et al. **Endocrinol Jap 20:1-7, Feb 73**

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al. **Experientia 29:613-5, 15 May 73**

Serum triiodothyronine concentrations in infancy, childhood, adolescence and pediatric thyroid disorders. AvRuskin TW, et al. **J Clin Endocrinol Metab 37:235-7, Aug 73**

Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlieri RR, et al. **J Clin Endocrinol Metab 37:308-16, Aug 73**

Congenital goiter in four euthyroid siblings with nodular and circulating iodoproteins and defective triiodothyronine synthesis. Gattereau A, et al. **J Clin Endocrinol Metab 37:118-28, Jul 73**

Progressive decrease in serum triiodothyronine concentrations with human aging: radioimmunoassay following extraction of serum. Rubenstein HA, et al. **J Clin Endocrinol Metab 37:247-53, Aug 73**

Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest 52:2522-31, Oct 73**

Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al. **J Clin Invest 52:2324-9, Sep 73**

Positive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al. **J Clin Invest 52:2305-12, Sep 73**

Radioimmunoassay of serum tri-iodothyroine in patients with thyroid disease. Eastman CJ, et al. **Endocrinol 58:22-3, Jul 73**

Newer tests for thyroid function. Bell RL. **Can Med Assoc 66:626-7, Jun 73**

Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. **Lancet 1:236-8, 4 Aug 73**

Determination triiodothyronine-the question of formation of esters of iodothyronine. Nauman A, et al. **Mater Med Pol 4:16-8, Jan-Mar 72**

The significance of triiodothyronine. **Med J Aust 1:1214-5, 23 Jun 73**

Radioassay and the thyroid gland. Robbins J. **Metabolism 22:1021-6, Aug 73 (42 ref.)**

The effects of Renografin-60 on the fetal thyroid. Morrison JC, et al. **Obstet Gynecol 42:99-103, Jul 73**

Serum triiodothyronine, total thyroxine, and thyroxine to triiodothyronine ratios in paired maternal-cord sera and at one week and one month of age. Montalvo JM, et al. **Pediatr Res 7:706-11, Aug 73**

Plasma triiodothyronine at the end of pregnancy, in the cord blood and in the first days of the newborn. Hüfner M, et al. **Z Kinderheilkd 114:301-4, 1973**

[Pituitary reactivity to thyrotropin releasing hormone (TRH) in patients with hyperthyroidism considered as clinically cured] Beckers C, et al. **Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) (Fre)**

[Determination of serum triiodothyronine in thyroid hyperfixating autonomous nodules] Nouel JP, et al. **Nouv Presse Med 2:1912, 14 Jul 73 (Fre)**

[Rapid determination of iodoamino acid iodine in blood serum] Knapp G. **Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) (Ger)**

[Thyroid gland function tests] Pfannenstiel P. **Med Klin 68:1143-6, 7 Sep 73 (13 ref.) (Ger)**

[Triiodothyronine] Sakurada T, et al. **Clin Endocrinol (Tokyo) 21:235-43, Mar 73 (Jap)**

[Inorganic iodide therapy for T3-thyrotoxicosis] Sakurada T, et al. **Folia Endocrinol Jap 49:876-81, 20 Jun 73 (Eng. Abstr.) (Jap)**

DIAGNOSTIC USE

In vitro thyroid function tests: a comparison of some commercially available kits. Smidt KP, et al. **NZ Med J 77:365-8, Jun 73**

A quantitative analysis of the effect of thyroid suppression and stimulation on 131 I thyroid trapping. Rosenthall L. **Radiology 108:353-7, Aug 73**

[Value of a beta-blocking drug in prolonged treatment of hyperthyroidism and in the triiodothyronine inhibition assay] Jaffiol C, et al. **Therapeutique 49:111-4, Feb 73 (Fre)**

[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeutic principle] Gerdes H, et al. **Dtsch Med Wochenschr 98:1551-4, 24 Aug 73 (Eng. Abstr.) (Ger)**

METABOLISM

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al. **Acta Endocrinol (Kbh) 73:266-72, Jun 73**

Thyroid function and morphology in rabbits following active immunization with thyroxine or triiodothyronine. Usadel KH, et al. **Acta Endocrinol [Suppl] (Kbh) 173:12, 1973**

Discriminant value of thyroid function tests. Jorgensen JV. **Br Med J 3:170, 21 Jul 73**

Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al. **Horm Metab Res 5:289-92, Jul 73**

Thyroid function tests in the first year of life. Landau H, et al. **Isr J Med Sci 9:929-31, Jul 73**

Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlieri RR, et al. **J Clin Endocrinol Metab 37:308-16, Aug 73**

Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest 52:2522-31, Oct 73**

Metabolism of L-thyroxine by phagocytosing human leukocytes. Woeber KA, et al. **J Clin Invest 52:1796-803, Aug 73**

Binding of thyroid hormones to a soluble fraction from porcine anterior pituitary. Sufi SB, et al. **J Endocrinol 58:41-52, Jul 73**

Thyrotoxicosis in an elderly population. Stiel JN, et al. **Med J Aust 2:986-8, 28 Oct 72**

Selection of thyroid hormone products. **Med Lett Drugs Ther 15:70-1, 17 Aug 73**

The different uptake of triiodothyronine and thyroxine

by adipose tissue as compared with muscle or leucocytes in man. Felt V, et al.
Physiol Bohemoslov 22:51-3, 1973

[T3--thyrotoxicosis] Gordon A.
Harefuah 84:616-7, 1 Jun 73 **(Heb)**

[Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect] Iteison I, et al. **Harefuah** 84:648-50, 15 Jun 73 (Eng. Abstr.) **(Heb)**

PHARMACODYNAMICS

Catecholamines: thyroid function and the sexual cycle in rats. Fernández BE, et al.
Acta Endocrinol (Kbh) 73:273-81, Jun 73

Inhibition of the noradrenaline-induced adenyl cyclase stimulation by augmented alpha-adrenergic response in subcutaneous adipose tissue from hypothyroid subjects. Grill V, et al.
Acta Med Scand 194:129-33, Jul-Aug 73

Effects of fructose, glucose and glyceraldehyde on the toxicity of ethanol in hyperthyroid rats. Hillborn ME, et al. **Acta Med Scand [Suppl]** 542:151-5, 1972

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

Effect of insulin on lipid metabolism of human arteries. Mahler R. **Adv Metab Disord** 2:Suppl 2:49-53, 1973

Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Polosa P, et al.
Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72

Influence of the thyroid upon the glycosaminoglycans in the salivary glands in the rat. Kofoed JA, et al.
Arch Oral Biol 18:481-5, Apr 73

Protein synthesis in Fundulus heteroclitus muscle. Jackim E, et al.
Comp Biochem Physiol [A] 44:851-66, 1 Mar 73

Evidence for stimulation of thyroidal secretion by iodoaminoacids or iodide. Yoshimura S, et al.
Endocrinol Jap 20:217-9, Apr 73

Effect of norepinephrine and sodium fluoride on heart adenyl cyclase in newborn and adult rats. Brus R, et al.
Endocrinology 93:982-5, Oct 73

Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al.
Endocrinology 93:532-9, Sep 73

A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine. Flint G, et al.
Experientia 29:566-8, 15 May 73

Changes in hepatic phosphoenolpyruvate carboxykinase activity and its intracellular distribution during bullfrog metamorphosis. Nagano H, et al. **FEBS Lett** 33:125-8, 15 Jun 73

Triiodothyronine and hydrocortisone effects on Rana pipiens erythropoiesis. Meints RH, et al.
Gen Comp Endocrinol 21:9-15, Aug 73

Effectiveness of thyroxine and triiodothyronine in surgical and prophylthiouracil induced hypothyroidism assessed by changes in intestinal electrogenic transfer. Levin RJ, et al.
J Physiol (Lond) 232:78P-79P, Jul 73

The influence of triiodothyronine and riboflavin deficiency on the rat liver with special reference to mitochondria. A morphologic, morphometric, a cytochemical study by electron microscopy. Reith
Lab Invest 29:216-28, Aug 73

The heart muscle of the rat under influence triiodothyronine and riboflavin deficiency wit special reference to mitochondria. A morphologic a morphometric study by electron microscopy. Reith et al. **Lab Invest** 29:229-35, Aug 73

Thyroid hormone action: a cell-culture system responsive to physiological concentrations of thyro hormones. Samuels HH, et al.
Science 181:1253-6, 28 Sep 73

The management of thyroid diseases. Bayliss F
Trans Med Soc Lond 88:34-9, 1972

[Biological activity of synthetic thyrotropin releasi factor] Iudaev NA, et al.
Probl Endokrinol (Mosk) 19:50-2, May-Jun 73 (En Abstr.) **(Ru**

PHYSIOLOGY

Thyroid hormone inhibition of the prolactin respon to thyrotropin-releasing hormone. Snyder PJ, et
J Clin Invest 52:2324-9, Sep 73

The significance of triiodothyronine.
Med J Aust 1:1214-5, 23 Jun 73

SECRETION

Thyroid disease and some complications. Wilson W
Ann R Coll Surg Engl 53:27-39, Jul 73

Changes induced by the acute administration of iodi on secretion of iodinated components by the r thyroid gland perfused in situ. Berthezene F, et
Experientia 29:613-5, 15 May 73

THERAPEUTIC USE

Response to triiodothyronine and dextroamphetamin a study of preschool schizophrenic children. Campbe M, et al. **J Autism Child Schizo** 2:343-58, Oct-Dec
Male infertility: an optimistic report. Stewart BH, et
J Urol 110:216-8, Aug 73

The management of thyroid diseases. Bayliss R
Trans Med Soc Lond 88:34-9, 1972

[Study of ribosomal level in the liver of the normal ar dwarf mouse] Mellet J.
Biochimie 55:189-94, 1973 (Eng. Abstr.) **(Fr**

[Asymptomatic struma. Nuclear-medical diagnosis ar therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 **(Ge**

[Hypothyroidism in an infant] Wilk F.
Wien Med Wochenschr 123:418-20, 30 Jun 73 **(Ge**

URINE

Urinary triiodothyronine and thyroxine, and the relationship to the serum free levels. Burke CW, et
Clin Sci 44:5P-6P passim, Feb 73

Effects of phenobarbital on thyroxine and triiodothyronine kinetics in Graves' disease. Cavlie RR, et al. **J Clin Endocrinol Metab** 37:308-16, Aug

The urinary excretion of triiodothyronine (T3) an thyroxine (T4) in man. Burke CW, et al.
J Physiol (Lond) 231:62P, Jun 73

LIBRARY U. OF I., URBANA-CHAMPAIGN

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

ADMINISTRATION & DOSAGE

The surgical management of thyroid disorders. Wade H. **Trans Med Soc Lond** 88:40-52, 1972

ADVERSE EFFECTS

The management of thyroid diseases. Bayliss RI. **Trans Med Soc Lond** 88:34-9, 1972

ANALYSIS

Potentiometric determination of various thyrostatic drugs in tablets] Pinzauti S, et al. **Farmaco [Prat]** 28:396-402, Jul 73 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martin JA. **Rev Iber Endocrinol** 20:269-87, May-Jun 73 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

he management of thyroid diseases. Bayliss RI. **Trans Med Soc Lond** 88:34-9, 1972
he surgical management of thyroid disorders. Wade H. **Trans Med Soc Lond** 88:40-52, 1972

IETHIMAZOLE

ANALYSIS

otentiometric determination of various thyrostatic rugs in tablets] Pinzauti S, et al. **'armaco [Prat]** 28:396-402, Jul 73 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

ibition of p-chlorophenoxyisobutyrate by methyl-2-mercaptoimidazole and related ompounds. Ryan NT, et al. **iochem Pharmacol** 22:1397-404, 15 Jun 73
TSH-stimulated thyroid hormone release inhibited iodide? Nagataki S, et al. **ndocrinology** 93:532-9, Sep 73
nsport capacity of median eminence. IV. In vivo yroxine transport. Silverman AJ, et al. **euroendocrinology** 12:212-23, 1973

THERAPEUTIC USE

urrence of thyrotoxicosis with regard to thyroid ppressibility after treatment with antithyroid ugs. Hackenberg K, et al. **ta Endocrinol [Suppl] (Kbh)** 173:20, 1973
mapheresis in the treatment of thyrotoxic crisis easurement of half-concentration times for free l total T3 and T4). Herrmann J, et al. **ta Endocrinol [Suppl] (Kbh)** 173:22, 1973
operative and postoperative management of perthyroidism with special reference to thyroid sis] Teichmann W, et al. **trabl Chir** 98:703-5, 11 May 73 **(Ger)**

THYLTHIOURACIL

effect of thyroid hormones and thyrostatics on level of sialic acids in the serum of rats] Kuz'mak **Fiziol Zh SSSR** 59:1114-21, Jul 73 **(Rus)**

PHARMACODYNAMICS

ts of cold exposure, thyroid extract, hylthiouracil and dehydroepiandrosterone on ose 6-phosphate and 6-phosphogluconate dehydrogenases in rat liver and erythrocytes. Hilgertová J, et al. **Horm Metab Res** 5:286-9, Jul 73
[Histoenzymochemical study of the liver of white rats with experimental hypothyrosis] Shevchuk VI. **Probl Endokrinol (Mosk)** 19:104-7, May-Jun 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Antirecurrence treatment of ulcer disease with methyluracil and nerobol] Lomazova MM. **Vrach Delo** 1:56-7, Jan 73 (Eng. Abstr.) **(Rus)**

PROPYLTHIOURACIL

Effectiveness of thyroxine and triiodothyronine in surgical and prophylthiouracil induced hypothyroidism assessed by changes in intestinal electrogenic transfer. Levin RJ, et al. **J Physiol (Lond)** 232:78P-79P, Jul 73

ADMINISTRATION & DOSAGE

[Quantitative and histologic studies of the fetal and maternal thyroid gland of the rat following propylthiouracil treatment] Städtler F, et al. **Beitr Pathol** 149:293-306, Jul 73 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Resistance of rat thyroid iodoprotein to proteolysis following large doses of radioiodine. Kobayashi I, et al. **Endocrinology** 93:593-601, Sep 73
Stimulant action of methoxamine in the isolated atria of normal and 6-propyl-2-thiouracil-fed rats. Nakashima M, et al. **Jap J Pharmacol** 23:307-12, Jun 73
[Quantitative and histologic studies of the fetal and maternal thyroid gland of the rat following propylthiouracil treatment] Städtler F, et al. **Beitr Pathol** 149:293-306, Jul 73 (Eng. Abstr.) **(Ger)**

THIOURACIL

Thyromimetric activity of 3,5,3'-trimethyl-L-thyronine. Jorgensen EC, et al. **J Med Chem** 16:306-7, Mar 73

ANALYSIS

[Potentiometric determination of various thyrostatic drugs in tablets] Pinzauti S, et al. **Farmaco [Prat]** 28:396-402, Jul 73 (Eng. Abstr.) **(Ita)**

BLOOD

Distribution and placental transfer of 14C-thiourea and 14C-thiouracil in mice studied by whole-body autoradiography. Slanina P, et al. **Acta Pharmacol Toxicol (Kbh)** 32:358-68, 1973

METABOLISM

Distribution and placental transfer of 14C-thiourea and 14C-thiouracil in mice studied by whole-body autoradiography. Slanina P, et al. **Acta Pharmacol Toxicol (Kbh)** 32:358-68, 1973
Localization of drugs in tissues with respect to their physiological actions. Waddell WJ. **Annu Rev Pharmacol** 13:153-68, 1973 (81 ref.)
Relative antithyroid effects of 2-thiouracil, 2-thiouridine and 2-thio-UMP. Yu MY, et al. **Proc Soc Exp Biol Med** 143:672-6, Jul 73

PHARMACODYNAMICS

Pseudouridine deficiency in transfer ribonucleic acids from Escherichia coli treated with 2-thiouracil. Gurchinoff S, et al. **Biochemistry** 12:3236-41, 14 Aug 73
Oxygen and glucose uptake, and lactate production in polycystic rat ovary. Surwillo BO, et al. **Endocrinology** 93:652-9, Sep 73

Relative antithyroid effects of 2-thiouracil, 2-thiouridine and 2-thio-UMP. Yu MY, et al.
Proc Soc Exp Biol Med 143:672-6, Jul 73

RADIATION EFFECTS

H-adduct radicals in x-irradiated frozen solutions of uracil derivatives. Van de Vorst A.
Int J Radiat Biol 24:81-5, Jul 73

THERAPEUTIC USE

The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972

THYROID ANTAGONISTS

[Mechanism of the apperance of thyroid neoplasms in rats] Stoll R, et al.
C R Soc Biol (Paris) 166:1654-6, 1972 **(Fre)**

[The effect of thyroid hormones and thyrostatics on the level of sialic acids in the serum of rats] Kuz'mak NI. **Fiziol Zh SSSR** 59:1114-21, Jul 73 **(Rus)**

ADMINISTRATION & DOSAGE

The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972

ADVERSE EFFECTS

Iodine-131 and carcinogenesis.
Med J Aust 1:1171-2, 16 Jun 73

ANALYSIS

[Potentiometric determination of various thyrostatic drugs in tablets] Pinzauti S, et al.
Farmaco [Prat] 28:396-402, Jul 73 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72

[Mechanism of action of thyroid antagonists: with special reference to its relationship with concentration of inorganic iodine in the blood] Shimoda S, et al.
Clin Endocrinol (Tokyo) 21:509-12, May 73 **(Jap)**

THERAPEUTIC USE

Thyroid disease and some complications. Wilson WW.
Ann R Coll Surg Engl 53:27-39, Jul 73

The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al.
J Pathol 109:p8-9, Jan 73

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72

Iodine-125 in thyrotoxicosis.
Lancet 2:426, 25 Aug 73 (22 ref.)

Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72

[Human thyroid stimulating hormone level in various thyroid disorders] Ito J, et al.
Folia Endocrinol Jap 49:1135-46, 20 Aug 73 (Eng. Abstr.) **(Jap)**

LIBRARY U. OF I. URBANA-CHAMPAIGN

V. Related Topics

EXOPHTHALMOS

The present clinical importance and frequency of occurrence of sympathetic ophthalmia] Pietruschka G, et al.
Klin Monatsbl Augenheilkd 162:451-6, Apr 73 (Eng. Abstr.) **(Ger)**

BLOOD

A problem in the bioassay of exophthalmos-producing activity using goldfish. Kurata N, et al.
Osaka City Med J 18:37-50, 1972

COMPLICATIONS

Myxedema associated with exophthalmos and digital clubbing. Shah SS, et al.
Indian J Med Sci 26:315-8, May 72

DIAGNOSIS

Malignant exophthalmos of both eyes] Krawczykowa Z, et al. **Klin Oczna** 43:835-8, Jul 73 (Eng. Abstr.) **(Pol)**
Value of unidimensional echography in the diagnosis of orbital volume processes] Mozherenkov DP, et al.
Nov Med Priborostr 1:28-31, 1972 **(Rus)**

DRUG THERAPY

Treatment with metronidazole of endocrine exophthalmos] González-Bárcena D, et al.
Arch Invest Med (Mex) 4:69-74, 1973 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Unilateral proptosis due to an intra-orbital schwannoma. Danziger J, et al.
S Afr Med J 47:1358-60, 4 Aug 73
ssifying cementoma (cementifying fibroma). Montgomery WW.
Trans Am Acad Ophthalmol Otolaryngol 76:1380-3, Sep-Oct 72
The importance of orbital phlebography in neuro-ophthalmology] Baleriaux-Waha D, et al.
J Belge Radiol 56:85-94, Mar-Apr 73 (Eng. Abstr.) **(Fre)**
Paraneoplastic exophthalmos. Discussion of a case] Bronner A, et al.
Rev Otoneuroophtalmol 44:411-4, Oct-Dec 72 **(Fre)**
Value of unidimensional echography in the diagnosis of orbital volume processes] Mozherenkov DP, et al.
Nov Med Priborostr 1:28-31, 1972 **(Rus)**

RADIOGRAPHY

bital venography as an investigative procedure. ppalanarasaiah K, et al. **Int Surg** 58:569-73, Aug 73

SURGERY

alignant exophthalmos of both eyes] Krawczykowa , et al. **Klin Oczna** 43:835-8, Jul 73 (Eng. Abstr.) **(Pol)**

THERAPY

eatment of progressive malignant exophthalmos by tal thyroidectomy. Kirmse L, et al.
cta Endocrinol [Suppl] (Kbh) 173:24, 1973
empt at thyroid ablation with radioactive iodine for e treatment of ophthalmopathy in Graves' disease. well WN, et al. **Am J Med Sci** 265:467-72, Jun 73

EXOPHTHALMOS PRODUCING SUBSTANCE

METABOLISM

[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al.
Doc Ophthalmol 35:297-307, 27 Jul 73 **(Ger)**

PHARMACODYNAMICS

Retrobulbar modifications in experimental exophthalmos: the effect of thyrotropin and an exophthalmos producing substance derived from thyrotropin on the 35SO4 incorporation and glycosaminoglycan content of Harderian glands. Winand RJ, et al. **Endocrinology** 93:670-80, Sep 73

IODIDES

Cutaneous blood flow and tissue blood exchange. Sejrsen P. **Adv Biol Skin** 12:191-205, 1972 (34 ref.)
The localization of 125iodide, 3H-inulin and 3H-acetylcholine in autoradiographic model experiments. Driessen OM, et al.
Histochemie 36:115-21, 1973
[Hormonal and metabolic studies in a case of athyreotic hypothyroidism with secondary hypoactivity of deiodinase] Kuboshima K, et al.
J Jap Soc Intern Med 62:280-6, Mar 73 **(Jap)**

ADMINISTRATION & DOSAGE

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:813-5, 15 May 73

ADVERSE EFFECTS

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72

BLOOD

Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72

METABOLISM

Permeability effects of organomercurials. Selwyn MJ.
Biochem J 130:65P-67P, Nov 72
Permeability of Azotobacter vinelandii to cations and anions. Visser AS, et al.
Biochim Biophys Acta 298:333-40, 16 Mar 73
Mechanisms of anion permeation. A review of available data, principally on muscle cells, with the fixed charge concept in mind. Spurway NC.
Biomembranes 3:363-80, 1972 (34 ref.)
Transfer of anions across phospholipid membranes. Singer MA. **Can J Physiol Pharmacol** 51:523-31, Jul 73
The circannual variations of thyroid activity in the woodchuck(Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 44:775-800, 1 Mar 73
Comparative studies of indophenyl acetate and iodide salts of acetylthiocholine and butyrylthiocholine as esterase substrates. Mendoza CE, et al.
Comp Gen Pharmacol 3:134-8, Jun 72
Resistance of rat thyroid iodoprotein to proteolysis following large doses of radioiodine. Kobayashi I, et al. **Endocrinology** 93:593-601, Sep 73
Function of peroxidase and NADPH cytochrome C reductase during the Wolff-Chaikoff effect. Yamamoto K, et al. **Endocrinology** 93:822-8, Oct 73
Drug inhibition of PAH transport from cerobrospinal fluid in rabbits. Domer FR.
Exp Neurol 40:414-23, Aug 73
Demonstration of iodide transport defect but normal

U. OF I., URBANA-CHAMPAIGN

iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al. **J Clin Invest** 52:2404-10, Oct 73

Metabolism of L-thyroxine by phagocytosing human leukocytes. Woeber KA, et al. **J Clin Invest** 52:1796-803, Aug 73

Anion conductance of frog muscle membranes: one channel, two kinds of pH dependence. Woodbury JW, et al. **J Gen Physiol** 62:324-53, Sep 73

Hyperthyroidism and pregnancy. Reinfrank RF. **J Reprod Med** 8:56-8, Feb 72

[Dehalogenation of various analogs of phenolic iodides in normal and thyroidectomized rats] Dumas P. **Biochem Pharmacol** 22:1599-605, 1 Jul 73 (Eng. Abstr.) **(Fre)**

[Concentration and secretion of the iodides and pertechnetates by the salivary glands] Börner W, et al. **Fortschr Kiefer Gesichtschir** 15:26-7, 1972 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

A simple preparation of bicuculline methiodide, a water-soluble GABA antagonist. Pong SF, et al. **Brain Res** 58:266-7, 17 Aug 73

Evidence for stimulation of thyroidal secretion by iodoaminoacids or iodide. Yoshimura S, et al. **Endocrinol Jap** 20:217-9, Apr 73

Function of peroxidase and NADPH cytochrome C reductase during the Wolff-Chaikoff effect. Yamamoto K, et al. **Endocrinology** 93:822-8, Oct 73

Drug inhibition of PAH transport from cerobrospinal fluid in rabbits. Domer FR. **Exp Neurol** 40:414-23, Aug 73

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al. **Experientia** 29:613-5, 15 May 73

The requirements of anions for transport of calcium in rat duodenum. Wrobel J, et al. **FEBS Lett** 29:121-3, 15 Jan 73

Hyperthyroidism and pregnancy. Reinfrank RF. **J Reprod Med** 8:56-8, Feb 72

THERAPEUTIC USE

Plasmapheresis in the treatment of thyrotoxic crisis (measurement of half-concentration times for free and total T3 and T4). Herrmann J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:22, 1973

Treatment of systemic mycoses. Abernathy RS. **Medicine (Baltimore)** 52:385-94, Sep 73

[Asymptomatic struma. Nuclear-medical diagnosis and therapy] Hör G, et al. **Med Klin** 68:1164-70, 7 Sep 73 **(Ger)**

[Iodinol therapy of herpetic keratitis] Paramei VT, et al. **Oftalmol Zh** 28:223-5, 1973 (Eng. Abstr.) **(Rus)**

URINE

[Dehalogenation of various analogs of phenolic iodides in normal and thyroidectomized rats] Dumas P. **Biochem Pharmacol** 22:1599-605, 1 Jul 73 (Eng. Abstr.) **(Fre)**

IODINE

Functional behaviour of compensated autonomous nodules of the thyroid after ingestion of iodinated contrast media with strong protein binding. Mahlstedt J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:21, 1973

The effect of a post-milking teat dip on the iodine concentration of bulk herd milk. Iwarsson K, et al. **Acta Vet Scand** 14:338-40, 1973

Conformational flexibility of a myelin protein. Moscarello MA, et al. **Biochemistry** 12:3402-6, 28 Aug 73

Origins of human leukocyte chromatin-associated RNA. Getz MJ, et al. **Biochim Biophys Acta** 312:555-73, 13 Jul 73

Iodination of cobrotoxin. Huang JS, et al. **Toxicon** 11:39-45, Jan 73

[Synthesis of iodo-3-aminophenols] Wunderer H. **Arch Pharm (Weinheim)** 306:371-80, May 73 (Eng. Abstr.) **(Ger)**

[Mechanism of the reaction of 3-aminophenol with potassium iodate] Wunderer H. **Arch Pharm (Weinheim)** 306:380-8, May 73 (Eng. Abstr.) **(Ger)**

[Synthesis of adrenal scanning agent, 131I-19-iodocholesterol, and its clinical applicati Kojima M, et al. **Clin Endocrinol (Tokyo)** 21:331-5, Mar 73 (J

[Correlation between iodine supplementation iodine concentration in milk from dairy co Iwarsson K, et al. **Nord Vet Med** 24:559-66, Nov 72 (Eng. Abstr.) (Sv

ADMINISTRATION & DOSAGE

Chelated trace minerals for G-F swine. Owen AA, et **J Anim Sci** 37:95-103, Jul 73

The management of thyroid diseases. Bayliss **Trans Med Soc Lond** 88:34-9, 1972

[The fasciolicidal action of "Ranide" on Fasci hepatica in experimental infection of sheep] Dijks J, et al. **Tijdschr Diergeneeskd** 98:702-12, 1 Aug 73 (E Abstr.) (D

[Correlation between iodine supplementation iodine concentration in milk from dairy co Iwarsson K, et al. **Nord Vet Med** 24:559-66, Nov 72 (Eng. Abstr.) (Sv

ADVERSE EFFECTS

Total and free triiodothyronine and thyroxine levels thyroid storm and recurrent hyperthyroidis Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73

ANALYSIS

Iodine content in colostrum and milk of cows and so Iwarsson K, et al. **Acta Vet Scand** 14:254-62, 1

The effect of a post-milking teat dip on the iod concentration of bulk herd milk. Iwarsson K, et **Acta Vet Scand** 14:338-40, 1973

[Excretion of iodine (131-I) during administration inactive iodide in cattle. Pedersen KB. **Acta Vet Scand** 14:347-9, 1973

Alkylating esters. VII. The metabolism of iso-pro methanesulphonate and iso-propyl iodide in the r Jones AR, et al. **Experientia** 29:538-9, 15 May

Spectrophotometric determination of thyroxine iodi in thyroid preparations. Sondack DL. **J Pharm Sci** 62:1342-4, Aug 73

Changes in the performance of the electroge transfer mechanisms of the small intestine related different sources of a commercial feeding diet f rats. Levin RJ, et al. **J Physiol (Lond)** 231:109P-110P, Jun 73

Selection of thyroid hormone products. **Med Lett Drugs Ther** 15:70-1, 17 Aug 73

The effects of Renografin-60 on the fetal thyro Morrison JC, et al. **Obstet Gynecol** 42:99-103, Jul

[Pigmentation due to amiodarone hydrochlorid Geerts ML. **Brux Med** 53:151-7, Mar 73 (Fr

[The iodine content of drinking water in Sardini Costa A. **Folia Endocrinol (Roma)** 26:134-8, Apr 73 (En Abstr.) (It

[Importance of standardization of the choice elemental analysis of eye tissues] Zhuk LI, et **Oftalmol Zh** 28:196-8, 1973 (Eng. Abstr.) (Ru

[Correlation between iodine supplementation a iodine concentration in milk from dairy cow Iwarsson K, et al. **Nord Vet Med** 24:559-66, Nov 72 (Eng. Abstr.) (Sw

[New volumetric-visual methods for the quantitati determination of tropane derivative pharmaceutic preparations. 3. Iodometric determination of tropa series pharmaceutical preparations through formi slightly soluble coordination compounds] Suprun P **Farm Zh** 27:52-7, Nov-Dec 72 (Eng. Abstr.) (Uk

BLOOD

The effect of amprolium and of payzone on t functional state of the thyroid in growing chicken Andersson P, et al. **Acta Vet Scand** 14:225-8, 19

[Excretion of iodine (131-I) during administration inactive iodide in cattle. Pedersen KB. **Acta Vet Scand** 14:347-9, 1973

Thyroid function tests. Sterling K. **Adv Intern Med** 18:345-62, 1972 (106 ref.)

Iodine metabolism in endemic goiter in Turkey. I. T kinetics of 131-I and organic iodine. Kologlu S, et **Biomedicine [Express]** 19:94-7, 20 Mar 73

Semi-automated method for serum thyroxine as iodi

using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al.
Clin Chim Acta 45:443-7, 30 May 73

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:613-5, 15 May 73

Absorption of iodipamide from the biliary system of the rabbit. Nelson JA, et al.
J Pharm Pharmacol 24:993-5, Dec 72

Catalytic determination of iodine in serum at nanogram levels using the As(3)-Ce(IV) reaction. Ke PJ, et al.
Mikrochim Acta 4:569-81, 1973

Protein-bound iodine values in the aged. Getz R, et al.
S Afr Med J 47:1270, 28 Jul 73

The effect of uremic serum on granulocyte iodination capacity. Odeberg H, et al.
Trans Am Soc Artif Intern Organs 19:484-6, 1973

Hyperthyroidism--thrombopenic purpura--vitiligo] Godeau P, et al.
Ann Med Interne (Paris) 124:327-31, Apr 73 **(Fre)**

Child hypothyroidism due to isolated defect in hypophyseal thyroid stimulating hormone] Job JC, et al. **Arch Fr Pediatr** 30:61-4, Jan 73 (Eng. Abstr.) **(Fre)**

Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine [Express] 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**

Rapid determination of iodoamino acid iodine in blood serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

Minerals and trace elements in horse serum or plasma] Meyer H, et al.
Dtsch Tieraerztl Wochenschr 80:190-3 concl, 15 Apr 73 (100 ref.) **(Ger)**

Mechanism of action of thyroid antagonists: with special reference to its relationship with concentration of inorganic iodine in the blood] Shimoda S, et al.
Clin Endocrinol (Tokyo) 21:509-12, May 73 **(Jap)**

Monophase circadian rhythm of protein-bound iodine in white rats] Lungu AL, et al.
Stud Cercet Endocrinol 24:275-8, 1973 **(Rum)**

DIAGNOSTIC USE

Intracraniel tuberculoma. Report of 2 cases] Garcia-Lopes P, et al.
Arq Neuropsiquiatr 31:132-8, Jun 73 (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

Rapid determination of iodoamino acid iodine in blood serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**

METABOLISM

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al.
Acta Endocrinol (Kbh) 73:266-72, Jun 73

Secretion of iodine (131-I) during administration of active iodide in cattle. Pedersen KB.
Acta Vet Scand 14:347-9, 1973

Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)

Effect of growth hormone and prolactin on the body weight and thyroid activity of Spotted Munia. Mandola A, et al.
C R Endocrinol (Paris) 33:583-91, Nov-Dec 72

Species variations in the O-methylation of n-butyl 3,5-diiodo-4-hydroxy-3,5-diiodobenzoate. Wold JS, et al.
Biochem Pharmacol 22:1865-73, 1 Aug 73

Iodine metabolism in endemic goiter in Turkey. I. The kinetics of 131-I and organic iodine. Kologlu S, et al.
Nuklearmedizin [Express] 19:94-7, 20 Mar 73

Effects of chronic hemodialysis on thyroid function in chronic renal failure. Silverberg DS, et al.
Wis Med Assoc J 109:282-6, 18 Aug 73

Action of Bacillus subtilis liquefying amylase on 6-oxy-6-iodoamylose. Weill CE, et al.
Carbohydr Res 27:451-4, Apr 73

Decrease of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oashi T, et al. **Endocrinology** 93:880-6, Oct 73

Alkylating esters. VII. The metabolism of iso-propyl methanesulphonate and iso-propyl iodide in the rat. Jones AR, et al. **Experientia** 29:538-9, 15 May 73

Dynamics of mineral elements in the digestive tract of ruminants. Cragle RG. **Fed Proc** 32:1910-4, Aug 73

The oocytes as major competitors for radioiodide in laying Japanese quail. Robinson GA.
Gen Comp Endocrinol 21:123-8, Aug 73

Congenital goiter in four euthyroid siblings with glandular and circulating iodoproteins and defective iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73

A goitrous subject with defective synthesis of diiodotyrosine due to thyroglobulin abnormalities. Kusakabe T. **J Clin Endocrinol Metab** 37:317-25, Aug 73

Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. Abrams GM, et al. **J Clin Invest** 52:2522-31, Oct 73

Rectal absorption of 99m Tc-pertechnetate in the dog. Caride VJ. **J Nucl Med** 14:600-3, Aug 73

The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. Nicol AG, et al.
J Pathol 109:p8-9, Jan 73

Changes in the performance of the electrogenic transfer mechanisms of the small intestine related to different sources of a commercial feeding diet for rats. Levin RJ, et al.
J Physiol (Lond) 231:109P-110P, Jun 73

Relation between the 6- and 24-hour thyroidal 131-I uptake and the control of thyrotoxicosis by radioactive 131-I therapy. Sagel J, et al.
S Afr Med J 47:1356-8, 4 Aug 73

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine [Express] 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**

[Is there an increase in urinary iodine clearance in pubertal goiters?] Simonin R, et al.
Probl Actuels Endocrinol Nutr 16:249-61, 3 May 73 **(Fre)**

[Thyroid function using 131-I in the budgerigar, (Melopsittacus undulatus), as compared to autoradiography and morphology] Robiller F, et al.
Arch Exp Veterinaermed 26:875-82, Oct 72 (Eng. Abstr.) **(Ger)**

[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) **(Ger)**

[Animal experiments on the influence of increased body temperature on the radio-iodine two phase test] Robiller F.
Radiobiol Radiother (Berl) 14:307-10, 1973 (Eng. Abstr.) **(Ger)**

[Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect] Iteison I, et al. **Harefuah** 84:648-50, 15 Jun 73 (Eng. Abstr.) **(Heb)**

[Metabolism of 131I labelled thyroxine in patients with diiodotyrosine deiodination disorders] Niimi H, et al.
Clin Endocrinol (Tokyo) 21:623-5, Jun 73 **(Jap)**

[Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid] Sato S, et al.
Clin Endocrinol (Tokyo) 21:489-94, May 73 **(Jap)**

[Mechanism of action of thyroid antagonists: with special reference to its relationship with concentration of inorganic iodine in the blood] Shimoda S, et al.
Clin Endocrinol (Tokyo) 21:509-12, May 73 **(Jap)**

[Effect of starvation on thyroid function in rats] Tonooka N, et al.
Folia Endocrinol Jap 49:1034-42, 20 Jul 73 (Eng. Abstr.) **(Jap)**

[Neurotoxicity of clioquinol. 3. Autoradiographic distribution of radioactive clioquinol in several species of animals] Tateishi J, et al.
Psychiatr Neurol Jap 75:187-96, Mar 73 **(Jap)**

[Familial hypothyroidism with deafness (Pendred's syndrome)] Dubiel A, et al.
Endokrynol Pol 24:257-64, May-Jun 73 (Eng. Abstr.) **(Pol)**

[Tissue clearance of 131-J from lower-limb blood vessels in diabetes] Poniecki A, et al.
Wiad Lek 26:1119-23, 15 Jun 73 (Eng. Abstr.) **(Pol)**

[Correlation between iodine supplementation and iodine concentration in milk from dairy cows]

Iwarsson K, et al.
Nord Vet Med 24:559-66, Nov 72 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

Catecholamines: thyroid function and the sexual cycle in rats. Fernández BE, et al.
Acta Endocrinol (Kbh) 73:273-81, Jun 73
The significance of iodine in the aggregation of subunits into thyroglobulin and in the formation of 27S iodoprotein. Sinadinović J, et al.
Acta Endocrinol (Kbh) 73:43-58, May 73
Is TSH-stimulated thyroid hormone release inhibited by iodide? Nagataki S, et al.
Endocrinology 93:532-9, Sep 73
The fumarate reductase reaction of Haemonchus contortus and the mode of action of some anthelmintics. Prichard RK.
Int J Parasitol 3:409-17, May 73
Biochemical properties of a cephalosporin beta-lactamase from Pseudomonas aeruginosa. Yaginuma S, et al. **Jap J Microbiol** 17:141-9, Mar 73
Lung scanning for the detection of endobronchial foreign bodies in infants and children. Clinical and experimental studies. Rudavsky AZ, et al.
Radiology 108:629-33, Sep 73

POISONING

[SMON and its clinical course] Tsubaki T.
J Jap Soc Intern Med 61:5-8, 31 Dec 72 **(Jap)**

SECRETION

Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Berthezene F, et al.
Experientia 29:613-5, 15 May 73

STANDARDS

Catalytic determination of iodine in serum at nanogram levels using the As(3)-Ce(IV) reaction. Ke PJ, et al.
Mikrochim Acta 4:569-81, 1973

THERAPEUTIC USE

The chemotherapeutic activity of selected fasciolicides against immature Fasciola hepatica in mice. Hayes TJ, et al. **Experientia** 29:899-900, 1973
Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism. Jacobs HS, et al. **Lancet** 1:236-8, 4 Aug 73
The anoestrous syndrome in New Zealand dairy cattle. 1. A preliminary investigation. Fielden ED, et al.
NZ Vet J 21:77-81, May 73
The management of thyroid diseases. Bayliss RI.
Trans Med Soc Lond 88:34-9, 1972
[The fasciolicidal action of "Ranide" on Fasciola hepatica in experimental infection of sheep] Dijkstra J, et al.
Tijdschr Diergeneeskd 98:702-12, 1 Aug 73 (Eng. Abstr.) **(Dut)**
[Diagnosis of iodotyrosine-dehalogenase deficiency after 3 normal pregnancies] Elewaut A, et al.
Ann Endocrinol (Paris) 33:599-605, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Thyroid sarcoma in endemic regions] Depisch D, et al.
Bruns Beitr Klin Chir 220:397-404, Jul 73 (Eng. Abstr.) **(Ger)**
[Objective criteria of phlebosclerosation] Kriessmann A, et al.
Med Klin 68:957-61, 20 Jul 73 (Eng. Abstr.) **(Ger)**
[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al.
Zentralbl Chir 98:703-5, 11 May 73 **(Ger)**
[Thyroid crisis treated with iodine contrast medium and reserpine] Takeuchi K, et al.
Clin Endocrinol (Tokyo) 21:637-40, Jun 73 **(Jap)**
[Inorganic iodide therapy for T3-thyrotoxicosis] Sakurada T, et al.
Folia Endocrinol Jap 49:876-81, 20 Jun 73 (Eng. Abstr.) **(Jap)**
[Results of the use of iontophoresis in endodontics] Haimovici A, et al.
Rev Med Chir Soc Med Nat Iasi 77:307-12, Apr-Jun 73 (Eng. Abstr.) **(Rum)**
[Effectiveness of anti-goiter measures in the Dzhalal-Abad focus of endemic goiter] Bakhitov FI et al. **Sov Zdravookhr Kirg** 3:34-7, May-Jun 72 **(Ru**
[Iodine-bromine waters in the treatment of syphili Zorin PM.
Vestn Dermatol Venerol 47:42-9, Mar 73 (Eng. Abstr **(Ru**
[Iodine-bismuth sulfamide in latent mastitis in cow Riazanskii MP, et al. **Veterinariia** 49:92-4, May 73 **(Ru**
[Experience in using iodine and bromine electrophoresis on patients with cerebral circulato insufficiency under polyclinic conditions] Berkutskaia IuI.
Vopr Kurortol Fizioter Lech Fiz Kult 37:551- Nov-Dec 72 **(Ru**

TOXICITY

Iodination of cobrotoxin. Huang JS, et al.
Toxicon 11:39-45, Jan 73

URINE

Species variations in the O-methylation of n-but 4-hydroxy-3,5-diiodobenzoate. Wold JS, et al.
Biochem Pharmacol 22:1865-73, 1 Aug 73
Iodine metabolism in endemic goiter in Turkey. I. T kinetics of 131-I and organic iodine. Kologlu S, et
Biomedicine [Express] 19:94-7, 20 Mar 73
Alkylating esters. VII. The metabolism of iso-prop methanesulphonate and iso-propyl iodide in the r Jones AR, et al. **Experientia** 29:538-9, 15 May
Absorption of iodipamide from the biliary system the rabbit. Nelson JA, et al.
J Pharm Pharmacol 24:993-5, Dec 72
[Is there an increase in urinary iodine clearance pubertal goiters?] Simonin R, et al.
Probl Actuels Endocrinol Nutr 16:249-61, 3 May **(Fr**

IODOPROTEINS

Studies on thyroidal colloid pinocytosis: role different thyroglobulin pools. Balatti JJ, et
Acta Endocrinol (Kbh) 73:475-82, Jul 73

BIOSYNTHESIS

The significance of iodine in the aggregation subunits into thyroglobulin and in the formation 27S iodoprotein. Sinadinović J, et al.
Acta Endocrinol (Kbh) 73:43-58, May 73

ISOLATION & PURIFICATION

Isolation and immunological examination of th so-called thyralbumin(TA). Cernelč M, et al.
Allerg Immunol (Leipz) 18:177-82, 1972

METABOLISM

[Excretion of iodine (131-I) during administration inactive iodide in cattle. Pedersen KB.
Acta Vet Scand 14:347-9, 1973
Resistance of rat thyroid iodoprotein to proteoly following large doses of radioiodine. Kobayashi I, al. **Endocrinology** 93:593-601, Sep 73
Congenital goiter in four euthyroid siblings wi glandular and circulating iodoproteins and defecti iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73

LONG-ACTING THYROID STIMULATOR

ADMINISTRATION & DOSAGE

Effect of thyrotropin and of LATS on mouse thyr cyclic AMP. Zakarija M, et al.
Metabolism 22:1185-91, Sep 73

ANALYSIS

Attempt at thyroid ablation with radioactive iodine the treatment of ophthalmopathy in Graves' disea Fawell WN, et al. **Am J Med Sci** 265:467-72, Jun
Supervoltage orbital radiotherapy for Graves' ophthalmopathy. Donaldson SS, et al.
J Clin Endocrinol Metab 37:276-85, Aug 73

HENRY U. OF L. URBANA-CHAMPAIGN

BIOSYNTHESIS

iosynthesis of long-acting thyroid stimulator] chemmel K, et al.
erh Dtsch Ges Inn Med 78:933-5, 1972 (Ger)

BLOOD

terogeneity of long acting thyroid stimulating LATS)-activity, thyroglobulin antibodies and hyroid microsomal antibodies. Adlkofer F, et al. cta Endocrinol (Kbh) 73:483-8, Jul 73
e immunoassay of thyroid-stimulating hormone and s clinical applications. Hall R.
lin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
milial occurrence of Basedow's disease] Miyazaki T, al.
olia Endocrinol Jap 49:995-1000, 20 Jul 73 (Eng. bstr.) (Jap)

METABOLISM

atment of progressive malignant exophthalmos by tal thyroidectomy. Kirmse L, et al.
cta Endocrinol [Suppl] (Kbh) 173:24, 1973

PHARMACODYNAMICS

s LATS protector stimulate the human thyroid? endall-Taylor P, et al. Clin Sci 45:2P, Jul 73
perthyroidism and pregnancy. Reinfrank RF. Reprod Med 8:56-8, Feb 72
ect of thyrotropin and of LATS on mouse thyroid clic AMP. Zakarija M, et al.
etabolism 22:1185-91, Sep 73
effect of LATS and TSH on protein and RNA nthesis in isolated thyroid cells. el-Khatib SM, et al. oc Soc Exp Biol Med 143:869-78, Jul 73

PHYSIOLOGY

ntification of LATS as an antigen-antibody complex. hemmel K, et al.
ta Endocrinol [Suppl] (Kbh) 173:11, 1973
edow's disease and cyclic AMP] Onaya T, et al.
n Endocrinol (Tokyo) 21:303-5, Mar 73 (Jap)

OTEIN-BOUND IODINE TEST

roid function tests. Sterling K.
v Intern Med 18:345-62, 1972 (106 ref.)
ne metabolism in endemic goiter in Turkey. I. The ietics of 131-I and organic iodine. Koloğlu S, et al.
medicine [Express] 19:94-7, 20 Mar 73
riminant value of thyroid function tests. Jorgensen Br Med J 3:170, 21 Jul 73
m thyroxine levels in patients receiving hyroxine suppression or replacement therapy. hn A. Can Med Assoc J 109:279-81, 18 Aug 73
cts of chronic hemodialysis on thyroid function in ronic renal failure. Silverberg DS, et al.
Med Assoc J 109:282-6, 18 Aug 73
l-automated method for serum thyroxine as iodine ng commercially available pre-packed resin umns. Burnett D, et al.
n Chim Acta 46:321-32, 14 Jul 73
ence of subtracheal fat body depletion on thyroid ction in the desert iguana. Walker RF.
mp Biochem Physiol [A] 44:911-7, 1 Mar 73
SH-stimulated thyroid hormone release inhibited iodide? Nagataki S, et al.
docrinology 93:532-9, Sep 73
oxine binding globulin (TBG) in thyrotoxicosis in hypothyroidism. Gravina E, et al.
a Endocrinol (Roma) 25:135-42, Apr 72
ew index to predict ovulation in the human. tés-Gallegos V. Int J Fertil 18:93-6, 1973
oid function tests in the first year of life. Landau et al. Isr J Med Sci 9:929-31, Jul 73
lial autoimmune thyroiditis: maternal-fetal tionship and the role of generalized oimmunity. Goldsmith RE, et al.
lin Endocrinol Metab 37:265-75, Aug 73
rentiation of chronic lymphocytic thyroiditis and ple goiter in pediatrics. Monteleone JA, et al.
ediatr 83:381-5, Sep 73
rthyroidism and pregnancy. Reinfrank RF. Reprod Med 8:56-8, Feb 72
n tests for thyroid function. Bell RL.
enn Med Assoc 66:626-7, Jun 73

Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131. Toft AD, et al. Lancet 2:644-5, 22 Sep 73
Effect of lithium on thyroid in man. Villeneuve A, et al. Lancet 2:502, 1 Sep 73
Thyrotoxicosis in an elderly population. Stiel JN, et al. Med J Aust 2:986-8, 28 Oct 72
Catalytic determination of iodine in serum at nanogram levels using the As(3)-Ce(IV) reaction. Ke PJ, et al. Mikrochim Acta 4:569-81, 1973
The influence of feeding packing plant byproducts containing thyroids and parathyroids on the reproduction of rats and mink. Kangas J, et al. Nord Vet Med 24:162-70, Mar 72
Hypothyroidism in patients treated with lithium: a review and two case reports. Crowe MJ, et al. Psychol Med 3:337-42, Aug 73
Consistency of treatment allocation in thyrotoxicosis. Aitchison J, et al. Q J Med 42:575-83, Jul 73
[Determination of serum thyroxine using labelled thyroxine 131-I] Hníková O, et al.
Sb Lek 75:257-62, Sep 73 (Eng. Abstr.) (Cze)
[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 (Fre)
[Thyroid gland function of patients with diabetes in long-term use of glibornuride] Reinwein D.
Arzneim Forsch 22:Suppl 12A:2221, Dec 72 (Eng. Abstr.) (Ger)
[Rapid determination of iodoamino acid iodine in blood serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) (Ger)
[Relation between the exophthalmos-producing factor and the thyroid factor from the anterior hypophyseal lobe] Poonawalla NH, et al.
Doc Ophthalmol 35:297-307, 27 Jul 73 (Ger)
[Side-effects and effects of lithium therapy on the endocrinium in man] Gerdes H.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) (Ger)
[Asymptomatic struma. Nuclear-medical diagnosis and therapy] Hör G, et al.
Med Klin 68:1164-70, 7 Sep 73 (Ger)
[Thyroid gland function tests] Pfannenstiel P.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) (Ger)
[Animal experiments on the influence of increased body temperature on the radio-iodine two phase test] Robiller F.
Radiobiol Radiother (Berl) 14:307-10, 1973 (Eng. Abstr.) (Ger)
[Significance of TRH in the differential diagnosis of thyroid gland diseases] Pixberg HU, et al.
Radiol Diagn (Berl) 14:235-8, 1973 (Eng. Abstr.) (Ger)
[Hypothyroidism in an infant] Wilk F.
Wien Med Wochenschr 123:418-20, 30 Jun 73 (Ger)
[Clinical evaluation of a new thyroid function test, Res-o-Mat ETR] Kiyono Y, et al.
Clin Endocrinol (Tokyo) 21:419-25, Apr 73 (Jap)
[Experimental and clinical evaluation of Thyopac-4 test and usefulness of the free thyroxine index derived from the test] Senda K, et al.
Clin Endocrinol (Tokyo) 21:323-9, Mar 73 (Jap)
[Increased TBG-T4-binding capacity in acute hepatitis] Tabei A, et al.
Folia Endocrinol Jap 49:1025-33, 20 Jul 73 (Eng. Abstr.) (Jap)
[Determination of serum thyroxine] Kinoshita F, et al.
Jap J Clin Radiol 18:305-14, May 73 (19 ref.) (Jap)
[Thyroid function test by Res-O-Mat ETR test. II. Simultaneous determination of the effective thyroxine ratio and thyroxine concentration in the blood Res-O-Mat ETR test] Inada M, et al.
Jap J Nucl Med 10:37-43, Feb 73 (Eng. Abstr.) (Jap)
[Evaluation of RI in vitro test for thyroid function (resin strip technic). II. Competitive protein binding analysis] Sawazaki N, et al.
Jap J Nucl Med 10:13-5, Feb 73 (Eng. Abstr.) (Jap)
[Evaluation of RI in vitro test for thyroid function (resin strip technic). I. Direct saturation analysis] Sawazaki N, et al.
Jap J Nucl Med 10:9-12, Feb 73 (Eng. Abstr.) (Jap)
[Experimental and clinical observation on Thyopac-3 and -4, particularly on Thyopac-4] Kinoshita F, et al.
Nippon Acta Radiol 33:247-55, Mar 73 (Eng. Abstr.) (Jap)
[Monophase circadian rhythm of protein-bound iodine in white rats] Lungu AL, et al.
Stud Cercet Endocrinol 24:275-8, 1973 (Rum)
[Development of the thyroid gland in the ontogenesis of the rat] Zenzerov VS, et al.

Izv Akad Nauk SSSR [Biol] 3:400-8, May-Jun 73 (Eng. Abstr.) (Rus)
[Electrolyte in balance in diffuse toxic goiter] Lipets AI.
Probl Endokrinol (Mosk) 19:16-8, May-Jun 73 (Eng. Abstr.) (Rus)

THYROXINE-BINDING PROTEIN

A renewal attempt to compare the affinity of thyroxine-binding-globulin to thyroxine in normal and hyperthyroid sera. Shimizu T, et al.
Endocrinol Jap 20:85-7, Feb 73
Protein phosphokinases of bound and free thyroid polyribosomes. Pavlovic-Hournac M, et al.
FEBS Lett 33:65-9, 15 Jun 73
Conformational changes following interaction between retinol isomers and human retinol-binding protein and between the retinol-binding protein and prealbumin. Heller J, et al.
J Biol Chem 248:6308-16, 25 Sep 73
Interactions of all-trans, 9-, 11-, and 13-cis-retinal, all-trans-retinyl acetate, and retinoic acid with human retinol-binding protein and prealbumin. Horwitz J, et al. **J Biol Chem** 248:6317-24, 25 Sep 73
Immunoassay of thyroxine in unextracted human serum. Larsen PR, et al.
J Clin Endocrinol Metab 37:177-82, Aug 73
Progressive decrease in serum triiodothyronine concentrations with human aging: radioimmunoassay following extraction of serum. Rubenstein HA, et al.
J Clin Endocrinol Metab 37:247-53, Aug 73
Binding of thyroid hormones to a soluble fraction from porcine anterior pituitary. Sufi SB, et al.
J Endocrinol 58:41-52, Jul 73
Hyperthyroidism and pregnancy. Reinfrank RF.
J Reprod Med 8:56-8, Feb 72
Serum tests for thyroid function. Bell RL.
J Tenn Med Assoc 66:626-7, Jun 73
Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131. Toft AD, et al. **Lancet** 2:644-5, 22 Sep 73
Serum triiodothyronine, total thyroxine, and thyroxine to triiodothyronine ratios in paired maternal-cord sera and at one week and one month of age. Montalvo JM, et al. **Pediatr Res** 7:706-11, Aug 73
The different uptake of triiodothyronine and thyroxine by adipose tissue as compared with muscle or leucocytes in man. Felt V, et al.
Physiol Bohemoslov 22:51-3, 1973
Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative. Schreiber B, et al.
Physiol Bohemoslov 22:11-7, 1973
[Determination of serum thyroxine using labelled thyroxine 131-I] Hníková O, et al.
Sb Lek 75:257-62, Sep 73 (Eng. Abstr.) (Cze)
[Thyroid gland function tests] Pfannenstiel P.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) (Ger)
[Experimental and clinical evaluation of Thyopac-4 test and usefulness of the free thyroxine index derived from the test] Senda K, et al.
Clin Endocrinol (Tokyo) 21:323-9, Mar 73 (Jap)

ANALYSIS

Evaluation of a free thyroxine index. Elewaut A, et al.
Ann Endocrinol (Paris) 34:84-90, Jan-Feb 73
Thyroxine binding globulin (TBG) in thyrotoxicos and in hypothyroidism. Gravina E, et al.
Folia Endocrinol (Roma) 25:135-42, Apr 72
Cost-benefit analysis of in vitro screening tests thyroid function. Brookeman VA, et al.
J Nucl Med 14:721-2, Sep 73
Differentiation of chronic lymphocytic thyroiditis ar simple goiter in pediatrics. Monteleone JA, et
J Pediatr 83:381-5, Sep 73
Incidence of signs and symptoms in thyroid diseas Oddie TH, et al. **Med J Aust** 2:981-6, 28 Oct
In vitro thyroid function tests: a comparison of son commercially available kits. Smidt KP, et al.
NZ Med J 77:365-8, Jun 73
[Role of prealbumin in physiological transport thyroxine] Van den Schrieck HG, et al.
Ann Endocrinol (Paris) 34:79-83, Jan-Feb 73 (Fr
[Determination of thyroxine binding globulin capaci with cellulose acetate electrophoresis] Konno N, et
Clin Endocrinol (Tokyo) 21:337-42, Mar 73 (Ja
[Increased TBG-T4-binding capacity in acute hepatiti Tabei A, et al.
Folia Endocrinol Jap 49:1025-33, 20 Jul 73 (En Abstr.) (Ja
[Determination of thyroxine--its problems and clinic application] Nanbu S.
Jap J Clin Pathol 21:302-6, Apr 73 (Ja
[Determination of serum thyroxine] Kinoshita F, et
Jap J Clin Radiol 18:305-14, May 73 (19 ref.) (Ja

ISOLATION & PURIFICATION

Studies on human thyroxine-binding globulin. Isoelectric focusing evidence for microheterogenei of thyroxine-binding globulin. Marshall JS, et
Arch Biochem Biophys 156:456-62, Jun 73

METABOLISM

The circannual variations of thyroid activity in t woodchuck(Marmota monax). Wenberg GM, et
Comp Biochem Physiol [A] 44:775-800, 1 Mar
Interaction of thyroxine with rat adenohypophys proteins in vitro. Přibyl T, et al.
Folia Biol (Praha) 19:203-9, 1973
Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosteron and hormone binding proteins in patients wi hypogonadism. Kley HK, et al.
Horm Metab Res 5:271-4, Jul 73
Congenital goiter in four euthyroid siblings wi glandular and circulating iodoproteins and defecti iodothyronine synthesis. Gattereau A, et al.
J Clin Endocrinol Metab 37:118-28, Jul 73

PHYSIOLOGY

Adenohypophysial growth and thyroxine bindin effects of steroid hormones. Schreiber V, et
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 19
[Role of prealbumin in physiological transport thyroxine] Van den Schrieck HG, et al.
Ann Endocrinol (Paris) 34:79-83, Jan-Feb 73 (Fr

LIBRARY U. OF L. URBANA-CHAMPAIGN

I. Physical and Functional Aspects

ADRENAL GLANDS

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973

esonance Raman scattering and optical absorption of adrenodoxin and selena-adrenodoxin. Tang SP, et al.
Biochem Biophys Res Commun 53:869-74, 6 Aug 73

he proliferative response after partial hepatectomy in hypophysectomized rats bearing portacaval anastomoses. Weinbren K, et al.
Br J Exp Pathol 54:429-36, Aug 73

e primary tissue culture of rat adult decapsulated drenal glands: problems of methodology and pplications. Armato U, et al.
Experientia 29:106-7, 1 May 73

owth hormone regulation and ypothalamic-pituitary-adrenal function in anorexia ervosa. Neri V, et al.
otia Endocrinol (Roma) 25:143-52, Apr 72

diation dosimetry of 131I-19-iodocholesterol. irschner AS, et al. **J Nucl Med 14:713-7, Sep 73**

fects of adrenalectomy and of hypophysectomy on he development of sound-withdrawal hypertension. arwood JF, et al.
Pharm Pharmacol 25:96-100, Feb 73

ckwita's syndrome with extreme organ hyperplasia. pe TF, et al. **Pediatrics 52:372-81, Sep 73**

termination of cyclic AMP by binding competition: pplication to biologic fluids] Gelot M, et al.
R Soc Biol (Paris) 166:1476-81, 1972 (Fre)

udies on long-term tolerance of glibornuride in the t and in the dog] Schärer K, et al.
rzneim Forsch 22:Suppl 12A:2188, Dec 72 (Eng. bstr.) (Ger)

nthesis of adrenal scanning agent, 1I-19-iodocholesterol, and its clinical application] jima M, et al.
n Endocrinol (Tokyo) 21:331-5, Mar 73 (Jap)

ABNORMALITIES

ncephaly: a review. Nakano KK.
kh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)

ANALYSIS

ct of age and sex on cortisol concentrations of ipheral tissues and adrenals in white guinea pigs. ekas AT, et al.
a Endocrinol [Suppl] (Kbh) 173:32, 1973

esterone, 20alpha-dihydroprogesterone, eta-dihydroprogesterone and pregnanediol in erent human fetal tissues. Runnebaum B, et al.
a Endocrinol [Suppl] (Kbh) 173:48, 1973

anism of the action of DL-cysteine hydrochloride delayed-type hypersensitivity. I. Influence of cysteine hydrochloride on levels of SH groups in lymphatic organs of rats with postadjuvant arthritis. Michalak E.
Immunol Ther Exp (Warsz) 21:249-54, 1973

diol receptors in benign and malignant disease of breast. Leung BS, et al.
Chim Acta 46:69-76, 14 Jun 73

hyroidism and the maturation of the thalamo-hypophyseal-adrenal axis. Meserve LA, l. **Dev Psychobiol 6:123-9, Mar 73**

ation of adrenal ornithine decarboxylase by nocorticotropic hormone and cyclic AMP. man R, et al. **J Clin Invest 52:2007-15, Aug 73**

The pharmacokinetics of phentermine and chlorphentermine in chronically treated rats. Lüllmann H, et al.
J Pharm Pharmacol 25:239-43, Mar 73

Experimental protein-calorie malnutrition in the guinea pig and evaluation of the role of ascorbic acid status. Enwonwu CO. **Lab Invest 29:17-26, Jul 73**

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I.
Steroids 21:511-9, Apr 73

An electron microscopic observation on RE-cells of the rat adrenal cortex with respect to the nature of lipid globules. Nakamura K.
Tohoku J Exp Med 109:205-21, Mar 73

Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlik K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 1973

[Adrenal gland level of medullary amines during the 1st week of life in guinea pigs] Gradiski D, et al.
C R Soc Biol (Paris) 166:1670-4, 1972 (Fre)

[Correlation between the morphology and lipid content of the guinea pig, rat and bovine adrenal cortices] Frühling J, et al.
J Ultrastruct Res 44:113-33, Jul 73 (Eng. Abstr.) (Fre)

[The effect of vibration on corticosterone and nicotinamide-adenine-dinucleotide-phosphate level in the rat adrenal and serum] Sugawara N, et al.
Jap J Hyg 27:347-52, Aug 72 (Eng. Abstr.) (Jap)

[Corticosteroid level in experimental renal hypertension in rats] Markov KhM, et al.
Patol Fiziol Eksp Ter 16:61-3, Nov-Dec 72 (Eng. Abstr.) (Rus)

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) (Rus)

[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (Eng. Abstr.) (Rus)

[Effect of reserpine on the hypothalamo-hypophyseo-adrenal system of the rat in the prenatal and early postnatal periods] Skebel'skaia IuB, et al.
Probl Endokrinol (Mosk) 19:52-7, May-Jun 73 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Sex differences in the adrenal cortex of the hamster. Microscopic and histometric studies. Zieger G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:26, 1973

Environmentally induced changes in the dimensions of the rat cerebrum: a replication and extension. Walsh RN, et al. **Dev Psychobiol 6:3-7, Jan 73**

Population density and social, territorial, and physiological measures in the gerbil (Meriones unguiculatus). Hull EM, et al.
J Comp Physiol Psychol 84:414-22, Aug 73

Early effects of stilboestrol on growth hormone and prolactin secretion and on pituitary mitotic activity in the male rat. Lloyd HM, et al.
J Endocrinol 58:227-31, Aug 73

UNIV. OF L. URBANA-CHAMPAIGN

The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. **J Endocrinol** 58:177-84, Aug 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M. **J Endocrinol** 58:251-62, Aug 73

Aldosterone producing capacity of adrenal glands of sodium-restricted pregnant rats. Khokhar SA, et al. **J Nutr** 103:1126-30, Aug 73

Comparative organ weights for 8 standardized wild rodent species. Dieterich RA, et al. **Lab Anim Sci** 23:575-81, Aug 73

Volitional ethanol increases during acquisition and extinction of avoidance responding. Opsahl CA, et al. **Physiol Behav** 8:87-93, Jan 72

Conflict duration, feeding schedule, and strain differences in conflict-induced gastric ulcers. Paré WP. **Physiol Behav** 8:165-71, Feb 72

Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlík K, et al. **Virchows Arch [Pathol Anat]** 360:11-26, 1973

[Activity of several acid hydrolases and ascorbic acid level in rat testis during vitamin A deficiency] Goubern M, et al. **Ann Nutr Aliment** 26:263-89, 1972 (Eng. Abstr.) **(Fre)**

[Adrenalectomy in treatment of Cushing's disease] Tolloczko T. **Pol Przegl Chir** 45:1153-60, Aug 73 (20 ref.) **(Pol)**

BLOOD SUPPLY

Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al. **Am J Obstet Gynecol** 117:194-200, 15 Sep 73

Adrenal ablation by venous catheter. Eddy RL, et al. **Ann Intern Med** 79:273-4, Aug 73

Regional blood flows in unanaesthetized rhesus monkeys during myocardial infarction. Hill JD, et al. **Cardiovasc Res** 7:375-82, May 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

Effect of temporary ischemia on the fine structure of the rat adrenal cortex. Horvath E, et al. **Pathol Eur** 8:43-59, 1973

[Circulatory changes in experimental hyperthyroidism in rats. II. Blood flow through endocrine glands] Kapitola J, et al. **Sb Lek** 75:231-6, Aug 73 (Eng. Abstr.) **(Cze)**

[Endotoxinemia and adrenocortical hemorrhage. Experimental study using ACTH-treated rats] Bavaud C. **Virchows Arch [Pathol Anat]** 360:71-7, 1973 (Eng. Abstr.) **(Ger)**

[Diagnosis of adrenal gland neoplasms causing primary aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood] Fukuchi S, et al. **Folia Endocrinol Jap** 49:865-70, 20 Jun 73 (Eng. Abstr.) **(Jap)**

[Microanglography. Methods. Causes of errors] Miękoś E, et al. **Pol Przegl Chir** 45:813-21, Jun 73 (Eng. Abstr.) **(Pol)**

[Adrenalectomy in treatment of Cushing's disease] Tolloczko T. **Pol Przegl Chir** 45:1153-60, Aug 73 (20 ref.) **(Pol)**

[Typologic-topometric studies of the site of emptying of ovarian and testicular veins in man] Sośnik H. **Pol Przegl Radiol** 37:405-10, May-Jun 73 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Sex differences in the adrenal cortex of the hamster. Microscopic and histometric studies. Zieger G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:26, 1973

The ultrastructure of the adrenal zona glomerulosa of rats on patassium-supplemented or sodium-depleted diets. Domoto DT, et al. **Am J Pathol** 72:433-46, Sep 73

Purification and properties of rat adrenal phenylethanolamine-N-methyl transferase. Pohorecky LA, et al. **Arch Biochem Biophys** 156:703-11, Jun 73

Adrenal microsomal C19-steroid 5alpha-reductase activity in the Snell transplantable rat adrenocortical tumour 494 and the effect of oestradiol, testostero propionate and adrenocorticotrophin in intact a gonadectomized rats. Maynard PV, et al. **Biochem J** 132:293-300, Feb 73

Metabolism of androst-4-ene-3,17-dione by subcellu fractions of rat adrenal tissue with particul reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al. **Biochem J** 132:283-91, Feb 73

Stereoselective inhibition of steroid 11-beta-hydroxylation in ox and sheep adrenocorti mitochondria: comparison of metyrapone and 1 enantiomers of 2-(4-aminophenyl)-2-phenethylam (SKF-12185). Hewick DS, et al. **Biochem Pharmacol** 22:1653-9, 1 Jul 73

The synthesis of DNA associated with the nucl membrane of guinea pig adrenal cells. Barrieux A, al. **Biochim Biophys Acta** 312:228-42, 23 Jun

Corticosteroidogenesis and its relation to AC dependence of mitochondrial components. Ruhmann-Wennhold A, et al. **Endocrinology** 93:977-82, Oct 73

Regulation of steroidogenesis by ACTH in a superfusion system for isolated adrenal cells Schulster D. **Endocrinology** 93:700-4, Sep 73

Studies on proliferative activity of adrenal cortex liver regeneration following partial hepatector Danz M, et al. **Exp Pathol (Jena)** 6:225-8, 1

The primary tissue culture of rat adult decapsula adrenal glands: problems of methodology an applications. Armato U, et al. **Experientia** 29:106-7, 1 May 73

Mitochondrial NAD-dependent malic enzyme: a n regulatory enzyme. Sauer LA. **FEBS Lett** 33:251-5, 1 Jul 73

Cytochrome P-450 from bovine adrenocortical mitochondria: an enzyme for the side chain cleav of cholesterol. II. Subunit structure. Shikita M, et **J Biol Chem** 248:5605-9, 25 Aug 73

Cytochrome P-450 from bovine adrenocortical mitochondria: an enzyme for the side chain cleav of cholesterol. I. Purification and properties. Shik M, et al. **J Biol Chem** 248:5598-604, 25 Aug

The effect of increased K+ concentration ar serotonin on cyclic AMP and corticosterone output dispersed adrenal zona glomerulosa cells. Albano et al. **J Endocrinol** 58:xi, Jul 73

The pH range of the diazosafranin reaction of rat other mast cells. Lillie RD, et al. **J Histochem Cytochem** 21:441-7, May 73

Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stárka L al. **Physiol Bohemoslov** 21:233-8, May 72

Binding of prostaglandins and cytochrome P-450. Tar et al. **Prostaglandins** 4:9-16, Jul 73

An electron microscopic observation on RE-cells of rat adrenal cortex with respect to the nature of li globules. Nakamura K. **Tohoku J Exp Med** 109:205-21, Mar 73

The effect of bee venom on serum corticosterone lev and adrenal mitochondrial cytochrome P-450 in int and hypophysectomized rats. Alfano JA, et **Toxicon** 11:101-2, Jan 73

[Correlation between the morphology and lipid cont of the guinea pig, rat and bovine adrenal cortic Frühling J, et al. **J Ultrastruct Res** 44:113-33, Jul 73 (Eng. Abstr.) (F

[Effect of angiotensin II in vitro on RNA, prot cyclic AMP and aldosterone biosynthesis, using a suspension system from the zona glomerulosa of adrenals] Trachewsky D, et al. **Union Med Can** 102:884-9, Apr 73 (Eng. Abstr.) (F

[Action of pantethine on the adrenal cortex hypophysectomized rats] Kosaka C, et al. **Clin Endocrinol (Tokyo)** 21:517-25, May 73 (J

[Hydroxylation of progesterone and pregnenolon the adrenal mitochondria of swine] Afinogenova et al. **Probl Endokrinol (Mosk)** 19:66-70, May-Jun 73 (I Abstr.) (R

[Morphological aspects of the problem of hypophy regulation of the glomerular zone of the adr gland. II. Histochemistry of the adrenocortical cell birds and amphibia under ACTH stimulatio Tkacheva GA. **Probl Endokrinol (Mosk)** 19:57-61, May-Jun 73 (I Abstr.) (R

DRUG EFFECTS

ffects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al. **Acta Anat (Basel)** 85:386-94, 1973

he role of a feedback mechanism in the regulation of aldosterone secretion in the rat. Debreceni L, et al. **Acta Endocrinol (Kbh)** 73:282-8, Jun 73

ffect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et al. **Acta Endocrinol (Kbh)** 73:417-26, Jul 73

ontribution on regulation of corticotrophic partial function. Reference to an active negative regulation. Herrmann H.
Acta Endocrinol [Suppl] (Kbh) 173:30, 1973

he influence of ACTH and HCG on the steroidogenesis of fetal adrenals in vitro. Lehmann WD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:75, 1973

lectron microscopic study on the role of the mesenchyma in regressive transformation by dexamethasone. Mäusle E.
Acta Endocrinol [Suppl] (Kbh) 173:25, 1973

hanges in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H. et al.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973

ffect of self-stimulation on adrenocortical activity in the rat. Sadowski B, et al.
Acta Physiol Acad Sci Hung 42:157-62, 1972

udy of the kinetics of aldosterone production by rat adrenal glands in vitro. Preliminary report. Margoulies M, et al.
Ann Endocrinol (Paris) 33:632-4, Nov-Dec 72

drenal microsomal C19-steroid 5alpha-reductase ctivity in the Snell transplantable rat adrenocortical umour 494 and the effect of oestradiol, testosterone ropionate and adrenocorticotrophin in intact and onadectomized rats. Maynard PV, et al.
Biochem J 132:293-300, Feb 73

etabolism of androst-4-ene-3,17-dione by subcellular ractions of rat adrenal tissue with particular eference to microsomal C19-steroid alpha-reductase. Maynard PV, et al.
Biochem J 132:283-91, Feb 73

e synthesis of DNA associated with the nuclear embrane of guinea pig adrenal cells. Barrieux A, et l. **Biochim Biophys Acta** 312:228-42, 23 Jun 73

drenal crisis in a dental patient having systemic orticosteroids. Cawson RA, et al.
Br J Oral Surg 10:305-9, Mar 73

fects of vinblastine on catecholamine-biosynthetic nzymes in heart, sympathetic ganglion and adrenal lands of rats. Hanbauer I, et al.
Br J Pharmacol 48:106-12, May 73

rphine analgesia, tolerance and physical ependence in the adrenalectomized rat. Wei E.
Br J Pharmacol 47:693-9, Apr 73

ffect of
a-methylallylthiocarbamoyl-2-
ethylthiocarbamoylhydrazine(methallibure) on the ndocrine glands in gilts (hypophysis, thyroid, drarenal). Bielański A.
Bull Acad Pol Sci [Biol] 21:445-7, 1973

pothyroidism and the maturation of the ypothalamo-hypophyseal-adrenal axis. Meserve LA, al. **Dev Psychobiol** 6:123-9, Mar 73

ect of ouabain in vivo on corticosterone secretion of t adrenal gland. Inaba M, et al.
Endocrinol Jap 19:557-65, Dec 72

relationship of rapidly labeled adrenal RNA nthesis to steroidogenesis in a superfusion system: ffect of ACTH. Castells S, et al.
Endocrinology 93:285-91, Aug 73

renal cells in tissue culture. X. On the mechanism of e stimulation of steroidogenesis by cyclic cytidine onophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73

ersible inhibition of ACTH-induced corticosteroid lease by cycloheximide: evidence for an identified cellular messenger. Rubin RP, et al.
Endocrinology 93:575-80, Sep 73

ticosteroidogenesis and its relation to ACTH pendence of mitochondrial components. hmann-Wennhold A, et al.
Endocrinology 93:977-82, Oct 73

ulation of steroidogenesis by ACTH in a perfusion system for isolated adrenal cells. huister D. **Endocrinology** 93:700-4, Sep 73

gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73

Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al. **Endocrinology** 93:517-26, Sep 73

Suppression of the hypothalamic-pituitary-adrenal-axis with dexamethasone. Morgner KD, et al. **Horm Metab Res** 5:307, Jul 73

The effect of increased K+ concentration and serotonin on cyclic AMP and corticosterone output by dispersed adrenal zona glomerulosa cells. Albano JD, et al. **J Endocrinol** 58:xi, Jul 73

Determination of corticosterone in rat plasma by competitive protein-binding assay and its use in assessing the effects of CB154 and perphenazine on adrenal function. Cameron EH, et al. **J Endocrinol** 58:27-8, Jul 73

Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. Madill D, et al. **J Endocrinol** 58:78-87, Jul 73

Rat adrenal 5alpha-reductase activity and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al. **J Endocrinol** 58:7-8, Jul 73

Adrenocortical function in the Australian brush-tailed possum Trichosurus vulpecula (Kerr). Than KA, et al. **J Endocrinol** 58:97-109, Jul 73

Pharmacology of diferuloyl methane (curcumin), a non-steroidal anti-inflammatory agent. Srimal RC, et al. **J Pharm Pharmacol** 25:447-52, Jun 73

Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al. **Jap J Pharmacol** 23:349-54, Jun 73

Studies on the physical dependence liability of analgesics. 4. Electron microscopic study on intramitochondrial structure of zona fasciculata cells in adrenal cortex in codeine addicted rats. Yano I, et al. **Jap J Pharmacol** 23:313-9, Jun 73

Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et al. **Neuroendocrinology** 12:257-71, 1973

Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973

Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stárka L, et al. **Physiol Bohemoslov** 21:233-8, May 72

Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al. **Prostaglandins** 3:629-46, May 73 (35 ref.)

Adrenal response to synthetic adrenocorticotrophic hormone during pregnancy and after delivery, with special reference to pre-eclamptic and hypertensive pregnancy. Kauppila A, et al.
Scand J Clin Lab Invest 31:179-85, Mar 73

The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al. **Tohoku J Exp Med** 110:161-6, Jun 73

Biochemical and morphological alterations induced by long-term administration of epinephrine, metanephrine and thyroxine in rats. Trzeciak HI. **Toxicol Appl Pharmacol** 25:315-22, Jul 73

Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlík K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 1973

[Effect of an early ACTH injection on mammary and adrenal gland development in the mouse fetus in utero] Jean C.
C R Soc Biol (Paris) 166:1675-80, 1972 **(Fre)**

[Histochemical study of various adrenal gland enzymatic activities in chick embryos, normal or treated with parathion: special analysis of the anticholinesterasic action of this organophosphorous compound] Meiniel R.
C R Soc Biol (Paris) 166:1712-5, 1972 **(Fre)**

[Effect of ethambutol on the adrenal cortex function. Experimental study] Lukjanova LA.
G Ital Chemioter 19:36-7, Jan-Jun 72 **(Fre)**

[Plasma corticoid level following administration of prednisolone and prednisolone acetate as well as the behavior of eosinophils in the dog] Claussen C, et al. **Arch Exp Veterinaermed** 26:1041-51, Dec 72 (Eng. Abstr.) **(Ger)**

[Chemistry, pharmacology and administration of 1-methylthiocarbamoyl-2(1'-methylallyl)thiocarbamoylhydrazine

(METHALLIBURUM)] Löw O.
Arch Exp Veterinaermed 26:883-938, Dec 72 (Eng. Abstr.) **(Ger)**

[Caffeine, coffee, headache and migraine] Selbach H.
Med Klin 68:842-8, 11 May 73 **(Ger)**

[The effect of long-term prednisone on growth and on the hypothalmic-pituitary-adrenal axis] Drezner Z, et al. **Harefuah** 85:70-2, 15 Jul 73 (Eng. Abstr.) **(Heb)**

[Action of pantethine on the adrenal cortex of hypophysectomized rats] Kosaka C, et al.
Clin Endocrinol (Tokyo) 21:517-25, May 73 **(Jap)**

[Josamycin propionate. 4. Toxicity] Hazato H, et al.
Jap J Antibiot 26:136-47, Apr 73 (Eng. Abstr.) **(Jap)**

[Toxicity of 3',4'-dideoxykanamycin B. 1. Acute toxicity in mice and rats] Koeda T, et al.
Jap J Antibiot 26:221-7, Jun 73 (Eng. Abstr.) **(Jap)**

[Toxicity of 3',4'-dideoxykanamycin B. 2. Subacute toxicity in rats and rabbits] Koeda T, et al.
Jap J Antibiot 26:228-46, Jun 73 (Eng. Abstr.) **(Jap)**

[Toxicity of 3',4'-dideoxykanamycin B. 3. Chronic toxicity in rats and dogs] Koeda T, et al.
Jap J Antibiot 26:247-61, Jun 73 (Eng. Abstr.) **(Jap)**

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 **(Rus)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Experimental data on the adrenocorticolytic activity of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-4, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. II. Histochemistry of the adrenocortical cells of birds and amphibia under ACTH stimulation] Tkacheva GA.
Probl Endokrinol (Mosk) 19:57-61, May-Jun 73 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973

ENZYMOLOGY

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973

Purification and properties of rat adrenal phenylethanolamine-N-methyl transferase. Pohorecky LA, et al.
Arch Biochem Biophys 156:703-11, Jun 73

Relative distribution of arylsulphatases A and B in rat liver parenchymal and other cells. Hook GE, et al.
Biochem J 134:191-5, May 73

Adrenal microsomal C19-steroid 5alpha-reductase activity in the Snell transplantable rat adrenocortical tumour 494 and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al.
Biochem J 132:293-300, Feb 73

Metabolism of androst-4-ene-3,17-dione by subcellular fractions of rat adrenal tissue with particular reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al.
Biochem J 132:283-91, Feb 73

The synthesis of DNA associated with the nuclear membrane of guinea pig adrenal cells. Barrieux A, et al. **Biochim Biophys Acta** 312:228-42, 23 Jun 73

Effects of vinblastine on catecholamine-biosynthetic enzymes in heart, sympathetic ganglion and adrenal glands of rats. Hanbauer I, et al.
Br J Pharmacol 48:106-12, May 73

Micro radioisotopic determination of enzymes catechol-O-methyltransferase, phenylethanolamine-N-methyltransferase and monoamine oxidase in a single concentration of tissue homogenate. Parvez H, et al.
Clin Chim Acta 46:85-90, 14 Jun 73

Effects of hormones on development of fetal enzymes. Greengard O.
Clin Pharmacol Ther 14:721-6, Jul-Aug 73

Drugs and fetal metabolism. Rane A, et al.
Clin Pharmacol Ther 14:666-72, Jul-Aug 73

Changes in fetal steroid metabolism with age. Vil DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug

Adrenal cells in tissue culture. X. On the mechanism the stimulation of steroidogenesis by cyclic cytid monophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73

Phenylethanolamine-N-methyl transferase activity the ground squirrel (Citellus citellus). Petrović V et al. **Experientia** 29:876-7, 1973

Mitochondrial NAD-dependent malic enzyme: a r regulatory enzyme. Sauer LA.
FEBS Lett 33:251-5, 1 Jul 73

Histochemical investigations on the mouse suprare gland in the process of regeneration. II. Behaviou adenosinotriphosphatase (ATP-ase) and alkali phosphatase (ALP-ase). Achtelik W, et al.
Folia Biol (Krakow) 20:307-14, 1972

Histochemical investigations on the mouse suprare gland in the process of regeneration. I. Behaviou acid phosphatase (AP-ase), E-600 resistant ester and acid desoxyribonuclease (DNA-se II). Achtelik et al. **Folia Biol (Krakow)** 20:293-305, 1972

Genetically controlled alterations in the rate degradation of phenylethanolamine N-methyltransferase. Ciaranello RD, et al.
J Biol Chem 248:5616-23, 25 Aug 73

Cytochrome P-450 from bovine adrenocortical mitochondria: an enzyme for the side chain cleav of cholesterol. I. Purification and properties. Shil M, et al. **J Biol Chem** 248:5598-604, 25 Aug

Cytochrome P-450 from bovine adrenocortical mitochondria: an enzyme for the side chain cleav of cholesterol. II. Subunit structure. Shikita M, et **J Biol Chem** 248:5605-9, 25 Aug 73

Regulation of adrenal ornithine decarboxylase adrenocorticotropic hormone and cyclic AMP Richman R, et al. **J Clin Invest** 52:2007-15, Aug

Rat adrenal 5alpha-reductase activity and the effec oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomi rats. Maynard PV, et al. **J Endocrinol** 58:7-8, Jul

Binding of prostaglandins and cytochrome P-450. Ta et al. **Prostaglandins** 4:9-16, Jul 73

Avoidance conditioning in different strains of r neurochemical correlates. Coyle JT Jr, et a **Psychopharmacologia** 31:25-34, 4 Jul 73

Long-chain acyl-CoA synthetase activity in bl platelets and some human tissues. Farstad M, et **Scand J Clin Lab Invest** 31:205-11, Mar 73

The effect of bee venom on serum corticosterone le and adrenal mitochondrial cytochrome P-450 in int and hypophysectomized rats. Alfano JA, et **Toxicon** 11:101-2, Jan 73

Effects of aminoglutethimide (Elipten Ciba), a ster biosynthesis blocking agent, on adrenal glands Cushing's syndrome. Motlík K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 197

[Histochemical study of various adrenal glan enzymatic activities in chick embryos, normal treated with parathion: special analysis of anticholinesterasic action of this organophosphor compound] Meiniel R.
C R Soc Biol (Paris) 166:1712-5, 1972 (F

[Enzyme histochemical studies on metabolism steroids and steroid conjugates in the juxtamedull X-zone of the mouse] Kind R, et al.
Acta Histochem (Jena) 45:331-56, 1973 (Eng. Abs (G

[Enzyme defects in steroid hormone biosynthe Graef V.
Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 r (G

[Effect of reserpine on the hypothalamo-hypophyseo-adrenal system of the ra the prenatal and early postnatal periods] Skebel'sk IuB, et al.
Probl Endokrinol (Mosk) 19:52-7, May-Jun 73 (E Abstr.) (R

[Effect of 25 Mev betatron irradiation on the activit certain enzymes of the liver and corticoadre system in rats] Zhikhareva AI, et al.
Radiobiologiia 12:816-8, Nov-Dec 72 (Eng. Abs (R

GROWTH & DEVELOPMENT

Morphology of the human adrenarche. Dhom
Acta Endocrinol [Suppl] (Kbh) 173:27, 1973

LIBRARY U. OF I., URBANA-CHAMPAIGN

Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973
Modification of the length of gestation in swine after the administration of ACTH to the fetus] Bosc MJ.
C R Acad Sci [D] (Paris) 276:3183-6, 13 Jun 73 (Fre)
The normal and disturbed prepuberal development of the human testis] Städtler F.
Verocff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) (Ger)

IMMUNOLOGY

roduction of antibodies to bovine adrenal tyrosine hydroxylase: cross-reactivity studies with other pterin-dependent hydroxylases. Lloyd T, et al.
Mol Pharmacol 9:438-44, Jul 73
yperkalaemic periodic paralysis associated with Addison's disease. Schwieger AC.
Proc Aust Assoc Neurol 9:63-6, 1973

INJURIES

lemorrhages into the adrenals (a review of the oreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)

INNERVATION

eactive changes in the rat adrenals following oentgen irradiation] Kimbarovskaia EM, et al.
adiobiologiia 12:916-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

METABOLISM

e role of a feedback mechanism in the regulation of dosterone secretion in the rat. Debreceni L, et al.
cta Endocrinol (Kbh) 73:282-8, Jun 73
vitro corticosteroid synthesis in rat adrenals. I. esults indicating (an) alternative pathway(s) of nthesis without the intermediates cholesterol, egnenolone and progesterone. Diedrichsen G, et al.
cta Endocrinol [Suppl] (Kbh) 173:73, 1973
vitro corticosteroid synthesis in rat adrenals. II. idence for (an) alternative pathway(s) of synthesis. edrichsen G, et al.
ta Endocrinol [Suppl] (Kbh) 173:74, 1973
influence of ACTH and HCG on the steroidogenesis fetal adrenals in vitro. Lehmann WD, et al.
ta Endocrinol [Suppl] (Kbh) 173:75, 1973
roxylation of delta4-3-oxo-C19-steroids at position in the human fetus. Lisboa BP, et al.
ta Endocrinol [Suppl] (Kbh) 173:139, 1973
ct of self-stimulation on adrenocortical activity in rat. Sadowski B, et al.
ta Physiol Acad Sci Hung 42:157-62, 1972
ian, adrenal, and peripheral testosterone levels in polycystic ovary syndrome. Stahl NL, et al.
J Obstet Gynecol 117:194-200, 15 Sep 73
ultrastructure of the adrenal zona glomerulosa of s on patassium-supplemented or sodium-depleted ts. Domoto DT, et al. Am J Pathol 72:433-46, Sep 73
bolic regulation of steroid steroidogenesis in ated adrenal and adrenocortical carcinoma cells of The incorporation of (20S)-20-(7- 3 ydroxycholesterol into deoxycorticosterone and ticosterone. Sharma RK, et al.
h Biochem Biophys 156:560-2, Jun 73
cholamines in the lymphatic organs in rats with adjuvant polyarthritis and after treatment with cysteine hydrochloride. Michalak E, et al.
h Immunol Ther Exp (Warsz) 21:491-9, 1973
ne and catecholamine interaction. A review. th RB. Arch Otolaryngol 98:139-41, Aug 73 (16 ref.)
bolism of androst-4-ene-3,17-dione by subcellular tions of rat adrenal tissue with particular rence to microsomal C19-steroid ha-reductase. Maynard PV, et al.
hem J 132:283-91, Feb 73
lasma transport and metabolism of retinoic acid in rat. Smith JE, et al. Biochem J 132:821-7, Apr 73
oselective inhibition of steroid eta-hydroxylation in ox and sheep adrenocortical chondria: comparison of metyrapone and the tiomers of 2-(4-aminophenyl)-2-phenethylamine 7-12185). Hewick DS, et al.
hem Pharmacol 22:1653-9, 1 Jul 73
rties of corticosterone-binding macromolecules from rat brain cytosol. Grosser BI, et al.
Brain Res 57:387-95, 27 Jul 73
Metabolic fate of 57Co-labeled hydroxocobalamin and 57Co-labeled 5,6-dimethylbenzimidazolylcobamide coenzyme in rats. Kinoshita K, et al.
Chem Pharm Bull (Tokyo) 21:1291-4, Jun 73
Changes in fetal steroid metabolism with age. Villee DB. Clin Pharmacol Ther 14:705-13, Jul-Aug 73
The synthesis of corticosterone by the adrenal tissue of the lizard Tiliquarugosa. Bourne AR, et al.
Comp Biochem Physiol [B] 45:275-7, 15 May 73
The catecholamine content of the adrenal glands of frogs as an index of phylogenetic relationships. Robinson RL, et al.
Comp Gen Pharmacol 3:167-70, Jun 72
The relationship of rapidly labeled adrenal RNA synthesis to steroidogenesis in a superfusion system: effect of ACTH. Castells S, et al.
Endocrinology 93:285-91, Aug 73
Adrenal cells in tissue culture. X. On the mechanism of the stimulation of steroidogenesis by cyclic cytidine monophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73
Reversible inhibition of ACTH-induced corticosteroid release by cycloheximide: evidence for an unidentified cellular messenger. Rubin RP, et al.
Endocrinology 93:575-80, Sep 73
Regulation of steroidogenesis by ACTH in a superfusion system for isolated adrenal cells. Schulster D. Endocrinology 93:700-4, Sep 73
Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al.
Endocrinology 93:517-26, Sep 73
Cardiovascular profile of BR 750 (2,6-dichlorobenzylideneaminoguanidine acetate). Saini RK, et al. Farmaco [Prat] 28:359-87, Jul 73
In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 21:99-107, Aug 73
Physical activity and ageing--a survey of Soviet literature. II. The effect of exercise on the various systems of the organism. Gore IY.
Gerontol Clin (Basel) 14:70-7, 1972 (34 ref.)
The role of 18-hydroxy-11-deoxycorticosterone as a precursor in human adrenal tissue in vitro. Grekin RJ, et al. J Clin Endocrinol Metab 37:261-4, Aug 73
The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al.
J Clin Endocrinol Metab 37:183-9, Aug 73
Methodological refinements in the redox bioassay for adrenocorticotrophin. Alaghband-Zadeh J, et al.
J Endocrinol 58:xix, Jul 73
The effect of increased K+ concentration and serotonin on cyclic AMP and corticosterone output by dispersed adrenal zona glomerulosa cells. Albano JD, et al. J Endocrinol 58:xi, Jul 73
Intermediates in the biosynthesis of oestrogen by the hamster adrenal. Rubens R, et al.
J Endocrinol 58:x, Jul 73
Aldosterone producing capacity of adrenal glands of sodium-restricted pregnant rats. Khokhar SA, et al.
J Nutr 103:1126-30, Aug 73
Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al.
Jap J Pharmacol 23:349-54, Jun 73
Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73
Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973
'Systemic effects' during the growth of malignant experimental tumors. SIgnificance of unspecific organ changes in the host organism as 'inherent factors' of the experiment. Erti N.
Oncology 27:415-29, 1973
Interrelations between individual differences in excitability levels, habituation-rates and in the incorporation of 14C-leucine into brain and nonbrain proteins in rats. Lát J, et al.
Physiol Behav 11:131-7, Aug 73
Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al.
Prostaglandins 3:629-46, May 73 (35 ref.)
Adrenal response to synthetic adrenocorticotrophic hormone during pregnancy and after delivery, with special reference to pre-eclamptic and hypertensive pregnancy. Kauppila A, et al.
Scand J Clin Lab Invest 31:179-85, Mar 73

Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972
[Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) **(Rus)**
[The concentration of adrenalin and noradrenalin in the adrenals in experimental mechanical jaundice] Vasil'chuk IuM. **Klin Khir** 12:40-3, Dec 72 **(Rus)**
[Metabolic changes in lipids following prolonged gamma-irradiation of rats] Ahlers I, et al.
Radiobiologiia 13:116-9, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Morphology of the human adrenarche. Dhom G.
Acta Endocrinol [Suppl] (Kbh) 173:27, 1973
Transplantable myeloid rat leukaemia induced by 7,12-dimethylbenz(a)anthracene. Gál F, et al.
Acta Haematol (Basel) 49:281-90, 1973
Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al.
Arch Pathol 96:175-8, Sep 73
Effects of hypothyroidism and progesterone on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. **Br J Cancer** 28:161-72, Aug 73
Septicaemia in the foal. A review of 61 cases. Platt H.
Br Vet J 129:221-9, May-Jun 73
Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril** 24:677-86, Sep 73
Histochemical investigations on the mouse suprarenal gland in the process of regeneration. I. Behaviour of acid phosphatase (AP-ase), E-600 resistant esterase and acid desoxyribonuclease (DNA-se II). Achtelik W, et al. **Folia Biol (Krakow)** 20:293-305, 1972
The histopathology of Conn's adenoma and of attached adrenal cortex. Maltinti G, et al.
Folia Endocrinol (Roma) 26:85-101, Apr 73
Use of the diazosulfanilic acid, pH 1 azure A sequence on adrenal medulla and the effects of prior oxidation and reduction on the reaction in several species. Lillie RD, et al. **J Histochem Cytochem** 21:448-54, May 73
Rapid death in childhood. Neff JM, et al.
J Pediatr 83:679-84, Oct 73
Studies on the physical dependence liability of analgesics. 4. Electron microscopic study on intramitochondrial structure of zona fasciculata cells in adrenal cortex in codeine addicted rats. Yano I, et al. **Jap J Pharmacol** 23:313-9, Jun 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Effect of temporary ischemia on the fine structure of the rat adrenal cortex. Horvath E, et al.
Pathol Eur 8:43-59, 1973
Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Miyazaki G, et al.
Tohoku J Exp Med 109:365-75, Apr 73
Polyarteritis in the dog: a case report. Kelly DF, et al.
Vet Rec 92:363-6, 7 Apr 73
[Morphological changes during experimental hypercholesterolemia] Rossouw DJ, et al.
S Afr Med J 47:1460-6, 18 Aug 73 (Eng. Abstr.) **(Afr)**
[Nutritional muscular dystrophy (NMD) in foals] Schougaard H, et al.
Nord Vet Med 24:67-84, Feb 72 (Eng. Abstr.) **(Dan)**
[Some cases of Cushings syndrome in the dog] Willeberg P, et al.
Nord Vet Med 24:113-22, Mar 72 (Eng. Abstr.) **(Dan)**
[Morphological aspects of consumption coagulopathies. Apropos of 36 cases] Fabre J, et al.
Arch Anat Pathol (Paris) 21:211-24, Sep 73 (Eng. Abstr.) **(Fre)**
[Pathologic anatomy of cytomegaly] Seifert G.
Klin Wochenschr 51:533-40, 1 Jun 73 (65 ref.) (Eng. Abstr.) **(Ger)**
[Light and operative stresses and the histological changes in the adrenal cortex] Nishiyama W.
Yonago Acta Med 16:9-22, Feb 72 (Eng. Abstr.) **(Ger)**
[Morphological changes in the adrenal glands during the combined effect of thermal burns and x-radiation] Kerova AN, et al.
Radiobiologiia 13:56-60, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The regulation of monoamine oxidase activity adrenal cortical steroids. Parvez H, et al.
Acta Endocrinol (Kbh) 73:509-17, Jul 73
In vivo "radioimmunoassay" of aldosterone in ra Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
Maternal and fetal factors affecting the growth a function of the rat placenta. Petropoulos E.
Acta Endocrinol [Suppl] (Kbh) 176:3-69, 1973
Effect of oxotremorine and arecoline on the infer eyelid of the rat. Phan DV, et al.
Acta Physiol Acad Sci Hung 42:185-93, 1972
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in r pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
Neuroendocrine aspects of thermoregulation. Gale
Annu Rev Physiol 35:391-430, 1973 (120 ref.
L-tryptophan inhibition of tyrosine aminotransfer degradation in rat liver in vivo. Cihak A, et
Arch Biochem Biophys 156:188-94, May 73
Receptors for glucocorticoids in lung tissue. Toft D al. **Arch Biochem Biophys** 152:464-9, Aug 73
Effects of weaning age and adult handling on avoida conditioning, open-field behavior, and plasma corticosterone of adult rats. Joffe JM, et a
Behav Biol 9:235-44, Aug 73
Effects of ACTH, adrenalectomy and time of day emotional activity of the rat. Ley KF, et
Behav Biol 9:111-5, Jul 73
The mouse liver aldehyde oxidase locus (Aox). Wat JG, et al. **Biochem Genet** 6:195-204, Apr 72
Enzyme activity changes relevant to the control tryptophan metabolism. Curzon G.
Biochem J 130:50P-51P, Nov 72
Effect of hydrocortisone on the metabolism L-ascorbic acid in rats. Majumder PK, et a
Biochem Pharmacol 22:1829-33, 1 Aug 73
Effect of olivomycin on the induced synthesis tyrosine aminotransferase and tryptophan oxygen in rat liver. Popov PG, et al.
Biochem Pharmacol 22:1526-9, 15 Jun 73
Antidepressants and liver tryptophan pyrrolas activity. Samsonova ML, et al.
Biochem Pharmacol 22:1499-507, 15 Jun 73
Interaction of glucocorticoids with rat liver nucle Role of the cytosol proteins. Kalimi M, et
Biochemistry 12:3365-71, 28 Aug 73
Specific cytoplasmic glucocorticoid hormone recep in lactating mammary glands. Shyamala G.
Biochemistry 12:3085-90, 31 Jul 73
Corticosteroid-dependent cycloheximide-evoked increase of sucrase and maltase in the jejunum suckling rats. Koldovský O, et al.
Biochim Biophys Acta 309:370-8, 6 Jun 73
Non-shivering thermogenesis and its thermoregulat significance. Janský L.
Biol Rev 48:85-132, Feb 73 (264 ref.)
Reduction by 9-tetrahydrocannabinol in the bl pressure of hypertensive rats bearing regenera adrenal glands. Birmingham MK.
Br J Pharmacol 48:169-71, May 73
Morphine analgesia, tolerance and physical dependence in the adrenalectomized rat. We
Br J Pharmacol 47:693-9, Apr 73
Assessment of adrenal function in dogs. Campbell et al. **Br Vet J** 129:134-45, Mar-Apr 73
Disturbances of electrical activity of the brain indu by the spirolactone derivative potassium canreno Simon O, et al.
Electroencephalogr Clin Neurophysiol 35:165-71, 73
Effects of ACTH and its synthetic analogues on w balance in rats. Tanaka A, et al.
Endocrinol Jap 20:39-49, Feb 73
Role of estrogen and progesterone in facilitating release in 4-day cyclic rats. Mann DR, et
Endocrinology 93:694-9, Sep 73
The effect of androgenic hormones on the redu nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. M RJ, et al. **Endocrinology** 93:581-92, Sep 73
The gonadotropin-primed rat: a model for tes agents that influence steroid biosynthesis. Sherv OD, et al. **Endocrinology** 93:723-8, Sep 73
Effect of steroid and other hormones on lung rem

LIBRARY U. OF L. URBANA-CHAMPAIGN

of noradrenaline. Iwasawa Y, et al.
Eur J Pharmacol 22:367-70, Jun 73
Studies on proliferative activity of adrenal cortex in liver regeneration following partial hepatectomy. Danz M, et al. **Exp Pathol (Jena)** 6:225-8, 1972
Histochemical investigations on the mouse suprarenal gland in the process of regeneration. II. Behaviour of adenosinotriphosphatase (ATP-ase) and alkaline phosphatase (ALP-ase). Achtelik W, et al.
Folia Biol (Krakow) 20:307-14, 1972
Histochemical investigations on the mouse suprarenal gland in the process of regeneration. I. Behaviour of acid phosphatase (AP-ase), E-600 resistant esterase and acid desoxyribonuclease (DNA-se II). Achtelik W, et al. **Folia Biol (Krakow)** 20:293-305, 1972
lipolytic activity of rat pituitaries in vitro. Lis M, et al.
Horm Metab Res 5:253-8, Jul 73
me and level of increased plasma corticosterone necessary for induction of liver tyrosine minotransferase in rats subjected to trauma. Németh S, et al. **Horm Metab Res** 5:283-5, Jul 73
imulation of lipolysis and calcium accumulation by arathyroid hormone in rat adipose tissue in vitro fter adrenalectomy and administration of high doses f cortisone acetate. Werner S, et al.
Horm Metab Res 5:292-6, Jul 73
fect of whole-body x-irradiation on plasma-protein ynthesis: role of adrenals. Nadkarni GS, et al.
nt J Radiat Biol 23:469-76, May 73
udies on the circadian rhythm of hosphoenolpyruvate carboxykinase activity in rats. Mechanism of circadian increase in liver enzyme ith special reference to hormonal and dietary ffects. Suda M, et al.
Biochem (Tokyo) 73:727-38, Apr 73
e effects of hypophysectomy and the paradoxical ffect of human chorionic gonadotrophin on the ability of hamster spermatozoa. Lubicz-Nawrocki M, et al. **J Endocrinol** 58:177-84, Aug 73
renocortical function in the Australian brush-tailed ossum Trichosurus vulpecula (Kerr). Than KA, et al.
Endocrinol 58:97-109, Jul 73
osine-alpha-ketoglutarate aminotransferase tivity in rat liver after spinal cord section. ptzarova KI, et al. **J Neurochem** 21:291-300, Aug 73
dy of the therapeutic and toxic effects of ouabain by multaneous observations on the excised and ood-perfused sinoatrial node and papillary muscle eparations and the in situ heart of dogs. Hashimoto et al. **J Pharmacol Exp Ther** 186:463-71, Sep 73
i-edema and analgesic properties of lta9-tetrahydrocannabinol (THC). Sofia RD, et al.
Pharmacol Exp Ther 186:646-55, Sep 73
cts of ochratoxin A on tissue glycogen levels in s. Suzuki S, et al. **Jap J Pharmacol** 23:415-9, Jun 73
of the proximal tubule in the regulation of urinary lium excretion. Knox FG.
yo Clin Proc 48:565-73, Aug 73
impact of radioimmunoassay on our understanding human adrenal physiology. West CD, et al.
tabolism 22:995-1002, Aug 73 (36 ref.)
enal function in rats given PMS before puberty: um corticosterone values. Ramaley JA, et al.
roendocrinology 12:257-71, 1973
ing experience, stress and adrenocorticosteroids the rhesus monkey. Meyer JS, et al.
ysiol Behav 8:339-43, Feb 72
al and hormonal influences on eating, taste ferences, and body weight of hamsters. Zucker I, al. **Physiol Behav** 8:101-11, Jan 72
ct of the antiandrogens cyproterone and roterone acetate on male rat adrenals. Stárka L, et **Physiol Bohemoslov** 21:233-8, May 72
dian uptake of H-thymidine in the rat incisor er the influence of cortisone. Kiely ML, et al.
Soc Exp Biol Med 143:844-9, Jul 73
onses of the hypothalamic-pituitary-adrenal and adal systems to head x-irradiation. Shimizu T, et **Tohoku J Exp Med** 109:155-61, Feb 73
ofluorometric verification of lowered monoamine ls in the external region of the medial eminence in bi-adrenalectomized rat] Duvernoy J, et al.
Acad Sci [D] (Paris) 276:3441-4, 25 Jun 73 **(Fre)**
age from childhood to adolescence. 3. Hormonal ct] Bertrand J.
l Actuels Endocrinol Nutr 16:73-100, 3 May 73 **(Fre)**
nal medullectomy and the water-electrolyte nce] Higuchi K.
go Acta Med 16:176-87, Feb 73 **(Ger)**

[Effect of adrenalectomy on the development of delayed hypersensitivity in guinea pigs] Valueva TK, et al.
Patol Fiziol Eksp Ter 16:71-3, Nov-Dec 72 (Eng. Abstr.) **(Rus)**
[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al.
Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
Disturbance of the feedback mechanism of the adrenocortical system in the alloxan diabetic rat. Langholz J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:31, 1973
Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73
The effect of adrenalectomy on the development of the obese-hyperglycemic syndrome in ob-ob mice. Solomon J, et al. **Endocrinology** 93:510-2, Aug 73
Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril** 24:677-86, Sep 73
Endocrine & metabolic response to electric shock in rabbits. II. Changes in cortisone & insulin treated rabbits. Singh AK, et al.
Indian J Exp Biol 10:412-4, Nov 72
Endocrine & metabolic response to electric shock in rabbits. I. Normal sequences. Singh AK, et al.
Indian J Exp Biol 10:409-11, Nov 72
The adrenals and gonads of congenitally thymusless nude mice. Shire JG, et al. **J Endocrinol** 58:vii, Jul 73
Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)
Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al.
Obstet Gynecol 42:429-40, Sep 73
'Systemic effects' during the growth of malignant experimental tumors. Significance of unspecific organ changes in the host organism as 'inherent factors' of the experiment. Ertl N.
Oncology 27:415-29, 1973
[Transitory diabetes in the course of 2 successive pregnancies in an adrenalectomized patient] Lederer J, et al.
Ann Endocrinol (Paris) 33:639-41, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Mineralocorticoids and essential hypertension] Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**
[Function of the sympathetic adrenal system in essential hypertension] Lohmann FW, et al.
Dtsch Med Wochenschr 98:1539-41, 11 Aug 73 **(Ger)**
[Influence of bilateral adrenalectomy on acute galactosamine lesions in the rat] Lesch R, et al.
Verh Dtsch Ges Inn Med 78:1380-3, 1972 **(Ger)**
[Behavior of the circadian rhythm of adrenal cortex secretion in anorexia nervosa in relation to the duration of amenorrhea] Angeli A, et al.
Folia Endocrinol (Roma) 25:153-60, Apr 72 (Eng. Abstr.) **(Ita)**
[Adrenal glycoactive function in congestive heart failure. II. Nicthemeral rhythm of plasma and urinary cortisol] Bernardi P, et al.
Folia Endocrinol (Roma) 25:115-26, Apr 72 (Eng. Abstr.) **(Ita)**
[Adrenal glycoative function in congestive heart failure. I. Changes in blood and urinary cortisol and the ACTH loading test] Bernardi P, et al.
Folia Endocrinol (Roma) 25:95-114, Apr 72 **(Ita)**
[Reaction to brain concussion] Kharkevich NG.
Klin Khir 2:29-31, Feb 73 **(Rus)**
[Change in the function of the adrenal cortex after operations in connection with malignant neoplasms in the maxillofacial region] Shcherbatiuk DI.
Stomatologiia (Mosk) 52:97-100, May-Jun 73 **(Rus)**
[State of the neuro-humoral regulation in peptic ulcer] Klykov NV, et al.
Ter Arkh 45:57-61, Apr 73 (Eng. Abstr.) **(Rus)**
[Role of the adrenals in the development of post-stress eosinopenia] Makarov IA.
Ter Arkh 44:53-8, Nov 72 (Eng. Abstr.) **(Rus)**

[Functional state of the adrenal cortex in cancer and adenoma of the prostate in the process of estrogen therapy] Klepikov FA, et al.
Urol Nefrol (Mosk) 37:38-42, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[Role of the glucocorticoid function of the adrenal cortex in the recurrence of ulcer disease] Chernin VV. **Vrach Delo** 2:12-6, Feb 73 (Eng. Abstr.) **(Rus)**

[Study of the suprarenal function in different obstetric complications. Its relation to feto-placental unity] Rodríguez-Argüelles J, et al.
Gac Med Mex 105:513-26, May 73 **(Spa)**

RADIATION EFFECTS

Radiation dosimetry of 131I-19-iodocholesterol. Kirschner AS, et al. **J Nucl Med** 14:713-7, Sep 73

The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al.
Tohoku J Exp Med 110:161-6, Jun 73

[Reactive changes in the rat adrenals following roentgen irradiation] Kimbarovskaia EM, et al.
Radiobiologiia 12:916-9, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[Effect of 25 Mev betatron irradiation on the activity of certain enzymes of the liver and corticoadrenal system in rats] Zhikhareva AI, et al.
Radiobiologiia 12:816-8, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

SECRETION

In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973

Study of the kinetics of aldosterone production by rat adrenal glands in vitro. Preliminary report. Margoulies M, et al.
Ann Endocrinol (Paris) 33:632-4, Nov-Dec 72

Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73

Reversible inhibition of ACTH-induced corticosteroid release by cycloheximide: evidence for an unidentified cellular messenger. Rubin RP, et al.
Endocrinology 93:575-80, Sep 73

Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al.
Horm Metab Res 5:58-61, Jul 73

On the importance of a central beta-adrenoceptor site in the antiarrhythmic activity of beta-blockers. Bhargava KP. **Indian Heart J** 24:Suppl 1:157-66, Jun 72

Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. Madill D, et al. **J Endocrinol** 58:78-87, Jul 73

Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)

Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation. Shimizu T, et al. **Tohoku J Exp Med** 109:155-61, Feb 73

[Glucocorticoid function of the adrenals in terminal states in myocardial infarct] Golikov AP, et al.
Kardiologiia 13:15-20, May 73 (Eng. Abstr.) **(Rus)**

ADRENALECTOMY

The regulation of monoamine oxidase activity by adrenal cortical steroids. Parvez H, et al.
Acta Endocrinol (Kbh) 73:509-17, Jul 73

ACTH determinations before and after selective removal of pituitary adenomas in Nelson's syndrome. Espinoza A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:34, 1973

In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973

Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay. Hasan SH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:168, 1973

Maternal and fetal factors affecting the growth and function of the rat placenta. Petropoulos EA.
Acta Endocrinol [Suppl] (Kbh) 176:3-69, 1973

Effect of oxotremorine and arecoline on the inferior eyelid of the rat. Phan DV, et al.
Acta Physiol Acad Sci Hung 42:185-93, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972

L-tryptophan inhibition of tyrosine aminotransfera degradation in rat liver in vivo. Cihak A, et
Arch Biochem Biophys 156:188-94, May 73

Receptors for glucocorticoids in lung tissue. Toft D, al. **Arch Biochem Biophys** 152:464-9, Aug 73

Immunoglobulin levels in Cushing's syndrome. Kasperlik-Zaluska A, et al.
Arch Immunol Ther Exp (Warsz) 21:431-4, 1

Thrombocytopenia from metastatic carcinoma of breast. Effective managements of patients with t complication. Sugarbaker PH, et al.
Arch Surg 107:523-7, Oct 73

Effects of ACTH, adrenalectomy and time of day emotional activity of the rat. Ley KF, et
Behav Biol 9:111-5, Jul 73

The mouse liver aldehyde oxidase locus (Aox). Wat JG, et al. **Biochem Genet** 6:195-204, Apr 72

Effect of hydrocortisone on the metabolism L-ascorbic acid in rats. Majumder PK, et a
Biochem Pharmacol 22:1829-33, 1 Aug 73

Effect of olivomycin on the induced synthesis tyrosine aminotransferase and tryptophan oxygen in rat liver. Popov PG, et al.
Biochem Pharmacol 22:1526-9, 15 Jun 73

Antidepressants and liver tryptophan pyrrolas activity. Samsonova ML, et al.
Biochem Pharmacol 22:1499-507, 15 Jun 73

Interaction of glucocorticoids with rat liver nuclei Role of the cytosol proteins. Kalimi M, et
Biochemistry 12:3365-71, 28 Aug 73

Specific cytoplasmic glucocorticoid hormone recept in lactating mammary glands. Shyamala G.
Biochemistry 12:3085-90, 31 Jul 73

Corticosteroid-dependent cycloheximide-evoked increase of sucrase and maltase in the jejunum suckling rats. Koldovský O, et al.
Biochim Biophys Acta 309:370-8, 6 Jun 73

Morphine analgesia, tolerance and physical dependence in the adrenalectomized rat. Wei
Br J Pharmacol 47:693-9, Apr 73

Carbazochrome salicylate as a parenteral hemosta tonsillectomy. McLean WM, et al.
Can J Surg 16:333-4, Sep 73

Disturbances of electrical activity of the brain indu by the spirolactone derivative potassium canreno Simon O, et al.
Electroencephalogr Clin Neurophysiol 35:165-71, 73

Production of steroids in vivo by regenerated adre glands of hypertensive and normotensive ra Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73

Role of estrogen and progesterone in facilitating release in 4-day cyclic rats. Mann DR, et
Endocrinology 93:694-9, Sep 73

The effect of androgenic hormones on the redu nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Mo RJ, et al. **Endocrinology** 93:581-92, Sep 73

The effect of adrenalectomy on the development of obese-hyperglycemic syndrome in ob-ob mice Solomon J, et al. **Endocrinology** 93:510-2, Aug

Effect of steroid and other hormones on lung remo of noradrenaline. Iwasawa Y, et al.
Eur J Pharmacol 22:367-70, Jun 73

Histochemical investigations on the mouse suprare gland in the process of regeneration. I. Behaviou acid phosphatase (AP-ase), E-600 resistant ester and acid desoxyribonuclease (DNA-se II). Achtelik et al. **Folia Biol (Krakow)** 20:293-305, 1972

Histochemical investigations on the mouse suprare gland in the process of regeneration. II. Behaviou adenosinotriphosphatase (ATP-ase) and alkali phosphatase (ALP-ase). Achtelik W, et al.
Folia Biol (Krakow) 20:307-14, 1972

Disseminated carcinoma of the breast: principle treatment. Kaufman S. **Geriatrics** 28:135-8, Oct

Lipolytic activity of rat pituitaries in vitro. Lis M, e
Horm Metab Res 5:253-8, Jul 73

Time and level of increased plasma corticoster necessary for induction of liver tyrosine aminotransferase in rats subjected to trauma. Nén S, et al. **Horm Metab Res** 5:283-5, Jul 73

Stimulation of lipolysis and calcium accumulation parathyroid hormone in rat adipose tissue in v after adrenalectomy and administration of high d

LIBRARY U. OF L. URBANA-CHAMPAIGN

of cortisone acetate. Werner S, et al.
Horm Metab Res 5:292-6, Jul 73
Effect of whole-body x-irradiation on plasma-protein synthesis: role of adrenals. Nadkarni GS, et al.
Int J Radiat Biol 23:469-76, May 73
Studies on the circadian rhythm of phosphoenolpyruvate carboxykinase activity in rats. I. Mechanism of circadian increase in liver enzyme with special reference to hormonal and dietary effects. Suda M, et al.
J Biochem (Tokyo) 73:727-38, Apr 73
lenal adaptation to a high potassium intake. The role of hydrogen ion. Tannen RL, et al.
J Clin Invest 52:2089-101, Sep 73
he effect of adrenalectomy on blood corticotrophin in the rat. Buckingham JC, et al. **J Endocrinol** 58:8, Jul 73
he effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. **J Endocrinol** 58:177-84, Aug 73
ffects of adrenalectomy and-or deficiency of pituitary prolactin secretion on initiation and maintenance of actation in mice. Nagasawa H, et al.
J Endocrinol 58:67-73, Jul 73
radioimmunoassay for beta-melanocyte-stimulating ormone in human plasma. Thody AJ, et al.
J Endocrinol 58:263-73, Aug 73
rosine-alpha-ketoglutarate aminotransferase ctivity in rat liver after spinal cord section. 'aptzarova KI, et al. **J Neurochem** 21:291-300, Aug 73
ffects of adrenalectomy and of hypophysectomy on he development of sound-withdrawal hypertension. larwood JF, et al.
Pharm Pharmacol 25:96-100, Feb 73
udy of the therapeutic and toxic effects of ouabain by multaneous observations on the excised and lood-perfused sinoatrial node and papillary muscle reparations and the in situ heart of dogs. Hashimoto , et al. **J Pharmacol Exp Ther** 186:463-71, Sep 73
ti-edema and analgesic properties of elta9-tetrahydrocannabinol (THC). Sofia RD, et al.
Pharmacol Exp Ther 186:646-55, Sep 73
ects of ochratoxin A on tissue glycogen levels in ts. Suzuki S, et al. **Jap J Pharmacol** 23:415-9, Jun 73
e of the proximal tubule in the regulation of urinary dium excretion. Knox FG.
ayo Clin Proc 48:565-73, Aug 73
ual and hormonal influences on eating, taste eferences, and body weight of hamsters. Zucker I, al. **Physiol Behav** 8:101-11, Jan 72
adian uptake of H-thymidine in the rat incisor der the influence of cortisone. Kiely ML, et al.
oc Soc Exp Biol Med 143:844-9, Jul 73
operative approach to the left adrenal gland. Nash , et al. **Surg Gynecol Obstet** 137:670-2, Oct 73
nical aspects, diagnosis and treatment of rmonally active tumors of the adrenal cortex] grafski STr, et al.
irurgiia (Sofiia) 26:134-8, 1973 (Eng. Abstr.) **(Bul)**
nsitory diabetes in the course of 2 successive gnancies in an adrenalectomized patient] Lederer et al.
n Endocrinol (Paris) 33:639-41, Nov-Dec 72 (Eng. str.) **(Fre)**
rofluorometric verification of lowered monoamine els in the external region of the medial eminence in bi-adrenalectomized rat] Duvernoy J, et al.
Acad Sci [D] (Paris) 276:3441-4, 25 Jun 73 **(Fre)**
ma corticoid level following administration of dnisolone and prednisolone acetate as well as the avior of eosinophils in the dog] Claussen C, et al.
h Exp Veterinaermed 26:1041-51, Dec 72 (Eng. tr.) **(Ger)**
ical studies of carbohydrate and protein abolism using C1402 expiratory measurements] ibitt D.
iobiol Radiother (Berl) 14:273-9, 1973 (Eng. tr.) **(Ger)**
ence of bilateral adrenalectomy on acute ctosamine lesions in the rat] Lesch R, et al.
Disch Ges Inn Med 78:1380-3, 1972 **(Ger)**
nalectomy in treatment of Cushing's disease] oczko T.
Przegl Chir 45:1153-60, Aug 73 (20 ref.) **(Pol)**
chromocytoma with permanent arterial rtension and paroxysmal crises operated on and d. (Apropos of a clinical case)] Damian A, et al.
Cercet Endocrinol 24:327-30, 1973 **(Rum)**
effect of adrenalectomy and administration of costeroids on the fibrinolytic activity of complex heparin compounds in the blood during immobilization] Kudriashov BA, et al.
Fiziol Zh SSSR 59:1108-13, Jul 73 (Eng. Abstr.) **(Rus)**
[Effect of transplantation of human corticosteroma in a millipore diffusion chamber on the development of adrenal insufficiency in laboratory animals] Kogan AKh, et al.
Patol Fiziol Eksp Ter 16:74-6, Nov-Dec 72 (Eng. Abstr.) **(Rus)**
[Effect of adrenalectomy on the development of delayed hypersensitivity in guinea pigs] Valueva TK, et al.
Patol Fiziol Eksp Ter 16:71-3, Nov-Dec 72 (Eng. Abstr.) **(Rus)**
[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al.
Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Study of the suprarenal function in different obstetric complications. Its relation to feto-placental unity] Rodríguez-Argüelles J, et al.
Gac Med Mex 105:513-26, May 73 **(Spa)**

PITUITARY-ADRENAL FUNCTION TESTS

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 73
Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al.
Acta Paediatr Acad Sci Hung 13:359-65, 1972
Assessment of adrenal function in dogs. Campbell JR, et al. **Br Vet J** 129:134-45, Mar-Apr 73
A case of posttraumatic hypopituitarism. Kanayama Y, et al. **Endocrinol Jap** 19:517-23, Dec 72
Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72
Physical activity and ageing--a survey of Soviet literature. II. The effect of exercise on the various systems of the organism. Gore IY.
Gerontol Clin (Basel) 14:70-7, 1972 (34 ref.)
The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. Christy NP. **J Chronic Dis** 26:261-4, May 73
Selective hypopituitarism. Impaired cell-mediated immunity and chronic mucocutaneous candidiasis. Arvanitakis C, et al. **JAMA** 225:1492-5, 17 Sep 73
[Effect of ethambutol on the adrenal cortex function. Experimental study] Lukjanova LA.
G Ital Chemioter 19:36-7, Jan-Jun 72 **(Fre)**
[Effect of ethambutol and rifampicin on adrenal medulla function. Experimental study] Tichomirova NP. **G Ital Chemioter** 19:38-40, Jan-Jun 72 **(Fre)**
[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 **(Fre)**
[Adrenal cortex function tests in children with rheumatic fever] Tsvetkova V, et al.
Med Monatsschr 27:279-80, Jun 73 **(Ger)**
[Behavior of the circadian rhythm of adrenal cortex secretion in anorexia nervosa in relation to the duration of amenorrhea] Angeli A, et al.
Folia Endocrinol (Roma) 25:153-60, Apr 72 (Eng. Abstr.) **(Ita)**
[Adrenal glycoative function in congestive heart failure. I. Changes in blood and urinary cortisol and the ACTH loading test] Bernardi P, et al.
Folia Endocrinol (Roma) 25:95-114, Apr 72 **(Ita)**
[Adrenal glycoactive function in congestive heart failure. II. Nicthemeral rhythm of plasma and urinary cortisol] Bernardi P, et al.
Folia Endocrinol (Roma) 25:115-26, Apr 72 (Eng. Abstr.) **(Ita)**
[Some tests for the examination of adrenal gland functions] Ripa R.
G Clin Med 53:449-58, Sep 72 (Eng. Abstr.) **(Ita)**
[Urinary 17-ketosteroid excretion indices in healthy men and women in the use of a modified Labhart test] Kabanov MM, et al. **Lab Delo** 8:479-82, 1972 **(Rus)**
[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov

M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) (Rus)

[Experimental data on the adrenocorticolytic activity of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG.
Probl Endokrinol (Mosk) 19:71-4, May-Jun 73 (Eng. Abstr.) (Rus)

[Functional state of the adrenal cortex in malignant tumors of the ovaries during thio-TEPA treatment] Pankov AK, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

[Study of the suprarenal function in different obstetric complications. Its relation to feto-placental unity] Rodríguez-Argüelles J, et al.
Gac Med Mex 105:513-26, May 73 (Spa)

[Postpartum amenorrhea and galactorrhea syndrome associated with primary hypothyroidism. Functional study of the secretion of prolactin] Pico I, et al.
Ginecol Obstet Mex 33:251-5, Mar 73 (Eng. Abstr.) (Spa)

LIBRARY OF L. URBANA-CHAMPAIGN

1. Disorders of the Adrenal Glands

DDISON'S DISEASE

BLOOD

adioimmunological determination of plasma cortisol. Vecsei P, et al. **Experientia** 28:1104-5, 15 Sep 72
radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. Thody AJ, et al. **Endocrinol** 58:263-73, Aug 73

COMPLICATIONS

ypercalcaemia in Addison's disease. Garcia-Webb P, et al. **Med J Aust** 1:863-4, 28 Apr 73
yperkalaemic periodic paralysis associated with Addison's disease. Schwieger AC.
Proc Aust Assoc Neurol 9:63-6, 1973
ssociation of Addison's disease and yperthyroidism] Sudre Y, et al.
Lah Med 14:175-85, Mar 73 **(Fre)**
iagnostic technics in female sterility] Kremling H, et **Med Klin** 68:945-6, Jul 73 **(Ger)**
drenal gland diseases] Takahashi S.
lin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.) **(Jap)**
linical study of gynecomastia--an etiological study] oshioka I, et al.
lin Endocrinol (Tokyo) 21:427-30, Apr 73 **(Jap)**

CONGENITAL

ongenital Addison's disease] Irtel von Brenndorff A, al. **Med Monatsschr** 27:255-7, Jun 73 **(Ger)**

DIAGNOSIS

oc Aust Assoc Neurol 9:63-6, 1973
ngenital Addison's disease] Irtel von Brenndorff A, al. **Med Monatsschr** 27:255-7, Jun 73 **(Ger)**

DRUG THERAPY

adioimmunoassay for beta-melanocyte-stimulating rmone in human plasma. Thody AJ, et al. **Endocrinol** 58:263-73, Aug 73

ENZYMOLOGY

ercalcaemia in Addison's disease. Garcia-Webb P, al. **Med J Aust** 1:863-4, 28 Apr 73

IMMUNOLOGY

erkalaemic periodic paralysis associated with dison's disease. Schwieger AC.
oc Aust Assoc Neurol 9:63-6, 1973
oantibodies and autoimmune syndromes] nitrov DI.
r Boles 12:1-7, 1973 (46 ref.) (Eng. Abstr.) **(Bul)**

METABOLISM

tructive comments. Jeffery WH.
Am Pharm Assoc 13:334, Jul 73

PHYSIOPATHOLOGY

e sites for hormonal control of the pigment cell. Guire J. **Adv Biol Skin** 12:421-45, 1972

URINE

rkalaemic periodic paralysis associated with ison's disease. Schwieger AC.
Aust Assoc Neurol 9:63-6, 1973

ADENOMA, VIRILIZING

URINE

[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and after administration of drugs] Yamada S.
Folia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.) **(Jap)**

ADRENAL CORTICAL REST TUMOR

[Adrenal gland tumors] Grèze M.
Rev Infirm 23:317-21, Apr 73 **(Fre)**

DIAGNOSIS

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73

PHYSIOPATHOLOGY

[Effect of transplantation of human corticosteroma in a millipore diffusion chamber on the development of adrenal insufficiency in laboratory animals] Kogan AKh, et al.
Patol Fiziol Eksp Ter 16:74-6, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

ADRENAL GLAND DISEASES

Adrenal haemorrhage in the newborn. foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 **(Rus)**

BLOOD

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973
[Extension of the gonad-adrenal gland diagnosis by simultaneous measurement of testosterone, 5A-dihydrotestosterone and androstenediol in the human plasma] Demisch K, et al.
Verh Dtsch Ges Inn Med 78:1535-7, 1972 (Ger)
[Functional diagnosis of the hypothalamo-hypophyseal-adrenal system using radioimmunologic ACTH determination] Fehm HL, et al. **Verh Dtsch Ges Inn Med** 78:1515-8, 1972 (Ger)

CHEMICALLY INDUCED

Adrenal failure in bronchial asthma. Myles AB, et al.
Br Med J 3:294, 4 Aug 73
The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. Christy NP. **J Chronic Dis** 26:261-4, May 73

COMPLICATIONS

Obese spontaneously hypertensive rats--a model for study of atherosclerosis. Koletsky S.
Exp Mol Pathol 19:53-60, Aug 73
Iatrogenic hypertension in children with congenital adrenal hyperplasia. Kirkland JL, et al.
J Pediatr 83:687-9, Oct 73
Beckwith's syndrome with extreme organ hyperplasia. Roe TF, et al. **Pediatrics** 52:372-81, Sep 73
[Clinical characteristics of secondary polycythemia (apropos of 21 cases)] Fiere D, et al.
Sem Hop Paris 49:941-5, 14 Mar 73 (Eng. Abstr.) **(Fre)**
[Female pseudohermaphroditism due to adrenal influence] Mastrantonio P, et al.

Arch Ostet Ginecol 77:264-84, Jul-Aug 72 (Eng. Abstr.) (Ita)

[Adrenal gland diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.) (Jap)

CONGENITAL

Iatrogenic hypertension in children with congenital adrenal hyperplasia. Kirkland JL, et al.
J Pediatr 83:687-9, Oct 73

DIAGNOSIS

Abdominal mass in the newborn infant. Koop CE.
N Engl J Med 289:569-71, 13 Sep 73 (2 ref.)

[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 (Fre)

[Pseudocyst of the adrenal] Solowiejczyk M, et al.
Harefuah 84:645-7, 15 Jun 73 (Eng. Abstr.) (Heb)

[Some tests for the examination of adrenal gland functions] Ripa R.
G Clin Med 53:449-58, Sep 72 (Eng. Abstr.) (Ita)

[Scintigram of the adrenal gland] Milcu SM.
Stud Cercet Endocrinol 24:349, 1973 (Rum)

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)

DRUG THERAPY

Iatrogenic hypertension in children with congenital adrenal hyperplasia. Kirkland JL, et al.
J Pediatr 83:687-9, Oct 73

HISTORY

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)

IMMUNOLOGY

Immunoglobulin levels in Cushing's syndrome. Kasperlik-Zaluska A, et al.
Arch Immunol Ther Exp (Warsz) 21:431-4, 1973

MORTALITY

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)

PATHOLOGY

[Endotoxinemia and adrenocortical hemorrhage. Experimental study using ACTH-treated rats] Bavaud C.
Virchows Arch [Pathol Anat] 360:71-7, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Some tests for the examination of adrenal gland functions] Ripa R.
G Clin Med 53:449-58, Sep 72 (Eng. Abstr.) (Ita)

SURGERY

[Pseudocyst of the adrenal] Solowiejczyk M, et al.
Harefuah 84:645-7, 15 Jun 73 (Eng. Abstr.) (Heb)

THERAPY

Management of endocrine emergencies. Strong JA.
Practitioner 211:25-32, Jul 73

ADRENAL GLAND HYPERFUNCTION

BLOOD

Hypocholesterolaemia in hyperadrenal states. Reschini E, et al. Br Med J 3:171, 21 Jul 73

[Significance of basal blood somatotropin in man during normal and pathological states] Giordano G, et al.
Arch E Maragliano Patol Clin 28:73-99, Jan-Jun 72 (Eng. Abstr.) (Ita)

[Role of the adrenals in the development of post-stress eosinopenia] Makarov IA.
Ter Arkh 44:53-8, Nov 72 (Eng. Abstr.) (R

COMPLICATIONS

Circadian rhythm of plasma aldosterone concentrati in patients with primary aldosteronism. Kem DC, et
J Clin Invest 52:2272-7, Sep 73

Hirsutism: a review of the genetic and experimen aspects. Muller SA.
J Invest Dermatol 60:457-74, Jun 73 (150 re

[Diagnosis of sterility in practice] Taubert HD, et
Fortschr Med 91:847-50, 19 Jul 73 (G

[Diagnosis and therapy of habitual abortion related disorders in adrenal cortex function] Rozovskii
Akush Ginekol (Mosk) 48:18-23, Sep 72 (Eng. Abs (R

[State of the bone system in congenital dysfunction the adrenal cortex] Kozlov GI, et al.
Probl Endokrinol (Mosk) 19:28-31, May-Jun 73 (E Abstr.) (R

[Acromegaly, adrenal cortex hyperfunction an galactorrhea (report of a case)] Gómez Vargas E, et
Rev Invest Clin 25:181-7, Apr-Jun 73 (Eng. Abs (S

CONGENITAL

[State of the bone system in congenital dysfunctior the adrenal cortex] Kozlov GI, et al.
Probl Endokrinol (Mosk) 19:28-31, May-Jun 73 (E Abstr.) (R

DIAGNOSIS

[Diagnosis and therapy of habitual abortion relatec disorders in adrenal cortex function] Rozovskii
Akush Ginekol (Mosk) 48:18-23, Sep 72 (Eng. Abs (R

DRUG THERAPY

[State of the bone system in congenital dysfunctior the adrenal cortex] Kozlov GI, et al.
Probl Endokrinol (Mosk) 19:28-31, May-Jun 73 (E Abstr.) (R

ETIOLOGY

Endocrine complications of malignancy. Peterson et al. Nebr Med J 58:231-2, Jul 73

'Systemic effects' during the growth of malign experimental tumors. Significance of unspec organ changes in the host organism as 'inher factors' of the experiment. Ertl N.
Oncology 27:415-29, 1973

[Role of the adrenals in the development of post-str eosinopenia] Makarov IA.
Ter Arkh 44:53-8, Nov 72 (Eng. Abstr.) (R

METABOLISM

'Systemic effects' during the growth of malign experimental tumors. Significance of unspec organ changes in the host organism as 'inher factors' of the experiment. Ertl N.
Oncology 27:415-29, 1973

PHYSIOPATHOLOGY

'Systemic effects' during the growth of malign experimental tumors. Significance of unspec organ changes in the host organism as 'inher factors' of the experiment. Ertl N.
Oncology 27:415-29, 1973

THERAPY

[Diagnosis and therapy of habitual abortion relate disorders in adrenal cortex function] Rozovskii
Akush Ginekol (Mosk) 48:18-23, Sep 72 (Eng. Abs (F

ADRENAL GLAND HYPOFUNCTION

CHEMICALLY INDUCED

Beclomethasone dipropionate used as an aerosol in treatment of asthma. Pines A.
Practitioner 211:86-90, Jul 73

LIBRARY OF L. URBANA-CHAMPAIGN

drenal cortex function tests in children with heumatic fever] Tsvetkova V, et al.
ied Monatsschr 27:279-80, Jun 73 (Ger)

COMPLICATIONS

ect of adrenal insufficiency on water and electrolyte stribution in the brain. Baethmann A, et al.
Neuropathol Exp Neurol 32:394-407, Jul 73
ieties of hypothyroidism. Pittman JA Jr.
ed Ann DC 42:435-9, Sep 73
monstration of autoimmune pathological processes ring pantele-endocrine diseases and
ly-endocrinopathies. Apropos of 4 cases] De nness JL, et al.
n Endocrinol (Paris) 34:31-9, Jan-Feb 73 (Eng. str.) (Fre)
xedema coma. Study of 3 cases] Cornu P, et al.
m Hop Paris 49:1449-58, 26 Apr 73 (Eng. Abstr.) (Fre)
ses of sudden death in infants] Lachmajer M, et al.
Tyg Lek 28:1122-5, 16 Jul 73 (29 ref.) (Pol)

DIAGNOSIS

enal insufficiency in the dog: two case reports. Fox et al. J Small Anim Pract 14:167-75, Mar 73
renal cortex function tests in children with umatic fever] Tsvetkova V, et al.
d Monatsschr 27:279-80, Jun 73 (Ger)

DRUG THERAPY

n should you consider a cortisone prep? Olin R.
l Times 100:64-9, Sep 72

IMMUNOLOGY

onstration of autoimmune pathological processes ing pantele-endocrine diseases and
-endocrinopathies. Apropos of 4 cases] De ness JL, et al.
Endocrinol (Paris) 34:31-9, Jan-Feb 73 (Eng. tr.) (Fre)

METABOLISM

t of adrenal insufficiency on water and electrolyte ribution in the brain. Baethmann A, et al.
europathol Exp Neurol 32:394-407, Jul 73

PHYSIOPATHOLOGY

t of transplantation of human corticosteroma in a pore diffusion chamber on the development of nal insufficiency in laboratory animals] Kogan , et al.
Fiziol Eksp Ter 16:74-6, Nov-Dec 72 (Eng. r.) (Rus)

VETERINARY

al insufficiency in the dog: two case reports. Fox et al. J Small Anim Pract 14:167-75, Mar 73

ENAL GLAND NEOPLASMS

al gland tumors] Grèze M.
Infirm 23:317-21, Apr 73 (Fre)
miological and pathological studies of reticulum arcoma in mice (C57BL-Cne x C3H-Cne)F 1]
ll V, et al.
ri 59:97-118, Mar-Apr 73 (Eng. Abstr.) (Ita)

LOOD

ugated 5-androstene-3beta, 17beta-diol in n plasma. Demisch K, et al.
Endocrinol [Suppl] (Kbh) 173:113, 1973
testosterone levels in childhood and puberty, red by radioimmunoassay. Hasan SH, et al.
Endocrinol [Suppl] (Kbh) 173:168, 1973
topathology of Conn's adenoma and of attached l cortex. Maltinti G, et al.
Endocrinol (Roma) 26:85-101, Apr 73
ion of the gonad-adrenal gland diagnosis by aneous measurement of testosterone, ydrotestosterone and androstenediol in the plasma] Demisch K, et al.
Dtsch Ges Inn Med 78:1535-7, 1972 (Ger)

[Diagnosis of adrenal gland neoplasms causing primary aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood] Fukuchi S, et al.
Folia Endocrinol Jap 49:865-70, 20 Jun 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. J Natl Cancer Inst 51:209-24, Jul 73

COMPLICATIONS

Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al.
J Clin Invest 52:2272-7, Sep 73
Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Kans Med Soc 74:304-5 passim, Aug 73
Malignant haemangio-endothelioma associated with congenital adrenal hyperplasia. Donald D.
J Pathol 109:361-3, Apr 73
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. J Pediatr 83:432-7, Sep 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. Lancet 2:643-4, 22 Sep 73
Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Endocrine complications of malignancy. Peterson AC, et al. Nebr Med J 58:231-2, Jul 73
Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Miyazaki G, et al.
Tohoku J Exp Med 109:365-75, Apr 73
[Sarcoidosis and adrenal pheochromocytoma (apropos of a case)] Leophonte P, et al.
Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) (Fre)
[Hemoptysis revealing adrenal gland cancer with fibrinolytic activity] Testart J, et al.
Sem Hop Paris 49:1243-6, 8 Apr 73 (Eng. Abstr.) (Fre)
[Case of pheochromocytoma of the adrenal medulla with Cushing's syndrome] Iwase S, et al.
Clin Endocrinol (Tokyo) 21:531-5, May 73 (Jap)
[Adrenal gland diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.) (Jap)
[Pheochromocytoma with permanent arterial hypertension and paroxysmal crises operated on and cured. (Apropos of a clinical case)] Damian A, et al.
Stud Cercet Endocrinol 24:327-30, 1973 (Rum)
[Pheochromocytoma. Clinical and diagnostic aspects in 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) (Rum)
[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (Rus)
[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)
[A case of obliterated form of primary aldosteronism] Gerasimenko PP.
Ter Arkh 44:116-8, Nov 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

Differential diagnosis of female hirsutism, Cushing's and Conn's syndrome. Quantitative sequential scintigraphy of the adrenals with 131-J-19-iodocholesterol. Nowakowski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:171, 1973
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. J Pediatr 83:432-7, Sep 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. Lancet 2:643-4, 22 Sep 73
[Clinical aspects, diagnosis and treatment of hormonally active tumors of the adrenal cortex] Zografski STr, et al.
Khirurgiia (Sofiia) 26:134-8, 1973 (Eng. Abstr.) (Bul)
[Sarcoidosis and adrenal pheochromocytoma (apropos

of a case)] Leophonte P, et al.
Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) **(Fre)**
[Pheochromocytoma. Clinical and diagnostic aspects in 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Adrenal ablation by venous catheter. Eddy RL, et al.
Ann Intern Med 79:273-4, Aug 73
[Hemoptysis revealing adrenal gland cancer with fibrinolytic activity] Testart J, et al.
Sem Hop Paris 49:1243-6, 8 Apr 73 (Eng. Abstr.) **(Fre)**
[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and after administration of drugs] Yamada S.
Folia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.) **(Jap)**

ENZYMOLOGY

Adrenal microsomal C19-steroid 5alpha-reductase activity in the Snell transplantable rat adrenocortical tumour 494 and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al.
Biochem J 132:293-300, Feb 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73
[Plasma renin activity in patients with pheochromocytoma] Wocial B, et al.
Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial pheochromocytoma: case report and review of the literature. Funyu T, et al. **J Urol** 110:151-4, Aug 73

HISTORY

Tutankhamun: an adrenal tumour. (Tutankhamun), Weller M. **Lancet** 2:1312, 16 Dec 72

METABOLISM

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
Adrenal ablation by venous catheter. Eddy RL, et al.
Ann Intern Med 79:273-4, Aug 73
Metabolic regulation of steroid steroidogenesis in isolated adrenal and adrenocortical carcinoma cells of rat. The incorporation of (20S)-20-(7- 3 H)hydroxycholesterol into deoxycorticosterone and corticosterone. Sharma RK, et al.
Arch Biochem Biophys 156:560-2, Jun 73
Hypocholesterolaemia in hyperadrenal states. Reschini E, et al. **Br Med J** 3:171, 21 Jul 73
Periodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Richards P, et al. **Gut** 14:478-84, Jun 73
Regulation of adrenal ornithine decarboxylase by adrenocorticotropic hormone and cyclic AMP. Richman R, et al. **J Clin Invest** 52:2007-15, Aug 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73
Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Miyazaki G, et al.
Tohoku J Exp Med 109:365-75, Apr 73
[Plasma renin activity in patients with pheochromocytoma] Wocial B, et al.
Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Adenomas. Garret R. **Arch Pathol** 96:207, Sep 73
Pigmented nodules (black adenomas) of the adrenal gland. Robinson MJ. **Arch Pathol** 96:207, Sep 73
The histopathology of Conn's adenoma and of attached adrenal cortex. Maltinti G, et al.
Folia Endocrinol (Roma) 26:85-101, Apr 73
Malignant haemangio-endothelioma associated wi congenital adrenal hyperplasia. Donald D.
J Pathol 109:361-3, Apr 73
Familial pheochromocytoma: case report and review the literature. Funyu T, et al. **J Urol** 110:151-4, Aug
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourte years after removal of the tumor. Miyazaki G, et
Tohoku J Exp Med 109:365-75, Apr 73
[Clinical aspects, diagnosis and treatment of hormonally active tumors of the adrenal corte Zografski STr, et al.
Khirurgiia (Sofiia) 26:134-8, 1973 (Eng. Abstr.) (B
[Sarcoidosis and adrenal pheochromocytoma (aprop of a case)] Leophonte P, et al.
Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) (F

PHYSIOPATHOLOGY

[Hemodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et
Kardiologiia 13:56-61, 1973 (Eng. Abstr.) (R
[Effect of transplantation of human corticosteroma i millipore diffusion chamber on the development adrenal insufficiency in laboratory animals] Ko AKh, et al.
Patol Fiziol Eksp Ter 16:74-6, Nov-Dec 72 (E Abstr.) (R

RADIOGRAPHY

Familial pheochromocytoma: case report and reviev the literature. Funyu T, et al. **J Urol** 110:151-4, Au
[Clinical aspects, diagnosis and treatment of hormonally active tumors of the adrenal cort Zografski STr, et al.
Khirurgiia (Sofiia) 26:134-8, 1973 (Eng. Abstr.) (E

SURGERY

Immunoglobulin levels in Cushing's syndrome Kasperlik-Zaluska A, et al.
Arch Immunol Ther Exp (Warsz) 21:431-4,
Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, e
Arch Surg 107:252-5, Aug 73
Periodic hypokalaemic paralysis, adrenal adenoma, normal colonic transport of sodium and potassi Richards P, et al. **Gut** 14:478-84, Jun 73
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. K RP, et al. **J Pediatr** 83:432-7, Sep 73
Familial pheochromocytoma: case report and revie the literature. Funyu T, et al. **J Urol** 110:151-4, Au
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Alpha-adrenergic blocking agent in childhood, pheochromocytoma. Gupta S, et al.
Surgery 74:545-50, Oct 73
Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency four years after removal of the tumor. Miyazaki G, e
Tohoku J Exp Med 109:365-75, Apr 73
[Clinical aspects, diagnosis and treatment of hormonally active tumors of the adrenal cor Zografski STr, et al.
Khirurgiia (Sofiia) 26:134-8, 1973 (Eng. Abstr.) (
[Problems raised by pheochromocytoma resuscita Dupeyron JP, et al.
Anesth Analg (Paris) 30:209-12, Jan-Feb 73 (
[A case of monstrous malignant tumor of the adr gland with invasion of the suprahepatic inferior cava. Problems of therapeutic indication and sur tactics] Proye C, et al.
Lille Med 18:349-51, Mar 73
[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (

THERAPY

[Pheochromocytoma. Clinical and diagnostic aspe 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. A (

UNIVERSITY OF L. URBANA-CHAMPAIGN

URINE

diatric and adult pheochromocytomas. A
tochemical and clinical comparison. Freier DT, et al.
rch Surg 107:252-5, Aug 73
lation of urinary 3, 16 -dihydroxyandrost-5-en-17-one
adrenal carcinoma. Fantl V.
Endocrinol 56:615-6, Mar 73
inary 6beta-hydroxycortisol. II. Urinary
eta-hydroxycortisol in different diseases and after
iministration of drugs] Yamada S.
hia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.)
(Jap)

VETERINARY

ntaneous tumors and pathologic lesions in SWR-J
se. Rabstein LS, et al.
Natl Cancer Inst 50:751-8, Mar 73

RENAL GLANDS

ABNORMALITIES

ncephaly: a review. Nakano KK.
kh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)

INJURIES

norrhages into the adrenals (a review of the
eign literature)] Kalinin AP, et al.
n Med (Mosk) 50:9-15, Nov 72 (Rus)

RENOGENITAL SYNDROME

enital adrenal lipid hyperplasia with adrenal
drome. A case report of Prader syndrome.
masa T, et al. Kumamoto Med J 26:47-55, 31 Mar 73
netic counseling"]
urtshilfe Frauenheilkd 33:525-40, Jul 73 (Eng.
tr.) (Ger)

COMPLICATIONS

sterone acetate in the treatment of infantile
nogenital syndrome with precocious puberty.
er J, et al.
Endocrinol [Suppl] (Kbh) 173:169, 1973
enital adrenal hyperplasia. Report of a case with
rological complications. Hanefeld F, et al.
Dis Child 48:554-9, Jul 73
nant haemangio-endothelioma associated with
enital adrenal hyperplasia. Donald D.
athol 109:361-3, Apr 73
enital adrenal hyperplasia with salt depletion
rome] Blaim A, et al.
atr Pol 48:689-95, Jun 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

bolic disorders, their early diagnosis and therapy
ewborn infants] Tabolin VA.
Akad Med Nauk SSSR 28:76-86, 1973 (Rus)

DRUG THERAPY

erone acetate in the treatment of infantile
ogenital syndrome with precocious puberty.
J, et al.
Endocrinol [Suppl] (Kbh) 173:169, 1973
ital adrenal hyperplasia. Report of a case with
logical complications. Hanefeld F, et al.
Dis Child 48:554-9, Jul 73

ENZYMOLOGY

e defects in steroid hormone biosynthesis]
V.
Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.)
(Ger)

METABOLISM

of L-5-HTP on the release of growth hormone,
and insulin. Yoshimura M, et al.
rinol Jap 20:135-41, Apr 73
e defects in steroid hormone biosynthesis]
V.
Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.)
(Ger)

[Congenital adrenal hyperplasia with salt depletion syndrome] Blaim A, et al.
Pediatr Pol 48:689-95, Jun 73 (Eng. Abstr.) (Pol)

PATHOLOGY

Congenital adrenal hyperplasia. Report of a case with neurological complications. Hanefeld F, et al.
Arch Dis Child 48:554-9, Jul 73
Malignant haemangio-endothelioma associated with congenital adrenal hyperplasia. Donald D.
J Pathol 109:361-3, Apr 73

CUSHING'S SYNDROME

Carcinoma of the pituitary gland. D'Abrera VS, et al.
J Pathol 109:335-43, Apr 73

BLOOD

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 52:1756-69, Jul 73
Diurnal patterns of secretion of cortisol and growth hormone in normal adolescents, in patients with exogenous and endogenous Cushing's syndrome, in patients with diabetes mellitus, and in a fasting subject. Vazquez AM, et al. J Pediatr 83:578-86, Oct 73

CHEMICALLY INDUCED

Osteoporosis and long-term corticosteroid therapy. McConkey B. Br Med J 3:498, 1 Sep 73
Temporal arteritis: improvement in visual prognosis and management with repeat biopsies. Cohen DN.
Trans Am Acad Ophthalmol Otolaryngol 77:op74-85, Jan-Feb 73
Paraneoplastic syndromes. A clinically relevant concept in cancer. Lawrence W Jr, et al.
Va Med Mon 100:738-49, Aug 73
[Cortisone lesions due to antirheumatic drug combinations] Lehmpfuhl W.
Z Allgemeinmed 49:916-23, 10 Jul 73 (Ger)

COMPLICATIONS

Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al.
Arch Pathol 96:175-8, Sep 73
Hirsutism: a review of the genetic and experimental aspects. Muller SA.
J Invest Dermatol 60:457-74, Jun 73 (150 ref.)
[Case of pheochromocytoma of the adrenal medulla with Cushing's syndrome] Iwase S, et al.
Clin Endocrinol (Tokyo) 21:531-5, May 73 (Jap)
[Adrenal gland diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.)
(Jap)

DIAGNOSIS

Differential diagnosis of female hirsutism, Cushing's and Conn's syndrome. Quantitative sequential scintigraphy of the adrenals with 131-J-19-iodocholesterol. Nowakowski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:171, 1973
Diagnostic considerations in secondary hypertension. Fleischer N. Tex Med 69:64-70, Jul 73
[Some cases of Cushings syndrome in the dog] Willeberg P, et al.
Nord Vet Med 24:113-22, Mar 72 (Eng. Abstr.) (Dan)
[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) (Ger)

DRUG THERAPY

Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlik K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 1973

ETIOLOGY

Adrenal ablation by venous catheter. Eddy RL, et al.
Ann Intern Med 79:273-4, Aug 73
[Ectopic paraneoplastic endocrinopathies associated

with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) (Ger)
[Adrenalectomy in treatment of Cushing's disease] Tolloczko T.
Pol Przegl Chir 45:1153-60, Aug 73 (20 ref.) (Pol)

IMMUNOLOGY

Immunoglobulin levels in Cushing's syndrome. Kasperlik-Zaluska A, et al.
Arch Immunol Ther Exp (Warsz) 21:431-4, 1973

METABOLISM

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

PATHOLOGY

Fine structure of corticotrophic cells and of pituitary adenomas in Cushing's syndrome. Saeger W.
Acta Endocrinol [Suppl] (Kbh) 173:28, 1973
[Electron microscope study of "basophil" secretion particles in tumoral hypophyseal cells in Cushing's disease] Olivier L, et al.
C R Soc Biol (Paris) 166:1591-5, 1972 (Fre)

PHYSIOPATHOLOGY

Electroencephalography. Erwin CW, et al.
Prog Neurol Psychiatry 27:163-82, 1972 (170 ref.)

RADIOTHERAPY

Cushing's disease treated by pituitary implant. Burke CW, et al. **Clin Sci** 44:5P passim, Feb 73

SURGERY

ACTH determinations before and after selective removal of pituitary adenomas in Nelson's syndrome. Espinoza A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:34, 1973
[Adrenalectomy in treatment of Cushing's disease] Tolloczko T.
Pol Przegl Chir 45:1153-60, Aug 73 (20 ref.) (Pol)

THERAPY

A radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. Thody AJ, et al.
J Endocrinol 58:263-73, Aug 73

URINE

[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and after administration of drugs] Yamada S.
Folia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.) (Jap)

VETERINARY

[Some cases of Cushings syndrome in the dog] Willeberg P, et al.
Nord Vet Med 24:113-22, Mar 72 (Eng. Abstr.) (Dan)

HYPERALDOSTERONISM

Physiology and pathology of vascular response. Distler A, et al. **Arzneim Forsch** 23:18-30, Jan 73
Potassium deficiency during treatment with Brinaldix K. Evans ER. **Br Med J** 3:350, 11 Aug 73
Primary aldosteronism. Kotchen TA.
J Ky Med Assoc 71:445-8 passim, Jul 73

BLOOD

A simple and sensitive radioimmunoassay for plasma angiotensin II. Nussberger J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:157, 1973
The histopathology of Conn's adenoma and of attached adrenal cortex. Maltinti G, et al.
Folia Endocrinol (Roma) 26:85-101, Apr 73
Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Kans Med Soc 74:304-5 passim, Aug 73

[Exact measurement of subnormal renin concentrations in primary aldosteronism using radioimmunologic demonstration of angiotension I Beckerhoff R, et al.
Verh Dtsch Ges Inn Med 78:1508-10, 1972 (Ger
[Diagnosis of adrenal gland neoplasms causing primar aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood] Fukuch S, et al.
Folia Endocrinol Jap 49:865-70, 20 Jun 73 (Eng. Abstr (Jap
[Plasma aldosterone levels in primary aldosteronism. Renin-angiotensin system and aldosterone] Fukuch S, et al.
Folia Endocrinol Jap 49:781-7, 20 May 73 (Eng. Abstr (Jap
[Plasma aldosterone levels in primary aldosteronism II. Aldosterone and ACTH] Fukuchi S, et al
Folia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr (Jap
[Radioimmunoassay of plasma aldosterone and i clinical application] Ogihara T, et al.
Folia Endocrinol Jap 49:619-28, 20 Mar 73 (Eng. Abstr (Jap

COMPLICATIONS

Primary aldosteronism. Kotchen TA.
J Ky Med Assoc 71:445-8 passim, Jul 73
[The role of anti-aldosterones in the treatment arterial hypertension] Corvol P, et al.
Rev Prat 23:671-2 passim, 11 Feb 73 (Fr
[Pathogenesis of hypertension in primary aldosteronism] Distler A, et al.
Verh Dtsch Ges Inn Med 78:1610-2, 1972 (Ge
[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (Ru

DIAGNOSIS

Differential diagnosis of female hirsutism, Cushing and Conn's syndrome. Quantitative sequential scintigraphy of the adrenals with 131-J-19-iodocholesterol. Nowakowski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:171, 1973
Primary aldosteronism. Kotchen TA.
J Ky Med Assoc 71:445-8 passim, Jul 73
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kel RP, et al. **J Pediatr** 83:432-7, Sep 73
Mineralocorticoids and rectal potential differenc Beevers DG. **Lancet** 2:682-3, 22 Sep 73
Diagnostic considerations in secondary hypertensic Fleischer N. **Tex Med** 69:64-70, Jul 73
[Radioimmunoassays of aldosterone and plasma ren activity. Application to the diagnosis of prima aldosteronism] Corvol P, et al.
Ann Endocrinol (Paris) 34:57-65, Jan-Feb 73 (Er Abstr.) (Fr
[The role of anti-aldosterones in the treatment arterial hypertension] Corvol P, et al.
Rev Prat 23:671-2 passim, 11 Feb 73 (Fr
[Treatment of essential arterial hypertension wi spironolactone: its value for the screening of prima hyperaldosteronism and prediction of its efficac Fournier A, et al.
Therapeutique 49:127-30, Feb 73 (Fr
[Saliva electrolytes and flow rate in the diagnosis Bartter's syndrome, pseudo-Bartter's syndrome a Conn's syndrome] Kreusser W, et al.
Verh Dtsch Ges Inn Med 78:1518-22, 1972 (Ge
[A case of obliterated form of primary aldosteronis Gerasimenko PP.
Ter Arkh 44:116-8, Nov 72 (Eng. Abstr.) (Ru

DRUG THERAPY

Six year follow-up of a child with Bartter syndror Ramanathan K, et al. **Am J Dis Child** 126:230-5, Aug
Spironolactone as a nonspecific treatment for prima aldosteronism. Bravo EL, et al.
Circulation 48:491-8, Sep 73
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Ke RP, et al. **J Pediatr** 83:432-7, Sep 73

...Y OF L. URBANA-CHAMPAIGN

ETIOLOGY

trastructure of a renin-secreting juxtaglomerular ell tumor of the kidney. MacCallum DK, et al. nvest Urol 11:65-74, Jul 73

rcadian rhythm of plasma aldosterone concentration patients with primary aldosteronism. Kem DC, et al. Clin Invest 52:2272-7, Sep 73

ppressed plasma renin activity and primary dosteronism. Jagger PI.
Kans Med Soc 74:304-5 passim, Aug 73

calcified aldosterone-producing tumor in a ypertensive, normokalemic, prepubertal girl. Kelch P, et al. J Pediatr 83:432-7, Sep 73

topic paraneoplastic endocrinopathies associated ith water-electrolyte balance disorders] Hayduk K, al.
lin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. bstr.) (Ger)

ccessfully treated anorexia nervosa associated with peraldosteronism] Herman E, et al.
v Hetil 114:1754-6, 1973 (Hun)

ase of obliterated form of primary aldosteronism] rasimenko PP.
r Arkh 44:116-8, Nov 72 (Eng. Abstr.) (Rus)

METABOLISM

al tubular acidosis, presenting as a syndrome sembling Bartter's syndrome, in a patient with chnodactyly. Takeda R, et al.
ta Endocrinol (Kbh) 73:531-42, Jul 73

year follow-up of a child with Bartter syndrome. manathan K, et al. Am J Dis Child 126:230-5, Aug 73

role of 18-hydroxy-11-deoxycorticosterone as a ecursor in human adrenal tissue in vitro. Grekin RJ, al. J Clin Endocrinol Metab 37:261-4, Aug 73

of the proximal tubule in the regulation of urinary ium excretion. Knox FG.
yo Clin Proc 48:565-73, Aug 73

PATHOLOGY

ear follow-up of a child with Bartter syndrome. manathan K, et al. Am J Dis Child 126:230-5, Aug 73

histopathology of Conn's adenoma and of attached enal cortex. Maltinti G, et al.
a Endocrinol (Roma) 26:85-101, Apr 73

PHYSIOPATHOLOGY

Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al.
J Clin Invest 52:2272-7, Sep 73

THERAPY

Spironolactone as a nonspecific treatment for primary aldosteronism. Bravo EL, et al.
Circulation 48:491-8, Sep 73

WATERHOUSE-FRIDERICHSEN SYNDROME

COMPLICATIONS

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al.
Klin Med (Mosk) 50:9-15, Nov 72 (Rus)

DIAGNOSIS

Rapid death in childhood. Neff JM, et al.
J Pediatr 83:679-84, Oct 73

PATHOLOGY

Rapid death in childhood. Neff JM, et al.
J Pediatr 83:679-84, Oct 73

[Endotoxinemia and adrenocortical hemorrhage. Experimental study using ACTH-treated rats] Bavaud C.
Virchows Arch [Pathol Anat] 360:71-7, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Endotoxinemia and adrenocortical hemorrhage. Experimental study using ACTH-treated rats] Bavaud C.
Virchows Arch [Pathol Anat] 360:71-7, 1973 (Eng. Abstr.) (Ger)

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

Factors influencing the penetration of corticosteroids through the epidermis. Polano MK, et al. **Adv Biol Skin** 12:325-38, 1972 (19 ref.)

Production and properties of antisera to dexamethasone-protein conjugates. Dumasia MC, et al. **Biochem J** 133:401-4, Jun 73

Influence of environmental temperature on the immune response in fish. Avtalion RR, et al. **Curr Top Microbiol Immunol** 61:1-35, 1973

ADMINISTRATION & DOSAGE

A guide to topical corticosteroids. Goldman L. **Am Fam Physician** 8:167-70, Sep 73

Osteoporosis and long-term corticosteroid therapy. McConkey B. **Br Med J** 3:498, 1 Sep 73

The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. Christy NP. **J Chronic Dis** 26:261-4, May 73

Late progression in dermatomyositis in childhood. Miller JJ 3d. **J Pediatr** 83:543-8, Oct 73

Deaths from asthma. Herxheimer H, et al. **Lancet** 2:326-7, 11 Aug 73

Psoriasis: practical therapeutic perspectives. Van Scott EJ. **Ration Drug Ther** 7:1-5, Aug 73

[Peridural injections of corticoids in the treatment of lumbalgia and sciatica due to disk abnormality] Jurmand SH. **Rev Rhum Mal Osteoartic** 40:461-4, Jun 73 **(Fre)**

[Drug therapy of the atopic bronchial asthma in childhood] Saule H. **Dtsch Med Wochenschr** 98:1432-3, 27 Jul 73 **(Ger)**

[Is the treatment of senile osteoporosis justified?] Krokowski E. **Med Klin** 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ger)**

[Circadian corticoid therapy] Scriba PC. **Med Klin** 68:1171-2, 7 Sep 73 **(Ger)**

ADVERSE EFFECTS

A guide to topical corticosteroids. Goldman L. **Am Fam Physician** 8:167-70, Sep 73

Osteoporosis and long-term corticosteroid therapy. Hosking DJ, et al. **Br Med J** 3:125-7, 21 Jul 73

Osteoporosis and long-term corticosteroid therapy. McConkey B. **Br Med J** 3:498, 1 Sep 73

Adrenal failure in bronchial asthma. Myles AB, et al. **Br Med J** 3:294, 4 Aug 73

The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. Christy NP. **J Chronic Dis** 26:261-4, May 73

Kidney transplantation in children: psychosocial follow-up study on child and family. Korsch BM, et al. **J Pediatr** 83:399-408, Sep 73

Late progression in dermatomyositis in childhood. Miller JJ 3d. **J Pediatr** 83:543-8, Oct 73

Psychiatric complications of medical drugs. **Med J Aust** 1:1263-4, 30 Jun 73

[Research on the pathogenesis of aseptic necrosis of the femoral head. Evaluation of the constitutional bony factors in 35 cases of iliac crest biopsy] Laurent J, et al. **Nouv Presse Med** 2:1755-60, 30 Jun 73 (Eng. Abstr.) **(Fre)**

[Iatrogenic disorders of the hip] Rubens-Duval A, et al. **Rev Infirm** 23:297-9, Apr 73 **(Fre)**

[Value of electromyography in rheumatoid arthritis, major collagen disease and iatrogenic myopathies] Braun S, et al. **Rev Rhum Mal Osteoartic** 40:407-13, Jun 73 (Eng. Abstr.) **(Fre)**

[The pros and cons of corticotherapy in viral hepatitis] Biron A. **Therapeutique** 49:149-51, Feb 73 **(Fre)**

[Adrenal cortex function tests in children with rheumatic fever] Tsvetkova V, et al. **Med Monatsschr** 27:279-80, Jun 73 **(Ger)**

[So-called muscular rheumatism] Mathies H. **Z Rheumaforsch** 32:190, May-Jun 73 **(Ger)**

[Skin diseases induced by hormones] Nishiyama S. **Clin Endocrinol (Tokyo)** 20:845-9, Oct 72 (11 ref.) **(Jap)**

[Adrenal gland diseases] Takahashi S. **Clin Endocrinol (Tokyo)** 21:577-81, Jun 73 (22 ref.) **(Jap)**

[Experience in treating pemphigus with corticosteroids and methotrexate] Romanenko GF, et al. **Vestn Dermatol Venerol** 47:61-4, Mar 73 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Gas chromatography of steroids--methods in laboratory diagnosis] Yakata M, et al. **Jap J Clin Pathol** 21:599-604, Jul 73 **(Jap)**

BIOSYNTHESIS

In-vitro corticosteroid synthesis in rat adrenals. II. Evidence for (an) alternative pathway(s) of synthesis. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:74, 1973

In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:73, 1973

The influence of ACTH and HCG on the steroidogenesis of fetal adrenals in vitro. Lehmann WD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:75, 1973

Effect of self-stimulation on adrenocortical activity in the rat. Sadowski B, et al. **Acta Physiol Acad Sci Hung** 42:157-62, 1972

Effect of heroin on corticosteroid production in pregnant addicts and their fetuses. Glass L, et al. **Am J Obstet Gynecol** 117:416-8, 1 Oct 73

A controlled trial of beclomethasone dipropionate for asthma. Smith AP, et al. **Br J Dis Chest** 67:208-14, Jul 73

Regulation of steroidogenesis by ACTH in a superfusion system for isolated adrenal cells. Schulster D. **Endocrinology** 93:700-4, Sep 73

In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol** 21:99-107, Aug 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M. **J Endocrinol** 58:251-62, Aug 73

Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stárka L, et al. **Physiol Bohemoslov** 21:233-8, May 72

[Enzyme defects in steroid hormone biosynthesis] Graef V. **Dtsch Med Wochenschr** 98:1299-304, 29 Jun 73 (52 ref.) **(Ger)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekiro M, et al. **Probl Endokrinol (Mosk)** 19:61-6, May-Jun 73 (Eng Abstr.) **(Rus)**

BLOOD

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripher plasma around parturition with special reference the effect of exogenous corticoids and a prolact inhibitor respectively. Hoffmann B, et al. **Acta Endocrinol (Kbh)** 73:385-95, Jun 73

Effect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et **Acta Endocrinol (Kbh)** 73:417-26, Jul 73

Plasma corticosteroid level in children correlated items of fear. Blunck W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:35, 1973

Plasma corticosteroid response to metyrapone. simplified assessment of pituitary-adrenal functi Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun

he corticoid, insulin and growth hormone responses to intravenous fructose in men and women. Aitken JM, et al. **Acta Med Scand** [Suppl] 542:165-72, 1972
ffect of heroin on corticosteroid production in pregnant addicts and their fetuses. Glass L, et al. **Am J Obstet Gynecol** 117:416-8, 1 Oct 73
linical and metabolic features of anorexia nervosa. Warren MP, et al. **Am J Obstet Gynecol** 117:435-49, 1 Oct 73
hanges in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during ate pregnancy and at parturition. Chamley WA, et al. **Biol Reprod** 9:30-5, Aug 73
controlled trial of beclomethasone dipropionate for sthma. Smith AP, et al. **Br J Dis Chest** 67:208-14, Jul 73
ovine serum growth hormone, corticoids and insulin during lactation. Koprowski JA, et al. **Endocrinology** 93:645-51, Sep 73
hysiological, environmental, and hormonal factors at nsemination which may affect conception. Swazdauskas FC, et al. **J Dairy Sci** 56:873-7, Jul 73
osynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M. **Endocrinol** 58:251-62, Aug 73
easurement of various corticosteroids in foetal sheep plasma near term. Wilson DW, et al. **Endocrinol** 58:v, Jul 73

METABOLISM

-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of ynthesis without the intermediates cholesterol, regnenolone and progesterone. Diedrichsen G, et al. **cta Endocrinol** [Suppl] **(Kbh)** 173:73, 1973
otransformation of steroids by the skin. Berliner DL. **dv Biol Skin** 12:357-65, 1972 (36 ref.)
ffects of drugs and environmental chemicals on teroid metabolism. Conney AH, et al. **lin Pharmacol Ther** 14:727-41, Jul-Aug 73
ntrol of epinephrine synthesis and secretion. Fuller W. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)
nificance of the effects of prostaglandins on renal nd adrenal function in man. Fichman M, et al. **rostaglandins** 3:629-46, May 73 (35 ref.)
etabolism of adrenocortical hormone in surgical tress. Kudo S, et al. **ohoku J Exp Med** 110:139-48, Jun 73

PHARMACODYNAMICS

ntrol of hepatic fructose-metabolizing enzymes: ructokinase, aldolase and triokinase. Adelman RC. **cta Med Scand** [Suppl] 542:47-56, 1972 (76 ref.)
enohypophysial growth and thyroxine binding: ffects of steroid hormones. Schreiber V, et al. **cta Univ Carol** [Med Monogr] **(Praha)** 51:9-157, 1972
erations in sweat gland function produced by harmacological agents. Siegers JF. **dv Biol Skin** 12:477-93, 1972 (51 ref.)
e effect of ophthalmic ointments on corneal wound ealing. Hanna C, et al. **m J Ophthalmol** 76:193-200, Aug 73
rmonal effects on fetal development: a survey. Jost **Clin Pharmacol Ther** 14:714-20, Jul-Aug 73
nel discussion: hormones and fetal metabolism. **lin Pharmacol Ther** 14:742-7, Jul-Aug 73
ect of steroid and other hormones on lung removal noradrenaline. Iwasawa Y, et al. **ur J Pharmacol** 22:367-70, Jun 73
ffectiveness of adrenocorticosteroids and irenocorticotropin in altering Na-K currents in uid giant axon. Henkin RI, et al. **xperientia** 29:555-6, 15 May 73
e clinical significance of pituitary-adrenal ppression by exogenous corticosteroids. Christy P. **J Chronic Dis** 26:261-4, May 73
ole of the adrenal glands in secretion by jejunal aneth cells in hamsters: ultrastructural study] Balas et al. **C R Soc Biol (Paris)** 166:1543-6, 1972 **(Fre)**
esired and undesired effects of drugs on the skin] eigleder GK. **Hautarzt** 24:261-71, Jun 73 (Ger)
gnificance of adenosine-3',5'-monophosphate for the ffects of various hormones and drugs on metabolism] ssert W. **Pharmazie** 28:351-62, Jun 73 (Ger)
rrent problems of the education of children with matic diseases under hospital conditions] Burmistrova NN. **Pediatriia** 51:61-5, Oct 72 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al. **Acta Endocrinol (Kbh)** 73:385-95, Jun 73
Neuroendocrine aspects of thermoregulation. Gale CC. **Annu Rev Physiol** 35:391-430, 1973 (120 ref.)
Control of epinephrine synthesis and secretion. Fuller RW. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)
Copper homeostasis in the mammalian system. Evans GW. **Physiol Rev** 53:535-70, Jul 73 (259 ref.)
[Rôle of the adrenal glands in secretion by jejunal Paneth cells in hamsters: ultrastructural study] Balas D, et al. **C R Soc Biol (Paris)** 166:1543-6, 1972 **(Fre)**

SECRETION

A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73
Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al. **Lancet** 2:581-4, 15 Sep 73
[Clinical aspects, diagnosis and treatment of hormonally active tumors of the adrenal cortex] Zografski STr, et al. **Khirurgiia (Sofiia)** 26:134-8, 1973 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Penetration and action of glucocorticoids. Schlagel CA. **Adv Biol Skin** 12:339-56, 1972 (39 ref.)
A guide to topical corticosteroids. Goldman L. **Am Fam Physician** 8:167-70, Sep 73
Asymptomatic electrocardiographic alterations in sarcoidosis. Stein E, et al. **Am Heart J** 86:474-7, Oct 73
The lens. Jaffe NS. **Arch Ophthalmol** 90:136-71, Aug 73 (233 ref.)
Behcet's syndrome. Entwisle BR. **Australas J Dermatol** 13:114, Dec 72
Beclomethasone dipropionate steriod aerosol in treatment of perennial allergic asthma in children. Brown HM, et al. **Br Med J** 3:161-4, 21 Jul 73
Osteoporosis and long-term corticosteroid therapy. Hosking DJ, et al. **Br Med J** 3:125-7, 21 Jul 73
Osteoporosis and long-term corticosteroid therapy. McConkey B. **Br Med J** 3:498, 1 Sep 73
Rheumatoid arthritis of temporo-mandibular joint. **Br Med J** 3:369, 18 Aug 73
Anserina bursitis. A treatable cause of knee pain in patients with degenerative arthritis. Brookler MI, et al. **Calif Med** 119:8-10, Jul 73
Nodular sarcoidosis: an unusual radiographic appearance. Sharma OP, et al. **Chest** 64:189-92, Aug 73
Personal observations on cromolyn sodium prophylaxis. Marks MB. **Clin Pediatr (Phila)** 12:521-3, Sep 73
The problem of the Lennox syndrome. Aicardi J. **Dev Med Child Neurol** 15:77-80, Feb 73
Drugs in cardiogenic shock. Zwieten PA van. **Int J Clin Pharmacol** 7:109-17, Apr 73 (29 ref.)
Eosinophilic granuloma of bone and its relationship to Hand-Schüller-Christian and Letterer-Siwe syndromes. Schajowicz F, et al. **J Bone Joint Surg** [Br] 55:545-65, Aug 73
Carotidynia. Chiossone E, et al. **J Laryngol Otol** 58:885-90, Sep 73
Late progression in dermatomyositis in childhood. Miller JJ 3d. **J Pediatr** 83:543-8, Oct 73
Dermatomyositis. Schaller JG. **J Pediatr** 83:699-702, Oct 73 (30 ref.)
Chronic acral dermatitis: association with extreme elevations of IgE. Winkelmann RK, et al. **JAMA** 225:378-81, 23 Jul 73
Glomerulitis in dermatitis herpetiformis. DeCoteau WE, et al. **Lancet** 2:679-80, 22 Sep 73
Deaths from asthma. Herxheimer H, et al. **Lancet** 2:326-7, 11 Aug 73
Treatment of erythema nodosum leprosum with thalidomide. Levy L, et al. **Lancet** 2:324-5, 11 Aug 73
Overdose of salbutamol. Morrison GW, et al. **Lancet** 2:681, 22 Sep 73
Tracheal stenosis. Warning. Danger. Macneil AR. **NS Med Bull** 52:161, Aug 73

ADRENAL CORTEX

Cardiogenic shock. Recent advances in pharmacologic management. II. Kones RJ.
NY State J Med 73:1967-80, 1 Aug 73 (350 ref.)
Ambulatory care and rehabilitation in COPD. Wynne JW, et al. **Postgrad Med** 54:173-8, Sep 73
A radiologic approach to hypersensitivity pneumonias. Unger GF, et al.
Radiol Clin North Am 11:339-56, Aug 73 (26 ref.)
Psoriasis: practical therapeutic perspectives. Van Scott EJ. **Ration Drug Ther** 7:1-5, Aug 73
The treatment of atopic dermatitis. Reeves JR. **Semin Drug Treat** 2:419-24, Spring 73 (10 ref.)
"Fog "Fever" (acute bovine pulmonary emphysema) in Mid-Wales, 1971: features of occurrence. Roberts HE, et al. **Vet Rec** 92:558-61, 26 May 73
[Various experiences during several years of dispensary care of patients with psoriasis] Janula J.
Cesk Dermatol 48:164-9, Jun 73 (Eng. Abstr.) (Cze)
[Chondrocalcinosis articularis] Reus HD de.
J Belge Radiol 56:103-9, Mar-Apr 73 (Eng. Abstr.) (Dut)
[Lymphocytic encephalitis in a case of agammaglobulinaemia] Scaravilli F, et al.
Acta Neuropathol (Berl) 25:188-95, 1973 (Eng. Abstr.) (Fre)
[Thrombopenic purpura and hyperthyroidism] Dao C, et al. **Ann Med Interne (Paris)** 124:323-6, Apr 73 (Fre)
[A case of staphylococcemia with tricuspid and pulmonary localization in a morphine addict] Meyer A, et al.
Ann Med Interne (Paris) 124:19-22, Jan 73 (Fre)
[Leukemic lymphohistiocytosis ("reticuloendotheliosis")] Zittoun R, et al.
Ann Med Interne (Paris) 124:319-22, Apr 73 (Fre)
[Prevention and treatment of surgical shock associated with hepatectomy for primary liver cancer] Menyé PA, et al.
Bull Soc Med Afr Noire Lang Fr 17:522-5, 1972 (Eng. Abstr.) (Fre)
[The treatment of chronic inflammatory rheumatism] Kahn MF. **Rev Med Liege** 28:313-28, 15 May 73 (Fre)
[Mesenteric panniculitis and retractile mesenteritis] Caubria F, et al.
Rev Prat 23:2827-8 passim, 1 Jun 73 (Eng. Abstr.) (Fre)
[Peridural injections of corticoids in the treatment of lumbalgia and sciatica due to disk abnormality] Jurmand SH.
Rev Rhum Mal Osteoartic 40:461-4, Jun 73 (Fre)
[30 cases of Crohn's disease] Mornet P, et al.
Sem Hop Paris 49:2189-98, 26 Jun 73 (Eng. Abstr.) (Fre)
[The pros and cons of corticotherapy in viral hepatitis] Biron A. **Therapeutique** 49:149-51, Feb 73 (Fre)
[Nasal obstruction in children] Marcoux J.
Vie Med Can Fr 2:477-82, May 73 (Eng. Abstr.) (Fre)
[Emergency therapy in manifested shock] Bartels O.
Fortschr Med 91:777-80, 21 Jun 73 (Ger)
[Theapy of chronic glomerulonephritis] Gessler U.
Fortschr Med 91:819-23, 5 Jul 73 (Ger)
[Exudative gastrointestinal diseases] Rösch W.
Fortschr Med 91:875-81, 19 Jul 73 (Ger)
[Pathogenesis and therapy of parenchymatous keratitis] Luger A. **Hautarzt** 24:271, Jun 73 (Ger)
[Drug therapy in cardiogenic shock] Wenger R.
Int J Clin Pharmacol 7:127-31, Apr 73 (Ger)
[Immunization in allergic patients. 2] Ehrengut W.
Med Klin 68:972-4, 20 Jul 73 (Ger)
[Allergic pulmonary diseases in childhood. Diagnostic and therapeutic results] Jorde W, et al.
Med Klin 68:961-5, 20 Jul 73 (Eng. Abstr.) (Ger)
[Treatment of eyelid eczema] Rassner G.
Med Klin 68:1019, 27 Jul 73 (Ger)
[Circadian corticoid therapy] Scriba PC.
Med Klin 68:1171-2, 7 Sep 73 (Ger)
[Adrenal cortex function tests in children with rheumatic fever] Tsvetkova V, et al.
Med Monatsschr 27:279-80, Jun 73 (Ger)
[Treatment of bronchial asthma in childhood with disodium cromoglycate] Karg F, et al.
Monatsschr Kinderheilkd 121:220-6, Jun 73 (Eng. Abstr.) (Ger)
[Complications of immunosuppressive therapy using cytostatics in autoaggression diseases with special reference to cholestatic hepatosis] Götzel L.
Z Gesamte Inn Med 28:331-5, 1 Jun 73 (Eng. Abstr.) (Ger)
[Therapy and diagnosis (cytohistomorphology) of panmyelopathies] Schwenke H, et al.
Z Gesamte Inn Med 28:Suppl 9:130-4, 1 May 73 (Eng. Abstr.) (Ger)
[Rhinoscleroma--clinical and pathological features] Tolsdorff P.
Z Laryngol Rhinol Otol 52:486-97, Jul 73 (Eng. Abstr.) (Ger)
[Hyperbilirubinemia in premature infants during 1948-1973 (evaluation and therapy of physiological jaundice in newborn infants of low birth weight during the past 25 years)] Török J.
Orv Hetil 114:1847-53, 5 Aug 73 (97 ref.) (Hun)
[Idiopathic recurrent thrombopenias. Clinico-hematological study] Cacciola E, et al.
Haematologica (Pavia) 58:203-9, 1973 (Eng. Abstr.) (Ita)
[Corticoids and local anesthetics in antalgic therapy. Changes in relationship between solutions] Tempo B, et al.
Minerva Anestesiol 39:63-70, Feb 73 (Eng. Abstr.) (Ita)
[Idiopathic hypoplastic anemia: a follow up studies on treatment and prognosis of our 122 cases] Arimori S, et al.
Acta Haematol Jap 35:670-6, Dec 72 (Eng. Abstr.) (Jap)
[Treatment of hematopoietic proliferative syndromes with a semi-synthetic podophyllin derivative] Lawkowicz W, et al.
Acta Haematol Pol 4:123-7, Apr-Jun 73 (Eng. Abstr.) (Pol)
[Cerebrospinal meningitis due to Flavobacterium meningosepticum in an infant] Remion B, et al.
Pediatr Pol 48:887-9, Jul 73 (Pol)
[Results of immunosuppressive treatment of nephrotic syndrome] Przybyl L, et al.
Pol Tyg Lek 28:990-3, 25 Jun 73 (Eng. Abstr.) (Pol)
[Recurrent Reiter's syndrome] Sliny W, et al.
Pol Tyg Lek 28:869-70, 4 Jun 73 (Eng. Abstr.) (Pol)
[Treatment of hepatic coma in the course of viral hepatitis] Mach B, et al.
Wiad Lek 26:1255-8, 1 Jul 73 (Eng. Abstr.) (Pol)
[Therapeutic approach in toxicoseptic shock] Albu S et al.
Chirurgia (Bucur) 21:465-8, May 72 (Eng. Abstr.) (Rum)
[Neuro-psychological complications of measles. Considerations on a case of measles meningoencephalitis] Ghelman M, et al.
Stud Cercet Virusol 24:295-9, 1973 (Eng. Abstr.) (Rum)
[Treatment of acute pancreatitis] Scripnichenko DF
Khirurgiia (Mosk) 48:84-8, Nov 72 (Eng. Abstr.) (Rus)
[Experience in treating pemphigus with corticosteroids and methotrexate] Romanenko GF, et al.
Vestn Dermatol Venerol 47:61-4, Mar 73 (Eng. Abstr (Rus)

URINE

17-Alpha-hydroxylase deficiency of the gonads ar adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973
Urinary corticosteriod and diphenylhydantoin metabolite patterns in neonates exposed to anticonvulsant drugs in utero. Reynolds JW, et
Clin Pharmacol Ther 14:891-7, Sep-Oct 73
Hormones and the aetiology of human breast cance Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 re
Selective hypopituitarism. Impaired cell-mediate immunity and chronic mucocutaneous candidias Arvanitakis C, et al. **JAMA** 225:1432-5, 17 Sep
Hyperkalaemic periodic paralysis associated wi Addison's disease. Schwieger AC.
Proc Aust Assoc Neurol 9:63-6, 1973
[Corticosteroid level in experimental renal hypertension in rats] Markov KhM, et al.
Patol Fiziol Eksp Ter 16:61-3, Nov-Dec 72 (E Abstr.) (R

ALDOSTERONE

In vitro studies on the inhibition of pig liver ster delta4-5beta-reductase activity by naturally occurr and synthetic estrogens. Van Doorn EJ, et
Biochim Biophys Acta 309:254-62, 6 Jun 73
The pressor effects of application of digoxin to carotid sinus. Okong'o O, et al.
East Afr Med J 50:33-7, Jan 73
[Some new aspects of the renin-angiotensin syste Ganten D, et al.

Union Med Can 102:775-86, Apr 73 (148 ref.) (Eng. Abstr.) (Fre)
[Mineralocorticoids and essential hypertension] Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) (Fre)
[New findings on the specifity of aldosterone antibodies] Vetter W, et al.
Verh Dtsch Ges Inn Med 78:1607-9, 1972 (Ger)

ADMINISTRATION & DOSAGE

Renal adaptation to a high potassium intake. The role of hydrogen ion. Tannen RL, et al.
J Clin Invest 52:2089-101, Sep 73

ANALYSIS

Current methods of determining aldosterone] Naugol'nykh EZ. Lab Delo 9:522-9, 1972 (54 ref.) (Rus)
Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-yl) propionic acid gamma-lactone, its preparation and antimineralocorticoid activity. Chinn LJ, et al.
J Med Chem 16:839-43, Jul 73
The rational management of ascites. Conn HO.
Prog Liver Dis 4:269-88, 1972 (115 ref.)
Water and electrolyte tissue composition in burned rats under the effect of SC-14266. Bevilacqua RG, et al.
Rev Bras Pesqui Med Biol 6:11-6, Jan-Apr 73
The role of anti-aldosterones in the treatment of arterial hypertension] Corvol P, et al.
Rev Prat 23:671-2 passim, 11 Feb 73 (Fre)
Cardial effects of aldosterone antagonists--electrophysiological measurements on papillary heart muscle] Lüderitz B, et al.
Verh Dtsch Ges Inn Med 78:1066-9, 1972 (Ger)

BIOSYNTHESIS

The role of a feedback mechanism in the regulation of aldosterone secretion in the rat. Debreceni L, et al.
Acta Endocrinol (Kbh) 73:282-8, Jun 73
The ultrastructure of the adrenal zona glomerulosa of rats on natassium-supplemented or sodium-depleted diets. Domoto DT, et al. Am J Pathol 72:433-46, Sep 73
Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al.
Endocrinology 93:517-26, Sep 73
In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 21:99-107, Aug 73
The role of 18-hydroxy-11-deoxycorticosterone as a precursor in human adrenal tissue in vitro. Grekin RJ, et al. J Clin Endocrinol Metab 37:261-4, Aug 73
Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M.
Endocrinol 58:251-62, Aug 73
Aldosterone producing capacity of adrenal glands of sodium-restricted pregnant rats. Khokhar SA, et al.
Nutr 103:1126-30, Aug 73
Ectopic aldosterone production. Todesco S, et al.
Lancet 2:443, 25 Aug 73
Effect of angiotensin II in vitro on RNA, protein, cyclic AMP and aldosterone biosynthesis, using a cell suspension system from the zona glomerulosa of the adrenals] Trachewsky D, et al.
Union Med Can 102:884-9, Apr 73 (Eng. Abstr.) (Fre)
Enzyme defects in steroid hormone biosynthesis] Graef V.
Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.) (Ger)
Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) (Rus)

BLOOD

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. Acta Endocrinol (Kbh) 73:499-508, Jul 73
Response of plasma aldosterone to various stimuli in the angiotensin II-immune rabbit. Beckerhoff R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:158, 1973
In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973
Plasma renin activity during the normal menstrual cycle. Kaulhausen H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:160, 1973
Antihypertensive action of propranolol. Specific antirenin responses in high and normal renin forms of essential, renal, renovascular and malignant hypertension. Bühler FR, et al.
Am J Cardiol 32:511-22, 20 Sep 73
Plasma aldosterone-renin interrelationships in various forms of essential hypertension. Studies using a rapid assay of plasma aldosterone. Bühler FR, et al.
Am J Cardiol 32:554-61, 20 Sep 73
Six year follow-up of a child with Bartter syndrome. Ramanathan K, et al. Am J Dis Child 126:230-5, Aug 73
Hyperkalemia in salt-wasting nephropathy. Study of the mechanism. Popovtzer MM, et al.
Arch Intern Med 132:203-8, Aug 73
A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. Arch Neurol 29:258-61, Oct 73
Microdetermination of adrenocortical steroids by double isotope method (II). Fractional determination of corticosteroids: free and protein-bound cortisol, corticosterone in plasma. Kunugi A, et al.
Endocrinol Jap 20:23-31, Feb 73
Periodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Richards P, et al. Gut 14:478-84, Jun 73
Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al.
J Clin Invest 52:2272-7, Sep 73
Mineralocorticoids and rectal potential difference. Beevers DG. Lancet 2:682-3, 22 Sep 73
Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S.
Metabolism 22:1027-32, Aug 73 (42 ref.)
Measurements of renin-angiotensin-aldosterone. Poulsen K. Pharmacol Rev 25:249-57, Jun 73 (70 ref.)
Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al.
Prostaglandins 3:629-46, May 73 (35 ref.)
An essay: prostaglandins and toxemia of pregnancy. Speroff L. Prostaglandins 3:721-8, May 73
Stimulation of aldosterone secretion by sodium depletion in anephric man. McCaa RE, et al.
Trans Am Soc Artif Intern Organs 19:287-92, 1973
[Radioimmunoassays of aldosterone and plasma renin activity. Application to the diagnosis of primary aldosteronism] Corvol P, et al.
Ann Endocrinol (Paris) 34:57-65, Jan-Feb 73 (Eng. Abstr.) (Fre)
[Pathogenesis of hypertension in primary aldosteronism] Distler A, et al.
Verh Dtsch Ges Inn Med 78:1610-2, 1972 (Ger)
[Direct radioimmunologic demonstration of plasma aldosterone] Vetter W, et al.
Verh Dtsch Ges Inn Med 78:1513-5, 1972 (Ger)
[Diurnal rhythm of aldosterone in the blood] Okamoto M, et al.
Clin Endocrinol (Tokyo) 21:409-12, Apr 73 (Jap)
[Diagnosis of adrenal gland neoplasms causing primary aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood] Fukuchi S, et al.
Folia Endocrinol Jap 49:865-70, 20 Jun 73 (Eng. Abstr.) (Jap)
[Plasma aldosterone levels in primary aldosteronism. I. Renin-angiotensin system and aldosterone] Fukuchi S, et al.
Folia Endocrinol Jap 49:781-7, 20 May 73 (Eng. Abstr.) (Jap)
[Renin-angiotensin-aldosterone system in hyperthyroidism] Fukuchi S, et al.
Folia Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.) (Jap)
[Plasma aldosterone levels in primary aldosteronism. II. Aldosterone and ACTH] Fukuchi S, et al.

ALDOSTERONE

Folia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr.) (Jap)

[Radioimmunoassay of plasma aldosterone and its clinical application] Ogihara T, et al. Folia Endocrinol Jap 49:619-28, 20 Mar 73 (Eng. Abstr.) (Jap)

[Current methods of determining aldosterone] Naugol'nykh EZ. Lab Delo 9:522-9, 1972 (54 ref.) (Rus)

DIAGNOSTIC USE

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. Acta Endocrinol (Kbh) 73:499-508, Jul 73

ISOLATION & PURIFICATION

[Current methods of determining aldosterone] Naugol'nykh EZ. Lab Delo 9:522-9, 1972 (54 ref.) (Rus)

METABOLISM

Renal tubular acidosis, presenting as a syndrome resembling Bartter's syndrome, in a patient with arachnodactyly. Takeda R, et al. Acta Endocrinol (Kbh) 73:531-42, Jul 73

The effect of carbenoxolone on the subcellular distribution of (3 H) aldosterone in rat kidney. Humphrey MJ, et al. Biochem J 130:87P-88P, Nov 72

Plasma renin response to lithium in psychiatric patients. Shopsin B, et al. Clin Pharmacol Ther 14:561-4, Jul-Aug 73

Disturbances of electrical activity of the brain induced by the spirolactone derivative potassium canrenoate. Simon O, et al. Electroencephalogr Clin Neurophysiol 35:165-71, Aug 73

Concentration of (14 C) aldosterone by various tissues in pregnant rats. Abe K. J Endocrinol 56:611-2, Mar 73

Aldosterone producing capacity of adrenal glands of sodium-restricted pregnant rats. Khokhar SA, et al. J Nutr 103:1126-30, Aug 73

The mode of action and clinical use of spirolactones. Manitius A, et al. Mater Med Pol 4:83-8, Apr-Jun 72

Diagnostic considerations in secondary hypertension. Fleischer N. Tex Med 69:64-70, Jul 73

[Formation of complex 3H-estradiol-macromolecules in cytosolic and nuclear fractions of fetal guinea-pig renal tissue] Pasqualini JR, et al. C R Acad Sci [D] (Paris) 276:3359-62, 18 Jun 73 (Fre)

[Mechanism of action of aldosterone: a review of research in the Department of Molecular Biology, 1968-1972] Trachewsky D. Union Med Can 102:857-69, Apr 73 (69 ref.) (Eng. Abstr.) (Fre)

[Adrenal glycoative function in congestive heart failure. I. Changes in blood and urinary cortisol and the ACTH loading test] Bernardi P, et al. Folia Endocrinol (Roma) 25:95-114, Apr 72 (Ita)

PHARMACODYNAMICS

The role of a feedback mechanism in the regulation of aldosterone secretion in the rat. Debreceni L, et al. Acta Endocrinol (Kbh) 73:282-8, Jun 73

Alterations in sweat gland function produced by pharmacological agents. Siegers JF. Adv Biol Skin 12:477-93, 1972 (51 ref.)

Effects of thermal acclimation on physiological responses to handling stress, cortisol and aldosterone injections in the goldfish, Carassius auratus. Umminger BL, et al. Comp Biochem Physiol [A] 44:967-77, 1 Mar 73

Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. Endocrinology 93:411-6, Aug 73

The effect of maltose on the aldosterone activated sodium transport of the frog bladder. Marumo F, et al. Experientia 29:43-4, 1 May 73

Thermal activation of the cyclic AMP stimulated sodium transport across isolated toad bladder and Na+-K+ ATPase in toad bladder homogenates. Snart RS, et al. Experientia 28:1028-9, 15 Sep 72

The lack of effect of aldosterone on milk secretion in the goat. Peaker M, et al. J Endocrinol 58:139-40, Jul 73

Time course of decrease in blood pressure and in blood pressure response to vasopressor agents during pregnancy in the rat. Teeuw AH, et al. Pfluegers Arch 341:197-208, 6 Jul 73

[The role of anti-aldosterones in the treatment of arterial hypertension] Corvol P, et al. Rev Prat 23:671-2 passim, 11 Feb 73 (Fre)

[Changes of the renin-angiotensin system in fasting rats] Otokida K, et al. Jap J Nephrol 15:1-10, Jan 73 (Eng. Abstr.) (Jap)

[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al. Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Role of the proximal tubule in the regulation of urinary sodium excretion. Knox FG. Mayo Clin Proc 48:565-73, Aug 73

Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S. Metabolism 22:1027-32, Aug 73 (42 ref.)

Potassium, angiotensin and the dual control of aldosterone secretion. Laragh JH. N Engl J Med 289:745-7, 4 Oct 73

[Mechanism of action of aldosterone: a review of research in the Department of Molecular Biology 1968-1972] Trachewsky D. Union Med Can 102:857-69, Apr 73 (69 ref.) (Eng Abstr.) (Fre

[Functional state of the renin-hypertension-aldosterone system in chronic circulatory insufficiency] Kukes VG, et al. Klin Med (Mosk) 50:109-14, Nov 72 (Eng. Abstr.) (Rus

SECRETION

Study of the kinetics of aldosterone production by ra adrenal glands in vitro. Preliminary report. Margoulies M, et al. Ann Endocrinol (Paris) 33:632-4, Nov-Dec 72

Mineralocorticoids and rectal potential difference Beevers DG. Lancet 2:682-3, 22 Sep 73

Potassium, angiotensin and the dual control of aldosterone secretion. Laragh JH. N Engl J Med 289:745-7, 4 Oct 73

The renin-aldosterone system in acromegaly: follow-u report. Strauch G, et al. N Engl J Med 289:808, 11 Oct 7

The rational management of ascites. Conn HO. Prog Liver Dis 4:269-88, 1972 (115 ref.)

Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourtee years after removal of the tumor. Miyazaki G, et a Tohoku J Exp Med 109:365-75, Apr 73

Stimulation of aldosterone secretion by sodium depletion in anephric man. McCaa RE, et al. Trans Am Soc Artif Intern Organs 19:287-92, 197

[Determination of aldosterone secretion by radioimmunoassay] Takeuchi T, et al. Clin Endocrinol (Tokyo) 21:439-42, Apr 73 (Jap

[Plasma aldosterone levels in primary aldosteronism II. Aldosterone and ACTH] Fukuchi S, et al Folia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr (Jap

URINE

Renal tubular acidosis, presenting as a syndrom resembling Bartter's syndrome, in a patient wi arachnodactyly. Takeda R, et al. Acta Endocrinol (Kbh) 73:531-42, Jul 73

Relationships between weight changes and renf aldosterone, estrogens and progesterone in cyclic edema. Oelkers W, et al. Acta Endocrinol [Suppl] (Kbh) 173:159, 1973

Primary amenorrhoea with hypertension due t 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE d et al. Acta Med Scand 193:565-71, Jun 73

Plasma aldosterone-renin interrelationships in vario forms of essential hypertension. Studies using a rap assay of plasma aldosterone. Bühler FR, et Am J Cardiol 32:554-61, 20 Sep 73

Volume factor in low and normal renin essent hypertension. Treatment with either spironolacto or chlorthalidone. Vaughan ED Jr, et al. Am J Cardiol 32:523-32, 20 Sep 73

Six year follow-up of a child with Bartter syndror Ramanathan K, et al. Am J Dis Child 126:230-5, Aug

Spironolactone as a nonspecific treatment for prim aldosteronism. Bravo EL, et al. Circulation 48:491-8, Sep 73

LIBRARY OF L. URBANA-CHAMPAIGN

Measurement of urinary aldosterone by a simplified radioimmunoassay procedure. Drewes PA, et al. **Clin Biochem** 6:88-97, Jun 73

The histopathology of Conn's adenoma and of attached adrenal cortex. Maltinti G, et al. **Folia Endocrinol (Roma)** 26:85-101, Apr 73

Effect of altitude on renin-aldosterone system and metabolism of water and electrolytes. Hogan RP 3d, et al. **J Appl Physiol** 35:385-90, Sep 73

Postural effects on Na and steroid excretion, and serum renin activity during pregnancy. Lindheimer MD, et al. **J Appl Physiol** 35:343-8, Sep 73

A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. **J Pediatr** 83:432-7, Sep 73

Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S. **Metabolism** 22:1027-32, Aug 73 (42 ref.)

Effect of PGA1 on renin and aldosterone in man. Carr AA. **Prostaglandins** 3:621-8, May 73

[3 cases of Schwartz-Bartter syndrome during bronchial cancers observed in a department of general medicine in less than one year] Klepping C, et al. **Sem Hop Paris** 49:1087-92, 26 Mar 73 **(Fre)**

[Treatment of essential arterial hypertension with spironolactone: its value for the screening of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al. **Therapeutique** 49:127-30, Feb 73 **(Fre)**

[Simple radioimmunologic technic for the determination of urinary aldosterone excretion] Deck KA. **Verh Dtsch Ges Inn Med** 78:1605-7, 1972 **(Ger)**

Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP. **Kardiologiia** 13:84-90, May 73 (Eng. Abstr.) **(Rus)**

[Activity of plasma renin and aldosterone excretion in patients with macrofocal myocardial infarct and its complications] Omel'chenko AP. **Kardiologiia** 13:35-41, 1973 (Eng. Abstr.) **(Rus)**

Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**

[Corticosteroid level in experimental renal hypertension in rats] Markov KhM, et al. **Patol Fiziol Eksp Ter** 16:61-3, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

ANDROSTERONE

Application of an aqueous Zimmermann reagent for the determination of urinary 17-ketosteroids. Chiorboli E, et al. **Rev Bras Pesqui Med Biol** 6:27-30, Jan-Apr 73

ANALYSIS

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I. **Steroids** 21:511-9, Apr 73

Determination of androsterone sulfate in water solution by gas chromatography] Noel-Dulieu M. **Ann Biol Clin (Paris)** 31:335-40, 1973 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

[Clomiphene and aromatization of androgens into estrogens. Experiments on the pregnant rat] Marois M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

The production of reduced C19 steroids by the prepubertal rat testis from 5 -pregnane-3,20-dione. Richards G, et al. **J Endocrinol** 58:2-3, Jul 73

Testosterone metabolism in dog lung in vitro. Hartiala J, et al. **Steroids Lipids Res** 4:17-23, 1973

BLOOD

Metabolism and mode of action of androgens in target tissues of male rats. 3. Metabolism of 5 alpha-androstane-3,17-dione, of 5 alpha-androstane-3 beta,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol in target organs and peripheral tissues. Becker H, et al. **Acta Endocrinol (Kbh)** 73:407-16, Jun 73

Radioimmunoassay of plasma androsterone. Youssefnejadian E, et al. **Steroids** 22:63-72, Jul 73

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I. **Steroids** 21:511-9, Apr 73

METABOLISM

Testosterone metabolism in slices and subcellular fractions of human liver. Engelhardt D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:132, 1973

Retention of androgens: a sex characteristic of rat liver. Ghraf R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:134, 1973

PHARMACODYNAMICS

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73

[Clomiphene and aromatization of androgens into estrogens. Experiments on the pregnant rat] Marois M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

URINE

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:167, 1973

Androsterone-etiocholanolone ratios in male homosexuals. Margolese MS, et al. **Br Med J** 3:207-10, 28 Jul 73

Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al. **Lab Invest** 29:81-9, Jul 73

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al. **Clin Chim Acta** 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abstr.) **(Ger)**

[Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 (Eng. Abstr.) **(Ita)**

[Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al. **Folia Endocrinol (Roma)** 26:110-7, Apr 73 (Eng. Abstr.) **(Ita)**

BETAMETHASONE

ADMINISTRATION & DOSAGE

Elimination of severe height growth suppression caused by treatment with betamethasone after switching to ACTH-depot in chronic bronchial asthma. Moulaert AJ, et al. **Helv Paediatr Acta** 27:55-62, Apr 72

ADVERSE EFFECTS

Classification of skin diseases. Seiler ER. **Br Med J** 3:354, 11 Aug 73

Elimination of severe height growth suppression caused by treatment with betamethasone after switching to ACTH-depot in chronic bronchial asthma. Moulaert AJ, et al. **Helv Paediatr Acta** 27:55-62, Apr 72

BETAMETHASONE

THERAPEUTIC USE

Carpal tunnel syndrome associated with rubella immunization. Hale MS, et al.
Am J Phys Med 52:189-94, Aug 73

Classification of skin diseases. Seiler ER.
Br Med J 3:354, 11 Aug 73

Abductor pollicis longus bursitis. Wood MB, et al.
Clin Orthop 93:293-6, Jun 73

Elimination of severe height growth suppression caused by treatment with betamethasone after switching to ACTH-depot in chronic bronchial asthma. Moulaert AJ, et al.
Helv Paediatr Acta 27:55-62, Apr 72

Premature labour at Groote Schuur Hospital. Baillie P, et al. **S Afr Med J** 47:1299-301, 28 Jul 73

CORTICOSTERONE

[Mineralocorticoids and essential hypertension] Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Evidence for two corticosteroid receptor mechanisms in the feedback control of corticotrophin secretion. Jones MT, et al. **J Physiol (Lond)** 232:97P-98P, Jul 73

ADVERSE EFFECTS

Viral investigations in ulcerative colitis and regional enteritis. Farmer GW, et al.
Gastroenterology 65:8-18, Jul 73

ANALYSIS

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I.
Steroids 21:511-9, Apr 73

[The effect of vibration on corticosterone and nicotinamide-adenine-dinucleotide-phosphate level in the rat adrenal and serum] Sugawara N, et al.
Jap J Hyg 27:347-52, Aug 72 (Eng. Abstr.) **(Jap)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of self-stimulation on adrenocortical activity in the rat. Sadowski B, et al.
Acta Physiol Acad Sci Hung 42:157-62, 1972

Metabolic regulation of steroid steroidogenesis in isolated adrenal and adrenocortical carcinoma cells of rat. The incorporation of (20S)-20-(7- 3 H)hydroxycholesterol into deoxycorticosterone and corticosterone. Sharma RK, et al.
Arch Biochem Biophys 156:560-2, Jun 73

The synthesis of corticosterone by the adrenal tissue of the lizard Tiliquarugosa. Bourne AR, et al.
Comp Biochem Physiol [B] 45:275-7, 15 May 73

The relationship of rapidly labeled adrenal RNA synthesis to steroidogenesis in a superfusion system: effect of ACTH. Castells S, et al.
Endocrinology 93:285-91, Aug 73

Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al.
Endocrinology 93:517-26, Sep 73

In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 21:99-107, Aug 73

The effect of increased K+ concentration and serotonin on cyclic AMP and corticosterone output by dispersed adrenal zona glomerulosa cells. Albano JD, et al. **J Endocrinol** 58:xi, Jul 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M.
J Endocrinol 58:251-62, Aug 73

[Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) **(Rus)**

BLOOD

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973

Cortisol, cortisone, and corticosterone in plasma following ACTH-stimulation during the first 6 hours of life. Willig RP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:36, 1973

Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 73

Lack of effect of pinealectomy on the diurnal rhythm in drug metabolism. Heikkinen E, et al.
Acta Pharmacol Toxicol (Kbh) 32:157-60, 1973

Dominance relations and the pituitary-adrenal system in rats. Popova NK, et al. **Anim Behav** 20:108-11, Feb 72

Effects of weaning age and adult handling on avoidance conditioning, open-field behavior, and plasma corticosterone of adult rats. Joffe JM, et al.
Behav Biol 9:235-44, Aug 73

Decreased binding of insulin to its receptors in rats with hormone induced insulin resistance. Goldfine ID, et al. **Biochem Biophys Res Commun** 53:852-7, 6 Aug 73

Reduction by 9-tetrahydrocannabinol in the blood pressure of hypertensive rats bearing regenerated adrenal glands. Birmingham MK.
Br J Pharmacol 48:169-71, May 73

Microdetermination of adrenocortical steroids by double isotope method. I. Determination of cortisol and corticosterone in blood as thiosemicarbazone-35S Kunugi A, et al.
Chem Pharm Bull (Tokyo) 21:503-10, Mar 73

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA et al. **Dev Psychobiol** 6:123-9, Mar 73

Effect of ouabain in vivo on corticosterone secretion o rat adrenal gland. Inaba M, et al.
Endocrinol Jap 19:557-65, Dec 72

Microdetermination of adrenocortical steroids by double isotope method (II). Fractional determinatio of corticosteroids: free and protein-bound cortisol corticosterone in plasma. Kunugi A, et al.
Endocrinol Jap 20:23-31, Feb 73

Dextran-coated charcoal technique to make the hormone-free serum as a diluent for standard curve o radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73

Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, et al
Endocrinology 93:835-42, Oct 73

Effect of Bordetella pertussis vaccine on plasm corticosterone level and on ACTH-induced corticosterone secretion in rats. Csaba B, et a
Experientia 29:112-3, 1 May 73

Lack of immediate response of liver thyrosine-alpha-ketoglutarate transaminase to exogenous adrenaline in the adrenalectomized ra Németh S. **Experientia** 29:41-2, 1 May 73

Periodic hypokalaemic paralysis, adrenal adenoma, an normal colonic transport of sodium and potassiur Richards P, et al. **Gut** 14:478-84, Jun 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al.
Horm Metab Res 5:279-82, Jul 73

Biological ACTH activity of lipid mobilizing peptic fractions from hog pituitaries. Müller OA, et
Horm Metab Res 5:58-61, Jul 73

Time and level of increased plasma corticostero necessary for induction of liver tyrosine aminotransferase in rats subjected to trauma. Néme S, et al. **Horm Metab Res** 5:283-5, Jul 73

The control of arginine-induced insulin secretion in t rat: the role of catecholamines. Bacchus RA, et
J Endocrinol 58:111-22, Jul 73

The effect of adrenalectomy on blood corticotrophin the rat. Buckingham JC, et al. **J Endocrinol** 58:8, Jul

Determination of corticosterone in rat plasma competitive protein-binding assay and its use assessing the effects of CB154 and perphenazine adrenal function. Cameron EH, et al.
J Endocrinol 58:27-8, Jul 73

Corticosteroid release by adrenal tissue from foe and newborn lambs in response to corticotropi stimulation in a perifusion system in vitro. Madill D al. **J Endocrinol** 58:78-87, Jul 73

Measurement of various corticosteroids in foetal sheep plasma near term. Wilson DW, et al. **J Endocrinol** 58:v, Jul 73

Tyrosine-alpha-ketoglutarate aminotransferase activity in rat liver after spinal cord section. Vaptzarova KI, et al. **J Neurochem** 21:291-300, Aug 73

Effects of adrenalectomy and of hypophysectomy on the development of sound-withdrawal hypertension. Marwood JF, et al. **J Pharm Pharmacol** 25:96-100, Feb 73

Corticosteroids in psychiatric patients: subacute and diurnal effects on free fatty acid and catecholamine metabolism. Silbergeld S, et al. **J Psychiatr Res** 10:59-71, Jun 73

A simple trauma model in the rat. Munster AM, et al. **J Trauma** 13:827-8, Sep 73

Effects of hypothalamic stimulation on pituitary-adrenocortical activity in conscious unrestrained pigeons. Bouillé C, et al. **Neuroendocrinology** 12:284-94, 1973

Postweaning development of negative feedback in the pituitary-adrenal system of the rat. Goldman L, et al. **Neuroendocrinology** 12:199-211, 1973

Diurnal changes of hypothalamic content of corticotropin-releasing activity in female rats at various stages of the estrous cycle. Hiroshige T, et al. **Neuroendocrinology** 12:316-9, 1973

Tissue CRF: an extra-hypothalamic corticotrophin releasing factor (CRF) in the peripheral blood of stressed rats. Lymangrover JR, et al. **Neuroendocrinology** 12:225-35, 1973

Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et al. **Neuroendocrinology** 12:257-71, 1973

Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al. **Neuroendocrinology** 12:179-91, 1973

RNA metabolism in the rat brain during learning following intravenous and intraventricular injections of 3H-cytidine. Kottler PD, et al. **Physiol Behav** 8:291-7, Feb 72

The effect of bee venom on serum corticosterone levels and adrenal mitochondrial cytochrome P-450 in intact and hypophysectomized rats. Alfano JA, et al. **Toxicon** 11:101-2, Jan 73

Influence of breast feeding and weaning on the induction of adult-type circadian rhythm of plasma corticosterone in the rat] Manley J, et al. **C R Acad Sci [D] (Paris)** 276:2577-80, 2 May 73 **(Fre)**

Effect of administration of ethanol on plasma corticosterone and urinary elimination of catecholamines] Bravo Veloso L, et al. **C R Soc Biol (Paris)** 166:1738-42, 1972 **(Fre)**

Comparative affinity of embryonal and maternal serums for corticosterone and progesterone in the rat] Savu L, et al. **Eur J Biochem** 35:464-70, 15 Jun 73 (Eng. Abstr.) **(Fre)**

Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) **(Ita)**

The effect of vibration on corticosterone and nicotinamide-adenine-dinucleotide-phosphate level in the rat adrenal and serum] Sugawara N, et al. **Jap J Hyg** 27:347-52, Aug 72 (Eng. Abstr.) **(Jap)**

Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al. **Probl Endokrinol (Mosk)** 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

Experimental data on the adrenocorticolytic activity of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-4, May-Jun 73 (Eng. Abstr.) **(Rus)**

Modification of Van der Vies' method for the determination of cortisol in human plasma] Háčik T, et al. **Bratisl Lek Listy** 60:175-81, Aug 73 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

The synthesis of corticosterone by the adrenal tissue of the lizard Tiliquarugosa. Bourne AR, et al. **Comp Biochem Physiol [B]** 45:275-7, 15 May 73

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I. **Steroids** 21:511-9, Apr 73

Colorimetric determination of steroid hormones in the blood] Usui T, et al. **Jap J Clin Pathol** 20:387-90, Jun 72 **(Jap)**

METABOLISM

In-vitro corticosteroid synthesis in rat adrenals. II. Evidence for (an) alternative pathway(s) of synthesis. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:74, 1973

In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:73, 1973

Microbiological transformation of bile acids. Hayakawa S. **Adv Lipid Res** 11:143-92, 1973 (145 ref.)

Daily rhythmic variatioins in hamster liver drug metabolism and associated parameters. Burke MD, et al. **Biochem J** 130:72P, Nov 72

Stereoselective inhibition of steroid 11-beta-hydroxylation in ox and sheep adrenocortical mitochondria: comparison of metyrapone and the enantiomers of 2-(4-aminophenyl)-2-phenethylamine (SKF-12185). Hewick DS, et al. **Biochem Pharmacol** 22:1653-9, 1 Jul 73

Properties of corticosterone-binding macromolecules from rat brain cytosol. Grosser BI, et al. **Brain Res** 57:387-95, 27 Jul 73

Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al. **Brain Res** 57:373-86, 27 Jul 73

Changes in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73

Corticosteroidogenesis and its relation to ACTH dependence of mitochondrial components. Ruhmann-Wennhold A, et al. **Endocrinology** 93:977-82, Oct 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al. **Horm Metab Res** 5:279-82, Jul 73

Pituitary-adrenal responsiveness during lactation in rats. Stern JM, et al. **Neuroendocrinology** 12:179-91, 1973

Contraception. Swyer GI. **Trans Med Soc Lond** 88:191-7, 1972

PHARMACODYNAMICS

Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:44, 1973

Role of cyclic AMP and Ca++ in metabolic and mechanical events in smooth muscle. Andersson R, et al. **Adv Cyclic Nucleotide Res** 1:213-29, 1972

Study of the kinetics of aldosterone production by rat adrenal glands in vitro. Preliminary report. Margoulies M, et al. **Ann Endocrinol (Paris)** 33:632-4, Nov-Dec 72

Metabolism of androst-4-ene-3,17-dione by subcellular fractions of rat adrenal tissue with particular reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al. **Biochem J** 132:283-91, Feb 73

Morphine analgesia, tolerance and physical dependence in the adrenalectomized rat. Wei E. **Br J Pharmacol** 47:693-9, Apr 73

Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73

Hormonal control of fat metabolism in the frog, Rana temporaria. Harri MN, et al. **Gen Comp Endocrinol** 21:129-37, Aug 73

Time and level of increased plasma corticosterone necessary for induction of liver tyrosine aminotransferase in rats subjected to trauma. Németh S, et al. **Horm Metab Res** 5:283-5, Jul 73

The effect of corticosterone on extraneuronal amine uptake and effector response in rat salivary glands. Almgren O, et al. **J Pharm Pharmacol** 25:537-43, Jul 73

Evidence for two corticosteroid receptor mechanisms in the feedback control of corticotrophin secretion. Jones MT, et al. **J Physiol (Lond)** 232:97P-98P, Jul 73

Serum acid phosphatase activity during hemorrhagic shock. Ramazzotto LJ, et al. **Life Sci [II]** 12:563-73, 22 Jun 73

An in vitro assay for corticotropin releasing factor(s) using suspensions of isolated pituitary cells. Portanova R, et al. **Neuroendocrinology** 12:236-48, 1973

[SLE and pregnancy--effect of exogenous

corticosteroids on urinary excretion of estriol] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref.) (Jap)

SECRETION

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73
Effect of ouabain in vivo on corticosterone secretion of rat adrenal gland. Inaba M, et al.
Endocrinol Jap 19:557-65, Dec 72
Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73
The relationship of rapidly labeled adrenal RNA synthesis to steroidogenesis in a superfusion system: effect of ACTH. Castells S, et al.
Endocrinology 93:285-91, Aug 73
Effect of Bordetella pertussis vaccine on plasma corticosterone level and on ACTH-induced corticosterone secretion in rats. Csaba B, et al.
Experientia 29:112-3, 1 May 73
Biological ACTH activity of lipid mobilizing peptide fractions from hog pituitaries. Müller OA, et al.
Horm Metab Res 5:58-61, Jul 73
Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. Madill D, et al. **J Endocrinol** 58:78-87, Jul 73

THERAPEUTIC USE

Radiation necrosis of the larynx. Etiology and management. Stell PM, et al.
Arch Otolaryngol 98:111-3, Aug 73
The problems of drug treatment of breast cancer. Perlia CP. **Semin Drug Treat** 3:87-100, Summer 73
Granuloma formation. James DG.
Trans Med Soc Lond 88:116-49, 1972
[SLE and pregnancy--effect of exogenous corticosteroids on urinary excretion of estriol] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref.) (Jap)

URINE

[Measurement of steroid excretion in rats during ACTH administration for the induction of experimental atheromatosis] Hartmann F, et al.
Verh Dtsch Ges Inn Med 78:1227-9, 1972 (Ger)
[Corticosteroid level in experimental renal hypertension in rats] Markov KhM, et al.
Patol Fiziol Eksp Ter 16:61-3, Nov-Dec 72 (Eng. Abstr.) (Rus)

CORTISONE

The course of palate closure in embryos of different mouse strains. Dostál M, et al.
Acta Chir Plast (Praha) 15:23-8, 1973
Vascular changes accompanying dysmetabolism in rabbits. Volk BW, et al.
Adv Metab Disord 2:Suppl 2:251-6, 1973
The muscle spindle in cortisone-induced muscular atrophy. Stern LZ, et al. **Exp Neurol** 40:484-90, Aug 73
Affinity labeling of steroid binding sites. Study of the active site of 20-beta-hydroxysteroid dehydrogenase with 6-beta- and 11 alpha-bromoacetoxyprogesterone. Arias F, et al. **J Biol Chem** 248:5641-7, 25 Aug 73
Reduced C.S.F. absorption syndrome. Reappraisal of benign intracranial hypertension and related conditions. Johnston I.
Lancet 2:418-21, 25 Aug 73 (32 ref.)
Influence of sex-linked genes on embryonic sensitivity to cortisone in three strains of mice. Francis BM.
Teratology 7:119-25, Apr 73
[Etiology and treatment of gastric ulcer--results of experimental ulcer induced by clamping and cortisone or serosa searing] Umehara C.
Jap J Gastroenterol 70:351-8, Apr 73 (41 ref.) (Jap)

ADMINISTRATION & DOSAGE

Effects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al.
Acta Anat (Basel) 85:386-94, 1973
Experimental study of latency in typhus infection. Ignatovich VF.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:176-83, 1973
When should you consider a cortisone prep? Olin R.
Med Times 100:64-9, Sep 72
Cortisone induction of small bowel sucrase activity.
Nutr Rev 31:158-9, May 73 (4 ref.)
Circadian uptake of H-thymidine in the rat incisor under the influence of cortisone. Kiely ML, et al.
Proc Soc Exp Biol Med 143:844-9, Jul 73
Further data on the slit-lid mutant in mice and the effect of cortisone and doca on its development. Stein KF, et al. **Teratology** 8:51-4, Aug 73
[Influence of ACTH, metopirone and cortisone on central regulatory centers] Mühlen K aus der, et al.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (Eng. Abstr.) (Ger)
[Changes in the cervix uteri during corticosteroid administration] Guhr O.
Munch Med Wochenschr 115:1020-2, 1 Jun 73 (Eng. Abstr.) (Ger)
[Effect of cortisone megadoses on meso-appendicular microcirculation in the rat] Novelli GP, et al.
Minerva Anestesiol 39:220-7, May 73 (Eng. Abstr.) (Ita)
[Studies on insulinemia in parents of diabetic children] Szybiński Z, et al.
Przegl Lek 30:441-7, 1973 (Eng. Abstr.) (Pol)
[Clearance of cortisol in long-term corticotherapy] Ladero Quesada JM, et al.
Rev Clin Esp 129:357-62, 31 May 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

The effect of anti-inflammatory drugs on parturition parameters in the rat. Waltman R, et al.
Prostaglandins 4:93-106, Jul 73
[Prevention of a cortisone--induced ulcer using antacids?] Kutter D.
Dtsch Med Wochenschr 98:1583, 24 Aug 73 (Ger)
[Changes in the cervix uteri during corticosteroid administration] Guhr O.
Munch Med Wochenschr 115:1020-2, 1 Jun 73 (Eng Abstr.) (Ger)
[Cortisone lesions due to antirheumatic drug combinations] Lehmpfuhl W.
Z Allgemeinmed 49:916-23, 10 Jul 73 (Ger)

BIOSYNTHESIS

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M.
J Endocrinol 58:251-62, Aug 73
[Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) (Rus)

BLOOD

Radioimmunoassay of plasma progesterone. Friedric E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:112, 197
Cortisol, cortisone, and corticosterone in plasm following ACTH-stimulation during the first 6 hour of life. Willig RP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:36, 1973
Microdetermination of adrenocortical steroids b double isotope method (II). Fractional determinatio of corticosteroids: free and protein-bound cortiso corticosterone in plasma. Kunugi A, et al.
Endocrinol Jap 20:23-31, Feb 73
Measurement of various corticosteroids in foetal shee plasma near term. Wilson DW, et al.
J Endocrinol 58:v, Jul 73
Effect of cortisone therapy on serum complemen components. Atkinson JP, et al.
J Immunol 111:1061-6, Oct 73

DIAGNOSTIC USE

Plasma levels of growth hormone and glucagon diabetic patients and relatives of diabetic patient Knopf RF, et al.
Adv Metab Disord 2:Suppl 2:215-25, 1973
[Primary hyperparathyroidism. Symptomatology in series of 100 cases] Liévre JA, et al.
Ann Med Interne (Paris) 124:1-8, Jan 73 (Eng. Abstr (Fr

METABOLISM

urther observations on the activation of lysosomal acid alpha-glucosidase by cortisone derivatives. Bourne EJ, et al. **Biochem J** 132:435-8, Mar 73

rinary corticosteriod and diphenylhydantoin metabolite patterns in neonates exposed to anticonvulsant drugs in utero. Reynolds JW, et al. **Clin Pharmacol Ther** 14:891-7, Sep-Oct 73

hanges in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73

nfluence of aluminium- and magnesium hydroxide (Alucol) on cortisone absorption] Galeazzi RL, et al. **Schweiz Med Wochenschr** 103:1021-3, 21 Jul 73 (Eng. Abstr.) **(Ger)**

Clearance of cortisol in long-term corticotherapy] Ladero Quesada JM, et al. **Rev Clin Esp** 129:357-62, 31 May 73 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

ffects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al. **Acta Anat (Basel)** 85:386-94, 1973

tudies on the mechanism of the stimulation of tyrosine aminotransferase activity in vivo by pyrimidine analogs: the role of enzyme synthesis and degradation. Cihak A, et al. **Arch Biochem Biophys** 156:176-87, May 73

tryptophan inhibition of tyrosine aminotransferase degradation in rat liver in vivo. Cihak A, et al. **Arch Biochem Biophys** 156:188-94, May 73

ffects of cortisone, starvation, and rickets on oxidative enzyme activities of epiphyseal cartilage from rats. Meyer WL, et al. **Arch Biochem Biophys** 156:122-33, May 73

proposed model for the glucocorticoidal regulation of rat hepatic ribosomal RNA synthesis. Yu FL, et al. **Biochem Biophys Res Commun** 53:754-60, 6 Aug 73

urther observations on the activation of lysosomal acid alpha-glucosidase by cortisone derivatives. Bourne EJ, et al. **Biochem J** 132:435-8, Mar 73

ortisol-induced inhibition of amino acid transport in thymic lymphocytes: kinetic parameters; relation to ATP levels and protein synthesis; and specificity. Baran DT, et al. **Biochim Biophys Acta** 307:627-39, 25 May 73

orticosteroid-dependent cycloheximide-evoked ncrease of sucrase and maltase in the jejunum of suckling rats. Koldovský O, et al. **Biochim Biophys Acta** 309:370-8, 6 Jun 73

rotein synthesis in Fundulus heteroclitus muscle. Jackim E, et al. **Comp Biochem Physiol [A]** 44:851-66, 1 Mar 73

drenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al. **Endocrinology** 93:566-74, Sep 73

timulation of lipolysis and calcium accumulation by parathyroid hormone in rat adipose tissue in vitro after adrenalectomy and administration of high doses of cortisone acetate. Werner S, et al. **Horm Metab Res** 5:292-6, Jul 73

ells involved in the graft-versus-host reaction in vitro. Kerckhaert JA, et al. **Immunology** 25:103-10, Jul 73

ndocrine & metabolic response to electric shock in rabbits. II. Changes in cortisone & insulin treated rabbits. Singh AK, et al. **Indian J Exp Biol** 10:412-4, Nov 72

comparative study of the mechanisms of passive cutaneous anaphylaxis induced by mouse IgG, rabbit IgG, and rabbit F(ab')2 antibodies. Casey FB, et al. **Int Arch Allergy Appl Immunol** 44:644-56, 1973

enetration of spermatozoa into the uterine mucosa: a possible cause of infertility in the human. Stein-Werblowsky R. **Int J Fertil** 18:74-80, 1973

he influence of cortisone and implantation site on bone and cartilage induction in various animals. Wlodarski K, et al. **J Bone Joint Surg [Br]** 55:595-603, Aug 73

ffects of 1,25-dihydroxycholecalciferol on intestinal alcium transport in cortisone-treated rats. Favus MJ, et al. **J Clin Invest** 52:1680-5, Jul 73

etabolic effects of exogenous glucocorticoids in asted man. Owen OE, et al. **J Clin Invest** 52:2596-605, Oct 73

ossible role of endotoxemia during immunologic mbalance. Chedid L. **J Infect Dis** 128:Suppl:112-7, Jul 73

Cortisone induction of small bowel sucrase activity. **Nutr Rev** 31:158-9, May 73 (4 ref.)

Circadian uptake of H-thymidine in the rat incisor under the influence of cortisone. Kiely ML, et al. **Proc Soc Exp Biol Med** 143:844-9, Jul 73

The effect of anti-inflammatory drugs on parturition parameters in the rat. Waltman R, et al. **Prostaglandins** 4:93-106, Jul 73

Further data on the slit-lid mutant in mice and the effect of cortisone and doca on its development. Stein KF, et al. **Teratology** 8:51-4, Aug 73

The in vivo activity of in vitro immunized mouse thymocytes. 3. Fate of in vitro immunized thymocytes. Rouse BT, et al. **Transplantation** 16:161-70, Sep 73

[Histochemical studies of the secretory activity of the gastric mucosa in dogs] Gérard A. **Ann Anat Pathol (Paris)** 17:355-77, Jul-Sep 72 (Eng. Abstr.) **(Fre)**

[Effect of cortisone megadoses on meso-appendicular microcirculation in the rat] Novelli GP, et al. **Minerva Anestesiol** 39:220-7, May 73 (Eng. Abstr.) **(Ita)**

[Studies on insulinemia in parents of diabetic children] Szybiński Z, et al. **Przegl Lek** 30:441-7, 1973 (Eng. Abstr.) **(Pol)**

[Urinary excretion of 17-hydroxycorticosteroids and 17-ketosteroids in acute and chronic liver diseases under cortisone load] Chernyshov VG. **Probl Endokrinol (Mosk)** 19:22-5, May-Jun 73 **(Rus)**

PHYSIOLOGY

[Influence of ACTH, metopirone and cortisone on central regulatory centers] Mühlen K aus der, et al. **Gegenbaurs Morphol Jahrb** 119:275-87, 1973 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Congenital adrenal hyperplasia. Report of a case with neurological complications. Hanefeld F, et al. **Arch Dis Child** 48:554-9, Jul 73

A therapeutic evaluation to the pathogeneses of deep keratitis of obscure origin. Hamed HH. **Bull Ophthalmol Soc Egypt** 65:115-20, 1972

A case of hypopituitarism associated with sickle cell trait. Robertson JC. **Guys Hosp Rep** 121:223-6, 1972

The story of rheumatology in Chicago. Traut EF. **Ill Med J** 144:67-8 passim, Jul 73

Effect of cortisone therapy on serum complement components. Atkinson JP, et al. **J Immunol** 111:1061-6, Oct 73

Tumor regression mediated by Mycobacterium bovis (strain BCG). Effects of isonicotinic acid hydrazide, cortisone acetate, and antithymocyte serum. Chung EB, et al. **J Natl Cancer Inst** 51:241-50, Jul 73

Male infertility: an optimistic report. Stewart BH, et al. **J Urol** 110:216-8, Aug 73

Chemical irritation of nerve-root in disc prolapse. Marshall LL, et al. **Lancet** 2:320, 11 Aug 73

Delayed dermal hypersensitivity to autologous lymphocytes in multiple sclerosis. Morariu M, et al. **Neurology (Minneap)** 23:808-11, Aug 73

[Horton's disease. Neuropsychological disorders and hyperammoniemia (apropos of a case)] Gouin B, et al. **Ann Med Interne (Paris)** 123:1047-50, Dec 72 **(Fre)**

[Late recurrence of mediastino-pulmonary sarcoidosis treated continyuously with cortisone for 2 years] Turiaf J, et al. **Ann Med Interne (Paris)** 124:31-6, Jan 73 **(Fre)**

[Tuberculous cervical lymphadenopathies. Medical or surgical treatment?] Marland P, et al. **Poumon Coeur** 28:105-13, 1972 (Eng. Abstr.) **(Fre)**

[Facial paralysis] Morrissette Y. **Vie Med Can Fr** 2:534-40, Jun 73 **(Fre)**

[Changes in the cervix uteri during corticosteroid administration] Guhr O. **Munch Med Wochenschr** 115:1020-2, 1 Jun 73 (Eng. Abstr.) **(Ger)**

[Cortisone lesions due to antirheumatic drug combinations] Lehmpfuhl W. **Z Allgemeinmed** 49:916-23, 10 Jul 73 **(Ger)**

[Clearance of cortisol in long-term corticotherapy] Ladero Quesada JM, et al. **Rev Clin Esp** 129:357-62, 31 May 73 (Eng. Abstr.) **(Spa)**

TOXICITY

[Acute gastroduodenal ulcer (review of the

CORTISONE

literature)] Sandomirskii BP.
Klin Khir 12:53-8, Dec 72 (Rus)

DEHYDROEPIANDROSTERONE

Microbial transformation of cholesterol into coprostanol. Properties of a 3-oxo- 4-steroid-5 beta-reductase. Björkhem I, et al.
Eur J Biochem 37:143-7, 1 Aug 73
Application of an aqueous Zimmermann reagent for the determination of urinary 17-ketosteroids. Chiorboli E, et al. **Rev Bras Pesqui Med Biol** 6:27-30, Jan-Apr 73

ADMINISTRATION & DOSAGE

Gout and dehydroepiandrosterone. 3. DHEA administration. Sonka J, et al.
Endokrynol Pol 24:209-18, May-Jun 73

ANALYSIS

Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73
[Hydroxylation of progesterone and pregnenolone in the adrenal mitochondria of swine] Afinogenova SA, et al.
Probl Endokrinol (Mosk) 19:66-70, May-Jun 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Steroid sulphation in vitro by human breast cancer tissue. Melville E, et al. **Br J Cancer** 28:77, Jul 73

BLOOD

Protein binding of sulfoconjugated DHEA. Schirazi M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:72, 1973
Toxemia of pregnancy. Mechanism and therapeutic management. Speroff L.
Am J Cardiol 32:582-91, 20 Sep 73 (67 ref.)
Gout and dehydroepiandrosterone. II. Plasma and urinary dehydroepiandrosterone correlated to some clinical and biochemical data. Sonka J, et al.
Endokrynol Pol 24:201-8, May-Jun 73
The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al.
J Clin Endocrinol Metab 37:183-9, Aug 73
Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73
Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al.
Recent Results Cancer Res 39:177-83, 1972

METABOLISM

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
Comparative studies on the enzymatic cleavage of steroid esters in different tissues of the rat and in adipose human tissue. Bellmann O, et al.
Acta Endocrinol [Suppl] (Kbh) 173:138, 1973
Biosynthesis of steroid sulfatides. Benes P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:79, 1973
Perfusion of the human kidney with 7alpha-3H-DHEA sulfatide. Hoffmann G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:140, 1973
Protein binding of sulfoconjugated DHEA. Schirazi M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:72, 1973
Enzymic sulphation of p-nitrophenol and steroids by larval gut tissues of the southern armyworm (Prodenia evidania Cramer). Yang RS, et al.
Biochem J 130:487-93, Nov 72
Androgen metabolism in human neoplastic and normal breast tissue. Miller WR, et al. **Br J Cancer** 28:77, Jul 73
Gout and dehydroepiandrosterone. II. Plasma and urinary dehydroepiandrosterone correlated to some clinical and biochemical data. Sonka J, et al.
Endokrynol Pol 24:201-8, May-Jun 73
Inhibition of testosterone biosynthesis by medrogestone. Givner ML, et al.
Experientia 28:1105-6, 15 Sep 72
The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al.
J Clin Endocrinol Metab 37:183-9, Aug 73
Metabolism of 3-beta-hydroxy-5-ene steroids by teste of rats acclimatized to a hot environment. Bedrak E, e al. **J Endocrinol** 58:207-17, Aug 73
Intermediates in the biosynthesis of oestrogen by th hamster adrenal. Rubens R, et al.
J Endocrinol 58:x, Jul 73
[Dehydroepiandrosterone deficiency as a non-infectious epidemiologic factor in the development of late gestosis] Fassati M, et a
Cesk Gynekol 38:56-8, 1973 (Cz
[Late gestosis and obesity in long-term study aft birth] Fassati P, et al. **Cesk Gynekol** 38:82-3, 1973 (Cz
[Organ findings in psoriasis] Holzmann H, et a
Dtsch Med Wochenschr 98:1535-6, 11 Aug 73 (Ge
[SLE and pregnancy--effect of exogenous corticosteroids on urinary excretion of estriol] Iizul R, et al.
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref (Ja

PHARMACODYNAMICS

Inhibition of glucose-6-phosphate dehydrogenase synthetic steroids and steroid conjugates. Oertel G et al. **Acta Endocrinol [Suppl] (Kbh)** 173:114, 19
Effects of cold exposure, thyroid extract, methylthiouracil and dehydroepiandrosterone glucose 6-phosphate and 6-phosphogluconate dehydrogenases in rat liver and erythrocytes Hilgertová J, et al. **Horm Metab Res** 5:286-9, Jul
[Changes of the renin-angiotensin system in fasti rats] Otokida K, et al.
Jap J Nephrol 15:1-10, Jan 73 (Eng. Abstr.) (Ja

THERAPEUTIC USE

Gout and dehydroepiandrosterone. 3. DHEA administration. Sonka J, et al.
Endokrynol Pol 24:209-18, May-Jun 73

URINE

Gout and dehydroepiandrosterone. II. Plasma a urinary dehydroepiandrosterone correlated to so clinical and biochemical data. Sonka J, et a
Endokrynol Pol 24:201-8, May-Jun 73
Gout and dehydroepiandrosterone. I. DHEA excreti Sonka J, et al. **Endokrynol Pol** 24:193-9, May-Jun
Ultrastructure of a human chorionic gonadotropin-a adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et
Lab Invest 29:81-9, Jul 73
[Qualitative and quantitative analyses of urin 17-ketosteroids and 20-hydroxy-21-deoxysteroids gas-liquid chromatography and mass spectromet Desgres J, et al.
Clin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) (F
[Functional state of the adrenal cortex in malign tumors of the ovaries during thio-TEPA treatme Pankov AK, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (R

DESOXYCORTICOSTERONE

A specific progesterone-binding component of hun breast cyst fluid. Pearlman WH, et al.
J Biol Chem 248:5736-41, 25 Aug 73
Time course of decrease in blood pressure and in bl pressure response to vasopressor agents dur pregnancy in the rat. Teeuw AH, et al.
Pfluegers Arch 341:197-208, 6 Jul 73
[Mineralocorticoids and essential hypertension Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (I Abstr.) (I
[Synthesis of alpha-D-glycosides] Helferich B, et
Chem Ber 106:715-6, 1973 (C
[Effect of preliminary cold adaptation on th development of experimental hypertonia] Meer FZ, et al.
Dokl Akad Nauk SSSR 210:1243-5, 11 Jun 73 (F

ADMINISTRATION & DOSAGE

Mechanism of natriuresis after closure of chr arteriovenous shunts. Mandin H.
J Clin Invest 52:2225-33, Sep 73

U. OF L. URBANA-CHAMPAIGN

ADVERSE EFFECTS

Adverse effects of corticosteroids on the course and outcome of acute radiation injury] Vlasenko SP, et al. **Radiobiologiia** 13:106-9, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-yl) propionic acid gamma-lactone, its preparation and antimineralocorticoid activity. Chinn LJ, et al. **J Med Chem** 16:839-43, Jul 73

BIOSYNTHESIS

etabolic regulation of steroid steroidogenesis in isolated adrenal and adrenocortical carcinoma cells of rat. The incorporation of (20S)-20-(7- 3 H)hydroxycholesterol into deoxycorticosterone and corticosterone. Sharma RK, et al. **Arch Biochem Biophys** 156:560-2, Jun 73

odification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al. **Endocrinology** 93:517-26, Sep 73

iosynthesis of 11-deoxycorticosteroids by teleost ovaries and discussion of their possible role in oocyte maturation and ovulation. Colombo L, et al. **Gen Comp Endocrinol** 21:168-78, Aug 73

n vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol** 21:99-107, Aug 73

Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN. **Kardiologiia** 13:41-4, 1973 (Eng. Abstr.) **(Rus)**

BLOOD

-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:76, 1973

eriodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Richards P, et al. **Gut** 14:478-84, Jun 73

METABOLISM

n-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:73, 1973

n-vitro corticosteroid synthesis in rat adrenals. II. Evidence for (an) alternative pathway(s) of synthesis. Diedrichsen G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:74, 1973

emonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 73

exual differences in hepatic sulphuryiation of deoxycorticosterone in rats. Carlstedt-Duke J, et al. **Eur J Biochem** 36:172-7, 2 Jul 73

n vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol** 21:99-107, Aug 73

PHARMACODYNAMICS

he role of a feedback mechanism in the regulation of aldosterone secretion in the rat. Debreceni L, et al. **Acta Endocrinol (Kbh)** 73:282-8, Jun 73

enal response in sepsis. Hermreck AS, et al. **Arch Surg** 107:169-75, Aug 73

hibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73

ysosomal hydrolases of the eye tissues and the effect of corticosteroids on their activity. Kasavina BS, et al. **Exp Eye Res** 16:227-33, Jul 73

ctions of hydrocortisone, desoxycorticosterone acetate and progesterone on 14C-norepinephrine uptake and metabolism by rabbit aorta. Williams PB, et al. **Pharmacology** 9:262-9, 1973

urther data on the slit-lid mutant in mice and the effect of cortisone and doca on its development. Stein KF, et al. **Teratology** 8:51-4, Aug 73

Plasma aldosterone levels in primary aldosteronism. II. Aldosterone and ACTH] Fukuchi S, et al. **Folia Endocrinol Jap** 49:981-7, 20 Jul 73 (Eng. Abstr.) **(Jap)**

[Activity of acid nucleases in eye tissues due to corticosteroid hormones] Kasavina BS, et al. **Dokl Akad Nauk SSSR** 211:477-80, 11 Jul 73 **(Rus)**

[Participation of the hypophysis and adrenals in regulation of intraocular pressure] Bekauri NV, et al. **Fiziol Zh SSSR** 59:1102-7, Jul 73 (Eng. Abstr.) **(Rus)**

[Hypotensive activity of prostaglandin-like substances from the kidney medulla of rabbits under the action of DOCA-salt] Barbarash NA, et al. **Kardiologiia** 13:81-4, May 73 (Eng. Abstr.) **(Rus)**

[Effect of mineralocorticoids on the exocrine function of the pancreas] Nazarova GG, et al. **Probl Endokrinol (Mosk)** 19:78-81, May-Jun 73 (Eng. Abstr.) **(Rus)**

SECRETION

Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats. Birmingham MK, et al. **Endocrinology** 93:297-310, Aug 73

THERAPEUTIC USE

Congenital adrenal hyperplasia. Report of a case with neurological complications. Hanefeld F, et al. **Arch Dis Child** 48:554-9, Jul 73

Hyperkalemia in salt-wasting nephropathy. Study of the mechanism. Popovtzer MM, et al. **Arch Intern Med** 132:203-8, Aug 73

A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. **J Pediatr** 83:432-7, Sep 73

[Congenital adrenal hyperplasia with salt depletion syndrome] Blaim A, et al. **Pediatr Pol** 48:689-95, Jun 73 (Eng. Abstr.) **(Pol)**

[Adverse effects of corticosteroids on the course and outcome of acute radiation injury] Vlasenko SP, et al. **Radiobiologiia** 13:106-9, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[Therapy of peptic ulcer using desoxycorticosterone acetate (DOCA)] Gadzhiev KhE, et al. **Ter Arkh** 44:64-7, Dec 72 (Eng. Abstr.) **(Rus)**

DEXAMETHASONE

Acute pancreatitis with coexistent diabetes mellitus: an experimental study in the dog. Greve T, et al. **Am J Vet Res** 34:939-45, Jul 73

Production and properties of antisera to dexamethasone-protein conjugates. Dumasia MC, et al. **Biochem J** 133:401-4, Jun 73

ADMINISTRATION & DOSAGE

Response of benign mesenchymoma and stridor to corticosteroid. Stanton RE. **Am J Dis Child** 126:254-5, Aug 73

Asherman's syndrome: a critique and current review. Klein SM, et al. **Fertil Steril** 24:722-35, Sep 73

The prevention of postoperative pelvic adhesions following conservative operative treatment for human infertility. A final 3-year follow-up report. Horne HW Jr, et al. **Int J Fertil** 18:109-15, 1973

Suppressibility of plasma growth hormone levels in acromegaly with dexamethasone and phentolamine. Nakagawa K, et al. **J Clin Endocrinol Metab** 37:238-46, Aug 73

Mammary blood flow and glucose uptake in lactating cows given dexamethasone. Hartmann PE, et al. **J Dairy Sci** 56:896-902, Jul 73

Glucose redistribution in lactating cows given dexamethasone. Kronfeld DS, et al. **J Dairy Sci** 56:903-8, Jul 73

Amniotic-fluid lecithin-sphingomyelin ratios and dexamethasone. Caspi E, et al. **Lancet** 2:575, 8 Sep 73

Induction of parturition in cattle with corticosteroids: an analysis of field trials. Welch RA, et al. **NZ Vet J** 21:103-8, Jun 73

Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al. **Surg Gynecol Obstet** 137:597-607, Oct 73

Twin heritability study of the corticosteroid response. Schwartz JT, et al. **Trans Am Acad Ophthalmol Otolaryngol** 77:op126-36, Mar-Apr 73

[Massive steroid administration during open heart

DEXAMETHASONE

surgery] Shotsu A, et al.
Jap J Thorac Surg 26:340-5, May 73 (Eng. Abstr.) **(Jap)**
[Iron-dextran a therapeutic in ketosis?] Lilja CG.
Nord Vet Med 24:201-7, Apr 73 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Response of benign mesenchymoma and stridor to corticosteroid. Stanton RE.
Am J Dis Child 126:254-5, Aug 73

ANALYSIS

[Quality of various mass-produced and for-storage-prepared ointments. II. Determination of ointment ingredients using thin-layer] Saršúnová M.
Cesk Farm 22:259-65, Jul 73 (Eng. Abstr.) **(Slo)**

ANTAGONISTS & INHIBITORS

The dermatotrophic activity of nandrolone decanoate in eczema. Ormea F, et al.
Br J Clin Pract 27:261-4, Jul 73

DIAGNOSTIC USE

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
Disturbance of the feedback mechanism of the adrenocortical system in the alloxan diabetic rat. Langholz J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:31, 1973
Differential diagnosis of female hirsutism, Cushing's and Conn's syndrome. Quantitative sequential scintigraphy of the adrenals with 131-J-19-iodocholesterol. Nowakowski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:171, 1973
Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin. Horai R, et al.
J Clin Endocrinol Metab 37:212-9, Aug 73
Suppressibility of plasma growth hormone levels in acromegaly with dexamethasone and phentolamine. Nakagawa K, et al.
J Clin Endocrinol Metab 37:238-46, Aug 73
Twin heritability study of the corticosteroid response. Schwartz JT, et al.
Trans Am Acad Ophthalmol Otolaryngol 77:op126-36, Mar-Apr 73
Vertical elongation of the optic cup in glaucoma. Weisman RL, et al.
Trans Am Acad Ophthalmol Otolaryngol 77:op157-61, Mar-Apr 73

METABOLISM

Interaction of glucocorticoids with rat liver nuclei. II. Studies on the nature of the cytosol transfer factor and the nuclear acceptor site. Beato M, et al.
Biochemistry 12:3372-9, 28 Aug 73
Interaction of glucocorticoids with rat liver nuclei. I. Role of the cytosol proteins. Kalimi M, et al.
Biochemistry 12:3365-71, 28 Aug 73
Specific cytoplasmic glucocorticoid hormone receptors in lactating mammary glands. Shyamala G.
Biochemistry 12:3085-90, 31 Jul 73
Properties of corticosterone-binding macromolecules from rat brain cytosol. Grosser BI, et al.
Brain Res 57:387-95, 27 Jul 73
Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al.
Brain Res 57:373-86, 27 Jul 73
Uses and misuses of anti-inflammatory drus in racehorses. II. Moss MS. **Equine Vet J** 4:69-72, 5 Apr 72
Correlation between (3H)dexamethasone binding to a rat liver cytosol receptor protein and stimulation of RNA synthesis by glucocorticosteroids. Meulen N van der, et al. **FEBS Lett** 33:184-6, 1 Jul 73
Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al.
J Biol Chem 248:5873-9, 25 Aug 73
Early events in glucocorticoid action. Activation of the steroid receptor and its subsequent specific nuclear binding studied in a cell-free system. Higgins SJ, et al.
J Biol Chem 248:5866-72, 25 Aug 73
Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al.
J Clin Invest 52:1715-25, Jul 73

PHARMACODYNAMICS

Response of plasma aldosterone to various stimuli in the angiotensin II-immune rabbit. Beckerhoff R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:158, 1973
Electron microscopic study on the role of the mesenchyma in regressive transformation by dexamethasone. Mäusle E.
Acta Endocrinol [Suppl] (Kbh) 173:25, 1973
Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973
Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Polosa P, et al.
Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72
Receptors for glucocorticoids in lung tissue. Toft D, et al. **Arch Biochem Biophys** 152:464-9, Aug 73
Growth of suckling rats after treatment with dexamethasone or cortisol. Implications for steroid therapy in human infants. De Souza SW, et al
Arch Dis Child 48:519-22, Jul 73
Quantitative change of dopamine in the tuberohypophyseal tract of the rat under some experimental conditions. Kanyama H.
Arch Histol Jap 35:289-99, May 73
Beta cell replication in rat pancreatic monolayer cultures. Effects of glucose, tolbutamide, glucocorticoid, growth hormone and glucagon. Chick WL. **Diabetes** 22:687-93, Sep 73
Influence of dexamethasone on TRF induced TSH release in rats. Fukatsu H, et al.
Endocrinol Jap 20:81-4, Feb 73
Pituitary ACTH and GH content associated with the loss of acidophils following thyroidectomy. Yokoyama M. **Endocrinol Jap** 19:533-41, Dec 72
Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, et al.
Endocrinology 93:835-42, Oct 73
Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells Watanabe H, et al. **Endocrinology** 93:411-6, Aug 7
Dexamethasone effects on liver beta-glucuronidase and tryptophan oxygenase activities in rats of different ages. Comolli R, et al.
Experientia 29:795-6, 1973
Effect of Bordetella pertussis vaccine on plasma corticosterone level and on ACTH-induced corticosterone secretion in rats. Csaba B, et al
Experientia 29:112-3, 1 May 73
Radioimmunological determination of plasma cortisol Vecsei P, et al. **Experientia** 28:1104-5, 15 Sep 7
Correlation between (3H)dexamethasone binding to rat liver cytosol receptor protein and stimulation of RNA synthesis by glucocorticosteroids. Meulen N van der, et al. **FEBS Lett** 33:184-6, 1 Jul 73
Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al
Horm Metab Res 5:289-92, Jul 73
Lipolytic activity of rat pituitaries in vitro. Lis M, et al
Horm Metab Res 5:253-8, Jul 73
Suppression of the hypothalamic-pituitary-adrenal-axis with dexamethasone. Morgner KD, et al.
Horm Metab Res 5:307, Jul 73
The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al.
J Clin Endocrinol Metab 37:183-9, Aug 73
Effect of extracellular volume expansion upon sodium reabsorption in the distal nephron of dogs. Benne CM. **J Clin Invest** 52:2548-55, Oct 73
Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al
J Clin Invest 52:2272-7, Sep 73
Mammary blood flow and glucose uptake in lactating cows given dexamethasone. Hartmann PE, et al
J Dairy Sci 56:896-902, Jul 73
Glucose redistribution in lactating cows given dexamethasone. Kronfeld DS, et al.
J Dairy Sci 56:903-8, Jul 73
Uptake of androgen analogs by prostate tissue. Kasu Y, et al. **J Med Chem** 16:832-6, Jul 73
The effect of dexamethasone phosphate on the production rate of cerebrospinal fluid in the spinal subarachnoid space of dogs. Sato O, et al.
J Neurosurg 39:480-4, Oct 73

orticosteroids in psychiatric patients: subacute and diurnal effects on free fatty acid and catecholamine metabolism. Silbergeld S, et al.
J Psychiatr Res 10:59-71, Jun 73

mniotic-fluid lecithin-sphingomyelin ratios and dexamethasone. Caspi E, et al. Lancet 2:575, 8 Sep 73

igh phospholipase content of intestines of mice infected with Hymenolepis nana. Ottolenghi A. Lipids 8:426-8, Jul 73

ostweaning development of negative feedback in the pituitary-adrenal system of the rat. Goldman L, et al. Neuroendocrinology 12:199-211, 1973

ituitary-adrenal responsiveness during lactation in rats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973

erebrovascular permeability after meglumine iothalamate administration. Murphy DJ.
Neurology (Minneap) 23:926-36, Sep 73

ffects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al.
Prostaglandins 3:155-72, Feb 73

Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) (Fre)

Mutual effects of corticosteroids and genetic cell system] Romanenko GF, et al.
Allerg Immunol (Leipz) 18:161-2, 1972 (Eng. Abstr.) (Ger)

Effects of dexamethasone and diphosphonate on bones] Lindenhayn K, et al.
Dtsch Gesundheitsw 28:202-4, 1973 (Eng. Abstr.) (Ger)

Plasma aldosterone levels in primary aldosteronism. II. Aldosterone and ACTH] Fukuchi S, et al.
Folia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr.) (Jap)

nfluence of various drugs on the tissue permeability. 7. Effect of anti-inflammatory drugs on the changes in mucopolysaccharase activity in inflamed tissues of filter paper-implanted rats] Ito M.
Folia Pharmacol Jap 69:137-51, Jan 73 (Eng. Abstr.) (Jap)

nfluence of various drugs on the tissue permeability. 5. Effect of anti-inflammatory drugs on quantitative changes in connective tissue components in inflamed tissues of filter paper-implanted rats] Ito M.
Folia Pharmacol Jap 69:121-35, Jan 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

rimary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE de, et al. Acta Med Scand 193:565-71, Jun 73

esponse of benign mesenchymoma and stridor to corticosteroid. Stanton RE.
Am J Dis Child 126:254-5, Aug 73

drenal ablation by venous catheter. Eddy RL, et al.
Ann Intern Med 79:273-4, Aug 73

he dermatotrophic activity of nandrolone decanoate n eczema. Ormea F, et al.
Br J Clin Pract 27:261-4, Jul 73

he swollen brain. Br Med J 3:463-4, 1 Sep 73

therapeutic evaluation to the pathogeneses of deep keratitis of obscure origin. Hamed HH.
Bull Ophthalmol Soc Egypt 65:115-20, 1972

he effects of dexamethasone on rCBF and cerebral vasomotor response in brain tumors. Preliminary communication. Hadjidimos A, et al.
Eur Neurol 10:25-30, 1973

herman's syndrome: a critique and current review. Klein SM, et al. Fertil Steril 24:722-35, Sep 73

he prevention of postoperative pelvic adhesions following conservative operative treatment for human infertility. A final 3-year follow-up report. Horne HW Jr, et al. Int J Fertil 18:109-15, 1973

ypothalamic gigantism. Costin G, et al.
J Pediatr 83:419-25, Sep 73

calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. J Pediatr 83:432-7, Sep 73

mniotic-fluid lecithin-sphingomyelin ratios and dexamethasone. Caspi E, et al. Lancet 2:575, 8 Sep 73

xamethasone in herpes-simplex encephalitis. Habel AH, et al. Lancet 1:695, 25 Mar 72

igh phospholipase content of intestines of mice nfected with Hymenolepis nana. Ottolenghi A. Lipids 8:426-8, Jul 73

Hemodynamic and metabolic studies on shock associated with gram negative bacteremia. Nishijima H, et al. Medicine (Baltimore) 52:287-94, Jul 73

The treatment of closed head injury. Kobrine AI, et al.
Milit Med 138:495-6, Aug 73

Therapy of herpes simplex virus infections: a prospective view. Schwartz J, et al.
Mt Sinai J Med NY 40:641-51, Sep-Oct 73

Cerebral mass due to sarcoidosis. Regression during corticosteroid therapy. Griggs RC, et al.
Neurology (Minneap) 23:981-9, Sep 73

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al.
Obstet Gynecol 42:429-40, Sep 73

Effect of steroidal and nonsteroidal anti-inflammatory compounds in a milkweed-sap-induced rat pedal edema. Rassaert CL, et al.
Steroids Lipids Res 4:39-47, 1973

Dexamethasone as treatment in cerebrovascular disease. 2. A controlled study in acute cerebral infarction. Bauer RB, et al. Stroke 4:547-55, Jul-Aug 73

Dexamethasone as treatment in cerebrovascular disease. 1. A controlled study in intracerebral hemorrhage. Tellez H, et al. Stroke 4:541-6, Jul-Aug 73

Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al.
Surg Gynecol Obstet 137:597-607, Oct 73

Dexamethasone in spinal cord injury. Cranston RW.
Surg Neurol 1:290, Sep 73

Emergency treatment of spinal cord injury.
Surg Neurol 1:216, Jul 73

Granulomatous hepatitis and prolonged fever of unknown origin. Wolff SM, et al.
Trans Am Clin Climatol Assoc 84:149-65, 1973

[Status asthmaticus: nosologic framework, therapeutical data (apropos of 18 cases)] Pariente R, et al. Poumon Coeur 29:15-34, 1973 (Eng. Abstr.) (Fre)

[Treatment of pulmonary, pleural and vertebral tuberculosis] Favez G.
Schweiz Med Wochenschr 103:1057-60, 28 Jul 73 (Eng. Abstr.) (Fre)

[Percutalgine in sport pathology. Apropos of 110 treated cases] Benezis C, et al.
Therapeutique 49:195-202, Mar 73 (Fre)

[Double blind study on two local administered corticoid preparations for eczema therapy] Aertgeerts J, et al.
Med Monatsschr 27:129-31, Mar 73 (Ger)

[Case of temporal arteritis] Totoki T, et al.
Jap J Anesthesiol 22:480-4, May 73 (Eng. Abstr.) (Jap)

[Massive steroid administration during open heart surgery] Shotsu A, et al.
Jap J Thorac Surg 26:340-5, May 73 (Eng. Abstr.) (Jap)

[Prolonged gestation in the blue fox after treatment with chorionGonadotropins] Moller OM.
Nord Vet Med 24:492-500, Oct 72 (Eng. Abstr.) (Nor)

[Steroid therapy of the nephrotic form of chronic glomerulonephritis] Pyrig LA.
Vrach Delo 1:82-4, Jan 73 (Eng. Abstr.) (Rus)

[Iron-dextran a therapeutic in ketosis?] Lilja CG.
Nord Vet Med 24:201-7, Apr 73 (Eng. Abstr.) (Swe)

URINE

Uses and misuses of anti-inflammatory drus in racehorses. II. Moss MS. Equine Vet J 4:69-72, 5 Apr 72

ETIOCHOLANOLONE

The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. J Infect Dis 128:243-6, Aug 73

ADMINISTRATION & DOSAGE

The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. J Infect Dis 128:243-6, Aug 73

METABOLISM

Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al.
J Clin Invest 52:1715-25, Jul 73

URINE

Androsterone-etiocholanolone ratios in male homosexuals. Margolese MS, et al.
Br Med J 3:207-10, 28 Jul 73

Hormones and the aetiology of human breast cancer. Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 ref.)
Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al. **Lab Invest** 29:81-9, Jul 73
Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al. **Recent Results Cancer Res** 39:177-83, 1972
[Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al. **Folia Endocrinol (Roma)** 26:110-7, Apr 73 (Eng. Abstr.) (Ita)
[Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 (Eng. Abstr.) (Ita)
[State of the skin and its appendages in pubertal-adolescent dyspituitarism] Mirimanova RP, et al. **Probl Endokrinol (Mosk)** 19:40-3, May-Jun 73 (Eng. Abstr.) (Rus)

FLUDROCORTISONE

Adrenal corticosteroid-induced renal cystic disease in the newborn hamster. Filmer RB, et al. **Am J Pathol** 72:461-72, Sep 73

ADVERSE EFFECTS

Interpretation of serum creatine phosphokinase. Rivera VM. **JAMA** 225:993-4, 20 Aug 73

PHARMACODYNAMICS

Effect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et al. **Acta Endocrinol (Kbh)** 73:417-26, Jul 73
Ineffectiveness of adrenocorticosteroids and adrenocorticotropin in altering Na-K currents in squid giant axon. Henkin RI, et al. **Experientia** 29:555-6, 15 May 73

THERAPEUTIC USE

Adrenal ablation by venous catheter. Eddy RL, et al. **Ann Intern Med** 79:273-4, Aug 73
Interpretation of serum creatine phosphokinase. Rivera VM. **JAMA** 225:993-4, 20 Aug 73

FLUMETHASONE

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al. **Acta Endocrinol (Kbh)** 73:385-95, Jun 73

ADMINISTRATION & DOSAGE

Induction of parturition in cattle with corticosteroids: an analysis of field trials. Welch RA, et al. **NZ Vet J** 21:103-8, Jun 73
[Do locally applied corticosteroids influence the rate of healing of epidermophytoses?] Fischer E. **Dermatologica** 145:82-7, 1972 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Effects of acute anaphylactic shock on arterial blood pressure of anesthetized chickens. Pedersoli WM. **Am J Vet Res** 34:881-5, Jul 73
[Do locally applied corticosteroids influence the rate of healing of epidermophytoses?] Fischer E. **Dermatologica** 145:82-7, 1972 (Eng. Abstr.) (Ger)

FLUOCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

[Clinical experiences with fluocinolone acetonide gel in skin diseases] Schimpf A. **Fortschr Med** 91:885-7, 19 Jul 73 (Ger)
[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 (Ger)

ADVERSE EFFECTS

Norwegian scabies, a Christchurch epidemic. Wishart J **Australas J Dermatol** 13:127-31, Dec 72
[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 (Ger)

THERAPEUTIC USE

[Clinical experiences with fluocinolone acetonide ge in skin diseases] Schimpf A. **Fortschr Med** 91:885-7, 19 Jul 73 (Ger
[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 (Ger

FLUPREDNISOLONE

THERAPEUTIC USE

[Inguinal and scrotal hernia in the bull] Hjorth F **Nord Vet Med** 24:327-32, Jun 72 (Eng. Abstr.) (Dan

FLURANDRENOLONE

ADMINISTRATION & DOSAGE

Senile purpura. Feinstein RJ, et al. **Arch Dermatol** 108:229-32, Aug 73

THERAPEUTIC USE

Topical antipsoriatic agents and epidermal mitosis i man. Fisher LB, et al. **Arch Dermatol** 108:374-7, Sep 7

GLUCOCORTICOIDS

Interaction of glucocorticoids with rat liver nuclei. I Studies on the nature of the cytosol transfer facto and the nuclear acceptor site. Beato M, et a **Biochemistry** 12:3372-9, 28 Aug 73
Interaction of glucocorticoids with rat liver nuclei. Role of the cytosol proteins. Kalimi M, et a **Biochemistry** 12:3365-71, 28 Aug 73
Specific cytoplasmic glucocorticoid hormone recepto in lactating mammary glands. Shyamala G. **Biochemistry** 12:3085-90, 31 Jul 73
Adrenocortical function in malnutrition. **Nutr Rev** 31:127-9, Apr 73 (8 ref.)
[Role of the glucocorticoid function of the adren cortex in the recurrence of ulcer disease] Chern VV. **Vrach Delo** 2:12-6, Feb 73 (Eng. Abstr.) (Ru

ADMINISTRATION & DOSAGE

Iatrogenic hypertension in children with congenit adrenal hyperplasia. Kirkland JL, et al. **J Pediatr** 83:687-9, Oct 73
Varicella reactivation in nephrotic syndrome treat with cyclophosphamide and adrenal corticosteroic Resnick J, et al. **J Pediatr** 83:451-4, Sep 73
Induction of parturition in cattle with corticosteroic an analysis of field trials. Welch RA, et al **NZ Vet J** 21:103-8, Jun 73
[Systemic and local effects of corticosteroids on t experimental intradermal pneumococcal infections rabbits] Gonda N. **J Jap Assoc Infect Dis** 47:181-94, Jun 73 (Eng. Abst (Ja
[Clinical experience with a new oral corticosteroi dilaster] Lopez Botet E, et al. **Rev Clin Esp** 129:489-94, 15 Jun 73 (Eng. Abstr.) (Sp

ADVERSE EFFECTS

Iatrogenic hypertension in children with congeni adrenal hyperplasia. Kirkland JL, et al. **J Pediatr** 83:687-9, Oct 73
Steroid therapy in ophthalmology. Kochman MC, et **NY State J Med** 73:2140-3, 1 Sep 73
Systemic corticosteroid therapy in rheumatic diseas Fries JF, et al. **Ration Drug Ther** 6:1-5, Nov
Resorptive arthropathy and the opera-glass ha syndrome. Swezey RL, et al. **Semin Arthritis Rheum** 2:191-244, 1972-73 (216 re
Diagnosis and therapy of systemic mycoses in immunosuppressed host. Bennett JE. **Transplant Proc** 5:1255-7, Sep 73
[Leg ulcerations and anti-inflammatory treatmen

Nguyen-Morére MC.
Phlebologie 26:41-5, Jan-Mar 73 (Eng. Abstr.) **(Fre)**
Systemic and local effects of corticosteroids on the experimental intradermal pneumococcal infections in rabbits] Gonda N.
J Jap Assoc Infect Dis 47:181-94, Jun 73 (Eng. Abstr.) **(Jap)**
[Myocardial fat infiltration and prolonged corticosteroid therapy] Piazola LE, et al.
Arch Fund Roux Ocefa 6:77-83, 1972 (Eng. Abstr.) **(Spa)**
Clinical experience with a new oral corticosteroid: dilaster] Lopez Botet E, et al.
Rev Clin Esp 129:489-94, 15 Jun 73 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) **(Rus)**

BLOOD

Obese spontaneously hypertensive rats--a model for study of atherosclerosis. Koletsky S.
Exp Mol Pathol 19:53-60, Aug 73
Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)
Clinical study on diurnal rhythm of corticosteroids level in the blood] Kamijyo K, et al.
Clin Endocrinol (Tokyo) 21:413-7, Apr 73 **(Jap)**
Role of the adrenals in the development of post-stress eosinopenia] Makarov IA.
Ter Arkh 44:53-8, Nov 72 (Eng. Abstr.) **(Rus)**

METABOLISM

Some bioassay methods for measuring percutaneous absorption. Stoughton RB.
Adv Biol Skin 12:535-46, 1972 (21 ref.)
Receptors for glucocorticoids in lung tissue. Toft D, et al. **Arch Biochem Biophys** 152:464-9, Aug 73
Changes in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73
Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al.
J Biol Chem 248:5873-9, 25 Aug 73
Early events in glucocorticoid action. Activation of the steroid receptor and its subsequent specific nuclear binding studied in a cell-free system. Higgins SJ, et al.
J Biol Chem 248:5866-72, 25 Aug 73
Gas-chromatography of steroid metabolites] Nambara T, et al. **Jap J Clin Pathol** 21:593-8, Jul 73 **(Jap)**

PHARMACODYNAMICS

Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother. Seeliger H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973
Some bioassay methods for measuring percutaneous absorption. Stoughton RB.
Adv Biol Skin 12:535-46, 1972 (21 ref.)
Cortisol-induced inhibition of amino acid transport in thymic lymphocytes: kinetic parameters; relation to ATP levels and protein synthesis; and specificity. Baran DT, et al.
Biochim Biophys Acta 307:627-39, 25 May 73
The effects of antibiotics and cancer chemotherapeutic agents on the cellular transport and antitumor activity of methotrexate in L1210 murine leukemia. Zager RF, et al. **Cancer Res** 33:1670-6, Jul 73
Effects of hormones on development of fetal enzymes. Greengard O.
Clin Pharmacol Ther 14:721-6, Jul-Aug 73
Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73
Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al.
Gen Comp Endocrinol 21:148-51, Aug 73
Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al.
Infect Immun 8:151-5, Aug 73
Are corticosteroids in large doses beneficial in cardiogenic shock? Kones RJ.
Jap Heart J 14:281-5, May 73
Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al.
Surg Gynecol Obstet 137:597-607, Oct 73
[Mutual effects of corticosteroids and genetic cell system] Romanenko GF, et al.
Allerg Immunol (Leipz) 18:161-2, 1972 (Eng. Abstr.) **(Ger)**
[Mechanism of action of glucocorticoids] Hepa J, et al.
Pol Tyg Lek 28:1040-3, 2 Jul 73 (25 ref.) **(Pol)**

PHYSIOLOGY

Effects of glucocorticoids upon the glycosaminoglycans in salivary glands in the rat. Kofoed JA, et al.
Arch Oral Biol 18:681-8, Jun 73
Cardiogenic shock. Recent advances in pharmacologic management. II. Kones RJ.
NY State J Med 73:1967-80, 1 Aug 73 (350 ref.)
[Rôle of the adrenal glands in secretion by jejunal Paneth cells in hamsters: ultrastructural study] Balas D, et al. **C R Soc Biol (Paris)** 166:1543-6, 1972 **(Fre)**
[Mechanism of action of glucocorticoids] Hepa J, et al.
Pol Tyg Lek 28:1040-3, 2 Jul 73 (25 ref.) **(Pol)**

SECRETION

Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)
[Glucocorticoid function of the adrenals in terminal states in myocardial infarct] Golikov AP, et al.
Kardiologiia 13:15-20, May 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Klebsiella bacteremia in cancer patients. Umsawasdi T, et al. **Am J Med Sci** 265:473-82, Jun 73
Growth of suckling rats after treatment with dexamethasone or cortisol. Implications for steroid therapy in human infants. De Souza SW, et al.
Arch Dis Child 48:519-22, Jul 73
Long-term prognosis of 150 cases of "West syndrome". Jeavons PM, et al. **Epilepsia** 14:153-64, Jun 73
Uses and misuses of anti-inflammatory drugs in racehorses. 1. Hopes R. **Equine Vet J** 4:66-8, 5 Apr 72
Clinical and EEG studies on the emaciation (anorexia nervosa) due to disturbed function of the brain stem. Shimoda Y, et al. **J Neural Transm** 34:195-204, 1973
Varicella reactivation in nephrotic syndrome treated with cyclophosphamide and adrenal corticosteroids. Resnick J, et al. **J Pediatr** 83:451-4, Sep 73
Are corticosteroids in large doses beneficial in cardiogenic shock? Kones RJ.
Jap Heart J 14:281-5, May 73
Steroid therapy in ophthalmology. Kochman MC, et al.
NY State J Med 73:2140-3, 1 Sep 73
Transient monocular blindness in a case of drusen of the optic disc. Meyer E, et al.
Ophthalmologica 166:321-6, 1973
Systemic corticosteroid therapy in rheumatic diseases. Fries JF, et al. **Ration Drug Ther** 6:1-5, Nov 72
Drug treatment in bronchial asthma. Blumstein CG.
Semin Drug Treat 2:385-401, Spring 73 (5 ref.)
The treatment of allergic contact dermatitis. Reeves JR. **Semin Drug Treat** 2:425-9, Spring 73 (6 ref.)
Allergic rhinitis and otologic allergy. Torsney PJ.
Semin Drug Treat 2:403-12, Spring 73 (9 ref.)
Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al.
Surg Gynecol Obstet 137:597-607, Oct 73
Recovery from severe craniocerebral injury with brain stem lesions in childhood. Gruszkiewicz J, et al.
Surg Neurol 1:197-201, Jul 73
[Clinical management of cardiogenic shock] Baedeker W.
Int J Clin Pharmacol 7:132-41, Apr 73 (78 ref.) (Eng. Abstr.) **(Ger)**
[Research findings on 50 patients with panmyelopathy] Hartwich G, et al.
Med Klin 68:765-71, 8 Jun 73 (Eng. Abstr.) **(Ger)**
[Theapy of panmyelopathy] Lutz H, et al.
Med Klin 68:761-4, 8 Jun 73 (19 ref.) **(Ger)**
[Mechanics of breathing and corticosteroid therapy in lung sarcoidosis] Doll E, et al.
Respiration 30:270-84, 1973 (Eng. Abstr.) **(Ger)**
[Long-term therapy of liver diseases] Renger F, et al.
Z Gesamte Inn Med 28:Suppl:165-8, 1 Jun 73 (Eng. Abstr.) **(Ger)**
[Serum beta-glucuronidase activity in viral hepatitis as related to its therapeutic management] Janeczko J.
Pol Tyg Lek 28:972-5, 25 Jun 73 (Eng. Abstr.) **(Pol)**
[Clinical experience with a new oral corticosteroid:

GLUCOCORTICOIDS

dilaster] Lopez Botet E, et al.
Rev Clin Esp 129:489-94, 15 Jun 73 (Eng. Abstr.) (Spa)

URINE

Postoperative glucose metabolism in diabetic and nondiabetic patients. The response of glucose, insulin, growth hormone, corticosteroids, epinephrine, and unesterified fatty acids to extremity surgery. Lindseth RE. **Arch Surg** 105:741-5, Nov 72
Guidelines for academic medical centers planning to assume institutional responsibility for graduate medical education. Report of the Committee on Graduate Medical Education of the Association of American Medical Colleges.
J Med Educ 48:777-91, Aug 73
Adrenocortical function and skin pigmentation in idiopathic haemochromatosis. Sinniah R.
Med J Aust 2:19-20, 7 Jul 73
Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73
[Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al.
Folia Endocrinol (Roma) 26:110-7, Apr 73 (Eng. Abstr.) (Ita)
[Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al.
Folia Endocrinol (Roma) 26:118-25, Apr 73 (Eng. Abstr.) (Ita)

HYDROCORTISONE

In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Van Doorn EJ, et al.
Biochim Biophys Acta 309:254-62, 6 Jun 73
A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al.
J Biol Chem 248:5736-41, 25 Aug 73
Identification and partial purification of "transcortin"-like protein within human lymphocytes. Werthamer S, et al.
J Biol Chem 248:6398-407, 25 Sep 73
A review of experimental human fungus infections. Knight AG. **J Invest Dermatol** 59:354-8, Oct 72 (36 ref.)
Alkylation of brain corticosteroid acetyltransferase by 17-hydroxyprogesterone 17-(9-oxo-10-chlorodecanoate) and related compounds. Purdy RH, et al. **Steroids** 22:139-50, Jul 73
[Determination of progesterone in the plasma of pregnant women by the method of competitive binding with proteins] Pankova SS, et al.
Probl Endokrinol (Mosk) 19:32-5, May-Jun 73 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Effects of different hormones on the zoning and sinusoids of the adrenal gland. Mikhail Y, et al.
Acta Anat (Basel) 85:386-94, 1973
Factors influencing the penetration of corticosteroids through the epidermis. Polano MK, et al.
Adv Biol Skin 12:325-38, 1972 (19 ref.)
Effects of glucocorticoids upon the glycosaminoglycans in salivary glands in the rat. Kofoed JA, et al.
Arch Oral Biol 18:681-8, Jun 73
Immunosuppression and experimental tuberculosis. I. The effects of immunosuppressive agents, antilymphocyte serum and antimacrophage serum on the survival of animals with subacute experimental tuberculosis. Müllerová M, et al.
Biomedicine [Express] 19:87-9, 20 Mar 73
Hydrocortisone and the migration of human leucocytes: an indirect effect mediated by mononuclear cells. Stevenson RD.
Clin Exp Immunol 14:417-26, Jul 73
Intrathalamic and intraventricular application of hydrocortisone during stereotatic operations. Diemath HE. **Confin Neurol** 34:149-51, 1972
Effects of chronic insulin and cortisol administration on lactational performance and mammary metabolism in rats. Raskin RL, et al. **J Dairy Sci** 56:1033-41, Aug 73
The effect of hydrocortisone on limb regeneration in the bullfrog tadpole, Rana catesbeiana. Weis JS, et al.
J Embryol Exp Morphol 29:65-71, Feb 73
The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. **J Infect Dis** 128:243-6, Aug 73
Mechanism of cortisol inhibition of adoptive transfer of tuberculin sensitivity. Weston WL, et al.
J Lab Clin Med 82:366-71, Sep 73
Immunosuppression for kidney transplantation. McGeown MG. **Lancet** 2:310-2, 11 Aug 73
Gentamicin-hydrocortisone ear-drops in chronic infections. Kilcoyne AG. **Practitioner** 211:91-2, Jul 73
[Complications in treatment of isolated hematomas of the knee joints as a consequence of multiple intra-articular injections of hydrocortisone] Pietrak A.
Chir Narzadow Ruchu Ortop Pol 38:293-6, 1973 (Eng. Abstr.) (Pol)
[Effectiveness of conservative treatment of patients with unspecific ulcerative colitis] Boretskaia IS.
Vrach Delo 1:53-5, Jan 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[A vascular necrosis of the femora heads after removal of hypophyseal tumor] Tesárek B, et al.
Fysiatr Reumatol Vestn 51:229-32, Aug 73 (Eng Abstr.) (Cze
[Complications in treatment of isolated hematomas o the knee joints as a consequence of multiple intra-articular injections of hydrocortisone] Pietrak A.
Chir Narzadow Ruchu Ortop Pol 38:293-6, 1973 (Eng Abstr.) (Pol
[Adverse effects of corticosteroids on the course an outcome of acute radiation injury] Vlasenko SP, et a
Radiobiologiia 13:106-9, Jan-Feb 73 (Eng. Abstr. (Rus

ANALYSIS

Effect of age and sex on cortisol concentrations peripheral tissues and adrenals in white guinea pig Fazekas AT, et al.
Acta Endocrinol [Suppl] (Kbh) 173:32, 1973
[On the National Institute of Hygienic Science standards (the Japanese pharmacopoeia standards "hydrocortisone acetate reference standard" ar "prednisolone acetate reference standard"] Kijima et al. **Bull Natl Inst Hyg Sci (Tokyo)** 90:92-3, 1972 (Ja
[Methods of saturation analysis of cortisol an testosterone guantification] Lee-Benitez D, et
Arch Invest Med (Mex) 4:7-20, 1973 (Eng. Abstr (Sp
[Quality of various mass-produced and for-storage-prepared ointments. II. Determination ointment ingredients using thin-layer] Saršúnová
Cesk Farm 22:259-65, Jul 73 (Eng. Abstr.) (Sl

ANTAGONISTS & INHIBITORS

The effect of aflatoxin B 1 on ribonucleic acid synthe in control and cortisol-stimulated rat liver. Neal G
Biochem J 130:79P-80P, Nov 72
The effect of aflatoxin B 1 on normal and cortisol-stimulated rat liver ribonucleic acid synthesis. Neal GE. **Biochem J** 130:619-29, Nov
Adrenal corticosteroid effects upon rat brain mitochondrial metabolism. Roosevelt TS, et
Endocrinology 93:619-25, Sep 73

BIOSYNTHESIS

Adrenal ablation by venous catheter. Eddy RL, et
Ann Intern Med 79:273-4, Aug 73
Changes in fetal steroid metabolism with age. Vi DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug
Biosynthesis of 11-deoxycorticosteroids by tele ovaries and discussion of their possible role in ooc maturation and ovulation. Colombo L, et a
Gen Comp Endocrinol 21:168-78, Aug 73
Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) platypus (Ornithorhynchus anatinus). Weiss
J Endocrinol 58:251-62, Aug 73
The impact of radioimmunoassay on our understand of human adrenal physiology. West CD, et
Metabolism 22:995-1002, Aug 73 (36 ref.)
Effects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al.
Prostaglandins 3:155-72, Feb 73
[Enzyme defects in steroid hormone biosynthe Graef V.

Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.) (Ger)
[Mechanism of action of glucocorticoids] Hepa J, et al.
Pol Tyg Lek 28:1040-3, 2 Jul 73 (25 ref.) (Pol)
[Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimental myocardial infarct] Goncharova DN.
Kardiologiia 13:41-4, 1973 (Eng. Abstr.) (Rus)

BLOOD

Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73
Endocrinological findings in patients with glycogenosis. Bierich JR, et al.
Acta Endocrinol [Suppl] (Kbh) 173:128, 1973
17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973
The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in the male. Kley HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:92, 1973
Human pharmacological studies with a new synthetic corticotrophic peptide consisting of 18 amino acids. Retiene K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:33, 1973
Effect of alpha-MSH on plasma LH, progesterone and cortisol during the luteal phase of the menstrual cycle. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:41, 1973
Cortisol, cortisone, and corticosterone in plasma following ACTH-stimulation during the first 6 hours of life. Willig RP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:36, 1973
Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. Acta Med Scand 193:537-42, Jun 73
Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al.
Acta Paediatr Acad Sci Hung 13:359-65, 1972
Effect of exercise upon plasma cortisol and airway obstruction in asthmatic children. Sly RM, et al.
Ann Allergy 31:371-4, Aug 73
Immunoglobulin levels in Cushing's syndrome. Kasperlik-Zaluska A, et al.
Arch Immunol Ther Exp (Warsz) 21:431-4, 1973
A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. Arch Neurol 29:258-61, Oct 73
Physiological and biochemical correlates of individual differences in behavior of wolf cubs. Fox MW, et al.
Behaviour 46:129-40, 1973
The nyctohemeral rhythm of plasma cortisol in mental illness in Nigerians. Adadevoh BK, et al.
Br J Psychiatry 123:107-8, Jul 73
Glucagon-initiated human growth hormone release: a comparative study. Cain JP, et al.
Can Med Assoc J 107:617-22, 7 Oct 72
Microdetermination of adrenocortical steroids by double isotope method. I. Determination of cortisol and corticosterone in blood as thiosemicarbazone-35S. Kunugi A, et al.
Chem Pharm Bull (Tokyo) 21:503-10, Mar 73
Leukocyte adenyl cyclase and ATPase in asthma: effect of corticosteroid therapy. Coffey RG, et al.
Chest 63:Suppl:2S-3S, Apr 73 (9 ref.)
Microdetermination of adrenocortical steroids by double isotope method (II). Fractional determination of corticosteroids: free and protein-bound cortisol, corticosterone in plasma. Kunugi A, et al.
Endocrinol Jap 20:23-31, Feb 73
Development of cortisol binding in the rhesus monkey. Beamer N, et al. Endocrinology 93:363-8, Aug 73
Estimates and estimation errors of hormone secretion, transport and disposal rates in the maternal-fetal system. DiStefano JJ 3d, et al.
Endocrinology 93:324-42, Aug 73
Radioimmunological determination of plasma cortisol. Vecsei P, et al. Experientia 28:1104-5, 15 Sep 72
Periodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Richards P, et al. Gut 14:478-84, Jun 73
Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al.
Horm Metab Res 5:271-4, Jul 73
Endocrine & metabolic response to electric shock in rabbits. II. Changes in cortisone & insulin treated rabbits. Singh AK, et al.
Indian J Exp Biol 10:412-4, Nov 72
Endocrine & metabolic response to electric shock in rabbits. I. Normal sequences. Singh AK, et al.
Indian J Exp Biol 10:409-11, Nov 72
Constructive comments. Jeffery WH.
J Am Pharm Assoc 13:334, Jul 73
Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin. Horai R, et al.
J Clin Endocrinol Metab 37:212-9, Aug 73
Neural control of counter-regulatory events during glucopenia in man. Brodows RG, et al.
J Clin Invest 52:1841-4, Aug 73
Endocrine studies in anencephaly. Hayek A, et al.
J Clin Invest 52:1636-41, Jul 73
Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al.
J Clin Invest 52:2272-7, Sep 73
Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe JH, et al. J Clin Invest 52:1972-8, Aug 73
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al.
J Clin Invest 52:2617-28, Oct 73
The relationship between cortisol and adrenocorticotrophin levels in human plasma. Daly JR, et al. J Endocrinol 58:ix, Jul 73
Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. Madill D, et al. J Endocrinol 58:78-87, Jul 73
Adrenocortical function in the Australian brush-tailed possum Trichosurus vulpecula (Kerr). Than KA, et al.
J Endocrinol 58:97-109, Jul 73
The effect of intravenous catecholamines on circulating levels of growth hormone, corticotrophin and cortisol in man. Wilcox CS, et al.
J Endocrinol 58:vi, Jul 73
Measurement of various corticosteroids in foetal sheep plasma near term. Wilson DW, et al.
J Endocrinol 58:v, Jul 73
Biological effects of bacterial endotoxins in man. Wolff SM. J Infect Dis 128:Suppl:259-64, Jul 73
Diurnal patterns of secretion of cortisol and growth hormone in normal adolescents, in patients with exogenous and endogenous Cushing's syndrome, in patients with diabetes mellitus, and in a fasting subject. Vazquez AM, et al. J Pediatr 83:578-86, Oct 73
Corticosteroids in psychiatric patients: subacute and diurnal effects on free fatty acid and catecholamine metabolism. Silbergeld S, et al.
J Psychiatr Res 10:59-71, Jun 73
Hypocitricemic effect of surgical stress. Costello LC, et al. J Surg Res 15:182-8, Sep 73
Selective hypopituitarism. Impaired cell-mediated immunity and chronic mucocutaneous candidiasis. Arvanitakis C, et al. JAMA 225:1492-5, 17 Sep 73
Aerosol beclomethasone dipropionate: a dose-response study in chronic bronchial asthma. Gaddie J, et al.
Lancet 2:280-1, 11 Aug 73
Carbohydrate tolerance during the menstrual cycle in diabetics. Walsh CH, et al. Lancet 2:413-5, 25 Aug 73
The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)
Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)
Rearing experience, stress and adrenocorticosteroids in the rhesus monkey. Meyer JS, et al.
Physiol Behav 8:339-43, Feb 72
Periodic megaphagia and hypersomnia--an example of the Kleine-Levin syndrome in an adolescent girl. Gilligan BS. Proc Aust Assoc Neurol 9:67-72, 1973
Effects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al.
Prostaglandins 3:155-72, Feb 73
Reactive hypoglycemia. A clinical-physiologic approach to diagnosis and treatment. Hagler L, et al.
Rocky Mt Med J 70:41-6, Aug 73
Adrenal response to synthetic adrenocorticotrophic hormone during pregnancy and after delivery, with special reference to pre-eclamptic and hypertensive pregnancy. Kauppila A, et al.
Scand J Clin Lab Invest 31:179-85, Mar 73
Lack of glucagon response to hypoglycemia in diabetes:

evidence for an intrinsic pancreatic alpha cell defect. Gerich JE, et al. **Science** 182:171-3, 12 Oct 73

The role of transcortin in cortisol transport and cortisol excretion in children proteinurias. Astruc M, et al. **Steroids Lipids Res** 4:30-8, 1973

Effect of the bee venom and melittin on plasma cortisol in the unanesthetized monkey. Vick JA, et al. **Toxicon** 10:581-6, Oct 72

Stimulation of aldosterone secretion by sodium depletion in anephric man. McCaa RE, et al. **Trans Am Soc Artif Intern Organs** 19:287-92, 1973

[Biological circadian rhythm] Karppanen H. **Duodecim** 89:529-37, 1973 (Eng. Abstr.) **(Fin)**

[Ocular and metabolic findings in patients on oral contraceptives] Verbeck B. **Klin Monatsbl Augenheilkd** 162:612-21, May 73 (Eng. Abstr.) **(Ger)**

[The effect of the lipolysis blocker 5-methylpyrazol-3-carbonic acid (MPC) on changes in carbohydrate and lipid metabolism induced by muscle work in insulin-requiring diabetics] Schulz B, et al. **Z Gesamte Inn Med** 28:345-50, 15 Jun 73 (Eng. Abstr.) **(Ger)**

[The effect of glucose on the turnover of L-tryptophan in infants] Spangenberg V, et al. **Z Kinderheilkd** 114:249-58, 1973 (Eng. Abstr.) **(Ger)**

[Adrenal glycoative function in congestive heart failure. I. Changes in blood and urinary cortisol and the ACTH loading test] Bernardi P, et al. **Folia Endocrinol (Roma)** 25:95-114, Apr 72 **(Ita)**

[Adrenal glycoactive function in congestive heart failure. II. Nicthemeral rhythm of plasma and urinary cortisol] Bernardi P, et al. **Folia Endocrinol (Roma)** 25:115-26, Apr 72 (Eng. Abstr.) **(Ita)**

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) **(Ita)**

[Diurnal changes of blood sugar and cortisol in essential obese persons and in normal subjects during fasting] Nuzzaci G, et al. **Folia Endocrinol (Roma)** 25:435-49, Dec 72 (Eng. Abstr.) **(Ita)**

[Evaluation of the rapid ACTH test and blood cortisol determination by fluorescence method in hepatobiliary diseases] Kubota C, et al. **Jap J Clin Pathol** 21:189-94, Feb 73 **(Jap)**

[Systemic effects of topical corticosteroid treatment] Yamada K. **Jap J Dermatol [A]** 82:1079-92, Nov 72 **(Jap)**

[Experimental data on the adrenocorticolytic activity of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-4, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Acromegaly, adrenal cortex hyperfunction and galactorrhea (report of a case)] Gómez Vargas E, et al. **Rev Invest Clin** 25:181-7, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

[Steroid derivatives. LXXVI. Simplified preparation of cortexolone] Schwarz V, et al. **Ces. Farm** 22:231-3, Jun 73 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

[Colorimetric determination of steroid hormones in the blood] Usui T, et al. **Jap J Clin Pathol** 20:387-90, Jun 72 **(Jap)**

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et al. **Arch Invest Med (Mex)** 4:7-20, 1973 (Eng. Abstr.) **(Spa)**

METABOLISM

Effect of bile acids and some biliary excreted drugs on the metabolism of cortisol. Gerdes H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:10, 1973

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:118, 1973

Progesterone binding protein and the influence of corticosteroids on the uptake of progesterone by the rat uterus. Wolf H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:68, 1973

Factors influencing the penetration of corticosteroids through the epidermis. Polano MK, et al. **Adv Biol Skin** 12:325-38, 1972 (19 ref.)

Some bioassay methods for measuring percutaneous absorption. Stoughton RB. **Adv Biol Skin** 12:535-46, 1972 (21 ref.)

Ophthalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes". Pfeiffer M et. al. **Adv Metab Disord** 2:Suppl 2:317-22, 197

Interaction of glucocorticoids with rat liver nuclei. II Studies on the nature of the cytosol transfer facto and the nuclear acceptor site. Beato M, et al **Biochemistry** 12:3372-9, 28 Aug 73

Specific cytoplasmic glucocorticoid hormone receptor in lactating mammary glands. Shyamala G. **Biochemistry** 12:3085-90, 31 Jul 73

Demonstration of a glucocorticoid hormone-recepto complex in the cytoplasm of a hormone-responsiv tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 7

Corticosterone binding to hippocampus: nuclear an cytosol binding in vitro. McEwen BS, et al. **Brain Res** 57:373-86, 27 Jul 73

Leukocyte adenyl cyclase and ATPase in asthma: effec of corticosteroid therapy. Coffey RG, et al. **Chest** 63:Suppl:2S-3S, Apr 73 (9 ref.)

Estimates and estimation errors of hormone secretio transport and disposal rates in the maternal-fet system. DiStefano JJ 3d, et al. **Endocrinology** 93:324-42, Aug 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenedi as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et a **J Clin Invest** 52:1715-25, Jul 73

Tyrosine-alpha-ketoglutarate aminotransferase activity in rat liver after spinal cord sectior Vaptzarova KI, et al. **J Neurochem** 21:291-300, Aug

The impact of radioimmunoassay on our understandir of human adrenal physiology. West CD, et a **Metabolism** 22:995-1002, Aug 73 (36 ref.)

Adrenal response to synthetic adrenocorticotroph hormone during pregnancy and after delivery, wi special reference to pre-eclamptic and hypertensiv pregnancy. Kauppila A, et al. **Scand J Clin Lab Invest** 31:179-85, Mar 73

[Adrenal glycoative function in congestive hea failure. I. Changes in blood and urinary cortisol ar the ACTH loading test] Bernardi P, et al. **Folia Endocrinol (Roma)** 25:95-114, Apr 72 (It

[Adrenal glycoactive function in congestive hea failure. II. Nicthemeral rhythm of plasma and urina cortisol] Bernardi P, et al. **Folia Endocrinol (Roma)** 25:115-26, Apr 72 (En Abstr.) (It

[Clearance of cortisol in long-term corticotherap Ladero Quesada JM, et al. **Rev Clin Esp** 129:357-62, 31 May 73 (Eng. Abstr.) (Sp

PHARMACODYNAMICS

Effects of different hormones on the zoning a sinusoids of the adrenal gland. Mikhail Y, et **Acta Anat (Basel)** 85:386-94, 1973

The regulation of monoamine oxidase activity adrenal cortical steroids. Parvez H, et al. **Acta Endocrinol (Kbh)** 73:509-17, Jul 73

Early effects of cortisol on glucose and alani metabolism in adrenalectomized sheep. Reilly PE, al. **Am J Physiol** 225:689-95, Sep 73

Growth of suckling rats after treatment with dexamethasone or cortisol. Implications for sterc therapy in human infants. De Souza SW, et **Arch Dis Child** 48:519-22, Jul 73

Effects of glucocorticoids upon the glycosaminoglyca in salivary glands in the rat. Kofoed JA, et **Arch Oral Biol** 18:681-8, Jun 73

Aromatic amino acid metabolism in brindled (Mo and viable-brindled (Movbr), two alleles at t mottled locus in the mouse. Hunt DM, et **Biochem Genet** 6:31-40, Feb 72

The distinction between gamma-glutamylhydroxam synthetase and L-glutamine-hydroxylamine glutamyltransferase activities in rat tissues. Herzf A, et al. **Biochem J** 133:59-66, May 73

The effect of cortisol on the synthesis of rat plas albumin, fibrinogen and transferrin. Jeejeebhoy K et al. **Biochem J** 130:533-8, Nov 72

The effect of aflatoxin B 1 on ribonucleic acid synthe

in control and cortisol-stimulated rat liver. Neal GE. **Biochem J** 130:79P-80P, Nov 72
he effect of aflatoxin B 1 on normal and cortisol-stimulated rat liver ribonucleic acid synthesis. Neal GE. **Biochem J** 130:619-29, Nov 72
echanism of action of cortisol in rat liver. Sluyser M. **Biochem J** 130:49P=-50P, Nov 72
egulation of L-serine dehydratase in developing rat liver. Snell K, et al. **Biochem J** 130:75P-76P, Nov 72
orticol effect on protein synthesis and ribonucleic acid polymerase activity in rat thymus. Buss WC, et al. **Biochem Pharmacol** 22:1565-72, 1 Jul 73
ffect of hydrocortisone on the metabolism of L-ascorbic acid in rats. Majumder PK, et al. **Biochem Pharmacol** 22:1829-33, 1 Aug 73
ffect of olivomycin on the induced synthesis of yrosine aminotransferase and tryptophan oxygenase n rat liver. Popov PG, et al. **Biochem Pharmacol** 22:1526-9, 15 Jun 73
ntidepressants and liver tryptophan pyrrolase ctivity. Samsonova ML, et al. **Biochem Pharmacol** 22:1499-507, 15 Jun 73
ortisol-induced inhibition of amino acid transport in hymic lymphocytes: kinetic parameters; relation to ATP levels and protein synthesis; and specificity. Baran DT, et al. **Biochim Biophys Acta** 307:627-39, 25 May 73
udies on the postnatal development of responses of epatic histidase to endocrine control. Feigelson M. **Biochim Biophys Acta** 304:669-85, 28 May 73
ontaneous development of cytosolic hosphoenolpyruvate carboxylase in foetal rat liver ultures. Mandelli M, et al. **Biochim Biophys Acta** 309:515-20, 6 Jun 73
munosuppression and experimental tuberculosis. I. he effects of immunosuppressive agents, ntilymphocyte serum and antimacrophage serum on he survival of animals with subacute experimental uberculosis. Müllerová M, et al. **Biomedicine [Express]** 19:87-9, 20 Mar 73
mediate decrease by hydrocortisone of the plasma alf-life of antipyrine. Breckenridge A, et al. **Br J Pharmacol** 47:434-6, Feb 73
munotherapy of cancer with L-phenylalanine nustard as a hapten. Arai K, et al. **Cancer Res** 33:1914-20, Aug 73
ffect of hydrocortisone on cell viability, Epstein-Barr irus genome expression, and interferon synthesis in uman lymphoblastoid cell lines. Joncas J, et al. **Cancer Res** 33:2142-8, Sep 73
actionation of mouse T and B lymphocytes by reparative cell electrophoresis. Efficiency of the nethod. Andersson LC, et al. **Cell Immunol** 8:235-48, Aug 73
eukocyte adenyl cyclase and ATPase in asthma: effect f corticosteroid therapy. Coffey RG, et al. **Chest** 63:Suppl:2S-3S, Apr 73 (9 ref.)
ydrocortisone and the migration of human eucocytes: an indirect effect mediated by nononuclear cells. Stevenson RD. **Clin Exp Immunol** 14:417-26, Jul 73
ffects of thermal acclimation on physiological esponses to handling stress, cortisol and aldosterone njections in the goldfish, Carassius auratus. Dmminger BL, et al. **Comp Biochem Physiol [A]** 44:967-77, 1 Mar 73
inephrine biosynthesis in Petromyzon marinus cyclostoma) and Salmo gairdneri (teleost). Mazeaud IM. **Comp Gen Pharmacol** 3:457-68, Dec 72
ctors in the pathogenesis of experimental nonketotic nd ketoacidotic diabetic stupor. Joffe BI, et al. **Diabetes** 22:653-7, Sep 73
counteraction of cortisol on lactation depressing ffect of estradiol in the mouse. Mizuno H, et al. **Endocrinol Jap** 20:167-74, Apr 73
namics of insulin release by perfused rat pancreases: ffects of hypophysectomy, growth hormone, drenocorticotropic hormone, and hydrocortisone. urry DL, et al. **Endocrinology** 93:602-9, Sep 73
fects of cations and colchicine on the release of rolactin and growth hormone by functional pituitary umor cells in culture. Gautvik KM, et al. **Endocrinology** 93:793-9, Oct 73
teraction of glucagon and catecholamines in the egulation of serine dehydratase. Mohrenweiser HW, t al. **Endocrinology** 93:469-77, Aug 73
renal corticosteroid effects upon rat brain itochondrial metabolism. Roosevelt TS, et al. **Endocrinology** 93:619-25, Sep 73
hibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73
Lysosomal hydrolases of the eye tissues and the effect of corticosteroids on their activity. Kasavina BS, et al. **Exp Eye Res** 16:227-33, Jul 73
Effects of neonatal thyroxine and hydrocortisone administration on the development of dendritic spines in the visual cortex of rats. Schapiro S, et al. **Exp Neurol** 40:286-96, Aug 73
The synergistic effect of antigen and hydrocortisone on the survival time of skin allografts in inbred rats. Chutná J. **Folia Biol (Praha)** 19:231-6, 1973
Triiodothyronine and hydrocortisone effects on Rana pipiens erythropoiesis. Meints RH, et al. **Gen Comp Endocrinol** 21:9-15, Aug 73
Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al. **Infect Immun** 8:151-5, Aug 73
Effects of thyrotropin-releasing hormone and hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. Dannies PS, et al. **J Biol Chem** 248:6174-9, 10 Sep 73
Control of glutamine synthetase synthesis in the embryonic chick neural retina. A caution in the use of actinomycin D. Schwartz RJ. **J Biol Chem** 248:6426-35, 25 Sep 73
Cellular responsiveness to stimulation in vitro: strain differences in hemopoietic colony forming cell responsiveness to stimulating factor and suppression of responsiveness by glucocorticoids. McNeill TA, et al. **J Cell Physiol** 82:49-58, Aug 73
Interaction of intraleukocytic bacteria and antibiotics. Mandell GL. **J Clin Invest** 52:1673-9, Jul 73
Enhanced effects of prostaglandin E1 and dibutyryl cyclic AMP upon human lymphocytes in the presence of cortisol. Mendelsohn J, et al. **J Clin Invest** 52:2129-37, Sep 73
Metabolic effects of exogenous glucocorticoids in fasted man. Owen OE, et al. **J Clin Invest** 52:2596-605, Oct 73
Regulation of adrenal ornithine decarboxylase by adrenocorticotropic hormone and cyclic AMP. Richman R, et al. **J Clin Invest** 52:2007-15, Aug 73
Effects of chronic insulin and cortisol administration on lactational performance and mammary metabolism in rats. Raskin RL, et al. **J Dairy Sci** 56:1033-41, Aug 73
The effect of hydrocortisone on limb regeneration in the bullfrog tadpole, Rana catesbeiana. Weis JS, et al. **J Embryol Exp Morphol** 29:65-71, Feb 73
Water-losing action of antidiuretic hormone in the presence of excess cortisol: restoration of normal action by prolactin or by oxytocin. Horrobin DF, et al. **J Endocrinol** 58:135-6, Jul 73
A rabies-induced serum factor inhibiting Rous sarcoma virus in chicks. Desai SM, et al. **J Gen Virol** 19:285-93, Jun 73
The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. **J Infect Dis** 128:243-6, Aug 73
In vitro studies of the human mammary gland: effect of hormones on proliferation in primary cell cultures. Flaxman BA. **J Invest Dermatol** 61:67-71, Aug 73
Mechanism of cortisol inhibition of adoptive transfer of tuberculin sensitivity. Weston WL, et al. **J Lab Clin Med** 82:366-71, Sep 73
Tyrosine-alpha-ketoglutarate aminotransferase activity in rat liver after spinal cord section. Vaptzarova KI, et al. **J Neurochem** 21:291-300, Aug 73
Factors affecting the turnover of cerebral glycogen and limit dextrin in vivo. Watanabe H, et al. **J Neurochem** 20:1543-54, Jun 73
Anti-edema and analgesic properties of delta9-tetrahydrocannabinol (THC). Sofia RD, et al. **J Pharmacol Exp Ther** 186:646-55, Sep 73
Evidence for two corticosteroid receptor mechanisms in the feedback control of corticotrophin secretion. Jones MT, et al. **J Physiol (Lond)** 232:97P-98P, Jul 73
Inhibiting effects of antihistamine and antiserotonin drugs on the bone marrow reaction caused by endotoxin. Hirata M, et al. **Jap J Med Sci Biol** 26:15-7, Feb 73
Immunosuppression for kidney transplantation. McGeown MG. **Lancet** 2:310-2, 11 Aug 73
Postweaning development of negative feedback in the pituitary-adrenal system of the rat. Goldman L, et al. **Neuroendocrinology** 12:199-211, 1973
Actions of hydrocortisone, desoxycorticosterone acetate and progesterone on 14C-norepinephrine uptake and metabolism by rabbit aorta. Williams PB, et al. **Pharmacology** 9:262-9, 1973

Glutamine synthetase induction in embryonic neural retina: immunochemical identification of polysomes involved in enzyme synthesis. Sarkar PK, et al. **Proc Natl Acad Sci USA** 70:1667-71, Jun 73

[Research on certain biochemical mechanisms during hepatic regeneration. Comparative study of the action of small doses of ionizing radiations and some hormones and immunosuppressive drugs] Ghizari E, et al. **Rev Roum Physiol** 10:317-21, 1973 **(Fre)**

[Effect of hormones on hepatic transaminase activity during liver regeneration in rats] Ghizari E, et al. **Rev Roum Physiol** 9:345-53, 1972 **(Fre)**

[Activity of acid nucleases in eye tissues due to corticosteroid hormones] Kasavina BS, et al. **Dokl Akad Nauk SSSR** 211:477-80, 11 Jul 73 **(Rus)**

[The effect of adrenalectomy and administration of corticosteroids on the fibrinolytic activity of complex heparin compounds in the blood during immobilization] Kudriashov BA, et al. **Fiziol Zh SSSR** 59:1108-13, Jul 73 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al. **Probl Endokrinol (Mosk)** 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Changes of tryptophan pyrrolase activity and in the contents of nucleotides pyridine of the liver in mice produced by L thyroxine and cortisol] Llamas R, et al. **Rev Invest Clin** 25:159-67, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

In vitro studies of the human mammary gland: effect of hormones on proliferation in primary cell cultures. Flaxman BA. **J Invest Dermatol** 61:67-71, Aug 73

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al. **Metabolism** 22:995-1002, Aug 73 (36 ref.)

SECRETION

Effect of alpha-MSH on plasma LH, progesterone and cortisol during the luteal phase of the menstrual cycle. Runnebaum B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:41, 1973

Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. Madill D, et al. **J Endocrinol** 58:78-87, Jul 73

Adrenocortical function in the Australian brush-tailed possum Trichosurus vulpecula (Kerr). Than KA, et al. **J Endocrinol** 58:97-109, Jul 73

Endocrine complications of malignancy. Peterson AC, et al. **Nebr Med J** 58:231-2, Jul 73

Rearing experience, stress and adrenocorticosteroids in the rhesus monkey. Meyer JS, et al. **Physiol Behav** 8:339-43, Feb 72

Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Miyazaki G, et al. **Tohoku J Exp Med** 109:365-75, Apr 73

[Experimental data on the adrenocorticolytic activity of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG. **Probl Endokrinol (Mosk)** 19:71-4, May-Jun 73 (Eng. Abstr.) **(Rus)**

STANDARDS

[On the National Institute of Hygienic Sciences standards (the Japanese pharmacopoeia standards), "hydrocortisone acetate reference standard" and "prednisolone acetate reference standard"] Kijima K, et al. **Bull Natl Inst Hyg Sci (Tokyo)** 90:92-3, 1972 **(Jap)**

THERAPEUTIC USE

Factors influencing the penetration of corticosteroids through the epidermis. Polano MK, et al. **Adv Biol Skin** 12:325-38, 1972 (19 ref.)

Pharmacological prevention of esophageal stricture: an experimental study in the cat. Saedi S, et al. **Am Surg** 39:465-9, Aug 73

Effect of cortisol and cyproheptadine on anaphylactoid and arthritic responses of the rat to dextran. Hall CE, et al. **Arch Int Pharmacodyn Ther** 201:314-22, Feb 73

Adrenal crisis in a dental patient having systemic corticosteroids. Cawson RA, et al. **Br J Oral Surg** 10:305-9, Mar 73

Fatal endotoxic shock of biliary tract origin complicating transhepatic cholangiography. Keighle MR, et al. **Br Med J** 3:147-8, 21 Jul 73

Adrenal failure in bronchial asthma. Myles AB, et a **Br Med J** 3:294, 4 Aug 73

Leukocyte adenyl cyclase and ATPase in asthma: effec of corticosteroid therapy. Coffey RG, et al. **Chest** 63:Suppl:2S-3S, Apr 73 (9 ref.)

Childhood status asthmaticus revisited. A synopsis of program for management of childhood patients. Woo DW. **Clin Pediatr (Phila)** 12:555-8, Sep 73

Intrathalamic and intraventricular application o hydrocortisone during stereotatic operations. Diemath HE. **Confin Neurol** 34:149-51, 1972

Potential use of ocular-insert therapy in dry eye Pavan-Langston D. **Int Ophthalmol Clin** 13:231-8, Spring 73

A radioimmunoassay for beta-melanocyte-stimulati hormone in human plasma. Thody AJ, et al. **J Endocrinol** 58:263-73, Aug 73

Neurovirulence of equine herpesvirus type I in mice different ages. Plummer G, et al. **J Infect Dis** 128:202-10, Aug 73

The effects of hydrocortisone and estrogen o experimental fever induced by etiocholanolon Wolff SM, et al. **J Infect Dis** 128:243-6, Aug

Characterization and significance of urinary fibr degradation products. Cortes P, et al. **J Lab Clin Med** 82:377-89, Sep 73

Severe reaction to the bite of the triatomid b (Triatoma rubrofasciata) in Singapore. Teo SK, et **J Trop Med Hyg** 76:161-2, Jul 73

Corticosteroid therapy of postoperative contractur of the vesical neck. Malek RS, et al. **J Urol** 110:297-8, Sep 73

Respiratory distress syndrome in the adult af cardiopulmonary bypass. A successful therapeu approach. Llamas R, et al. **JAMA** 225:1183-6, 3 Sep

Bee stings in operational theatres. Pearn JH. **Milit Med** 137:241-2, Jun 72

Gentamicin-hydrocortisone ear-drops in chronic infections. Kilcoyne AG. **Practitioner** 211:91-2, Jul

Influence of prostaglandins (Pg) E2 and F2 on inflammatory process. DiPasquale G, et al. **Prostaglandins** 3:741-57, Jun 73

Allergic reaction to patent blue during lymphangiography. Biran S, et al. **Radiol Clin Biol** 42:166-8, 1973

Recurrent and persistent fever in bacterial mening with adequate response to antimicrobial thera Lipiridou O, et al. **Scand J Infect Dis** 5:23-7, 1

The treatment of atopic dermatitis. Reeves **Semin Drug Treat** 2:419-24, Spring 73 (10 r

Effect of steroidal and nonsteroidal anti-inflammat compounds in a milkweed-sap-induced rat pe edema. Rassaert CL, et al. **Steroids Lipids Res** 4:39-47, 1973

Investigations on protection of the ischemic myocardium. Braunwald E, et al. **Trans Am Clin Climatol Assoc** 84:80-115, 19

Effects of chemotherapeutic agents on cell cycle cellular proliferation: basic and clinical considerations. Mauer AM, et al. **Transplant Proc** 5:1181-4, Sep 73

[Unusual pseudo-infectious aspects of drug intolerance] Verliac F, et al. **Ann Med Interne (Paris)** 124:113-8, Feb 73 (I

[Status asthmaticus: nosologic framework, therapeutical data (apropos of 18 cases)] Parient et al. **Poumon Coeur** 29:15-34, 1973 (Eng. Abstr.) (I

[Acute disseminated intravascular coagulation ir obstetrical unit. Study of 9 cases. Diagnostic crite Therapeutic management] Cornu P, et al. **Sem Hop Paris** 49:1419-28, 26 Apr 73 (Eng. Ab (

[Corticoids and local anesthetics in antalgic ther Changes in relationship between solutions] Temp et al. **Minerva Anestesiol** 39:63-70, Feb 73 (Eng. Ab

[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and administration of drugs] Yamada S. **Folia Endocrinol Jap** 49:844-64, 20 Jun 73 (Eng. Ab (

[Complications in treatment of isolated hematom the knee joints as a consequence of mult intra-articular injections of hydrocortisone] Pi A.

hir Narzadow Ruchu Ortop Pol 38:293-6, 1973 (Eng. bstr.) (Pol)
ongenital adrenal hyperplasia with salt depletion yndrome] Blaim A, et al.
ediatr Pol 48:689-95, Jun 73 (Eng. Abstr.) (Pol)
ome clinical and therapeutic aspects of hepatic oma] Granicki O.
rnegi Epidemiol 27:237-44, 1973 (Eng. Abstr.) (Pol)
ase of rheumatoid arthritis with involvement of ricoarytenoid articulations] Kubiak-Socha E.
Vlad Lek 26:1067-8, 1 Jun 73 (Pol)
dverse effects of corticosteroids on the course and utcome of acute radiation injury] Vlasenko SP, et al.
adiobiologiia 13:106-9, Jan-Feb 73 (Eng. Abstr.) (Rus)
ffectiveness of conservative treatment of patients ith unspecific ulcerative colitis] Boretskaia IS.
rach Delo 1:53-5, Jan 73 (Eng. Abstr.) (Rus)
onfungal diseases of the nails] Mokrousov MS.
h Eksp Klin Med 13:100-6, 1973 (Rus)

TOXICITY

drocortisone-induced cleft palate in hamsters. Shah M, et al. Teratology 7:191-4, Apr 73

URINE

man pharmacological studies with a new synthetic orticotrophic peptide consisting of 18 amino acids. etiene K, et al.
cta Endocrinol [Suppl] (Kbh) 173:33, 1973
ctors influencing the penetration of corticosteroids rough the epidermis. Polano MK, et al.
dv Biol Skin 12:325-38, 1972 (19 ref.)
tural effects on Na and steroid excretion, and serum nin activity during pregnancy. Lindheimer MD, et
J Appl Physiol 35:343-8, Sep 73
paired carbohydrate metabolism during a mild viral ness. Rayfield EJ, et al.
Engl J Med 289:618-21, 20 Sep 73
ects of PGF2 infusion on human cortisol osynthesis. Wentz AC, et al.
rostaglandins 3:155-72, Feb 73
e role of transcortin in cortisol transport and cortisol xcretion in children proteinurias. Astruc M, et al.
teroids Lipids Res 4:30-8, 1973
drenal glycoative function in congestive heart ilure. I. Changes in blood and urinary cortisol and e ACTH loading test] Bernardi P, et al.
olia Endocrinol (Roma) 25:95-114, Apr 72 (Ita)
drenal glycoactive function in congestive heart ilure. II. Nicthemeral rhythm of plasma and urinary rtisol] Bernardi P, et al.
olia Endocrinol (Roma) 25:115-26, Apr 72 (Eng. bstr.) (Ita)
rinary 6beta-hydroxycortisol. II. Urinary eta-hydroxycortisol in different diseases and after iministration of drugs] Yamada S.
olia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr.) (Jap)
rinary 6 -hydroxycortisol. I. Methods of determining rinary 6 -hydroxycortisol and its normal values] amada S.
olia Endocrinol Jap 49:788-98, 20 May 73 (Eng. bstr.) (Jap)

DROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

e mechanism of action of hydrocortisone ionophoresis in rabbits with adjuvant arthritis] itlanadze VG.
opr Revm 12:19-22, Oct-Dec 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

guide to topical corticosteroids. Goldman L.
n Fam Physician 8:167-70, Sep 73
ticosteroids in the treatment of sunburn. Chanin A.
MA 225:1387, 10 Sep 73
locally applied corticosteroids influence the rate of aling of epidermophytoses?] Fischer E.
rmatologica 145:82-7, 1972 (Eng. Abstr.) (Ger)
rrent viewpoints in the local therapy of acne] uhut K. Med Monatsschr 27:275-9, Jun 73 (Ger)
bscleral administration of hydrocortisone and ednisolone in certain keratites] Opalev LM.
talmol Zh 28:178-80, 1973 (Eng. Abstr.) (Rus)

17-HYDROXYCORTICOSTEROIDS

[Hydrolysis of glucosiduronates of urinary steroids related to pregnane and estrane by a new fast-acting E. coli beta-glucuronidase] Scholler R, et al. C R Acad Sci [D] (Paris) 276:3363-6, 18 Jun 73 (Fre)

ANALYSIS

[Functional state of the adrenal cortex in cancer and adenoma of the prostate in the process of estrogen therapy] Klepikov FA, et al.
Urol Nefrol (Mosk) 37:38-42, Nov-Dec 72 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

The 5 beta-metabolites of testosterone: mode and sex-specificity of their formation in the rat liver. Ghraf R, et al. Acta Endocrinol (Kbh) 73:577-84, Jul 73
Testosterone metabolism in subcellular fractions of rat prostate. Nozu K, et al.
Acta Endocrinol (Kbh) 73:585-98, Jul 73
Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al. Endocrinology 93:517-26, Sep 73

BLOOD

Metabolism and mode of action of androgens in target tissues of male rats. 3. Metabolism of 5 alpha-androstane-3,17-dione, of 5 alpha-androstane-3 beta,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol in target organs and peripheral tissues. Becker H, et al.
Acta Endocrinol (Kbh) 73:407-16, Jun 73
Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72
Binding of 5 -androstane-3,17 -diol to human plasma proteins. Clark AF, et al. J Endocrinol 57:298, May 73
Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. J Endocrinol 58:33-4, Aug 73
The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al.
Tohoku J Exp Med 110:161-6, Jun 73
[Plasma corticoid level following administration of prednisolone and prednisolone acetate as well as the behavior of eosinophils in the dog] Claussen C, et al.
Arch Exp Veterinaermed 26:1041-51, Dec 72 (Eng. Abstr.) (Ger)
[Functional state of the adrenal cortex in malignant tumors of the ovaries during thio-TEPA treatment] Pankov AK, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

METABOLISM

Retention of androgens: a sex characteristic of rat liver. Ghraf R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:134, 1973
Metabolism of 5alpha-dihydrotesterone in the rat prostate. Plasse JC, et al.
Acta Endocrinol [Suppl] (Kbh) 173:133, 1973
Testosterone metabolism and androgenic effect. Gomez EC, et al. Adv Biol Skin 12:367-79, 1972 (38 ref.)
Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al.
J Biol Chem 248:6154-62, 10 Sep 73
Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. J Endocrinol 58:207-17, Aug 73

PHARMACODYNAMICS

Metabolism and mode of action of androgens in target tissue of male rats. IV. Mode of action of 5 alpha-androstane-3,17-dione, 5 alpha-androstane-3 alpha,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol at a cellular level on seminal vesicles and prostates of rats. Schmidt H, et al.
Acta Endocrinol (Kbh) 73:599-611, Jul 73

SECRETION

Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation. Shimizu T, et al. **Tohoku J Exp Med** 109:155-61, Feb 73

URINE

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al. **Acta Endocrinol (Kbh)** 73:223-32, Jun 73

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al. **Acta Endocrinol (Kbh)** 73:518-30, Jul 73

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh)** 73:396-406, Jun 73

Contribution on regulation of corticotrophic partial function. Reference to an active negative regulation. Herrmann H. **Acta Endocrinol [Suppl] (Kbh)** 173:30, 1973

Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 73

Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al. **Acta Paediatr Acad Sci Hung** 13:359-65, 1972

Physiological cost in 36-and 48-hour simulated flights. Hale HB, et al. **Aerosp Med** 44:871-81, Aug 73

A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. **Arch Neurol** 29:258-61, Oct 73

Postoperative glucose metabolism in diabetic and nondiabetic patients. The response of glucose, insulin, growth hormone, corticosteroids, epinephrine, and unesterified fatty acids to extremity surgery. Lindseth RE. **Arch Surg** 105:741-5, Nov 72

Glucagon-initiated human growth hormone release: a comparative study. Cain JP, et al. **Can Med Assoc J** 107:617-22, 7 Oct 72

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973

Hormones and the aetiology of human breast cancer. Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 ref.)

Effect of altitude on renin-aldosterone system and metabolism of water and electrolytes. Hogan RP 3d, et al. **J Appl Physiol** 35:385-90, Sep 73

Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin. Horai R, et al. **J Clin Endocrinol Metab** 37:212-9, Aug 73

Metabolic effects of exogenous glucocorticoids in fasted man. Owen OE, et al. **J Clin Invest** 52:2596-605, Oct 73

Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al. **Lab Invest** 29:81-9, Jul 73

Adrenocortical function and skin pigmentation in idiopathic haemochromatosis. Sinniah R. **Med J Aust** 2:19-20, 7 Jul 73

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

Effect of PGA1 on renin and aldosterone in man. Carr AA. **Prostaglandins** 3:621-8, May 73

Metabolism of adrenocortical hormone in surgical stress. Kudo S, et al. **Tohoku J Exp Med** 110:139-48, Jun 73

[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al. **Ann Endocrinol (Paris)** 33:607-21, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Preliminary study of the circadian rhythm of 17-hydroxycorticosteroids in young children in a child-care center] Henry E, et al. **C R Acad Sci [D] (Paris)** 276:3453-6, 25 Jun 73 (Fre)

[Variations in the circadian rhythm of urinary 17-hydroxycorticosteroids in young children as a function of their behavioral profile] Montagner H, et al. **C R Acad Sci [D] (Paris)** 277:101-4, 2 Jul 73 (Fre)

[Hormonal status following hypophysectomy] Weisbecker L, et al. **Verh Dtsch Ges Inn Med** 78:1525-9, 1972 (Ger)

[Pneumonia in burns] Kesztele V. **Wien Med Wochenschr** 123:449-51, 30 Jun 73 (Ger)

[Behavior of the circadian rhythm of adrenal cortex secretion in anorexia nervosa in relation to the duration of amenorrhea] Angeli A, et al. **Folia Endocrinol (Roma)** 25:153-60, Apr 72 (En Abstr.) (It

[Circadian changes in the urinary excretion of th principal free corticosteroids and glucuronoconjugates] Molino G, et al. **Folia Endocrinol (Roma)** 26:110-7, Apr 73 (En Abstr.) (It

[Modifications of the gas chromatographic pattern urinary corticosteroids induced by various doses beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 (En Abstr.) (It

[Fractionation of urinary neutral steroids of norm adults and women in early pregnancy by gas-liqu chromatography] Watatani H. **Folia Endocrinol Jap** 49:1080-102, 20 Aug 73 (Er Abstr.) (Ja

[Systemic effects of topical corticosteroid treatmer Yamada K. **Jap J Dermatol [A]** 82:1079-92, Nov 72 (Ja

[A study on diurnal variation in urine excretion. Observations in nocturnal enuresis and other diseas without enuresis] Miki A. **Jap J Urol** 64:41-56, Jan 73 (Eng. Abstr.) (Ja

[Urinary excretion of 17-hydroxycorticosteroids a 17-ketosteroids in acute and chronic liver diseas under cortisone load] Chernyshov VG. **Probl Endokrinol (Mosk)** 19:22-5, May-Jun 73 (Ri

[State of the skin and its appendages in pubertal-adolescent dyspituitarism] Mirimanova F et al. **Probl Endokrinol (Mosk)** 19:40-3, May-Jun 73 (E Abstr.) (Ri

[Functional state of the adrenal cortex in malign tumors of the ovaries during thio-TEPA treatme Pankov AK, et al. **Vopr Onkol** 19:31-5, 1973 (Eng. Abstr.) (R

[Simultaneous determination of urinary excret levels of luteinizing hormone, pregnanediol, pregnanetriol,17-hydrocorticosteroids and 17-ketosteroids during normal and clinically uncomplicated menstrual cycle] Rivera Damm R, et **Ginecol Obstet Mex** 33:301-11, Mar 73 (Eng. Abs (S

HYDROXYCORTICOSTEROIDS

ANALYSIS

[Effect of chorionic gonadotropin on adrenal cort function in intact and gonadectomized rats] Beki M, et al. **Probl Endokrinol (Mosk)** 19:61-6, May-Jun 73 (E Abstr.) (R

BIOSYNTHESIS

The role of 18-hydroxy-11-deoxycorticosterone a precursor in human adrenal tissue in vitro. Grekin et al. **J Clin Endocrinol Metab** 37:261-4, Aug

METABOLISM

Urinary corticosteriod and diphenylhydantoin metabolite patterns in neonates exposed to anticonvulsant drugs in utero. Reynolds JW, et **Clin Pharmacol Ther** 14:891-7, Sep-Oct 73

The role of 18-hydroxy-11-deoxycorticosterone a precursor in human adrenal tissue in vitro. Grekin et al. **J Clin Endocrinol Metab** 37:261-4, Aug

SECRETION

Production of steroids in vivo by regenerated adr glands of hypertensive and normotensive ra Birmingham MK, et al. **Endocrinology** 93:297-310, Aug 73

URINE

Comparative drug elimination capacity in man-glutethimide, amobarbital, antipyrine, an sulfinpyrazone. Kadar D, et al. **Clin Pharmacol Ther** 14:552-60, Jul-Aug 73

17-KETOSTEROIDS

[Qualitative and quantitative analyses of uri 17-ketosteroids and 20-hydroxy-21-deoxysteroid gas-liquid chromatography and mass spectrom

Desgres J, et al.
Clin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

ioavailability of various steroids administered
rally] Bruni G, et al.
Boll Chim Farm 112:110-5, Feb 73 (Eng. Abstr.) (Ita)

ANALYSIS

s chromatographic and mass spectrometric studies
n oestrogens in bile. I. Pregnant women. Adlercreutz
l, et al. Acta Endocrinol (Kbh) 73:543-54, Jul 73
omparative gonadotropin treatment of male
nfertility] Sillió-Seidl G.
Haut Geschlechtskr 48:405-10, 15 May 73 (Ger)

BIOSYNTHESIS

vitro sterol and steroid synthesis by ovaries of
ypophysectomized immature rats treated with
uman gonadotrophins. Bai RU, et al.
cta Endocrinol (Kbh) 73:321-34, Jun 73
eroid biosynthesis in vitro by dysgenetic ovaries
duced by neonatal thymectomy in mice. Nishizuka
et al. Endocrinology 93:786-92, Oct 73
roduction of androstadienedione from cholesterol
sing Proactinomyces asteroides 438] Lebedeva ZhD,
al.
v Akad Nauk SSSR [Biol] 4:529-34, Jul-Aug 72 (Eng.
bstr.) (Rus)

BLOOD

ncentrations of unconjugated estrone, estradiol,
drostenedione and testosterone in ovarian and
ripheral venous plasma in women: the effects of
eroid contraceptives. Weisz J, et al.
Clin Endocrinol Metab 37:254-60, Aug 73
ultaneous determination of plasma estrogens,
drogens, and progesterone during the human
enstrual cycle. Dupon C, et al.
eroids 22:47-61, Jul 73
iations in the concentrations of androstenedione in
ripheral plasma of women the day and during the
enstrual cycle. Lobotsky J, et al.
eroids 22:133-7, Jul 73
fect of clomiphene citrate on FSH and LH levels in 4
ses of hypogonadism with hyposmia or anosmia]
icaire H, et al.
n Endocrinol (Paris) 33:622-8, Nov-Dec 72 (Eng.
bstr.) (Fre)
tension of the gonad-adrenal gland diagnosis by
ultaneous measurement of testosterone,
-dihydrotestosterone and androstenediol in the
man plasma] Demisch K, et al.
rh Dtsch Ges Inn Med 78:1535-7, 1972 (Ger)

METABOLISM

osterone metabolism in slices and subcellular
ctions of human liver. Engelhardt D, et al.
ta Endocrinol [Suppl] (Kbh) 173:132, 1973
roxylation of delta4-3-oxo-C19-steroids at position
in the human fetus. Lisboa BP, et al.
ta Endocrinol [Suppl] (Kbh) 173:139, 1973
mes of androgen metabolism in human leucocytes.
th L, et al.
ta Endocrinol [Suppl] (Kbh) 173:137, 1973
ct of serotonin on placental aromatization. Vlassis
et al. Acta Endocrinol [Suppl] (Kbh) 173:78, 1973
ian, adrenal, and peripheral testosterone levels in
polycystic ovary syndrome. Stahl NL, et al.
J Obstet Gynecol 117:194-200, 15 Sep 73
bolism of androst-4-ene-3,17-dione by subcellular
ctions of rat adrenal tissue with particular
erence to microsomal C19-steroid
oha-reductase. Maynard PV, et al.
chem J 132:283-91, Feb 73
bioconversion of androstenedione and
osterone by rabbit granulosa cells and the effect
ovine LH on thecal aromatization. YoungLai EV.
roids Lipids Res 4:11-6, 1973
aromatization of (7 -3H) androstenedione by
nan placental mitochondria. Renwick AG, et al.
roids 22:123-32, Jul 73

PHARMACODYNAMICS

Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Lisboa BP, et al. Acta Endocrinol [Suppl] (Kbh) 173:139, 1973

SECRETION

A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. Lancet 2:643-4, 22 Sep 73

Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Mieno M, et al. Tohoku J Exp Med 110:113-7, Jun 73

Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation. Shimizu T, et al. Tohoku J Exp Med 109:155-61, Feb 73

URINE

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al. Acta Endocrinol (Kbh) 73:518-30, Jul 73

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. Acta Endocrinol (Kbh) 73:396-406, Jun 73

Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al. Acta Endocrinol [Suppl] (Kbh) 173:169, 1973

Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al. Acta Endocrinol [Suppl] (Kbh) 173:170, 1973

Isolation and characterization of a rare urinary steroid by physico-chemical methods. Voelter W, et al. Acta Endocrinol [Suppl] (Kbh) 173:141, 1973

Hereditary fructose intolerance. Perheentupa J, et al. Acta Med Scand [Suppl] 542:65-75, 1972 (57 ref.)

Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al. Acta Paediatr Acad Sci Hung 13:359-65, 1972

Improvement of adult height prognosis in precocious puberty by cyproterone acetate. Bossi E, et al. Acta Paediatr Scand 62:405-12, Jul 73

Physiological cost in 36-and 48-hour simulated flights. Hale HB, et al. Aerosp Med 44:871-81, Aug 73

A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. Arch Neurol 29:258-61, Oct 73

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al. Biomedicine [Express] 19:77-81, 10 Feb 73

Androsterone-etiocholanolone ratios in male homosexuals. Margolese MS, et al. Br Med J 3:207-10, 28 Jul 73

Hypocholesterolaemia in hyperadrenal states. Reschini E, et al. Br Med J 3:171, 21 Jul 73

Glucagon-initiated human growth hormone release: a comparative study. Cain JP, et al. Can Med Assoc J 107:617-22, 7 Oct 72

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. Clin Genet 4:130-3, 1973

Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. Fertil Steril 24:877-86, Sep 73

A study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results). Alicicco E, et al. Folia Endocrinol (Roma) 26:165-74, Jun 73

A new index to predict ovulation in the human. Cortés-Gallegos V. Int J Fertil 18:93-6, 1973

Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin. Horai R, et al. J Clin Endocrinol Metab 37:212-9, Aug 73

Isolation of urinary 3, 16 -dihydroxyandrost-5-en-17-one in adrenal carcinoma. Fanti V. J Endocrinol 56:615-6, Mar 73

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al. J Obstet Gynaecol Br Commonw 80:735-44, Aug 73

Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning

17-KETOSTEROIDS

Sertoli-Leydig cell tumor (type I). Kalderon AE, et al. **Lab Invest** 29:81-9, Jul 73

A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73

17-Ketosteroid excretion, myasthenia gravis, and breast cancer. Papatestas AE, et al. **Lancet** 1:691-2, 25 Mar 72

Levels and correlations of some biochemical blood components in otosclerosis. Bardadin T. **Mater Med Pol** 4:77-82, Apr-Jun 72

A case of true hermaphroditism with impaired growth and normal growth hormone levels in a Chinese. Cheah JS, et al. **Med J Aust** 2:28-31, 7 Jul 73

Adrenocortical function and skin pigmentation in idiopathic haemochromatosis. Sinniah R. **Med J Aust** 2:19-20, 7 Jul 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al. **N Engl J Med** 289:767-70, 11 Oct 73

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al. **Obstet Gynecol** 42:429-40, Sep 73

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

Beckwith's syndrome with extreme organ hyperplasia. Roe TF, et al. **Pediatrics** 52:372-81, Sep 73

Application of an aqueous Zimmermann reagent for the determination of urinary 17-ketosteroids. Chiorboli E, et al. **Rev Bras Pesqui Med Biol** 6:27-30, Jan-Apr 73

[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al. **Ann Endocrinol (Paris)** 33:607-21, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al. **Clin Chim Acta** 46:277-96, 14 Jul 73 (Eng. Abstr.) (Fre)

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abstr.) (Ger)

[Diagnosis of sterility in practice] Taubert HD, et al. **Fortschr Med** 91:847-50, 19 Jul 73 (Ger)

[Ambulatory diagnosis of cycle disorders] Stojanov S, et al. **Z Aerzti Fortbild (Jena)** 67:31-3, 1 Jan 73 (Ger)

[Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al. **Folia Endocrinol (Roma)** 26:110-7, Apr 73 (Eng. Abstr.) (Ita)

[Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 (Eng. Abstr.) (Ita)

[Fractionation of urinary neutral steroids of normal adults and women in early pregnancy by gas-liquid chromatography] Watatani H. **Folia Endocrinol Jap** 49:1080-102, 20 Aug 73 (Eng. Abstr.) (Jap)

[Gas chromatography of steroids--methods in laboratory diagnosis] Yakata M, et al. **Jap J Clin Pathol** 21:599-604, Jul 73 (Jap)

[Systemic effects of topical corticosteroid treatment] Yamada K. **Jap J Dermatol** [A] 82:1079-92, Nov 72 (Jap)

[Urinary 17-ketosteroid excretion indices in healthy men and women in the use of a modified Labhart test] Kabanov MM, et al. **Lab Delo** 8:479-82, 1972 (Rus)

[Urinary excretion of 17-hydroxycorticosteroids and 17-ketosteroids in acute and chronic liver diseases under cortisone load] Chernyshov VG. **Probl Endokrinol (Mosk)** 19:22-5, May-Jun 73 (Rus)

[State of the bone system in congenital dysfunction of the adrenal cortex] Kozlov GI, et al. **Probl Endokrinol (Mosk)** 19:28-31, May-Jun 73 (Eng. Abstr.) (Rus)

[State of the skin and its appendages in pubertal-adolescent dyspituitarism] Mirimanova RP, et al. **Probl Endokrinol (Mosk)** 19:40-3, May-Jun 73 (Eng. Abstr.) (Rus)

[Functional state of the adrenal cortex in cancer and adenoma of the prostate in the process of estrogen therapy] Klepikov FA, et al. **Urol Nefrol (Mosk)** 37:38-42, Nov-Dec 72 (Eng. Abstr. (Rus

[Functional state of the adrenal cortex in malignar tumors of the ovaries during thio-TEPA treatment Pankov AK, et al. **Vopr Onkol** 19:31-5, 1973 (Eng. Abstr.) (Rus

[Study of the suprarenal function in different obstetri complications. Its relation to feto-placental unity Rodríguez-Argüelles J, et al. **Gac Med Mex** 105:513-26, May 73 (Sp

[Simultaneous determination of urinary excretic levels of luteinizing hormone, pregnanediol, pregnanetriol,17-hydrocorticosteroids and 17-ketosteroids during normal and clinically uncomplicated menstrual cycle] Rivera Damm R, et **Ginecol Obstet Mex** 33:301-11, Mar 73 (Eng. Abstr (Sp

KETOSTEROIDS

In vitro studies on the inhibition of pig liver stero delta4-5beta-reductase activity by naturally occurri and synthetic estrogens. Van Doorn EJ, et **Biochim Biophys Acta** 309:254-62, 6 Jun 73

Althesin: a new intravenous steroid anaesthet **Drug Ther Bull** 11:51-2, 22 Jul 73

Reduction of C19-, C21-, C24-, and C27-3-oxosteroids rat-liver microsomes. Björkhem I, et al. **Eur J Biochem** 36:8-15, 2 Jul 73

Microbial transformation of cholesterol into coprostanol. Properties of a 3-oxo- 4-steroid-beta-reductase. Björkhem I, et al. **Eur J Biochem** 37:143-7, 1 Aug 73

Steroid structure and androgenic activity. Specificit involved in the receptor binding and nucles retention of various androgens. Liao S, et **J Biol Chem** 248:6154-62, 10 Sep 73

Oestrone specific antisera raised against oestrone-6-(O-carboxymethyl) oxime-bovine ser albumin. Rowe PH, et al. **Steroids Lipids Res** 4:24-9, 1973

ADMINISTRATION & DOSAGE

The anti-dysrhythmic effect of Althesin. Cundy **Anaesthesia** 28:544-5, Sep 73

Effective erythropoiesis induced by 5beta-pregnane-3beta-hydroxy-20-one in squirr monkeys. Besa EC, et al. **J Clin Invest** 52:2278-82, Sep 73

[Anesthesia using a new intravenous anesthe CT-1341 (Althesin-Glaxo). 2. Prolonged anesth with CT-1341 alone] Takahashi T, et al. **Jap J Anesthesiol** 22:364-70, Apr 73 (Eng. Abstr.) (J

ADVERSE EFFECTS

Epileptiform convulsion with Althesin. Uppingto **Anaesthesia** 28:546-50, Sep 73

ANALYSIS

Gas-liquid chromatography of keto- and hydroxyandrostanes. Hiscoe A, et al. **J Chromatogr** 81:144-9, 27 Jun 73

[Gas-chromatography of steroid metabolites] Nam T, et al. **Jap J Clin Pathol** 21:593-8, Jul 73 (

BIOSYNTHESIS

Testosterone metabolism in dog lung in vitro. Har J, et al. **Steroids Lipids Res** 4:17-23, 1973

BLOOD

Effect of 9 alpha-fluorohydrocortisone on th hypothalamo-pituitary-adrenal axis. Kley HK, **Acta Endocrinol (Kbh)** 73:417-26, Jul 73

Development of a radioimmunoassay for 5-alpha-androst-16-ene-3-one. Andresen O. **Horm Metab Res** 5:307-8, Jul 73

CHEMICAL SYNTHESIS

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17a yl) propionic acid gamma-lactone, its preparatio antimineralocorticoid activity. Chinn LJ, et **J Med Chem** 16:839-43, Jul 73

Ring D bridged steroid analogs. 11. The high Cla

ctivity of 19-nor-14,
7-ethano-4-pregnene-3,20-dione. Solo AJ, et al.
Med Chem 16:270-3, Mar 73
Dehydro-19-nortestosterone and its 7 -methyl
erivative. Segaloff A, et al. Steroids 22:99-105, Jul 73

ISOLATION & PURIFICATION

ualitative and quantitative analyses of urinary
7-ketosteroids and 20-hydroxy-21-deoxysteroids by
as-liquid chromatography and mass spectrometry]
esares J, et al.
lin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) (Fre)

METABOLISM

eroid structure and androgenic activity. Specificities
volved in the receptor binding and nuclear
etention of various androgens. Liao S, et al.
Biol Chem 248:6154-62, 10 Sep 73
e role of 18-hydroxy-11-deoxycorticosterone as a
recursor in human adrenal tissue in vitro. Grekin RJ,
al. J Clin Endocrinol Metab 37:261-4, Aug 73
gesterone binding in the immature mouse and rat
terus. Philibert D, et al. Steroids 22:89-98, Jul 73

PHARMACODYNAMICS

ect of spironolactone, thiomestrone and
imercaprol on the toxicity, retention and
istribution of mercury in the mouse. Eybl V, et al.
rzneim Forsch 23:867-70, Jun 73
udies of mammalian glucoside conjugation. Gessner
et al. Biochem J 132:249-58, Feb 73
eraction of suxamethonium with intravenous
duction agents. Carson IW, et al.
r J Pharmacol 47:679P, Mar 73
e effect of androgenic hormones on the reduced
cotinamide adenine dinucleotide
nosphate:delta-4-3-ketosteroid 5
pha-oxidoreductase of rat ventral prostate. Moore
J, et al. Endocrinology 93:581-92, Sep 73
lure of potassium canrenoate to alter
xperimentally induced digitalis arrhythmias.
ucchesi BR, et al. Eur J Pharmacol 22:256-62, Jun 73
ibition of Na+-K+-ATPase and 86Rb-uptake by
nrenone. Belz GG, et al.
orm Metab Res 5:312, Jul 73
new model for studying the effect of drugs on
ostatic growth. 1. Antiandrogens and DNA
nthesis. Sufrin G, et al. Invest Urol 11:45-54, Jul 73
ective erythropoiesis induced by
eta-pregnane-3beta-hydroxy-20-one in squirrel
onkeys. Besa EC, et al.
Clin Invest 52:2278-82, Sep 73

6Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-
) propionic acid gamma-lactone, its preparation and
ltimineralocorticoid activity. Chinn LJ, et al.
Med Chem 16:839-43, Jul 73
c D bridged steroid analogs. 11. The high Clauberg
tivity of 19-nor-14,
ethano-4-pregnene-3,20-dione. Solo AJ, et al.
Med Chem 16:270-3, Mar 73
effect of steroid metabolites on the hematopoietic
em cell pool. Halt WN, et al.
Pharmacol Exp Ther 186:656-61, Sep 73
ter and electrolyte tissue composition in burned
s under the effect of SC-14266. Bevilacqua RG, et al.
v Bras Pesqui Med Biol 6:11-6, Jan-Apr 73
gesterone binding in the immature mouse and rat
erus. Philibert D, et al. Steroids 22:89-98, Jul 73
Dehydro-19-nortestosterone and its 7 -methyl
rivative. Segaloff A, et al. Steroids 22:99-105, Jul 73
effect of thiamylal and propanidid on the isolated
art muscle in comparison with CT 1341. Iwatsuki N.
hoku J Exp Med 110:33-40, May 73
fects of Althesin (CT 1341) on the oxidative drug
etabolizing enzyme system of the liver microsome]
kahashi S, et al.
p J Anesthesiol 22:442-6, May 73 (Eng. Abstr.) (Jap)
esthesia by a new steroid anesthetic, CT 1341
lthesin-Glaxo). 3. Comparison of a ultra-short
ing intravenous anesthesia, CT1341 with
ppanidid and methohexital, with special reference
their effects on respiratory and cardiovascular
stems] Takasaki M, et al.
p J Anesthesiol 22:447-54, May 73 (Eng. Abstr.)
(Jap)

SECRETION

Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. Lancet 2:643-4, 22 Sep 73

THERAPEUTIC USE

The anti-dysrhythmic effect of Althesin. Cundy JM.
Anaesthesia 28:544-5, Sep 73
Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al.
Arzneim Forsch 23:867-70, Jun 73
Evaluation of boldenone undecylenate as an anabolic agent in horses. O'Connor JJ, et al.
Can Vet J 14:154-8, Jul 73

URINE

New urinary steroid in hypertension. Adlercreutz H, et al. Br Med J 3:499, 1 Sep 73
Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. Fertil Steril 24:677-86, Sep 73

METHYLPREDNISOLONE

ADMINISTRATION & DOSAGE

Improvement in cadaveric renal transplant survival. Beaudoin JG, et al. Arch Surg 107:245-9, Aug 73
Corticosteroid treatment of major trauma. Mechanisms involved in their therapeutic effect. Woodruff P, et al.
Arch Surg 107:613-6, Oct 73
Beclomethasone dipropionate steriod aerosol in treatment of perennial allergic asthma in children. Brown HM, et al. Br Med J 3:161-4, 21 Jul 73
Studies with the polarization microscope of the fibroblastic activity of the regenerating rabbit's cornea under the influence of corticosteroids. François J, et al. Exp Eye Res 16:201-5, Jul 73
Prevention of postmyelographic and postpneumoencephalographic headache by single dose intrathecal methyl-prednisolone acetate. McLennan JE, et al. Headache 13:39-48, Jul 73
Effects of corticosteroids on immunity in man. I. Decreased serum IgG concentration caused by 3 or 5 days of high doses of methylprednisolone. Butler WT, et al. J Clin Invest 52:2629-40, Oct 73
Aerosol beclomethasone dipropionate: a dose-response study in chronic bronchial asthma. Gaddie J, et al.
Lancet 2:280-1, 11 Aug 73
Beclomethasone dipropionate used as an aerosol in the treatment of asthma. Pines A.
Practitioner 211:86-90, Jul 73
Functional and morphologic changes after lung allografting in baboons. Baker RR, et al.
Surg Gynecol Obstet 137:650-4, Oct 73
Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al.
Surg Gynecol Obstet 137:597-607, Oct 73
Effects of corticosteroids on immunity in man. II. Alterations in serum protein components after methylprednisolone. Butler WT, et al.
Transplant Proc 5:1215-9, Sep 73
Intravenous methylprednisolone sodium succinate: adverse reactions reported in association with immunosuppresive therapy. Stubbs SS, et al.
Transplant Proc 5:1145-6, Jun 73

ADVERSE EFFECTS

Intravenous methylprednisolone sodium succinate: adverse reactions reported in association with immunosuppresive therapy. Stubbs SS, et al.
Transplant Proc 5:1145-6, Jun 73

DIAGNOSTIC USE

The effects of local corticosteroid withdrawal on the Koebner reaction in the inactive psoriatic patient. Stankler L. Br J Dermatol 89:212, Aug 73

PHARMACODYNAMICS

Effect of corticosteroid on protein and nucleic acid synthesis in human glial tumor cells. Chen TT, et al. **Cancer Res** 33:1721-3, Jul 73

Studies with the polarization microscope of the fibroblastic activity of the regenerating rabbit's cornea under the influence of corticosteroids. François J, et al. **Exp Eye Res** 16:201-5, Jul 73

Ineffectiveness of adrenocorticosteroids and adrenocorticotropin in altering Na-K currents in squid giant axon. Henkin RI, et al. **Experientia** 29:555-6, 15 May 73

Effect of some immunosuppressive agents on blastogenesis and target-cell lysis in vitro. Cordier G, et al. **Int Arch Allergy Appl Immunol** 45:299-303, 1973

Renal preservation with a modified intracellular hypothermic solution. Basso AG, et al. **Invest Urol** 11:136-40, Sep 73

Effects of corticosteroids on immunity in man. I. Decreased serum IgG concentration caused by 3 or 5 days of high doses of methylprednisolone. Butler WT, et al. **J Clin Invest** 52:2629-40, Oct 73

Organ preservation. **Lancet** 2:715-6, 29 Sep 73

Use of hepatic cell membrane potential measurement to evaluate new method of liver preservation. Lambotte L. **Surgery** 74:509-18, Oct 73

Effects of corticosteroids on immunity in man. II. Alterations in serum protein components after methylprednisolone. Butler WT, et al. **Transplant Proc** 5:1215-9, Sep 73

[Effects of a steroid on blood circulation in endotoxic shock] Okada K, et al. **Jap J Anesthesiol** 22:519-26, Jun 73 (Eng. Abstr.) **(Jap)**

THERAPEUTIC USE

Improvement in cadaveric renal transplant survival. Beaudoin JG, et al. **Arch Surg** 107:245-9, Aug 73

Corticosteroid treatment of major trauma. Mechanisms involved in their therapeutic effect. Woodruff P, et al. **Arch Surg** 107:613-6, Oct 73

A controlled trial of beclomethasone dipropionate for asthma. Smith AP, et al. **Br J Dis Chest** 67:208-14, Jul 73

Studies with the polarization microscope of the fibroblastic activity of the regenerating rabbit's cornea under the influence of corticosteroids. François J, et al. **Exp Eye Res** 16:201-5, Jul 73

Protective effect of cysteine and methylprednisolone in lead acetate-endotoxin induced shock. Cook JA, et al. **Exp Mol Pathol** 19:127-38, Aug 73

Prevention of postmyelographic and postpneumoencephalographic headache by single dose intrathecal methyl-prednisolone acetate. McLennan JE, et al. **Headache** 13:39-48, Jul 73

Pharmacologic response of the pulmonary microcirculation in endotoxin-shocked dogs. Motsay GJ. **Rev Surg** 30:296-7, Jul-Aug 73

Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock. Spath JA Jr, et al. **Surg Gynecol Obstet** 137:597-607, Oct 73

Preservation of the small intestine for allotransplantation. Toledo-Pereyra LH, et al. **Surg Gynecol Obstet** 137:445-50, Sep 73

[Hodgkin's disease complicated by myeloblastic leukosis] Focan C, et al. **Rev Med Liege** 28:443-7, 15 Jun 73 **(Fre)**

[Non-leukemic hematosarcomas. Hodgkin's disease. Current therapeutic ideas. Personal experience with multiple drug therapy] Focan C, et al. **Rev Med Liege** 28:421-7, 15 Jun 73 **(Fre)**

[Use of methylprednisolone in the treatment of shock--experimental and clinical results] Ogawa R, et al. **Jap J Anesthesiol** 22:311-9, Apr 73 (Eng. Abstr.) **(Jap)**

MINERALOCORTICOIDS

[Some new aspects of the renin-angiotensin system] Ganten D, et al. **Union Med Can** 102:775-86, Apr 73 (148 ref.) (Eng. Abstr.) **(Fre)**

[Mineralocorticoids and essential hypertension] Nowaczynski W, et al. **Union Med Can** 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Iatrogenic hypertension in children with congenital adrenal hyperplasia. Kirkland JL, et al. **J Pediatr** 83:687-9, Oct 73

ANTAGONISTS & INHIBITORS

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alph yl) propionic acid gamma-lactone, its preparation a antimineralocorticoid activity. Chinn LJ, et a **J Med Chem** 16:839-43, Jul 73

BIOSYNTHESIS

[Biosynthesis of glucocorticoids and mineralocorticoids in dogs' adrenals in experimen myocardial infarct] Goncharova DN. **Kardiologiia** 13:41-4, 1973 (Eng. Abstr.) **(R**

BLOOD

Periodic hypokalaemic paralysis, adrenal adenoma, a normal colonic transport of sodium and potassiu Richards P, et al. **Gut** 14:478-84, Jun 73

PHARMACODYNAMICS

[Antinatriuretic effect of acute constriction of t thoracic inferior vena cava] Shiigai T. **Jap J Nephrol** 15:171-80, Mar 73 (Eng. Abstr.) **(J**

[Effect of mineralocorticoids on the exocrine funct of the pancreas] Nazarova GG, et al. **Probl Endokrinol (Mosk)** 19:78-81, May-Jun 73 (E Abstr.) **(R**

PHYSIOLOGY

Mineralocorticoids and rectal potential differer Beevers DG. **Lancet** 2:682-3, 22 Sep 73

SECRETION

Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourt years after removal of the tumor. Miyazaki G, et **Tohoku J Exp Med** 109:365-75, Apr 73

PREDNISOLONE

Effects of adrenalectomy and of hypophysectomy the development of sound-withdrawal hypertens Marwood JF, et al. **J Pharm Pharmacol** 25:96-100, Feb 73

ADMINISTRATION & DOSAGE

Effects of gold salts and prednisolone on inflamma cells. II. Suppression of inflammation and phagocytosis in the rat. Vernon-Roberts B, et **Ann Rheum Dis** 32:301-7, Jul 73

Experimental esophageal lye burns. II. Correc established strictures with beta-aminopropioni and bougienage. Madden JW, et al. **Ann Surg** 178:277-84, Sep 73

Delayed manifestation of ultraviolet reaction in guinea-pig caused by anti-inflammatory drugs. G N, et al. **Br J Pharmacol** 47:240-8, Feb 7

Intrathalamic and intraventricular application hydrocortisone during stereotatic operations. Diemath HE. **Confin Neurol** 34:149-51, 1972

Immunosuppression for kidney transplantatior McGeown MG. **Lancet** 2:310-2, 11 Aug 73

Hyperlipidemia following renal transplant. Casa AA, et al. **Trans Am Soc Artif Intern Organs** 19:154-6,

[Drug therapy of the atopic bronchial asthm childhood] Saule H. **Dtsch Med Wochenschr** 98:1432-3, 27 Jul 73 (

[Clinical experience with procarbazine in malig lymphomas--single and combination (VENP) ther Shimoyama M, et al. **Jap J Clin Hematol** 14:668-75, Jun 73 (Eng. Ab

[Massive prednisolone administration in myasth gravis--electrophysiological examination] Yanagizawa N, et al. **Jap J Clin Med** 31:321-6, Feb 73

[Hemodynamic changes in patients with ch pneumonia and cor pulmonale under the influen prednisolone and benzohexonium inhalation

Landysheva IV, et al.
Kardiologiia 13:120-5, 1973 (Eng. Abstr.) (Rus)
he possibility of glucocorticoid therapy for liver
irrhosis in children] Chistova LV, et al.
ediatriia 51:50-3, Oct 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

persensitivity to different ACTH peptides.
orsman O, et al. Acta Med Scand 193:557-9, Jun 73
renal crisis in a dental patient having systemic
orticosteroids. Cawson RA, et al.
r J Oral Surg 10:305-9, Mar 73
hromosome studies in peripheral lymphocyte
ultures from children with non-tumorous diseases
reated with cyclophosphamide] Dobos M, et al.
rv Hetil 114:1987-90, 19 Aug 73 (Hun)
cases of herpes zoster in children with infectious
epatitis] Vanat SV, et al.
estn Dermatol Venerol 47:73-4, Mar 73 (Rus)

ANALYSIS

the National Institute of Hygienic Sciences
andards (the Japanese pharmacopoeia standards),
ydrocortisone acetate reference standard" and
rednisolone acetate reference standard"] Kijima K,
al. Bull Natl Inst Hyg Sci (Tokyo) 90:92-3, 1972 (Jap)
e of infrared spectroscopy for the quantitative
etermination of prednisolone] Minka AF, et al.
arm Zh 27:41-4, Nov-Dec 72 (Eng. Abstr.) (Ukr)

DIAGNOSTIC USE

nephrine and glucocorticoid glycemic curves in
alnourished infants. Zoumnoulakis D, et al.
elv Paediatr Acta 27:39-43, Apr 72
incidence of chronic pyelonephritis in
histosomal hepatic fibrosis utilising the
rednisolone provocation test. Fikry ME, et al.
Trop Med Hyg 76:180-2, Jul 73
ta-lipoproteins of the blood and results of the
rednisolone-glucose tolerance test in patients with
teriosclerosis] Khaletskiĭ ME, et al.
rach Delo 3:43-6, Mar 73 (Rus)

METABOLISM

s and misuses of anti-inflammatory drus in
ehorses. II. Moss MS. Equine Vet J 4:69-72, 5 Apr 72
riations in the eosionophil count, glucose, free fatty
ids, calcium and magnesium contents of sheep blood
thin the period of one day, and effects of various
rmones on them (ACTH, prednisolone,
renaline)] Kolb E, et al.
rch Exp Veterinaermed 27:165-83, 1973 (Eng. Abstr.)
(Ger)

PHARMACODYNAMICS

ects of gold salts and prednisolone on inflammatory
lls. I. Phagocytic activity of macrophages and
lymorphs in inflammatory exudates studied by a
kin-window" technique in rheumatoid and control
tients. Jessop JD, et al.
n Rheum Dis 32:294-300, Jul 73
ects of gold salts and prednisolone on inflammatory
lls. II. Suppression of inflammation and
agocytosis in the rat. Vernon-Roberts B, et al.
n Rheum Dis 32:301-7, Jul 73
aline phosphatase in KB cells: influence of
perosmolality and prednisolone on enzyme activity
d thermostability. Herz F.
ch Biochem Biophys 158:225-35, Sep 73
uiation of alkaline phosphatase activity in IB cells:
luence of serum. Herz F, et al.
ochim Biophys Acta 304:660-8, 28 May 73
ayed manifestation of ultraviolet reaction in the
inea-pig caused by anti-inflammatory drugs. Gupta
et al. Br J Pharmacol 47:240-8, Feb 73
nges of adrenergic reaction pattern in
perimental diabetes mellitus. Cseuz R, et al.
docrinology 93:752-5, Sep 73
min D and intestinal transport of calcium: effects
prednisolone. Lukert BP, et al.
docrinology 93:718-22, Sep 73
ephrine and glucocorticoid glycemic curves in
lnourished infants. Zoumnoulakis D, et al.
lv Paediatr Acta 27:39-43, Apr 72
udy of protein profiles in two strains of HeLa cells
including membrane preparations. Lack of prednisolone effects. Costlow ME, et al.
In Vitro 8:489-93, May-Jun 73
Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al.
Infect Immun 8:151-5, Aug 73
Effects of iodinated contrast media on erythrocytes. II. Effect of some drugs on alterations induced by meglumine acetrizoate. Peroni F, et al.
Invest Radiol 8:205-9, Jul-Aug 73
Immunosuppression for kidney transplantation. McGeown MG. Lancet 2:310-2, 11 Aug 73
The influence of prednisolone and thymectomy on the thoracic duct lymphocyte population of the rat. Lundin PM, et al. Lymphology 6:90-7, Jun 73
[Mutual effects of corticosteroids and genetic cell system] Romanenko GF, et al.
Allerg Immunol (Leipz) 18:161-2, 1972 (Eng. Abstr.) (Ger)
[Plasma corticoid level following administration of prednisolone and prednisolone acetate as well as the behavior of eosinophils in the dog] Claussen C, et al.
Arch Exp Veterinaermed 26:1041-51, Dec 72 (Eng. Abstr.) (Ger)
[Effects of an adrenocortical hormone on the pulmonary tissue after ligation of its vein] Nozaki Y.
Yonago Acta Med 16:191-214, Feb 73 (Eng. Abstr.) (Ger)
[Influence of various drugs on the tissue permeability. 7. Effect of anti-inflammatory drugs on the changes in mucopolysaccharase activity in inflamed tissues of filter paper-implanted rats] Ito M.
Folia Pharmacol Jap 69:137-51, Jan 73 (Eng. Abstr.) (Jap)
[Influence of various drugs on the tissue permeability. 6. Effect of anti-inflammatory drugs on quantitative changes in connective tissue components in inflamed tissues of filter paper-implanted rats] Ito M.
Folia Pharmacol Jap 69:121-35, Jan 73 (Eng. Abstr.) (Jap)
[Hemodynamic changes in patients with chronic pneumonia and cor pulmonale under the influence of prednisolone and benzohexonium inhalation] Landysheva IV, et al.
Kardiologiia 13:120-5, 1973 (Eng. Abstr.) (Rus)

STANDARDS

[On the National Institute of Hygienic Sciences standards (the Japanese pharmacopoeia standards), "hydrocortisone acetate reference standard" and "prednisolone acetate reference standard"] Kijima K, et al. Bull Natl Inst Hyg Sci (Tokyo) 90:92-3, 1972 (Jap)

THERAPEUTIC USE

The dynamics of virological and serological indices in primary herpetic keratitis in rabbits treated with antiviral drugs. Zaitseva NS, et al.
Acta Virol (Praha) 17:220-6, May 73
The nitroblue-tetrazolium dye test and infection in the renal patient. Wellman MR, et al.
Am Heart J 86:277-8, Aug 73
Effects of gold salts and prednisolone on inflammatory cells. I. Phagocytic activity of macrophages and polymorphs in inflammatory exudates studied by a "skin-window" technique in rheumatoid and control patients. Jessop JD, et al.
Ann Rheum Dis 32:294-300, Jul 73
Effects of gold salts and prednisolone on inflammatory cells. II. Suppression of inflammation and phagocytosis in the rat. Vernon-Roberts B, et al.
Ann Rheum Dis 32:301-7, Jul 73
Experimental esophageal lye burns. II. Correcting established strictures with beta-aminopropionitrile and bougienage. Madden JW, et al.
Ann Surg 178:277-84, Sep 73
Delayed manifestation of ultraviolet reaction in the guinea-pig caused by anti-inflammatory drugs. Gupta N, et al. Br J Pharmacol 47:240-8, Feb 73
Human polyomavirus infection in renal allograft recipients. Coleman DV, et al.
Br Med J 3:371-5, 18 Aug 73
Adrenal failure in bronchial asthma. Myles AB, et al.
Br Med J 3:294, 4 Aug 73
Treatment of acute myeloid leukaemia according to the Hammersmith protocol: preliminary report. Paolino W, et al. Br Med J 3:567-8, 15 Sep 73
Intrathalamic and intraventricular application of

hydrocortisone during stereotatic operations. Diemath HE. **Confin Neurol** 34:149-51, 1972
Extramedullary plasmocytoma. Gönczi J, et al. **Haematologia (Budap)** 7:61-8, 1973
Subcorneal pustular dermatosis (a case report). Verma KC, et al. **Indian J Dermatol** 18:52-5, Apr 73
Osteosclerosis in myeloma. Brown TS, et al. **J Bone Joint Surg [Br]** 55:621-3, Aug 73
Relapsing peripheral neuropathy in association with renal carcinoma. Lloyd GH, et al. **J Indian Med Assoc** 60:200-6, 16 Mar 73
Nitroblue tetrazolium dye reduction by peripheral leukocytes from rheumatoid arthritis and systemic lupus erythematosus patients measured by a histochemical and spectrophotometric method. Wenger ME, et al. **J Lab Clin Med** 82:513-21, Sep 73
Total and free-plasma tryptophan concentrations in rheumatoid disease. Aylward M, et al. **J Pharm Pharmacol** 25:570-2, Jul 73
Corticosteroid therapy of postoperative contractures of the vesical neck. Malek RS, et al. **J Urol** 110:297-8, Sep 73
Hereditary angioneurotic oedema. Brackertz D, et al. **Lancet** 2:680, 22 Sep 73
Overdose of salbutamol. Morrison GW, et al. **Lancet** 2:681, 22 Sep 73
Acute leukemia in pregnancy. Ewing PA, et al. **Obstet Gynecol** 42:245-51, Aug 73
Endocrine function of the allotransplanted pancreas in dogs. Umeyama K, et al. **Osaka City Med J** 18:9-20, 1972
Hyperlipidemia following renal transplant. Casaretto AA, et al. **Trans Am Soc Artif Intern Organs** 19:154-6, 1973
Toad poisoning in small animals. Perry BD, et al. **Vet Rec** 92:589-90, 2 Jun 73
[Treatment of acute leukemia. Controlled clinical trials and experimental data with a view to a more rational administration of anti-leukemic drugs] Stryckmans P, et al. **Rev Med Liege** 28:434-42, 15 Jun 73 (38 ref.) **(Fre)**
[New possibilities of herpes simplex therapy in the dermatological practice] Weitgasser H. **Hautarzt** 24:298-301, Jul 73 **(Ger)**
[Effect of cytostatics on sialic acid level in Ehrlich mouse tumor] Tatsumi N. **Osaka City Med J** 18:101-8, 1972 (Eng. Abstr.) **(Ger)**
[Release of edemas in the rat paw due to sodium nucleinate and their modification by antiphlorgistic agents] Jacker HJ. **Pharmazie** 27:795-6, Dec 72 **(Ger)**
[Immunoglobulins and histological findings in chronic liver diseases treated with immunosuppressive agents] Bauch K, et al. **Z Gesamte Inn Med** 28:Suppl:169-72, 1 Jun 73 (Eng. Abstr.) **(Ger)**
[Immunosuppressive therapy of chronic aggressive hepatitis] Schimmelpfennig W, et al. **Z Gesamte Inn Med** 28:Suppl:177-8 f, 15 Jun 73 (Eng. Abstr.) **(Ger)**
[Immunosuppressive long-term therapy of chronic aggressive hepatitis] Schimmelpfennig W, et al. **Z Gesamte Inn Med** 28:Suppl:176, 1 Jun 73 **(Ger)**
[Results of polychemotherapy in neoplasms of the lymphoreticular system] Stenzel L, et al. **Z Gesamte Inn Med** 28:Suppl 9:134-6, 1 May 73 (Eng. Abstr.) **(Ger)**
[Preoperative and postoperative management of hyperthyroidism with special reference to thyroid crisis] Teichmann W, et al. **Zentralbl Chir** 98:703-5, 11 May 73 **(Ger)**
[Splenectomy in Werlhof's disease during pregnancy] Fink R, et al. **Zentralbl Gynaekol** 95:865-8, 11 May 73 **(Ger)**
[20 years' experience with low birth weight infants] Svirsky-Fein A. **Harefuah** 85:20-3, 1 Jul 73 (Eng. Abstr.) **(Heb)**
[Corticoids and local anesthetics in antalgic therapy. Changes in relationship between solutions] Tempo B, et al. **Minerva Anestesiol** 39:63-70, Feb 73 (Eng. Abstr.) **(Ita)**
[Clinical experience with procarbazine in malignant lymphomas--single and combination (VENP) therapy] Shimoyama M, et al. **Jap J Clin Hematol** 14:668-75, Jun 73 (Eng. Abstr.) **(Jap)**
[Massive prednisolone administration in myasthenia gravis--electrophysiological examination] Yanagizawa N, et al. **Jap J Clin Med** 31:321-6, Feb 73 **(Jap)**
[Hemodynamic changes in patients with chronic pneumonia and cor pulmonale under the influence of prednisolone and benzohexonium inhalation] Landysheva IV, et al. **Kardiologiia** 13:120-5, 1973 (Eng. Abstr.) **(Rus)**
[The possibility of glucocorticoid therapy for liver cirrhosis in children] Chistova LV, et al. **Pediatriia** 51:50-3, Oct 72 (Eng. Abstr.) **(Rus)**
[State of the bone system in congenital dysfunction of the adrenal cortex] Koziov GI, et al. **Probl Endokrinol (Mosk)** 19:28-31, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Treatment of patients with hyperchronic tuberculosis of the lungs] Svitneva AS. **Probl Tuberk** 51:16-20, 1973 (Eng. Abstr.) **(Rus)**
[Modern tactics in therapy of acute leukemia] Fainshtein FE, et al. **Ter Arkh** 44:3-10, Nov 72 (Eng. Abstr.) **(Rus)**
[Steroid therapy of the nephrotic form of chronic glomerulonephritis] Pyrig LA. **Vrach Delo** 1:82-4, Jan 73 (Eng. Abstr.) **(Rus)**

TOXICITY

[Acute gastroduodenal ulcer (review of the literature)] Sandomirskii BP. **Klin Khir** 12:53-8, Dec 72 **(Ru**

URINE

Uses and misuses of anti-inflammatory drugs in racehorses. II. Moss MS. **Equine Vet J** 4:69-72, 5 Apr

PREDNISOLONE, TOPICAL

THERAPEUTIC USE

Effect of biephamide in blepharitis. Abboud I, et **Bull Ophthalmol Soc Egypt** 65:539-43, 1972
A therapeutic evaluation to the pathogeneses of de keratitis of obscure origin. Hamed HH. **Bull Ophthalmol Soc Egypt** 65:115-20, 1972
[Subscleral administration of hydrocortisone a prednisolone in certain keratites] Opalev LN **Oftalmol Zh** 28:178-80, 1973 (Eng. Abstr.) **(R**

PREDNISONE

Determinants of serum antipyrine half-lives in patie with liver disease. Branch RA, et al. **Gut** 14:569-73, Jul 73

ADMINISTRATION & DOSAGE

Influence of long-term corticosteroid treatment glucose tolerance in patients with rheumato arthritis. Josipović DB, et al. **Acta Med Iugosl** 27:293-302, 1973
Membranous glomerulonephritis. Hopper J Jr. **Ann Intern Med** 79:285-7, Aug 73
Tretinoin treatment of steroid acne. Mills OH Jr, e **Arch Dermatol** 108:381-4, Sep 73
Optic neuropathy of Graves disease, hyperthyroid and ocular myasthenia gravis. Cohen JS. **Arch Ophthalmol** 90:131-2, Aug 73
Radiation reversal of acute rejection in patients life-threatening infections. Fidler JP, et al. **Arch Surg** 107:256-60, Aug 73
Varicella reactivation in nephrotic syndrome tre with cyclophosphamide and adrenal corticoster Resnick J, et al. **J Pediatr** 83:451-4, Sep
Intermittent prednisone therapy in children adolescents after renal transplantation. Reimold **Pediatrics** 52:235-40, Aug 73
Temporal arteritis: improvement in visual progn and management with repeat biopsies. Cohen **Trans Am Acad Ophthalmol Otolaryngol** 77:op7 Jan-Feb 73
The limitations of corticosteroids and cryotherap subglottic hemangioma. Schechter GL, et **Trans Am Acad Ophthalmol Otolaryngol** 76:1 Sep-Oct 72
Granulomatous hepatitis and prolonged feve unknown origin. Wolff SM, et al. **Trans Am Clin Climatol Assoc** 84:149-65,
Hemodialysis on end-stage lupus nephritis. Copl et al. **Trans Am Soc Artif Intern Organs** 19:302-4
[Treatment of advanced breast cancer with combination of vincristine, fluorouracil, methotrexate, cyclophosphamide and predni Rosso R, et al. **Tumori** 59:163-5, Mar-Apr 73 (Eng. Abstr.)

ADVERSE EFFECTS

evention of wound infections by topical antibiotics in igh risk patients. Belzer FO, et al.
m J Surg 126:180-5, Aug 73
munosuppressive drugs and acute leukemia. Cobau D, et al. Ann Intern Med 79:131-2, Jul 73
njugal histoplasmosis. A consequence of progressive issemination in the index case after steroid therapy. ills M, et al. Ann Intern Med 79:221-4, Aug 73
etinoin treatment of steroid acne. Mills OH Jr, et al. rch Dermatol 108:381-4, Sep 73
asles giant cell pneumonia in an adult following ng-term chemotherapy. Akhtar M, et al. rch Pathol 96:145-8, Sep 73
ermittent prednisone therapy in children and olescents after renal transplantation. Reimold EW. ediatrics 52:235-40, Aug 73
mporal arteritis: improvement in visual prognosis d management with repeat biopsies. Cohen DN. ans Am Acad Ophthalmol Otolaryngol 77:op74-85, n-Feb 73
perience with endocarditis in a large kidney disease ogram. Leonard A, et al. ans Am Soc Artif Intern Organs 19:298-301, 1973
ectious complications in renal transplant recipients. ckhoff TC. Transplant Proc 5:1233-8, Sep 73
e effect of long-term prednisone on growth and on e hypothalmic-pituitary-adrenal axis] Drezner Z, et Harefuah 85:70-2, 15 Jul 73 (Eng. Abstr.) (Heb)

DIAGNOSTIC USE

bulatory diagnosis of cycle disorders] Stojanov S, al. Z Aerztl Fortbild (Jena) 67:31-3, 1 Jan 73 (Ger)

PHARMACODYNAMICS

nitroblue tetrazolium test in lymphoma. Silverman I, et al. Am J Clin Pathol 60:198-201, Aug 73
ingitis and cephalothin therapy. Turner CE. n Intern Med 79:135, Jul 73
phocyte responses to phytohemagglutinin in eumatoid arthritis and glomerulonephritis and the ects of immunosuppression. Griswold WR, et al. perientia 29:606-7, 15 May 73
lin receptor of liver and fat cell membranes. atrecasas P. Fed Proc 32:1838-46, Aug 73
ct of some immunosuppressive agents on stogenesis and target-cell lysis in vitro. Cordier G, al. Int Arch Allergy Appl Immunol 45:299-303, 1973
m acid phosphatase activity during hemorrhagic ck. Ramazzotto LJ, et al. e Sci [II] 12:563-73, 22 Jun 73
erhaptoglobinemia in chronic alcoholics] Lamy J, al n Chim Acta 46:257-60, 14 Jul 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

ence of long-term corticosteroid treatment on cose tolerance in patients with rheumatoid ritis. Josipović DB, et al. a Med Iugosl 27:293-302, 1973
static treatment of glomerular diseases. I. Effect zathioprine on serum creatinine and proteinuria. ort from a Copenhagen Study Group of Renal eases. Baislov JT, et al. a Med Scand 193:483-91, Jun 73
itroblue tetrazolium test in lymphoma. Silverman et al. Am J Clin Pathol 60:198-201, Aug 73
-chain disease in subSaharan Africa. Novis BH, et Am J Dig Dis 18:679-88, Aug 73
l chromosome, microcephalic dwarfism, and e myeloid leukemia. Bobrow M, et al. J Dis Child 126:257-60, Aug 73
eous signs of cryoparaproteinemia: control with t alkeran and prednisone. Brody JI, et al. J Med 55:211-4, Aug 73
tive splenectomy in chronic renal failure. Berne et al. Am J Surg 126:271-6, Aug 73
rotic syndrome in patients with Schistosoma soni infection. Queiroz PF, et al. J Trop Med Hyg 22:622-8, Sep 73
e lobe atelectasis in sarcoidosis. Report of a case prompt resolution concomitant with icosteroid administration. Munt PW. Rev Respir Dis 108:357-60, Aug 73
nosuppressive drugs and acute leukemia. Cobau et al. Ann Intern Med 79:131-2, Jul 73

Herpes B virus encephalomyelitis presenting as ophthalmic zoster. A possible latent infection reactivated. Fierer J, et al. Ann Intern Med 79:225-8, Aug 73
Membranous glomerulonephritis. Hopper J Jr. Ann Intern Med 79:285-7, Aug 73
Delayed febrile pleuropericarditis after sepsis. A possible analogue of the postcardiotomy syndrome. Miller GC, et al. Ann Intern Med 79:194-7, Aug 73
Effect of drug treatment for lymphoma on male reproductive capacity. Studies of men in remission after therapy. Sherins RJ, et al. Ann Intern Med 79:216-20, Aug 73
Conjugal histoplasmosis. A consequence of progressive dissemination in the index case after steroid therapy. Sills M, et al. Ann Intern Med 79:221-4, Aug 73
Hemophilia with factor VIII inhibitor. Elimination of anamnestic response. Stein RS, et al. Ann Intern Med 79:84-7, Jul 73
Circulating antibodies in cicatricial pemphigoid. Dantzig P. Arch Dermatol 108:264-6, Aug 73
Steroid-responsive hypercalcemia in disseminated bone tuberculosis. Braman SS, et al. Arch Intern Med 132:269-71, Aug 73
Optic neuropathy of Graves disease, hyperthyroidism, and ocular myasthenia gravis. Cohen JS. Arch Ophthalmol 90:131-2, Aug 73
Measles giant cell pneumonia in an adult following long-term chemotherapy. Akhtar M, et al. Arch Pathol 96:145-8, Sep 73
Improvement in cadaveric renal transplant survival. Beaudoin JG, et al. Arch Surg 107:245-9, Aug 73
Thrombocytopenia from metastatic carcinoma of the breast. Effective managements of patients with this complication. Sugarbaker PH, et al. Arch Surg 107:523-7, Oct 73
Comparison of two methods of preventing central nervous system leukemia. Aur RJ, et al. Blood 42:349-57, Sep 73
Idiopathic thrombocytopenic purpura in identical twins. Norris AD. Br J Clin Pract 27:95-7, Mar 73
Chronic lymphocytic leukaemia associated with acute myelomonocytic leukaemia. Roberts PD, et al. Br J Haematol 25:203-6, Aug 73
Osteoporosis and long-term corticosteroid therapy. Hosking DJ, et al. Br Med J 3:125-7, 21 Jul 73
Treatment of systemic lupus erythematosus with renal insufficiency. Seedat YK. Br Med J 3:237, 28 Jul 73
Orbicularis oculi (blink) reflex in Bell's palsy. Marinacci AA. Bull Los Angeles Neurol Soc 38:126-37, Jul 73
Cerebral complications in juvenile rheumatoid arthritis. Jan JE, et al. Can Med Assoc J 107:623-5, 7 Oct 72
Refractory leukemia treated with cytosine arabinoside and cyclophosphamide. Ansari BM, et al. Cancer 32:294-7, Aug 73
Pulmonary disease associated with the inhalation of cosmetic aerosols. Ehrhardt DR, et al. Chest 64:251-4, Aug 73
Variations in arterial blood pressure after kidney transplantation. Relation to renal function, plasma renin activity, and the dose of prednisone. Popovtzer MM, et al. Circulation 47:1297-305, Jun 73
Gas-chromatographic measurement of urinary polyamines in cancer patients. Denton MD, et al. Clin Chem 19:904-7, Aug 73
Experiences with cromolyn sodium in asthma in children. Crawford LV. Clin Pediatr (Phila) 12:519, Sep 73
The treatment of pulmonary metastases of malignant teratoma of the testis. Werf-Messing B van der. Clin Radiol 24:121-3, Jan 73
The Tolosa-Hunt syndrome (painful ophthalmoplegia) in children. Terrence CF, et al. Dev Med Child Neurol 15:506-9, Aug 73
Chemotherapy in Hodgkin's disease (lymphadenoma). Drug Ther Bull 11:57-9, 20 Jul 73
Polyarteritis nodosa of the gallbladder, presenting as acute cholecystitis. LiVolsi VA, et al. Gastroenterology 65:115-23, Jul 73
Philadelphia chromosome-negative, lysozyme-positive chronic myeloid leukemia. Mintz U, et al. Haematologia (Budap) 7:3-6, 1973
Ruminations of a middle-aged hepatitis watcher. Moser RH. Hawaii Med J 32:153-60, May-Jun 73
Acute myeloid leukemia with two Philadelphia chromosomes in forty-six stemline. Remarks on the karyotypic analysis and chemotherapy. Khan MH. Humangenetik 18:55-62, 23 Mar 73

Management of acute leukemia in children. Mangalik A. **Indian Pediatr** 10:67-72, Feb 73

Bronchospasm, pulmonary infiltration and eosinophilia rapid response to prednisone. McKenna TJ, et al. **Ir J Med Sci** 142:162-5, Jul 73

Childhood abdominal lymphoma in two brothers. Pevzner S, et al. **Isr J Med Sci** 9:914-7, Jul 73

Transient obstructive uropathy associated with the nephrotic syndrome: case report. Berger M, et al. **J Pediatr** 83:456-8, Sep 73

Varicella reactivation in nephrotic syndrome treated with cyclophosphamide and adrenal corticosteroids. Resnick J, et al. **J Pediatr** 83:451-4, Sep 73

Dermatomyositis. Schaller JG. **J Pediatr** 83:699-702, Oct 73 (30 ref.)

Diurnal patterns of secretion of cortisol and growth hormone in normal adolescents, in patients with exogenous and endogenous Cushing's syndrome, in patients with diabetes mellitus, and in a fasting subject. Vazquez AM, et al. **J Pediatr** 83:578-86, Oct 73

Bullous erythema multiforme with benign neoplasm. Basler RS. **JAMA** 225:995, 20 Aug 73

Multiple chemotherapeutic agents for Hodgkin disease. Comparison of three routines: a cooperative study by acute leukemia group B. Stutzman L, et al. **JAMA** 225:1202-11, 3 Sep 73

Deaths from asthma. Herxheimer H, et al. **Lancet** 2:326-7, 11 Aug 73

Association of malignant melanoma and malignant lymphoma. Tashima CK. **Lancet** 1:266, 4 Aug 73

Focal necrotizing glomerulonephritis: treatment with prednisone and chlorambucil. Johnson JR, et al. **Med J Aust** 2:9-12, 7 Jul 73

Lipoid nephrosis: an approach to the clinicopathologic analysis and dismemberment of idiopathic nephrotic syndrome with minimal glomerular changes. Jao W, et al. **Medicine (Baltimore)** 52:445-68, Sep 73

Therapy of herpes simplex virus infections: a prospective view. Schwartz J, et al. **Mt Sinai J Med NY** 40:641-51, Sep-Oct 73

Cerebral mass due to sarcoidosis. Regression during corticosteroid therapy. Griggs RC, et al. **Neurology (Minneap)** 23:981-9, Sep 73

Thrombocytopenic purpura in infectious mononucleosis. Casey TP, et al. **NZ Med J** 77:318-20, May 73

Intermittent prednisone therapy in children and adolescents after renal transplantation. Reimold EW. **Pediatrics** 52:235-40, Aug 73

Polymyositis: new light on pathogenesis and treatment. Walton JN. **Proc Aust Assoc Neurol** 9:1-7, 1973 (24 ref.)

The pattern of erythrocyte sequestration in immunohaemolysis. Effects of prednisone treatment and splenectomy. Christensen BE. **Scand J Haematol** 10:120-9, 1973

Polycystic renal disease treated by renal transplantation. Salvatierra O Jr, et al. **Surg Gynecol Obstet** 137:431-4, Sep 73

Planned preimmunization of renal allograft recipients. Newton WT, et al. **Surgery** 74:430-6, Sep 73

Temporal arteritis: improvement in visual prognosis and management with repeat biopsies. Cohen DN. **Trans Am Acad Ophthalmol Otolaryngol** 77:op74-85, Jan-Feb 73

The limitations of corticosteroids and cryotherapy for subglottic hemangioma. Schechter GL, et al. **Trans Am Acad Ophthalmol Otolaryngol** 76:1360-2, Sep-Oct 72

Granulomatous hepatitis and prolonged fever of unknown origin. Wolff SM, et al. **Trans Am Clin Climatol Assoc** 84:149-65, 1973

Hemodialysis on end-stage lupus nephritis. Copion N, et al. **Trans Am Soc Artif Intern Organs** 19:302-4, 1973

The treatment of Hodgkin's disease. Fairley GH. **Trans Med Soc Lond** 88:61-71, 1972

Combination chemotherapy: rationale for schedule selection and use of agents with independent toxicities in phase I and II clinical trials. Gottlieb JA. **Transplant Proc** 5:1185-9, Sep 73

Host defense, chemical immunosuppression, and the transplant recipient. Relative effects of intermittent versus continuous immunosuppressive therapy with reference to the objectives of treatment. Hersh EM, et al. **Transplant Proc** 5:1191-5, Sep 73

The appearance of reticulum cell sarcoma at the site of antilymphocyte globulin injection. Cotton JR, et al. **Transplantation** 16:154-7, Aug 73

[Chronic lymphoid leukemia followed by periarteritis nodosa] Bastin R, et al. **Ann Med Interne (Paris)** 124:119-25, Feb 73 (Fre)

[Infectious pulmonary complications observed after renal transplantation (analysis of 104 cases)] Chebat J, et al. **Ann Med Interne (Paris)** 124:99-105, Feb 73 (Fre)

[Hyperthyroidism--thrombopenic purpura--vitiligo] Godeau P, et al. **Ann Med Interne (Paris)** 124:327-31, Apr 73 (Fre)

[The evolution of idiopathic autoimmune hemolytic anemia] Zittoun R, et al. **Ann Med Interne (Paris)** 124:313-6, Apr 73 (Fre

[Active immunotherapy in acute lymphoid leukemia in children. Influence of several factors on the results] Mathe G, et al. **Arch Fr Pediatr** 30:65-81, Jan 73 (Eng. Abstr.) (Fre

[Hyperhaptoglobinemia in chronic alcoholics] Lamy J et al. **Clin Chim Acta** 46:257-60, 14 Jul 73 (Eng. Abstr.) (Fre

[Critical reflections on treatment of lupic nephropathy: comparative study of the action o corticoids, synthetic antimalarial-indomethacin combination and heparin] Conte J, et al. **J Urol Nephrol (Paris)** 79:332-50, Apr-May 73 (Fre

[Generalized and solitary plasmacytomas. Analysis o 55 cases] Wildiers J, et al. **Rev Med Liege** 28:454-9, 15 Jun 73 (Eng. Abstr.) (Fre

[Anatomo-clinical presentation: disseminated lupu erythematosus] Baumann RP. **Rev Med Suisse Romande** 92:679-82, Sep 72 (Fre

[Two cases of Lyell's syndrome (toxic epiderm necrosis) in children] Spahr A, et al. **Rev Med Suisse Romande** 92:935-44, Dec 72 (Fre

[Azathioprine and hepatic functional structures (clinical and experimental studies)] Nicolaescu T, e al. **Rev Roum Physiol** 10:281-7, 1973 (Fre

[Lithium therapy of thyrotoxicosis. Clinical experiences and results with a new therapeut principle] Gerdes H, et al. **Dtsch Med Wochenschr** 98:1551-4, 24 Aug 73 (En Abstr.) (Ge

[Therapeutic modification of polycythemia vera b transferred anti-erythrocyte antibodies] Hrubiško M et al. **Haematologia (Budap)** 7:25-33, 1973 (Ge

[Dermatomyositis syndromes and their immunosuppressive therapy. (Report of 4 cases Banzhaf M, et al. **Z Aerztl Fortbild (Jena)** 67:37-41, 1 Jan 73 (Ge

[Drug therapy of soft tissue rheumatism] Inama J **Z Rheumaforsch** 32:191-2, May-Jun 73 (Ge

[The effect of long-term prednisone on growth and the hypothalmic-pituitary-adrenal axis] Drezner Z, al. **Harefuah** 85:70-2, 15 Jul 73 (Eng. Abstr.) (He

[Place of Vinca rosea alkaloids (Catharanthus roseu in the treatment of Hodgkin's disease] Cardinali **Haematologica (Pavia)** 53:51-64, 1973 (It

[Polychemotherapy of Hodgkin's lymphoma. 3. Sta IV] Lauria F, et al. **Haematologica (Pavia)** 57:536-42, 1972 (Eng. Abstr (It

[General considerations on therapeutic strategy malignant granuloma] Mauri C. **Haematologica (Pavia)** 53:1-10, 1973 (Eng. Abst (It

[Treatment of advanced breast cancer with a combination of vincristine, fluorouracil, methotrexate, cyclophosphamide and prednison Rosso R, et al. **Tumori** 59:163-5, Mar-Apr 73 (Eng. Abstr.) (It

PREGNANETRIOL

URINE

Suppression and stimulation of plasma testostero and DHT in hirsute women. Paetzmann H, et **Acta Endocrinol [Suppl] (Kbh)** 173:170, 1973

The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated w gonadotrophins. Crooke AC, et al. **J Obstet Gynaecol Br Commonw** 80:745-9, Aug

[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular orig Gorins A, et al. **Ann Endocrinol (Paris)** 34:48-56, Jan-Feb 73 (E Abstr.) (F

[Qualitative and quantitative analyses of urin 17-ketosteroids and 20-hydroxy-21-deoxysteroids gas-liquid chromatography and mass spectromet

Desgres J, et al.
Clin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**
Iodus of hormonal excretion and hormonal effects of alpha-methyl-5-alpha-androsten-17-beta-ol-3-on mesterolon in women)] Abrahamsson L, et al.
Arch Gynaekol 215:157-69, 25 Jun 73 (Eng. Abstr.) **(Ger)**
Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al.
Folia Endocrinol (Roma) 26:110-7, Apr 73 (Eng. Abstr.) **(Ita)**
Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al.
Folia Endocrinol (Roma) 26:118-25, Apr 73 (Eng. Abstr.) **(Ita)**
Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol,17-hydrocorticosteroids and 17-ketosteroids during normal and clinically uncomplicated menstrual cycle] Rivera Damm R, et al.
Ginecol Obstet Mex 33:301-11, Mar 73 (Eng. Abstr.) **(Spa)**

TRIAMCINOLONE

Incidence of decreased glucose tolerance during impaired function of the thyroid gland] Zamrazil V, et al.
Vnitr Lek 19:634-41, Jul 73 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Epidermal triamcinolone treatment of nail dystrophies. Abell E, et al.
Br J Dermatol 89:191-7, Aug 73
Triamcinolone: adjuvant therapy for vesical neck contractures. Damico CF, et al.
J Urol 110:203-4, Aug 73
Cortisone treatment of mediastinal-pulmonary sarcoidosis: necessity of early treatment and place of A.C.T.H. therapy (apropos of an evaluation of 75 cases)] Brun J, et al.
Poumon Coeur 28:321-31, 1972 (Eng. Abstr.) **(Fre)**
[Corticoids in hemangiomas] Nasemann T.
Hautarzt 24:318, Jul 73 **(Ger)**
[Problems of facial soft tissue injury] Walter C.
HNO 21:182-6, Jun 73 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Vascular necrosis of the femora heads after removal of hypophyseal tumor] Tesárek B, et al.
Fysiatr Reumatol Vestn 51:229-32, Aug 73 (Eng. Abstr.) **(Cze)**

BLOOD

Receptors for glucocorticoids in lung tissue. Toft D, et al.
Arch Biochem Biophys 152:464-9, Aug 73

PHARMACODYNAMICS

Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Tanabe H, et al. **Endocrinology** 93:411-6, Aug 73
Mutual effects of corticosteroids and genetic cell [system] Romanenko GF, et al.
Exp Immunol (Leipz) 18:161-2, 1972 (Eng. Abstr.) **(Ger)**
Distribution hyponatremia syndrome in liver [cirrhosis] Smoczyński M.
Wiad Lek 26:1259-62, 1 Jul 73 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Epidermal triamcinolone treatment of nail dystrophies. Abell E, et al.
Br J Dermatol 89:191-7, Aug 73
Triamcinolone: adjuvant therapy for vesical neck contractures. Damico CF, et al.
J Urol 110:203-4, Aug 73

[Cortisone treatment of mediastinal-pulmonary sarcoidosis: necessity of early treatment and place of A.C.T.H. therapy (apropos of an evaluation of 75 cases)] Brun J, et al.
Poumon Coeur 28:321-31, 1972 (Eng. Abstr.) **(Fre)**
[Corticoids in hemangiomas] Nasemann T.
Hautarzt 24:318, Jul 73 **(Ger)**
[Distribution hyponatremia syndrome in liver cirrhosis] Smoczyński M.
Wiad Lek 26:1259-62, 1 Jul 73 (Eng. Abstr.) **(Pol)**
[Steroid therapy of the nephrotic form of chronic glomerulonephritis] Pyrig LA.
Vrach Delo 1:82-4, Jan 73 (Eng. Abstr.) **(Rus)**

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Topical steroid-antibiotic combinations: assay of use in experimentally induced human infections. Marples RR, et al. **Arch Dermatol** 108:237-40, Aug 73
Induction of parturition in cattle with corticosteroids: an analysis of field trials. Welch RA, et al.
NZ Vet J 21:103-8, Jun 73
[Hypersensitivity towards carboxymethylcellulose, constituent of a steroid crystal suspension] Müller E, et al. **Hautarzt** 24:317-8, Jul 73 **(Ger)**
[Trials with triamcinolone acetonide in the therapy of hay fever (rhinitis alergica)] Jorde W.
Med Welt 24:261-2, 16 Feb 73 **(Ger)**

ADVERSE EFFECTS

Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. **Teratology** 7:167-75, Apr 73

METABOLISM

Some bioassay methods for measuring percutaneous absorption. Stoughton RB.
Adv Biol Skin 12:535-46, 1972 (21 ref.)
Stratum corneum reservoir for drugs. Vickers CF.
Adv Biol Skin 12:177-89, 1972 (28 ref.)
Receptors for glucocorticoids in lung tissue. Toft D, et al. **Arch Biochem Biophys** 152:464-9, Aug 73
Demonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 73
Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. **Teratology** 7:167-75, Apr 73

PHARMACODYNAMICS

Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. **Teratology** 7:167-75, Apr 73
[The hemopulpogram after treatment with Ledermix] Karadžov O, et al.
Stomatol Glas Srb 258-66, Aug-Oct 72 **(Cro)**

THERAPEUTIC USE

Topical antipsoriatic agents and epidermal mitosis in man. Fisher LB, et al. **Arch Dermatol** 108:374-7, Sep 73
Topical steroid-antibiotic combinations: assay of use in experimentally induced human infections. Marples RR, et al. **Arch Dermatol** 108:237-40, Aug 73
Balanitis xerotica obliterans: report of a case in an 11-year-old and review of the literature. Mikat DM, et al. **Pediatrics** 52:25-8, Jul 73
[Use of triamcinolone acetonide (Kenacort Retard) in tropical dermatology] Faye I, et al.
Bull Soc Med Afr Noire Lang Fr 17:619-25, 1972 (Eng. Abstr.) **(Fre)**
[Trials with triamcinolone acetonide in the therapy of hay fever (rhinitis alergica)] Jorde W.
Med Welt 24:261-2, 16 Feb 73 **(Ger)**

IV. Related Topics

AMINOGLUTETHIMIDE

METABOLISM

In-vitro corticosteroid synthesis in rat adrenals. II. Evidence for (an) alternative pathway(s) of synthesis. Diedrichsen G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:74, 1973

PHARMACODYNAMICS

Control of ovarian cholesterol ester biosynthesis. Flint AP, et al. **Biochem J 132:313-21, Feb 73**
The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology 93:723-8, Sep 73**
Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlik K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 1973

THERAPEUTIC USE

Effects of aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands in Cushing's syndrome. Motlik K, et al.
Virchows Arch [Pathol Anat] 360:11-26, 1973

DDD

ADVERSE EFFECTS

Premature births in California sea lions: association with high organochlorine pollutant residue levels. DeLong R, et al. **Science 181:1168-70, 21 Sep 73**

ANALYSIS

Cigarette smoke tracers: gas chromatographic analysis of decachlorobiphenyl. Lewis CI, et al.
Am Rev Respir Dis 108:367-70, Aug 73
Distribution, metabolism, and excretion of DDT and mirex by a marine teleost, the winter flounder. Pritchard JB, et al.
Environ Health Perspect 4:45-54, Jun 73
Some characteristics of metabolism of organochlorine compounds in the bovine. Stuil JW, et al.
Fed Proc 32:1995-2002, Sep 73
Immunologic studies on Heligmosomoides polygyrus infection in the mouse: the dynamics of single and multiple infections and the effect of DDT upon acquired resistance. Neilson JT, et al.
Int J Parasitol 3:371-8, May 73
Residues in fish, wildlife, and estuaries; organochlorine residues in estuarine mollusks, 1965-72--National Pesticide Monitoring Program. Butler PA.
Pestic Monit J 6:238-362, Mar 73

[Residues of DDT and PCB in Norwegian sprat (Clupea sprattus) and herring (Clupea harengus)] Bjerk JE.
Nord Vet Med 24:451-7, Sep 72 (Eng. Abstr.) (Nor)
[Chlorinated hydrocarbons in adipose tissue of persons with gastrointestinal diseases] Kontek M, et al.
Pol Tyg Lek 28:860-2, 4 Jun 73 (Eng. Abstr.) (Pol)

BLOOD

[Determination of 2,4-DDD, its derivatives and technological admixtures in drug forms of the preparation and in biological material by gas-liquid chromatography] Matveeva SA.
Izv Akad Nauk SSSR [Biol] 5:742-6, Sep-Oct 72 (Eng Abstr.) (Rus

PHARMACODYNAMICS

[Experimental data on the adrenocorticolytic activit of m,p-1dichlorodiphenyldichloroethane and p,p-1-diethyldiphenyldichloroethane] Reznikov AG
Probl Endokrinol (Mosk) 19:71-4, May-Jun 73 (Eng Abstr.) (Rus

THERAPEUTIC USE

[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and afte administration of drugs] Yamada S.
Folia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abstr (Jap

METYRAPONE

ADMINISTRATION & DOSAGE

Plasma corticosteroid response to metyrapone. simplified assessment of pituitary-adrenal functio Jorgensen H, et al. **Acta Med Scand 193:537-42, Jun**
[Influence of ACTH, metopirone and cortisone c central regulatory centers] Mühlen K aus der, et a
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (En Abstr.) (Ge

DIAGNOSTIC USE

Pituitary and gonadal function in hypogonadotroph hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73
Hypothalamic-pituitary-adrenal function in patien with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
Effect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et
Acta Endocrinol (Kbh) 73:417-26, Jul 73
The regulation of monoamine oxidase activity adrenal cortical steroids. Parvez H, et al.
Acta Endocrinol (Kbh) 73:509-17, Jul 73
Plasma corticosteroid response to metyrapone. simplified assessment of pituitary-adrenal functio Jorgensen H, et al. **Acta Med Scand 193:537-42, Jun**
The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. Chri NP. **J Chronic Dis 26:261-4, May 73**
[Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and af administration of drugs] Yamada S.
Folia Endocrinol Jap 49:844-64, 20 Jun 73 (Eng. Abst (Ja

METABOLISM

In-vitro corticosteroid synthesis in rat adrenals. Results indicating (an) alternative pathway(s) synthesis without the intermediates choleste pregnenolone and progesterone. Diedrichsen G, et
Acta Endocrinol [Suppl] (Kbh) 173:73, 1973

PHARMACODYNAMICS

Interaction of drugs and steroids with human placer

nicrosomes. Bergheim P, et al.
Biochem Pharmacol 22:1633-45, 1 Jul 73
ereoselective inhibition of steroid
1-beta-hydroxylation in ox and sheep adrenocortical
nitochondria: comparison of metyrapone and the
nantiomers of 2-(4-aminophenyl)-2-phenethylamine
SKF-12185). Hewick DS, et al.
Biochem Pharmacol 22:1653-9, 1 Jul 73
ucagon-initiated human growth hormone release: a
omparative study. Cain JP, et al.
Can Med Assoc J 107:617-22, 7 Oct 72
he gonadotropin-primed rat: a model for testing
gents that influence steroid biosynthesis. Sherwood
D, et al. **Endocrinology** 93:723-8, Sep 73
nfluence of ACTH, metopirone and cortisone on
entral regulatory centers] Mühlen K aus der, et al.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (Eng. Abstr.) **(Ger)**
ransdifferentiation of the cells of the intermediate
obe of the pituitary] Dedov II.
Izv Akad Nauk SSSR [Biol] 3:421-5, May-Jun 72 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

pocholesterolaemia in hyperadrenal states. Reschini
C, et al. **Br Med J** 3:171, 21 Jul 73

ITUITARY-ADRENAL SYSTEM

ochemical and endocrinological studies in
arasite-infested patients with and without
nfantilism. Abdel-Kader MM, et al.
Acta Paediatr Acad Sci Hung 13:359-65, 1972
ominance relations and the pituitary-adrenal system
n rats. Popova NK, et al. **Anim Behav** 20:108-11, Feb 72
ysiological and biochemical correlates of individual
ifferences in behavior of wolf cubs. Fox MW, et al.
Behaviour 46:129-40, 1973
ircadian rhythm of CRF activity in the hypothalamus
fter stress. Takebe K, et al.
Endocrinol Jap 19:567-70, Dec 72
owth hormone regulation and
ypothalamic-pituitary-adrenal function in anorexia
ervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72
ospital noise--levels and potential health hazards.
Falk SA, et al. **N Engl J Med** 289:774-81, 11 Oct 73
ffects of hypothalamic stimulation on
ituitary-adrenocortical activity in conscious
nrestrained pigeons. Bouillé C, et al.
Neuroendocrinology 12:284-94, 1973
stweaning development of negative feedback in the
ituitary-adrenal system of the rat. Goldman L, et al.
Neuroendocrinology 12:199-211, 1973
ssue CRF: an extra-hypothalamic corticotrophin
eleasing factor (CRF) in the peripheral blood of
tressed rats. Lymangrover JR, et al.
Neuroendocrinology 12:225-35, 1973
ituitary-adrenal responsiveness during lactation in
ats. Stern JM, et al.
Neuroendocrinology 12:179-91, 1973
aring experience, stress and adrenocorticosteroids
n the rhesus monkey. Meyer JS, et al.
Physiol Behav 8:339-43, Feb 72
lectric stimulation of the olfactory nerve and
iuresis] Orlandi F, et al.
Folia Endocrinol (Roma) 26:152-60, Apr 73 (Eng. Abstr.) **(Ita)**
eport of six cases of myotonic dystrophy, especially
n the endocrine functions] Nagai H, et al.
Jap Soc Intern Med 62:770-82, Jul 73 **(Jap)**
orphological aspects of the problem of hypophyseal
egulation of the glomerular zone of the adrenal
land. II. Histochemistry of the adrenocortical cells of
irds and amphibia under ACTH stimulation]
Kacheva GA.
Arkh Anat Gistol Embriol 64:57-61, May-Jun 73 (Eng. Abstr.) **(Rus)**
ostpartum amenorrhea and galactorrhea syndrome
ssociated with primary hypothyroidism. Functional
tudy of the secretion of prolactin] Pico I, et al.
Ginecol Obstet Mex 33:251-5, Mar 73 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

minance relations and the pituitary-adrenal system
n rats. Popova NK, et al. **Anim Behav** 20:108-11, Feb 72
e clinical significance of pituitary-adrenal
suppression by exogenous corticosteroids. Christy NP. **J Chronic Dis** 26:261-4, May 73
Postweaning development of negative feedback in the pituitary-adrenal system of the rat. Goldman L, et al. **Neuroendocrinology** 12:199-211, 1973
Rearing experience, stress and adrenocorticosteroids in the rhesus monkey. Meyer JS, et al. **Physiol Behav** 8:339-43, Feb 72
[Systemic effects of topical corticosteroid treatment] Yamada K.
Jap J Dermatol [A] 82:1079-92, Nov 72 **(Jap)**
[Effect of reserpine on the hypothalamo-hypophyseo-adrenal system of the rat in the prenatal and early postnatal periods] Skebel'skaia IuB, et al.
Probl Endokrinol (Mosk) 19:52-7, May-Jun 73 (Eng. Abstr.) **(Rus)**

RENIN

The distribution of glyco-kappa-casein and carbohydrate-free kappa-casein between large and small bovine casein micelles, and its implication in micelle structure. Creamer LK, et al.
Biochim Biophys Acta 317:202-6, 12 Jul 73
Measurement of concentrations of angiotensin I in human blood by radioimmunoassay. Waite MA.
Clin Sci 45:51-64, Jul 73
The activation of a possible zymogen of renin in rabbit kidney extracts. Leckie B. **J Endocrinol** 58:xxvi, Jul 73
[Contribution of hemodynamic studies to the diagnosis and treatment of arterial hypertension] Safar M, et al.
Rev Prat 23:681-2 passim, 11 Feb 73 **(Fre)**
[Morphodynamic study on the ontogenesis of the renin-angiotensin system] Rojo-Ortega JM, et al.
Union Med Can 102:787-804, Apr 73 (Eng. Abstr.) **(Fre)**

ANALYSIS

Renin-angiotensin in extrarenal tissues. Ganten D, et al. **Verh Dtsch Ges Inn Med** 78:1510-2, 1972
[Changes of the renin-angiotensin system in fasting rats] Otokida K, et al.
Jap J Nephrol 15:1-10, Jan 73 (Eng. Abstr.) **(Jap)**

ANTAGONISTS & INHIBITORS

Enhancement of serum renin activity by exercise in the rat. Leon AS, et al. **Med Sci Sports** 5:40-3, Spring 73
Effect on blood pressure of intravenous administration of a phospholipid renin preinhibitor and its active form in renal hypertensive rats. Antonello A, et al.
Pfluegers Arch 341:113-20, 26 Jun 73
Measurements of renin-angiotensin-aldosterone. Poulsen K. **Pharmacol Rev** 25:249-57, Jun 73 (70 ref.)

BIOSYNTHESIS

Structure and function of the juxtaglomerular apparatus. Endes P, et al.
Morphol Igazsagugyi Orv Sz 13:249-56, Aug 73
[Some new aspects of the renin-angiotensin system] Ganten D, et al.
Union Med Can 102:775-86, Apr 73 (148 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 73
Renal tubular acidosis, presenting as a syndrome resembling Bartter's syndrome, in a patient with arachnodactyly. Takeda R, et al.
Acta Endocrinol (Kbh) 73:531-42, Jul 73
Plasma renin activity during the normal menstrual cycle. Kaulhausen H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:160, 1973
Relationships between weight changes and renin, aldosterone, estrogens and progesterone in cyclical edema. Oelkers W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:159, 1973
Primary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE de, et al. **Acta Med Scand** 193:565-71, Jun 73
Antihypertensive action of propranolol. Specific antirenin responses in high and normal renin forms of essential, renal, renovascular and malignant

hypertension. Bühler FR, et al.
Am J Cardiol 32:511-22, 20 Sep 73
Plasma aldosterone-renin interrelationships in various forms of essential hypertension. Studies using a rapid assay of plasma aldosterone. Bühler FR, et al.
Am J Cardiol 32:554-61, 20 Sep 73
Management of severe hypertension. Kincaid-Smith P.
Am J Cardiol 32:575-81, 20 Sep 73
Correlation of pathophysiology and pharmacotherapy in primary hypertension. Koch-Weser J.
Am J Cardiol 32:499-510, 20 Sep 73 (110 ref.)
Toxemia of pregnancy. Mechanism and therapeutic management. Speroff L.
Am J Cardiol 32:582-91, 20 Sep 73 (67 ref.)
Volume factor in low and normal renin essential hypertension. Treatment with either spironolactone or chlorthalidone. Vaughan ED Jr, et al.
Am J Cardiol 32:523-32, 20 Sep 73
Six year follow-up of a child with Bartter syndrome. Ramanathan K, et al. **Am J Dis Child** 126:230-5, Aug 73
Effects of renal denervation on renin release in sodium-depleted dogs. Gotshall RW, et al.
Am J Physiol 225:344-9, Aug 73
Segmental renal-vein renin sampling for segmental renal infarction. Studies in a hypertensive patient. Stockigt JR, et al. **Ann Intern Med** 79:67-70, Jul 73
Indications for pretransplant nephrectomy. Rosenberg JC, et al. **Arch Surg** 107:233-41, Aug 73
Changes in plasma levels of vasopressin and renin in response to haemorrhage in dogs. Cousineau D, et al.
Br J Pharmacol 47:315-24, Feb 73
Spironolactone as a nonspecific treatment for primary aldosteronism. Bravo EL, et al.
Circulation 48:491-8, Sep 73
Variations in arterial blood pressure after kidney transplantation. Relation to renal function, plasma renin activity, and the dose of prednisone. Popovtzer MM, et al. **Circulation** 47:1297-305, Jun 73
Plasma renin response to lithium in psychiatric patients. Shopsin B, et al.
Clin Pharmacol Ther 14:561-4, Jul-Aug 73
Protective effect of frusemide in acute tubular necrosis and acute renal failure. Bailey RR, et al.
Clin Sci 45:1-17, Jul 73
The relationship between body fluid compartment volumes, renin activity and blood pressure in chronic renal failure. Dathan JR, et al. **Clin Sci** 45:77-88, Jul 73
Plasma renin activity, plasma angiotensin and plasma and urinary electrolytes in normal and toxaemic pregnancy, including a prospective study. Gordon RD, et al. **Clin Sci** 45:115-27, Jul 73
Plasma renin activity (PRA) in Parkinson's disease before and after stereotaxic operation. Klasen H, et al. **Confin Neurol** 34:281-4, 1972
The effect of trimazosin in essential hypertension. De Gula D, et al. **Curr Ther Res** 15:339-48, Jul 73
Effects of estrogens on renin substrate and uterine weights in rats. Ménard J, et al.
Endocrinology 93:747-51, Sep 73
The histopathology of Conn's adenoma and of attached adrenal cortex. Maltinti G, et al.
Folia Endocrinol (Roma) 26:85-101, Apr 73
Plasma renin activity in Japanese eels (Anguilla japonica) adapted to seawater or in dehydration. Sokabe H, et al. **Gen Comp Endocrinol** 21:160-7, Aug 73
Periodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Richards P, et al. **Gut** 14:478-84, Jun 73
Ultrastructure of a renin-secreting juxtaglomerular cell tumor of the kidney. MacCallum DK, et al.
Invest Urol 11:65-74, Jul 73
Hypertension resulting from ligation of segmental renal vessels. Mounger EJ. **Invest Urol** 11:121-4, Sep 73
Effect of altitude on renin-aldosterone system and metabolism of water and electrolytes. Hogan RP 3d, et al. **J Appl Physiol** 35:385-90, Sep 73
Postural effects on Na and steroid excretion, and serum renin activity during pregnancy. Lindheimer MD, et al. **J Appl Physiol** 35:343-8, Sep 73
Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronism. Kem DC, et al.
J Clin Invest 52:2272-7, Sep 73
Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Kans Med Soc 74:304-5 passim, Aug 73
Elevated circulating renin activity in rats following doses of cadmium known to induce hypertension. Perry HM Jr, et al. **J Lab Clin Med** 82:399-405, Sep 73
A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl. Kelch RP, et al. **J Pediatr** 83:432-7, Sep 73
Relationship between renin activity and concentration; application of a direct renin assay following partial renal artery occlusion. Harris PJ, et al.
J Physiol (Lond) 232:70P-71P, Jul 73
Renal failure, uncontrollable thirst, and hyperreninemia. Cessation of thirst with bilateral nephrectomy. Rogers PW, et al.
JAMA 225:1236-8, 3 Sep 73
Renin-angiotensin system in human hypertension due to segmental renal ischemia. Miura Y, et al.
Jap Circ J 37:383-92, Apr 73
Mineralocorticoids and rectal potential difference. Beevers DG. **Lancet** 2:682-3, 22 Sep 73
Lack of association between plasma-renin and history of heart-attack or stroke in patients with essential hypertension. Mroczek WJ, et al.
Lancet 2:464-8, 1 Sep 73
Enhancement of serum renin activity by exercise in the rat. Leon AS, et al. **Med Sci Sports** 5:40-3, Spring 7
Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S
Metabolism 22:1027-32, Aug 73 (42 ref.)
Time course of decrease in blood pressure and in blood pressure response to vasopressor agents during pregnancy in the rat. Teeuw AH, et al.
Pfluegers Arch 341:197-208, 6 Jul 73
Measurements of renin-angiotensin-aldosterone. Poulsen K. **Pharmacol Rev** 25:249-57, Jun 73 (70 ref
Effect of PGA1 on renin and aldosterone in man. Car AA. **Prostaglandins** 3:621-8, May 73
Significance of the effects of prostaglandins on rena and adrenal function in man. Fichman M, et a
Prostaglandins 3:629-46, May 73 (35 ref.)
An essay: prostaglandins and toxemia of pregnanc Speroff L. **Prostaglandins** 3:721-8, May 73
Plasma renin activity in rats fed exclusively on mai (mealie) meal. Warton CM, et al.
S Afr Med J 47:1498-500, 25 Aug 73
Diagnostic considerations in secondary hypertensio Fleischer N. **Tex Med** 69:64-70, Jul 73
Renin activity and peripheral resistance in hypertensive uremics on chronic dialysis. Del Gre F, et al.
Trans Am Soc Artif Intern Organs 19:293-7, 19
[Influence of beta-adrenergic blockade on plasma ren activity] Slabý A, et al.
Cas Lek Cesk 112:184-6, Feb 73 (Eng. Abstr.) (Cz
[Radioimmunoassays of aldosterone and plasma ren activity. Application to the diagnosis of prima aldosteronism] Corvol P, et al.
Ann Endocrinol (Paris) 34:57-65, Jan-Feb 73 (Er (Fr Abstr.)
[Hemodynamic effects of prostaglandin A2 in essent hypertension] Hornych A, et al.
Ann Med Interne (Paris) 124:355-8, Apr 73 (Fr
[Hypertension of renal origin] Rorive G.
Rev Med Liege 28:464-71, Jul 73 (Fr
[3 cases of Schwartz-Bartter syndrome during bronchial cancers observed in a department general medicine in less than one year] Klepping C, al. **Sem Hop Paris** 49:1087-92, 26 Mar 73 (Fr
[Some new aspects of the renin-angiotensin syste Ganten D, et al.
Union Med Can 102:775-86, Apr 73 (148 ref.) (E (F Abstr.)
[Renal artery disease. A series of 42 cases] Lemieux et al.
Union Med Can 101:857-64, May 72 (Eng. Abstr.) (F
[Exact measurement of subnormal renin concentrations in primary aldosteronism usin radioimmunologic demonstration of angiotension Beckerhoff R, et al.
Verh Dtsch Ges Inn Med 78:1508-10, 1972 (G
[Age-dependent decrease of renin concentration in human plasma] Krause DK, et al.
Verh Dtsch Ges Inn Med 78:1644-7, 1972 (G
[Apresoline stimulation of renal-vein plasma re activity in the diagnosis of renovascular hypertension] Rosenthal J, et al.
Verh Dtsch Ges Inn Med 78:1495-8, 1972 (G
[Critical evaluation of the "wash-out" test i comparison with renin determination in revovasc hypertension] Dieterich WR, et al.
Z Urol Nephrol 65:851-9, Nov 72 (C
[Renin-angiotensin system and vascular sensitivit hyperthyroidism] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 21:615-8, Jun 73 (J
[Plasma aldosterone levels in primary aldosteronis

Renin-angiotensin system and aldosterone] Fukuchi S, et al.
Polia Endocrinol Jap 49:781-7, 20 May 73 (Eng. Abstr.) (Jap)

Renin-angiotensin-aldosterone system in hyperthyroidism] Fukuchi S, et al.
Polia Endocrinol Jap 49:871-5, 20 Jun 73 (Eng. Abstr.) (Jap)

Plasma aldosterone levels in primary aldosteronism. I. Aldosterone and ACTH] Fukuchi S, et al.
Polia Endocrinol Jap 49:981-7, 20 Jul 73 (Eng. Abstr.) (Jap)

Radioimmunoassay of plasma aldosterone and its clinical application] Ogihara T, et al.
Polia Endocrinol Jap 49:619-28, 20 Mar 73 (Eng. Abstr.) (Jap)

Split renal and peripheral vein renin activities in patients with renal hypertension] Masaki Z.
Jap J Nephrol 15:61-9, Feb 73 (Eng. Abstr.) (Jap)

Split renal and peripheral vein renin activities in the unilateral renovascular hypertension in rabbits] Masaki Z.
Jap J Nephrol 15:71-80, Feb 73 (Eng. Abstr.) (Jap)

Plasma renin activity in patients with pheochromocytoma] Wocial B, et al.
Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) (Pol)

The influence of mannitol and furosemide on plasma renin activity in dogs with expansion of the extracellular volume] Cipullo JP, et al.
Rev Bras Pesqui Med Biol 6:1-10, Jan-Apr 73 (Eng. Abstr.) (Por)

Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (Rus)

Activity of plasma renin and aldosterone excretion in patients with macrofocal myocardial infarct and its complications] Omel'chenko AP.
Kardiologiia 13:35-41, 1973 (Eng. Abstr.) (Rus)

Plasma renin activity in adolescents with primary arterial hypertension] Markov KhM, et al.
Pediatriia 51:44-6, Oct 72 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Separation of isorenin activity from nerve growth factor (NGF) activity in mouse submaxillary gland extracts. Cozzari C, et al.
Biochem Pharmacol 22:1321-7, 1 Jun 73

METABOLISM

Renin release from the ischaemic kidney. Long JS, et al.
Br J Pharmacol 48:97-105, May 73

Relationship between renin activity and concentration; application of a direct renin assay following partial renal artery occlusion. Harris PJ, et al.
J Physiol (Lond) 232:70P-71P, Jul 73

Role of the renal lymph in relation to the renin-angiotensin system in the rat. Horký K, et al.
Physiol Bohemoslov 22:1-9, 1973

Changes of the renin-angiotensin system in fasting rats] Otokida K, et al.
Jap J Nephrol 15:1-10, Jan 73 (Eng. Abstr.) (Jap)

PHARMACODYNAMICS

Interaction of angiotensin with disseminated intravascular coagulation: a possible mechanism in the genesis of acute renal failure. Whitaker AN, et al.
Am J Pathol 72:1-12, Jul 73

Separation of isorenin activity from nerve growth factor (NGF) activity in mouse submaxillary gland extracts. Cozzari C, et al.
Biochem Pharmacol 22:1321-7, 1 Jun 73

Time course of decrease in blood pressure and in blood pressure response to vasopressor agents during pregnancy in the rat. Teeuw AH, et al.
Pfluegers Arch 341:197-208, 6 Jul 73

On the pathogenesis of renovascular hypertension. Eide I. Scand J Clin Lab Invest 31:129-32, Mar 73

PHYSIOLOGY

Acute renal failure in obstetric septic shock. Current views on pathogenesis and management. Emmanouel DS, et al.
Am J Obstet Gynecol 117:145-59, 1 Sep 73 (161 ref.)

Chronic renal failure. Pullman TN, et al.
Clin Symp 25:2-32, 1973

Renal failure, uncontrollable thirst, and hyperreninemia. Cessation of thirst with bilateral nephrectomy. Rogers PW, et al.
JAMA 225:1236-8, 3 Sep 73

Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S.
Metabolism 22:1027-32, Aug 73 (42 ref.)

On the pathogenesis of renovascular hypertension. Eide I. Scand J Clin Lab Invest 31:129-32, Mar 73

[Some new aspects of the renin-angiotensin system] Ganten D, et al.
Union Med Can 102:775-86, Apr 73 (148 ref.) (Eng. Abstr.) (Fre)

[Functional state of the renin-hypertension-aldosterone system in chronic circulatory insufficiency] Kukes VG, et al.
Klin Med (Mosk) 50:109-14, Nov 72 (Eng. Abstr.) (Rus)

SECRETION

Relationship between intrarenal distribution of blood flow and renin secretion. Abe Y, et al.
Am J Physiol 225:319-23, Aug 73

Effects of renal denervation on renin release in sodium-depleted dogs. Gotshall RW, et al.
Am J Physiol 225:344-9, Aug 73

Biogenic amines, sympathetic nerves, and renin secretion. Ganong WF. Fed Proc 32:1782-4, Jul 73

Ultrastructure of a renin-secreting juxtaglomerular cell tumor of the kidney. MacCallum DK, et al.
Invest Urol 11:65-74, Jul 73

Relationship between renin activity and concentration; application of a direct renin assay following partial renal artery occlusion. Harris PJ, et al.
J Physiol (Lond) 232:70P-71P, Jul 73

Renin-angiotensin system in human hypertension due to segmental renal ischemia. Miura Y, et al.
Jap Circ J 37:383-92, Apr 73

Structure and function of the juxtaglomerular apparatus. Endes P, et al.
Morphol Igazsagugyi Orv Sz 13:249-56, Aug 73

Potassium, angiotensin and the dual control of aldosterone secretion. Laragh JH.
N Engl J Med 289:745-7, 4 Oct 73

The renin-aldosterone system in acromegaly: follow-up report. Strauch G, et al. N Engl J Med 289:808, 11 Oct 73

Role of the renal lymph in relation to the renin-angiotensin system in the rat. Horký K, et al.
Physiol Bohemoslov 22:1-9, 1973

[Influence of beta-adrenergic blockade on plasma renin activity] Slabý A, et al.
Cas Lek Cesk 112:184-6, Feb 73 (Eng. Abstr.) (Cze)

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) (Ger)

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

Volume factor in low and normal renin essential hypertension. Treatment with either spironolactone or chlorthalidone. Vaughan ED Jr, et al.
Am J Cardiol 32:523-32, 20 Sep 73

Disturbances of electrical activity of the brain induced by the spirolactone derivative potassium canrenoate. Simon O, et al.
Electroencephalogr Clin Neurophysiol 35:165-71, Aug 73

The mode of action and clinical use of spirolactones. Manitius A, et al. Mater Med Pol 4:83-8, Apr-Jun 72

[Pre- and intraoperative use of potassium canrenoate in addominal surgery] Eschner J, et al.
Med Welt 24:787-90, 11 May 73 (Ger)

ADVERSE EFFECTS

Adverse reactions to spironolactone. Winter IC.
JAMA 225:1387, 10 Sep 73

The mode of action and clinical use of spirolactones. Manitius A, et al. Mater Med Pol 4:83-8, Apr-Jun 72

[The role of anti-aldosterones in the treatment of arterial hypertension] Corvol P, et al.
Rev Prat 23:671-2 passim, 11 Feb 73 (Fre)

DIAGNOSTIC USE

[Plasma aldosterone levels in primary aldosteronism. 1.

Renin-angiotensin system and aldosterone] Fukuchi S, et al.
Folia Endocrinol Jap 49:781-7, 20 May 73 (Eng. Abstr.) **(Jap)**

PHARMACODYNAMICS

Six year follow-up of a child with Bartter syndrome. Ramanathan K, et al. **Am J Dis Child** 126:230-5, Aug 73

Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al.
Arzneim Forsch 23:867-70, Jun 73

Effect of spironolactone and pregnenolone-16alpha carbonitrile on bilirubin metabolism and plasma levels in male and female rats. Radzialowski FM.
Biochem Pharmacol 22:1607-11, 1 Jul 73

Disturbances of electrical activity of the brain induced by the spirolactone derivative potassium canrenoate. Simon O, et al.
Electroencephalogr Clin Neurophysiol 35:165-71, Aug 73

Drug therapy in cardiogenic shock. Ramdohr B.
Int J Clin Pharmacol 7:118-26, Apr 73

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-yl) propionic acid gamma-lactone, its preparation and antimineralocorticoid activity. Chinn LJ, et al.
J Med Chem 16:839-43, Jul 73

The effect of spironolactone on the mercury content of various organs of rats given methyl mercury. Pekkanen TJ, et al.
Zentralbl Veterinaermed [A] 20:140-4, Mar 73

[Influence of aldactone on drug decomposing enzymes in the liver endoplasmic reticulum of rat and man] Leber HW, et al.
Verh Dtsch Ges Inn Med 78:1358-62, 1972 **(Ger)**

[Cardial effects of aldosterone antagonists--electrophysiological measurements on papillary heart muscle] Lüderitz B, et al.
Verh Dtsch Ges Inn Med 78:1066-9, 1972 **(Ger)**

[Myocardial aspects of aldactone effect] Strauer BE.
Verh Dtsch Ges Inn Med 78:1063-6, 1972 **(Ger)**

[Effect of hypotiazide and aldactone on the blood coagulation and anticoagulation systems] Gaianova MN. **Kardiologiia** 13:114-7, May 73 **(Rus)**

THERAPEUTIC USE

Management of severe hypertension. Kincaid-Smith P.
Am J Cardiol 32:575-81, 20 Sep 73

Correlation of pathophysiology and pharmacotherapy in primary hypertension. Koch-Weser J.
Am J Cardiol 32:499-510, 20 Sep 73 (110 ref.)

Volume factor in low and normal renin essential hypertension. Treatment with either spironolactone or chlorthalidone. Vaughan ED Jr, et al.
Am J Cardiol 32:523-32, 20 Sep 73

Six year follow-up of a child with Bartter syndrome. Ramanathan K, et al. **Am J Dis Child** 126:230-5, Aug 73

Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al.
Arzneim Forsch 23:867-70, Jun 73

Spironolactone as a nonspecific treatment for primary aldosteronism. Bravo EL, et al.
Circulation 48:491-8, Sep 73

Disturbances of electrical activity of the brain induced by the spirolactone derivative potassium canrenoate. Simon O, et al.
Electroencephalogr Clin Neurophysiol 35:165-71, Aug 73

Drug therapy in cardiogenic shock. Ramdohr B.
Int J Clin Pharmacol 7:118-26, Apr 73

The effect of aldactone-A on intracellular potassium in patients with myasthenia gravis. Oosterhuis HJ, et al.
J Neurol Sci 19:453-60, Aug 73

The mode of action and clinical use of spirolactones. Manitius A, et al. **Mater Med Pol** 4:83-8, Apr-Jun 72

The rational management of ascites. Conn HO.
Prog Liver Dis 4:269-88, 1972 (115 ref.)

Chemotherapy for carcinoma of the pancreas. Waddell WR. **Surgery** 74:420-9, Sep 73

Use of diuretics in nonedematous states. Suki WN.
Tex Med 69:75-8, Jul 73 (10 ref.)

[Effects of spironolactone on myocardial hyperexcitability in decompensated heart failure] Tourniaire A, et al.
Coeur Med Interne 12:147-52, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[The role of anti-aldosterones in the treatment of arterial hypertension] Corvol P, et al.
Rev Prat 23:671-2 passim, 11 Feb 73 **(Fre)**

[Medical treatment of arterial hypertension in adults] Froment A, et al. **Rev Prat** 23:769-70, 11 Feb 73 **(Fre)**

[Hypercalcemia and thiazides] Wolf LM, et al.
Sem Hop Paris 49:1239-42, 8 Apr 73 (Eng. Abstr.) **(Fre)**

[Treatment of essential arterial hypertension with spironolactone: its value for the screening of primary hyperaldosteronism and prediction of its efficacy] Fournier A, et al.
Therapeutique 49:127-30, Feb 73 **(Fre)**

[Emergency therapy in manifested shock] Barteis O.
Fortschr Med 91:777-80, 21 Jun 73 **(Ger)**

[Effect of hypotiazide and aldactone on the blood coagulation and anticoagulation systems] Gaianova MN. **Kardiologiia** 13:114-7, May 73 **(Rus)**

TRANSCORTIN

Identification and partial purification of "transcortin"-like protein within human lymphocytes. Werthamer S, et al.
J Biol Chem 248:6398-407, 25 Sep 73

ANALYSIS

[Glucocorticoid function of the adrenals in terminal states in myocardial infarct] Golikov AP, et al.
Kardiologiia 13:15-20, May 73 (Eng. Abstr.) **(Rus)**

BLOOD

[Colorimetric determination of steroid hormones in the blood] Usui T, et al.
Jap J Clin Pathol 20:387-90, Jun 72 **(Jap)**

METABOLISM

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973

Properties of corticosterone-binding macromolecules from rat brain cytosol. Grosser BI, et al.
Brain Res 57:387-95, 27 Jul 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al.
Horm Metab Res 5:279-82, Jul 73

Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stárka L, et al. **Physiol Bohemoslov** 21:233-8, May 72

The role of transcortin in cortisol transport and cortisol excretion in children proteinurias. Astruc M, et al.
Steroids Lipids Res 4:30-8, 1973

A simple competitive protein-binding method for determination of progesterone in the rat plasma. Marić Z, et al. **Steroids** 22:113-21, Jul 73

[Comparative affinity of embryonal and maternal serums for corticosterone and progesterone in the rat] Savu L, et al.
Eur J Biochem 35:464-70, 15 Jun 73 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Interaction of glucocorticoids with rat liver nuclei. II Studies on the nature of the cytosol transfer factor and the nuclear acceptor site. Beato M, et al.
Biochemistry 12:3372-9, 28 Aug 73

The role of transcortin in the distribution of corticosterone in the rat. Acs Z, et al.
Horm Metab Res 5:279-82, Jul 73

URINE

The role of transcortin in cortisol transport and cortisol excretion in children proteinurias. Astruc M, et al.
Steroids Lipids Res 4:30-8, 1973

. Adrenal Medulla

DRENAL MEDULLA

ase of pheochromocytoma of the adrenal medulla ith Cushing's syndrome] Iwase S, et al. lin Endocrinol (Tokyo) 21:531-5, May 73 (Jap)

CYTOLOGY

e ionogenic nature of the secretory-granule embrane. Electrokinetic properties of isolated romaffin granules. Matthews EK, et al. iochem J 130:825-32, Dec 72

turation of the adrenal medulla. I. Uptake and orage of amines in isolated storage vesicles of the t. Slotkin TA. iochem Pharmacol 22:2023-32, 15 Aug 73

turation of the adrenal medulla. II. Content and roperties of catecholamine storage vesicles of the t. Slotkin TA. iochem Pharmacol 22:2033-44, 15 Aug 73

renocortical control of catecholamine metabolism in e dog adrenal medulla: relationship to protein nthesis. Pohorecky LA, et al. ndocrinology 93:566-74, Sep 73

rmal ultrastructure of the day old dog adrenal edulla. Carmichael SW, et al. Anat 115:113-8, May 73

e of the diazosulfanilic acid, pH 1 azure A sequence adrenal medulla and the effects of prior oxidation d reduction on the reaction in several species. Lillie D, et al. J Histochem Cytochem 21:448-54, May 73

e quantitative histochemistry of the mpathoadrenal system. II. Enzymes of the citric id, pentose phosphate and glycogenolytic pathways. elson JS. J Histochem Cytochem 21:483-7, May 73

DRUG EFFECTS

turation of the adrenal medulla. II. Content and roperties of catecholamine storage vesicles of the t. Slotkin TA. iochem Pharmacol 22:2033-44, 15 Aug 73

renocortical control of catecholamine metabolism in e dog adrenal medulla: relationship to protein nthesis. Pohorecky LA, et al. ndocrinology 93:566-74, Sep 73

tracellular calcium concentration and catecholamine elease from adrenal medulla by acetylcholine and otassium. Borowitz JL. Experientia 29:66-7, 1 May 73

ntrol of epinephrine synthesis and secretion. Fuller W. Fed Proc 32:1772-81, Jul 73 (232 ref.)

mulation by acetylcholine of sulfated ucopolysaccharide release from the perfused cat drenal gland. Margolis RK, et al. ol Pharmacol 9:590-4, Jul 73

ffect of ethambutol and rifampicin on adrenal edulla function. Experimental study] Tichomirova P. G Ital Chemioter 19:38-40, Jan-Jun 72 (Fre)

ENZYMOLOGY

turation of the adrenal medulla. II. Content and roperties of catecholamine storage vesicles of the t. Slotkin TA. iochem Pharmacol 22:2033-44, 15 Aug 73

renocortical control of catecholamine metabolism in e dog adrenal medulla: relationship to protein nthesis. Pohorecky LA, et al. ndocrinology 93:566-74, Sep 73

ntrol of epinephrine synthesis and secretion. Fuller W. Fed Proc 32:1772-81, Jul 73 (232 ref.)

netically controlled alterations in the rate of egradation of phenylethanolamine -methyltransferase. Ciaranello RD, et al. Biol Chem 248:5616-23, 25 Aug 73

e quantitative histochemistry of the mpathoadrenal system. II. Enzymes of the citric id, pentose phosphate and glycogenolytic pathways. elson JS. J Histochem Cytochem 21:483-7, May 73

GROWTH & DEVELOPMENT

Maturation of the adrenal medulla. I. Uptake and storage of amines in isolated storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2023-32, 15 Aug 73

Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2033-44, 15 Aug 73

INNERVATION

Control of epinephrine synthesis and secretion. Fuller RW. Fed Proc 32:1772-81, Jul 73 (232 ref.)

METABOLISM

Maturation of the adrenal medulla. I. Uptake and storage of amines in isolated storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2023-32, 15 Aug 73

Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2033-44, 15 Aug 73

Adrenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al.
Endocrinology 93:566-74, Sep 73

Extracellular calcium concentration and catecholamine release from adrenal medulla by acetylcholine and potassium. Borowitz JL. Experientia 29:66-7, 1 May 73

Control of epinephrine synthesis and secretion. Fuller RW. Fed Proc 32:1772-81, Jul 73 (232 ref.)

Stimulation by acetylcholine of sulfated mucopolysaccharide release from the perfused cat adrenal gland. Margolis RK, et al.
Mol Pharmacol 9:590-4, Jul 73

PATHOLOGY

Behçet's syndrome with haemoptysis and pulmonary lesions. Davies JD. J Pathol 109:351-6, Apr 73

Comparative pathogenesis of rabies and rabies-like viruses: infection of the central nervous system and centrifugal spread of virus to peripheral tissues. Murphy FA, et al. Lab Invest 29:1-16, Jul 73

PHYSIOLOGY

Neural control of counter-regulatory events during glucopenia in man. Brodows RG, et al.
J Clin Invest 52:1841-4, Aug 73

[Adrenal medullectomy and the water-electrolyte balance] Higuchi K.
Yonago Acta Med 16:176-87, Feb 73 (Ger)

SECRETION

Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2033-44, 15 Aug 73

Control of epinephrine synthesis and secretion. Fuller RW. Fed Proc 32:1772-81, Jul 73 (232 ref.)

CATECHOLAMINES

ADMINISTRATION & DOSAGE

Cocaine and catecholamine interaction. A review. Smith RB. Arch Otolaryngol 98:139-41, Aug 73 (16 ref.)

ANALYSIS

Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2033-44, 15 Aug 73

[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al.
Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effects of vinblastine on catecholamine-biosynthetic enzymes in heart, sympathetic ganglion and adrenal glands of rats. Hanbauer I, et al.
Br J Pharmacol 48:106-12, May 73
Adrenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al.
Endocrinology 93:566-74, Sep 73
Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73

BLOOD

Neural control of counter-regulatory events during glucopenia in man. Brodows RG, et al.
J Clin Invest 52:1841-4, Aug 73

METABOLISM

Catecholamines in the lymphatic organs in rats with postadjuvant polyarthritis and after treatment with DL-cysteine hydrochloride. Michalak E, et al.
Arch Immunol Ther Exp (Warsz) 21:491-9, 1973
Cocaine and catecholamine interaction. A review. Smith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)
Maturation of the adrenal medulla. I. Uptake and storage of amines in isolated storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2023-32, 15 Aug 73
Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat. Slotkin TA.
Biochem Pharmacol 22:2033-44, 15 Aug 73
The catecholamine content of the adrenal glands of frogs as an index of phylogenetic relationships. Robinson RL, et al.
Comp Gen Pharmacol 3:167-70, Jun 72
Extracellular calcium concentration and catecholamine release from adrenal medulla by acetylcholine and potassium. Borowitz JL. **Experientia** 29:66-7, 1 May 73
Cardiovascular profile of BR 750 (2,6-dichlorobenzylideneaminoguanidine acetate). Saini RK, et al. **Farmaco [Prat]** 28:359-87, Jul 73
Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al.
Jap J Pharmacol 23:349-54, Jun 73
Stimulation by acetylcholine of sulfated mucopolysaccharide release from the perfused cat adrenal gland. Margolis RK, et al.
Mol Pharmacol 9:590-4, Jul 73
[Plasma renin activity in patients with pheochromocytoma] Wocial B, et al.
Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) **(Pol)**
[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cocaine and catecholamine interaction. A review. Smith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)

PHYSIOLOGY

Neuroendocrine aspects of thermoregulation. Gale CC.
Annu Rev Physiol 35:391-430, 1973 (120 ref.)

SECRETION

On the importance of a central beta-adrenoceptor site in the antiarrhythmic activity of beta-blockers. Bhargava KP. **Indian Heart J** 24:Suppl 1:157-66, Jun 72

URINE

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al.
Arch Surg 107:252-5, Aug 73
Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73
[Pheochromocytoma. Clinical and diagnostic aspects in 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) **(Rum)**
[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) **(Rus)**

CHROMAFFIN SYSTEM

CYTOLOGY

The ionogenic nature of the secretory-granule membrane. Electrokinetic properties of isolated chromaffin granules. Matthews EK, et al.
Biochem J 130:825-32, Dec 72
Normal ultrastructure of the day old dog adrenal medulla. Carmichael SW, et al.
J Anat 115:113-8, May 73
The pH range of the diazosafranin reaction of rat and other mast cells. Lillie RD, et al.
J Histochem Cytochem 21:441-7, May 73

DRUG EFFECTS

The ionogenic nature of the secretory-granule membrane. Electrokinetic properties of isolated chromaffin granules. Matthews EK, et al.
Biochem J 130:825-32, Dec 72

DOPA

Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73

ANALYSIS

[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

BLOOD

[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The management of hypertension during pregnancy. Wilber JA. **J Reprod Med** 8:53-6, Feb 72

URINE

Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73

DOPAMINE

[Microfluorometric verification of lowered monoamine levels in the external region of the medial eminence in the bi-adrenalectomized rat] Duvernoy J, et al.
C R Acad Sci [D] (Paris) 276:3441-4, 25 Jun 73 **(Fre**

METABOLISM

Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al.
Jap J Pharmacol 23:349-54, Jun 73

EPINEPHRINE

Normal ultrastructure of the day old dog adrenal medulla. Carmichael SW, et al.
J Anat 115:113-8, May 73

ANALYSIS

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and

medullary thyroid carcinoma. Voelkel EF, et al. **J Clin Endocrinol Metab** 37:297-307, Aug 73
Adrenal gland level of medullary amines during the 1st week of life in guinea pigs] Gradiski D, et al. **C R Soc Biol (Paris)** 166:1670-4, 1972 **(Fre)**
Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al. **Probl Endokrinol (Mosk)** 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**
Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al. **Probl Endokrinol (Mosk)** 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

ocaine and catecholamine interaction. A review. Smith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)

BIOSYNTHESIS

drenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al. **Endocrinology** 93:566-74, Sep 73
ontrol of epinephrine synthesis and secretion. Fuller RW. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)

BLOOD

ndocrine & metabolic response to electric shock in abbits. II. Changes in cortisone & insulin treated abbits. Singh AK, et al. **ndian J Exp Biol** 10:412-4, Nov 72
ndocrine & metabolic response to electric shock in abbits. I. Normal sequences. Singh AK, et al. **ndian J Exp Biol** 10:409-11, Nov 72
unction of the sympathetic adrenal system in ssential hypertension] Lohmann FW, et al. **Dtsch Med Wochenschr** 98:1539-41, 11 Aug 73 **(Ger)**
ffect of hydrocortisone and aldosterone on the atecholamine level in some tissues of white rats] Kolpakov MG, et al. **Probl Endokrinol (Mosk)** 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**
ffect of the administration of tyrosine on tissue atecholamine level under muscular load] Matline ESh, et al. **Probl Endokrinol (Mosk)** 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

METABOLISM

techolamines in the lymphatic organs in rats with ostadjuvant polyarthritis and after treatment with L-cysteine hydrochloride. Michalak E, et al. **rch Immunol Ther Exp (Warsz)** 21:491-9, 1973
caine and catecholamine interaction. A review. mith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)
turation of the adrenal medulla. I. Uptake and torage of amines in isolated storage vesicles of the at. Slotkin TA. **Biochem Pharmacol** 22:2023-32, 15 Aug 73
tracellular calcium concentration and catecholamine elease from adrenal medulla by acetylcholine and otassium. Borowitz JL. **Experientia** 29:66-7, 1 May 73
enylethanolamine-N-methyl transferase activity in he ground squirrel (Citellus citellus). Petrović VM, t al. **Experientia** 29:876-7, 1973
le of catecholamines in the mediation of peripheral ffects of female sex hormones. Barthwal JP, et al. **ap J Pharmacol** 23:349-54, Jun 73
he concentration of adrenalin and noradrenalin in he adrenals in experimental mechanical jaundice] asil'chuk IuM. **Klin Khir** 12:40-3, Dec 72 **(Rus)**

PHARMACODYNAMICS

chemical and morphological alterations induced by ng-term administration of epinephrine, etanephrine and thyroxine in rats. Trzeciak HI. oxicol Appl Pharmacol 25:315-22, Jul 73

SECRETION

ntrol of epinephrine synthesis and secretion. Fuller W. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)
emodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et al. **Kardiologiia** 13:56-61, 1973 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Control of epinephrine synthesis and secretion. Fuller RW. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)

TOXICITY

Biochemical and morphological alterations induced by long-term administration of epinephrine, metanephrine and thyroxine in rats. Trzeciak HI. **Toxicol Appl Pharmacol** 25:315-22, Jul 73

URINE

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al. **Arch Surg** 107:252-5, Aug 73
Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H. **J Chromatogr** 82:127-36, 18 Jul 73
[Hemodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et al. **Kardiologiia** 13:56-61, 1973 (Eng. Abstr.) **(Rus)**

METHYLDOPA

PHARMACODYNAMICS

Cardiovascular profile of BR 750 (2,6-dichlorobenzylideneaminoguanidine acetate). Saini RK, et al. **Farmaco [Prat]** 28:359-87, Jul 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al. **N Engl J Med** 289:545-8, 13 Sep 73

METHYLDOPAHYDRAZINE

PHARMACODYNAMICS

Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al. **N Engl J Med** 289:545-8, 13 Sep 73

NOREPINEPHRINE

Purification and properties of rat adrenal phenylethanolamine-N-methyl transferase. Pohorecky LA, et al. **Arch Biochem Biophys** 156:703-11, Jun 73
Normal ultrastructure of the day old dog adrenal medulla. Carmichael SW, et al. **J Anat** 115:113-8, May 73

ANALYSIS

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al. **J Clin Endocrinol Metab** 37:297-307, Aug 73
[Adrenal gland level of medullary amines during the 1st week of life in guinea pigs] Gradiski D, et al. **C R Soc Biol (Paris)** 166:1670-4, 1972 **(Fre)**
[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al. **Probl Endokrinol (Mosk)** 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Cocaine and catecholamine interaction. A review. Smith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)

BIOSYNTHESIS

Adrenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Pohorecky LA, et al. **Endocrinology** 93:566-74, Sep 73

BLOOD

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al. **J Clin Endocrinol Metab** 37:297-307, Aug 73
[Function of the sympathetic adrenal system in

essential hypertension] Lohmann FW, et al.
Dtsch Med Wochenschr 98:1539-41, 11 Aug 73 **(Ger)**
[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al.
Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Effect of the administration of tyrosine on tissue catecholamine level under muscular load] Matline ESh, et al.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (Eng. Abstr.) **(Rus)**

METABOLISM

Catecholamines in the lymphatic organs in rats with postadjuvant polyarthritis and after treatment with DL-cysteine hydrochloride. Michalak E, et al.
Arch Immunol Ther Exp (Warsz) 21:491-9, 1973
Cocaine and catecholamine interaction. A review. Smith RB. **Arch Otolaryngol** 98:139-41, Aug 73 (16 ref.)
Effects of vinblastine on catecholamine-biosynthetic enzymes in heart, sympathetic ganglion and adrenal glands of rats. Hanbauer I, et al.
Br J Pharmacol 48:106-12, May 73
Effect of steroid and other hormones on lung removal of noradrenaline. Iwasawa Y, et al.
Eur J Pharmacol 22:367-70, Jun 73
Extracellular calcium concentration and catecholamine release from adrenal medulla by acetylcholine and potassium. Borowitz JL. **Experientia** 29:66-7, 1 May 73
Phenylethanolamine-N-methyl transferase activity in the ground squirrel (Citellus citellus). Petrović VM, et al. **Experientia** 29:876-7, 1973
Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al.
Jap J Pharmacol 23:349-54, Jun 73
Dopa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al.
N Engl J Med 289:545-8, 13 Sep 73
[The concentration of adrenalin and noradrenalin in the adrenals in experimental mechanical jaundice] Vasil'chuk IuM. **Klin Khir** 12:40-3, Dec 72 **(Rus)**

PHARMACODYNAMICS

Avoidance conditioning in different strains of rats: neurochemical correlates. Coyle JT Jr, et al.
Psychopharmacologia 31:25-34, 4 Jul 73
Alpha-adrenergic blocking agent in childhood pheochromocytoma. Gupta S, et al.
Surgery 74:545-50, Oct 73

PHYSIOLOGY

Non-shivering thermogenesis and its thermoregulatory significance. Janský L.
Biol Rev 48:85-132, Feb 73 (264 ref.)
[Hemodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et al.
Kardiologiia 13:56-61, 1973 (Eng. Abstr.) **(Rus)**

URINE

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al.
Arch Surg 107:252-5, Aug 73
Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73
Effects of adrenalectomy and of hypophysectomy on the development of sound-withdrawal hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:96-100, Feb 73
[Hemodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et al.
Kardiologiia 13:56-61, 1973 (Eng. Abstr.) **(Rus)**

NORMETANEPHRINE

URINE

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al.
Arch Surg 107:252-5, Aug 73

PHEOCHROMOCYTOMA

[Adrenal gland tumors] Grèze M.
Rev Infirm 23:317-21, Apr 73 **(Fre)**

BLOOD

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al.
J Clin Endocrinol Metab 37:297-307, Aug 73
Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Levin DL, et al.
Pediatrics 52:192-6, Aug 73
[Estimation of human serum dopamine-beta-hydroxylase activity] Kurobe Y, et al.
Folia Endocrinol Jap 49:769-74, 20 May 73 (Eng. Abstr.) **(Jap)**

CLASSIFICATION

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al.
Arch Surg 107:252-5, Aug 73

COMPLICATIONS

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al.
Arch Surg 107:252-5, Aug 73
Iatrogenic renal hypertension: two unusual complications of surgery for familial pheochromocytoma. Castle CH.
JAMA 225:1085-8, 27 Aug 73
Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Levin DL, et al.
Pediatrics 52:192-6, Aug 73
Phenotype of malignancy: the mucosal neuroma syndrome. Schimke RN. **Pediatrics** 52:283-4, Aug 73
Alpha-adrenergic blocking agent in childhood pheochromocytoma. Gupta S, et al.
Surgery 74:545-50, Oct 73
[Sarcoidosis and adrenal pheochromocytoma (apropos of a case)] Leophonte P, et al.
Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) **(Fre)**
[Case of pheochromocytoma of the adrenal medulla with Cushing's syndrome] Iwase S, et al.
Clin Endocrinol (Tokyo) 21:531-5, May 73 **(Jap)**
[Adrenal gland diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.) **(Jap)**
[Case of pheochromocytoma of the bladder] Wierciak Z, et al.
Pol Przegl Chir 45:921-4, Jun 73 (Eng. Abstr.) **(Pol)**
[Pheochromocytoma with permanent arterial hypertension and paroxysmal crises operated on and cured. (Apropos of a clinical case)] Damian A, et al.
Stud Cercet Endocrinol 24:327-30, 1973 **(Rum)**
[Pheochromocytoma. Clinical and diagnostic aspects in 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) **(Rum)**
[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP.
Kardiologiia 13:84-90, May 73 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73
The management of hypertension during pregnancy Wilber JA. **J Reprod Med** 8:53-6, Feb 72
Sonic differentiation of cysts and homogeneous solic masses. Birnholz JC. **Radiology** 108:699-702, Sep 7
Diagnostic considerations in secondary hypertension Fleischer N. **Tex Med** 69:64-70, Jul 73
[Sarcoidosis and adrenal pheochromocytoma (apropo of a case)] Leophonte P, et al.
Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) **(Fre**
[Pheochromocytoma. Clinical and diagnostic aspects i 13 cases] Papadopol S.
Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr. **(Rum**

DRUG THERAPY

[Beta-blocking agents in anesthesia and resuscitation Nicolas F.
Anesth Analg (Paris) 30:21-40, Jan-Feb 73 (89 ref **(Fre**

EMBRYOLOGY

ediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al. Arch Surg 107:252-5, Aug 73

ENZYMOLOGY

opa decarboxylase in medullary carcinoma of the thyroid. Atkins FL, et al. N Engl J Med 289:545-8, 13 Sep 73

Estimation of human serum dopamine-beta-hydroxylase activity] Kurobe Y, et al. Folia Endocrinol Jap 49:769-74, 20 May 73 (Eng. Abstr.) (Jap)

Plasma renin activity in patients with pheochromocytoma] Wocial B, et al. Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

ediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al. Arch Surg 107:252-5, Aug 73

amilial pheochromocytoma: case report and review of he literature. Funyu T, et al. J Urol 110:151-4, Aug 73

atrogenic renal hypertension: two unusual complications of surgery for familial pheochromocytoma. Castle CH. JAMA 225:1085-8, 27 Aug 73

enotype of malignancy: the mucosal neuroma syndrome. Schimke RN. Pediatrics 52:283-4, Aug 73

METABOLISM

lasma renin activity in patients with heochromocytoma] Wocial B, et al. Kardiol Pol 16:253-7, 1973 (Eng. Abstr.) (Pol)

lemodynamic disorders in patients with heochromocytoma] Zharov EI KERTSMAN GI, et al. Kardiologiia 13:56-61, 1973 (Eng. Abstr.) (Rus)

PATHOLOGY

ncentrations of calcitonin and catecholamines in heochromocytomas, a mucosal neuroma and edullary thyroid carcinoma. Voelkel EF, et al. Clin Endocrinol Metab 37:297-307, Aug 73

milial pheochromocytoma: case report and review of he literature. Funyu T, et al. J Urol 110:151-4, Aug 73

arcoidosis and adrenal pheochromocytoma (apropos f a case)] Leophonte P, et al. Poumon Coeur 28:333-7, 1972 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

stemic disease associated with tear deficiencies. aum JL. Int Ophthalmol Clin 13:157-84, Spring 73

emodynamic disorders in patients with heochromocytoma] Zharov EI KERTSMAN GI, et al. ardiologiia 13:56-61, 1973 (Eng. Abstr.) (Rus)

RADIOGRAPHY

milial pheochromocytoma: case report and review of he literature. Funyu T, et al. J Urol 110:151-4, Aug 73

SURGERY

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al. Arch Surg 107:252-5, Aug 73

Familial pheochromocytoma: case report and review of the literature. Funyu T, et al. J Urol 110:151-4, Aug 73

Iatrogenic renal hypertension: two unusual complications of surgery for familial pheochromocytoma. Castle CH. JAMA 225:1085-8, 27 Aug 73

Alpha-adrenergic blocking agent in childhood pheochromocytoma. Gupta S, et al. Surgery 74:545-50, Oct 73

[Problems raised by pheochromocytoma resuscitation] Dupeyron JP, et al. Anesth Analg (Paris) 30:209-12, Jan-Feb 73 (Fre)

[Droperidol and pheochromocytoma] Yusa T, et al. Jap J Anesthesiol 22:474-9, May 73 (Eng. Abstr.) (Jap)

[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP. Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (Rus)

[Hemodynamic disorders in patients with pheochromocytoma] Zharov EI KERTSMAN GI, et al. Kardiologiia 13:56-61, 1973 (Eng. Abstr.) (Rus)

[Anesthesia and resuscitation in pheochromocytoma] Octavio de Toledo C. Rev Esp Anestesiol Reanim 20:261-72, Jul 73 (Eng. Abstr.) (Spa)

THERAPY

[Pheochromocytoma. Clinical and diagnostic aspects in 13 cases] Papadopol S. Stud Cercet Med Interna 14:339-51, 1973 (Eng. Abstr.) (Rum)

URINE

Pediatric and adult pheochromocytomas. A biochemical and clinical comparison. Freier DT, et al. Arch Surg 107:252-5, Aug 73

VETERINARY

Spontaneous tumors and pathologic lesions in SWR-J mice. Rabstein LS, et al. J Natl Cancer Inst 50:751-8, Mar 73

VANILMANDELIC ACID

URINE

[Significance of hyperaldosteronism in the pathogenesis of arterial hypertension in pheochromocytoma] Gerasimenko PP. Kardiologiia 13:84-90, May 73 (Eng. Abstr.) (Rus)

I. Physical and Functional Aspects

GONADS

Amphibian organ culture. Monnickendam MA, et al. **Experientia** 29:1-17, 1 May 73 (110 ref.)

The effect of caloric restriction on testicular hypertrophy following hemicastration in the rat. Stewart SF, et al. **J Reprod Fertil** 34:159-63, Jul 73

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al. **Obstet Gynecol** 42:186-92, Aug 73

[Studies on long-term tolerance of glibornuride in the rat and in the dog] Schärer K, et al. **Arzneim Forsch** 22:Suppl 12A:2188, Dec 72 (Eng. Abstr.) (Ger)

ABNORMALITIES

[Developmental abnormalities of gonads] Jirásek JE. **Cesk Gynekol** 38:98-100, 1973 (Cze)

ANATOMY & HISTOLOGY

Toxicity of the zoanthid Palythoa tuberculosa. Kimura S, et al. **Toxicon** 10:611-7, Oct 72

[Hermaphroditism in allogenic chimerae in the urodele amphibian Pleurodeles waltii Michah] Houillon C, et al. **C R Acad Sci [D] (Paris)** 276:1617-20, 5 Mar 73 (Fre)

[Morphology and behavior of Paragyrodactylus superbus n.g.,n.sp., the causative agent of a fish pest in Argentina] Szidat L. **Angew Parasitol** 14:1-10, Feb 73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

[The sexual primordium (gonoblast), its origin and evolution] Semenova-Tian-Shanskaia, et al. **Arkh Anat Gistol Embriol** 63:29-48, Aug 72 (56 ref.) (Eng. Abstr.) (Rus)

CYTOLOGY

Immunofluorescent study of the replication of infectious pancreatic necrosis virus in trout and Atlantic salmon cell cultures. Piper D, et al. **Infect Immun** 8:249-54, Aug 73

Unusual mitochondrial cristae in the vinegar eelworm. Zuckerman BM, et al. **J Cell Biol** 58:476-80, Aug 73

Toxicity of the zoanthid Palythoa tuberculosa. Kimura S, et al. **Toxicon** 10:611-7, Oct 72

DRUG EFFECTS

Sex differences in body weight following gonadectomy and goldthioglucose injections in mice. Wright P, et al. **Physiol Behav** 11:155-9, Aug 73

[Gonadotropic effectiveness of gravohormone] Cheremisinov GA, et al. **Veterinariia** 4:88-91, Apr 72 (Rus)

EMBRYOLOGY

Steroid biosynthesis by gonads of 7- and 10-day-old chick embryos. Galli FE, et al. **Gen Comp Endocrinol** 21:77-83, Aug 73

A light- and electron-microscopic study of primordial germ cells in the early mouse embryo. Spiegelman M, et al. **J Embryol Exp Morphol** 30:97-118, Aug 73

[Morphogenesis of the sex cords and the significance of the medullary zone of the gonad in the chick embryo] Stahl A, et al. **Acta Anat (Basel)** 85:248-74, 1973 (Eng. Abstr.) (Fr

[The sexual primordium (gonoblast), its origin a evolution] Semenova-Tian-Shanskaia, et al. **Arkh Anat Gistol Embriol** 63:29-48, Aug 72 (56 re (Eng. Abstr.) (R

ENZYMOLOGY

17-Alpha-hydroxylase deficiency of the gonads a adrenals in a male pseudohermaphrodite. Hammerstein J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:76, 1973

GROWTH & DEVELOPMENT

Radioimmunoassay estimates of plasma gonadotro levels in the spawning pink salmon. Crim LW, et **Gen Comp Endocrinol** 21:69-76, Aug 73

Pineal-gonad relationships in the lamprey Lampe fluviatilis. Joss JM. **Gen Comp Endocrinol** 21:118-22, Aug 73

Plasma and pituitary luteinizing hormone in Japan quail during photoperiodically induced gonad growth and regression. Nicholls TJ, et al. **Gen Comp Endocrinol** 21:84-98, Aug 73

[Hermaphroditism in allogenic chimerae in the urod amphibian Pleurodeles waltii Michah] Houillon C al. **C R Acad Sci [D] (Paris)** 276:1617-20, 5 Mar 73 (F

[The effect of the removal of the optic tentacles on developing and regenerating gonad in Arion subfuscus Draparnaud (Gasteropode pulmone] Wattez C. **Gen Comp Endocrinol** 21:1-8, Aug 73 (Eng. Abs (F

INNERVATION

[Transplantations of undifferentiated gonads in simultaneous hermaphrodite, Eisenia foetida (Oligochaeta, Lumbricidae). Demonstration of l factors (inductors?) of sex differentiation] Relex JC. **J Embryol Exp Morphol** 30:143-61, Aug 73 (F Abstr.) (F

METABOLISM

Distribution and placental transfer of 14C-thiourea 14C-thiouracil in mice studied by whole-bod autoradiography. Slanina P, et al. **Acta Pharmacol Toxicol (Kbh)** 32:358-68, 19

Steroid biosynthesis by gonads of 7- and 10-day chick embryos. Galli FE, et al. **Gen Comp Endocrinol** 21:77-83, Aug 73

Uptake of 3H-testosterone and influence of antiandrogen in tissues of rainbow trout (Sa gairdneri). Schreck CB. **Gen Comp Endocrinol** 21:60-8, Aug 73

Prostaglandins and reproduction: a general sur Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 r

[The sexual primordium (gonoblast), its origin evolution] Semenova-Tian-Shanskaia, et al. **Arkh Anat Gistol Embriol** 63:29-48, Aug 72 (56 r (Eng. Abstr.) (R

PATHOLOGY

Pure gonadal dysgenesis with bilateral

GONADS

gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

PHYSIOLOGY

he functional significance of "episodic" LH secretion.
Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973
ycles of mating behaviour, oestrogen and
progesterone in the thick-tailed bushbaby (Galago
crassicaudatus crassicaudatus) under laboratory
conditions. Eaton GG, et al.
Anim Behav 21:309-15, May 73
t adrenal 5alpha-reductase activity and the effect of
estradiol, testosterone propionate and
drenocorticotrophin in intact and gonadectomized
ats. Maynard PV, et al. J Endocrinol 58:7-8, Jul 73
x differences in body weight following gonadectomy
nd goldthioglucose injections in mice. Wright P, et
l. Physiol Behav 11:155-9, Aug 73
ffect of chorionic gonadotropin on adrenal cortical
unction in intact and gonadectomized rats] Bekirov
I. et al.
robl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng.
bstr.) (Rus)

PHYSIOPATHOLOGY

e adrenals and gonads of congenitally thymusless
ude mice. Shire JG, et al. J Endocrinol 58:vii, Jul 73
eport of six cases of myotonic dystrophy, especially
n the endocrine functions] Nagai H, et al.
Jap Soc Intern Med 62:770-82, Jul 73 (Jap)
onadotropic function in patients with
ypogonadism] Vasiukova EA, et al.
er Arkh 44:108-11, Nov 72 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

se of protective shielding in children in the light of
osimetric measurements] Kubicz S, et al.
ol Przegl Radiol 37:411-20, May-Jun 73 (Eng. Abstr.)
(Pol)

TRANSPLANTATION

ransplantations of undifferentiated gonads in the
multaneous hermaphrodite, Eisenia foetida
Oligochaeta, Lumbricidae). Demonstration of local
ctors (inductors?) of sex differentiation] Relexans
C.
Embryol Exp Morphol 30:143-61, Aug 73 (Eng.
bstr.) (Fre)

Ovary

CORPUS LUTEUM

Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone. Schams D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:60, 1973

Effect of anti-semen antibodies on embryonic survival in rabbits. Guidry AJ, et al. **J Anim Sci** 37:118-22, Jul 73

A quantitative study of genetic differences in the incidence of oestrus, ovulation and plasma luteinizing hormone concentration in the sheep. Land RB, et al. **J Endocrinol** 58:305-17, Aug 73

Observation of ovulation in Macaca fascicularis. Rawson JM, et al. **J Reprod Fertil** 34:187-90, Jul 73

Failure of prostaglandin F2 to affect LH secretion in the ovariectomized ewe. Chamley WA, et al. **Prostaglandins** 3:405-12, Apr 73

Ultrastructural observations of gonadotrophin release in rats treated neonatally with testosterone. Shiino M, et al. **Tex Rep Biol Med** 31:215-28, Summer 73

[Luteogenesis in ovaro-deferential graft in castrated male rats] Anthonioz P. **C R Soc Biol (Paris)** 166:1804-7, 1972 **(Fre)**

[The syndrome of thecal insufficiency. Diagnosis; clinical manifestations; therapy] Jayle MF. **Cah Med** 14:171-3, Mar 73 **(Fre)**

[Abortus provocatus in cattle] Schjerven L. **Nord Vet Med** 24:537-43, Nov 72 (Eng. Abstr.) **(Nor)**

ANATOMY & HISTOLOGY

The effects of hysterectomy and decidual induction on luteal maintenance in rabbits. Hoffman LH, et al. **Endocrinology** 93:348-55, Aug 73

Circadian rhythm of progesterone secretion during pseudogestation in the rat. Bischof P, et al. **Experientia** 29:615-6, 15 May 73

Cycloheximide-induced ultrastructural changes in the corpus luteum of rats. Kovacs K, et al. **Experientia** 29:839-40, 1973

Effect of chlorpropamide on gravid swine and blood glucose and fructose in the fetal pig. Wachholz DE, et al. **J Anim Sci** 37:131-5, Jul 73

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

BLOOD SUPPLY

Redistribution of blood flow by prostaglandin F2alpha in the rabbit ovary. Novy MJ, et al. **Am J Obstet Gynecol** 117:381-5, 1 Oct 73

CYTOLOGY

Cytology of the corpus luteum. Enders AC. **Biol Reprod** 8:158-82, Mar 73 (75 ref.)

The effects of hysterectomy and decidual induction on luteal maintenance in rabbits. Hoffman LH, et al. **Endocrinology** 93:348-55, Aug 73

Morphological and functional evidence for corpus luteum activity during late pregnancy in the rhesus monkey. Koering MJ, et al. **Endocrinology** 93:686-93, Sep 73

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al. **Endocrinology** 93:954-9, Oct 73

On mitochondrial inclusions in granulosa lutein cells of pregnant cows. Sorensen VW, et al. **Experientia** 29:592-3, 15 May 73

DRUG EFFECTS

Induction and maintenance of pregnancy without rise in serum prolactin in rats. Doehler KD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:45, 1973

"Uterine" and "luteal" effects of prostaglandins (PG) in rats and guinea pigs as potential abortifacient mechanisms. Elger W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:46, 1973

Experiments with LH and prolactin antisera and a prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in the bovine. Hoffmann B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:39, 1973

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:90, 1973

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al. **Adv Cyclic Nucleotide Res** 1:493-502, 1972

The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:240-5, 15 Sep 73

Redistribution of blood flow by prostaglandin F2alpha in the rabbit ovary. Novy MJ, et al. **Am J Obstet Gynecol** 117:381-5, 1 Oct 73

Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats. Shellabarger CJ, et al. **Cancer Res** 33:1567-9, Jul 73

Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaired growth, luteotropic stimulation and advanced ovulation. Krey LC, et al. **Endocrinology** 93:377-84, Aug 73

Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al. **Endocrinology** 93:316-23, Aug 73

Cycloheximide-induced ultrastructural changes in the corpus luteum of rats. Kovacs K, et al. **Experientia** 29:839-40, 1973

Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al. **Fertil Steril** 24:578-83, Aug 73

The effects of acute treatment with oestrogen on luteal volume in hysterectomized guinea-pigs. Donovan BT, et al. **J Endocrinol** 58:351-2, Aug 73

Absence of the luteolytic effect of prolactin in the pregnant rat after hypophysectomy and hysterectomy on day 12. Lam P, et al. **J Endocrinol** 56:609-10, Mar 73

The effects of a synthetic preparation of gonadotrophin releasing factor on pituitary and ovarian function in anoestrous ewes. Crighton DB, et al. **J Physiol (Lond)** 231:98P-99P, Jun 73

Further studies of compounds exhibiting prolonged antioestrogenic and antifertility activity in the mouse. Emmens CW, et al. **J Reprod Fertil** 34:29-40, Jul 73

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Currie WB, et al. **Prostaglandins** 4:201-14, Aug 73

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72

Studies of prostaglandin F2 in the cow. Lamond DR, et al. **Prostaglandins** 4:269-84, Aug 73

Indomethacin lengthens the oestrous cycle of the guinea-pig when given orally with oestrogen or when implanted within the uterine lumen. Marley PB. **Prostaglandins** 4:251-61, Aug 73

asma progesterone and prostaglandin F2 levels uring the insertion of prostaglandin F2 vaginal ablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73
ostaglandins and in vitro ovarian progestin iosynthesis. Wilks JW, et al.
rostaglandins 3:427-37, Apr 73
hysiological significance of prostaglandins] harbonnel B, et al.
nn Med Interne (Paris) 124:341-6, Apr 73 **(Fre)**
ibunits of human chorionic gonadotropin] Tojo S, et
olia **Endocrinol Jap** 49:599-611, 20 Mar 73 (Eng. bstr.) **(Jap)**
ormonal method of inactivating the corpora lutea] etrushkin IuS. **Veterinariia** 7:103-4, Jul 72 **(Rus)**

ENZYMOLOGY

tivities of enzymes responsible for steroid iosynthesis and cholesterol ester metabolism in abbit ovarian interstitial tissue and corpora lutea. A omparison of enzyme activities with flow rates. Flint P, et al. **Biochem J** 132:301-11, Feb 73

GROWTH & DEVELOPMENT

udies on sustained contraceptive effects with ubcutaneous polydimethylsiloxane implants. 2. aintenance of ovarian function in patients with egestrol acetate implants. Benagiano G, et al. cta **Endocrinol (Kbh)** 73:347-59, Jun 73

METABOLISM

ology of the corpus luteum. Enders AC.
iol **Reprod** 8:158-82, Mar 73 (75 ref.)
ect of antiserum to ovine luteinizing hormone on erine cell division during early pregnancy in mice. unshi SR, et al. **J Endocrinol** 58:123-4, Jul 73

PHYSIOLOGY

riations in plasma aldosterone and plasma renin tivity throughout the menstrual cycle, with special ference to the pre-ovulatory period. Sundsfjord JA, al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 73
dioimmunosorbent assay of follicle-stimulating ormone and luteinizing hormone in serum and urine om men and women. Wide L, et al.
cta **Endocrinol [Suppl] (Kbh)** 174:3-58, 1973
e effect of vaginally administered prostaglandin 2alpha on corpus luteum function. Bolognese RJ, et **Am J Obstet Gynecol** 117:240-5, 15 Sep 73
e gonadotropin receptor of the human corpus teum. Cole FE, et al.
m **J Obstet Gynecol** 117:87-95, 1 Sep 73
e effects of hysterectomy and decidual induction on teal maintenance in rabbits. Hoffman LH, et al. ndocrinology 93:348-55, Aug 73
rphological and functional evidence for corpus teum activity during late pregnancy in the rhesus onkey. Koering MJ, et al.
ndocrinology 93:686-93, Sep 73
e influence of lactation on luteal function in the esus monkey. Weiss G, et al.
ndocrinology 93:954-9, Oct 73
al effect of pregnancy on the corpus luteum in the g: modifications of the utero-ovarian anatomical lationship. Longenecker DE, et al.
Anim Sci 37:111-3, Jul 73
e effects of acute treatment with oestrogen on luteal lume in hysterectomized guinea-pigs. Donovan BT, al. **J Endocrinol** 58:351-2, Aug 73
ipheral plasma progesterone concentrations in eep during the oestrous cycle. McNatty KP, et al. **Endocrinol** 58:219-25, Aug 73
ure, role and control of the gonadotrophins. Greep D. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)
e physiological role of prostaglandins in parturition. ggins GC.
Reprod Fertil [Suppl] 18:143-50, Jul 73 (25 ref.)
e role of prostaglandins in luteal regression. cCracken JA, et al.
Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 ref.)
staglandin F and progesterone concentrations in e utero-ovarian venous plasma of the ewe during the strous cycle and early pregnancy. Thorburn GD, et **J Reprod Fertil [Suppl]** 18:151-8, Jul 73
e prospects of PGs in postconceptional therapy. apo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73
Do prostaglandins stimulate LH release and thereby cause luteolysis? Labhsetwar AP.
Prostaglandins 3:729-32, May 73
Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72
The counter-current transfer of prostaglandin in the ewe. Lamond DR, et al.
Prostaglandins 3:691-702, May 73
Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

SECRETION

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al.
Endocrinology 93:954-9, Oct 73

GRAAFIAN FOLLICLE

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73
Polarized intercellular bridges in ovarian follicles of the cecropia moth. Woodruff RI, et al.
J Cell Biol 58:172-88, Jul 73
[Luteogenesis in ovaro-deferential graft in castrated male rats] Anthonioz P.
C R Soc Biol (Paris) 166:1804-7, 1972 **(Fre)**

ANATOMY & HISTOLOGY

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73

CYTOLOGY

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73

DRUG EFFECTS

Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats. Shellabarger CJ, et al.
Cancer Res 33:1567-9, Jul 73
Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaired growth, luteotropic stimulation and advanced ovulation. Krey LC, et al.
Endocrinology 93:377-84, Aug 73
Endogenous gonadotropin requirements for follicular growth and maintenance in immature rats pretreated with PMS. Sasamoto S, et al.
Endocrinology 93:292-6, Aug 73
Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al.
Fertil Steril 24:578-83, Aug 73
Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73
Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J.
J Endocrinol 58:xxxivxxxv, Aug 73
Effects of intrafollicular injection of hormones and drugs. Nalbandov AV, et al.
J Reprod Fertil [Suppl] 18:15-22, Jul 73
The genetics of early human development. Fowler RE, et al. **Prog Med Genet** 9:49-112, 1973 (236 ref.)
Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73
Physiological role of prostaglandins in the induction of ovulation. Tsafriri A, et al.
Prostaglandins 2:1-10, Jul 72
The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization. YoungLai EV.
Steroids Lipids Res 4:11-6, 1973
[Alteration of growth of ovarian follicles in female rats treated with LH in 4-day cycles] Buffler G.
C R Soc Biol (Paris) 166:1793-5, 1972 **(Fre)**
[Course and control of sexual development in female swine. 3. Induction of ovulation and the isolation of

ova in female swine of the German Land breed at the age of 15 weeks] Ostermann L, et al. **Dtsch Tieraerztl Wochenschr** 80:294-7, 1 Jun 73 (Eng. Abstr.) (Ger)

[Subunits of human chorionic gonadotropin] Tojo S, et al. **Folia Endocrinol Jap** 49:599-611, 20 Mar 73 (Eng. Abstr.) (Jap)

ENZYMOLOGY

Histoenzymologic evaluation of metabolic patterns in bovine follicular oocytes. Kenney RM. **Am J Vet Res** 34:893-6, Jul 73

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al. **Fertil Steril** 24:609-17, Aug 73

GROWTH & DEVELOPMENT

Physiological aspects of human ovulation, fertilization and cleavage. Edwards RG. **J Reprod Fertil** [Suppl] 18:87-101, Jul 73 (102 ref.)

The genetics of early human development. Fowler RE, et al. **Prog Med Genet** 9:49-112, 1973 (236 ref.)

METABOLISM

Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73

The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization. YoungLai EV. **Steroids Lipids Res** 4:11-6, 1973

PHYSIOLOGY

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Wide L, et al. **Acta Endocrinol** [Suppl] (Kbh) 174:3-58, 1973

RADIATION EFFECTS

The effect of tritiated thymidine on the developing oocytes of mice. Baker TG, et al. **J Reprod Fertil** 34:121-30, Jul 73

OVARY

Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Leyendecker G, et al. **Acta Endocrinol** [Suppl] (Kbh) 173:62, 1973

Ovarian pregnancy with an intrauterine contraceptive device in situ: a case report. Bozza AT, et al. **Am J Obstet Gynecol** 117:285-6, 15 Sep 73

Human luteinizing hormone and its subunits. Physical and chemical characterization. Bishop WH, et al. **Biochemistry** 12:3076-84, 31 Jul 73

New agents and combinations in the treatment of bronchogenic carcinoma. Bodey GP, et al. **Cancer Chemother Rep** [Suppl] 4:Suppl 4:227-9, Mar 73

Enhancement by human placental lactogen of mammary hyperplastic nodules in ovariectomized mice. Yanai R, et al. **Cancer Res** 33:1642-4, Jul 73

The sex chromatin in Tachycines asynamorus (Orthoptera) and its implications. Nagl W. **Cytologia (Tokyo)** 38:107-10, Mar 73

A method for freezing living ovaries of Drosophila melanogaster larvae and its application to the storage of mutant stocks. Brüschweiler W, et al. **Experientia** 29:134-5, 1 May 73

Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al. **Fertil Steril** 24:609-17, Aug 73

X-ray-induced delay in the Chinese hamster cell-cycle: dependence on phase irradiated under different culturing conditions, BUdR incorporation, and hypertonic treatment. Miller DR, et al. **Int J Radiat Biol** 23:591-602, Jun 73

X-irradiation of mitotic Chinese hamster cells. I. Damage expression and recovery in surviving daughter cells. Nagle WA, et al. **Int J Radiat Biol** 23:611-25, Jun 73

Neutron spectrum dependence of r.b.e and o.e.r. values. Railton R, et al. **Int J Radiat Biol** 23:509-18, May 73

Association of polyadenylic acid with messenger RNA of vesicular stomatitis virus. Soria M, et al. **J Mol Biol** 77:449-55, 5 Jul 73

A comparative study of in vitro 3H-17B estradiol binding in gingiva, skeletal muscle and uterus of ovariectomized rabbits. Rubright WC, et al. **J Periodont Res** 8:304-13, 1973

The effect of tritiated thymidine on the developing oocytes of mice. Baker TG, et al. **J Reprod Fertil** 34:121-30, Jul 73

Fucose-containing glycopeptides from the cell surface of Chinese hamster ovary cells grown in the presence or absence of cyclic AMP. Roberts RM, et al. **Nature** [New Biol] 244:86-9, 18 Jul 73

Similar growth of Chinese hamster cells in the presence of phenethyl alcohol or dibutyryl cyclic AMP. Wright JA, et al. **Nature** [New Biol] 244:84-6, 18 Jul 73

Primary ovarian pregnancy and the intrauterine device. Pugh WE, et al. **Obstet Gynecol** 42:218-22, Aug 73

Repair of potentially lethal lesions in x-irradiated, density-inhibited Chinese hamster cells: metabolic effects and hypoxia. Hahn GM, et al. **Radiat Res** 55:280-90, Aug 73

Mammalian cells in culture frequently release type C viruses. Lieber MM, et al. **Science** 182:56-9, 5 Oct 73

Comparative lethality of tissue extracts from the Malaysian puffer fishes, Lagocephalus lunaris lunaris L. l. Spadiceus and Arothron stellatus. Berry PY, et al **Toxicon** 11:249-54, Apr 73

[In-vitro testing of the drug cytostasan in malignant gynecologic tumors] Marzotko F, et al. **Dtsch Gesundheitsw** 28:87-8, 2 Jan 73 (Eng. Abstr.) (Ger

[Excretion of some hormones and morpho-chemica state of ovaries in women with myomas of the uterus Sieroń G. **Ginekol Pol** 43:507-11, Apr 72 (Pol

ABNORMALITIES

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al. **Am J Obstet Gynecol** 117:400-6, 1 Oct 73

Anencephaly: a review. Nakano KK. **Arkh Anat Gistol Embriol** 63:383-400, Aug 72 (102 ref.

Primary amenorrhoea. A study based on clinica examination, chromosomal analysis, endocrine assa and laparoscopy. Khoo SK, et al. **Med J Aust** 2:991-6, 28 Oct 72

[The Mayer-Rokitansky-Küster syndrome] Markarov OS. **Akush Ginekol (Mosk)** 48:26-9, Oct 72 (Eng. Abstr. (Rus

ANALYSIS

Physicochemical and biological properties of 131J-HCG. Braendle W, et al. **Acta Endocrinol** [Suppl] (Kbh) 173:52, 1973

Lipofuscin distribution and histological lesions in th vitamin E deficient cotton rat (Sigmodon hispidu hispidus). Swensen SR, et al. **Arch Histol Jap** 35:327-41, May 73

Estradiol receptors in benign and malignant disease o the breast. Leung BS, et al. **Clin Chim Acta** 46:69-76, 14 Jun 73

Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Van Orde DE, et al. **Prostaglandins** 4:215-33, Aug 73

ANATOMY & HISTOLOGY

Non-pregnant anatomy of the posterior abdominal wa as reflected in the course of the ovarian vessels an ureter. Roentgenographic, statistical and anatom investigation. Ohlson L. **Acta Radiol** [Diagn] (Stockh) 14:145-56, Jan

Radiographic measurement of ovarian size. Thom ML, et al. **Acta Radiol** [Diagn] (Stockh) 14:251-6, Mar

Redistribution of blood flow by prostaglandin F2alp in the rabbit ovary. Novy MJ, et al. **Am J Obstet Gynecol** 117:381-5, 1 Oct 73

Circadian rhythm of progesterone secretion durin pseudogestation in the rat. Bischof P, et al. **Experientia** 29:615-6, 15 May 73

Local effect of pregnancy on the corpus luteum in th pig: modifications of the utero-ovarian anatomic relationship. Longenecker DE, et al. **J Anim Sci** 37:111-3, Jul 73

olarized intercellular bridges in ovarian follicles of he cecropia moth. Woodruff RI, et al. **Cell Biol** 58:172-88, Jul 73

ffects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature nouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, t al. **J Endocrinol** 58:343-4, Aug 73

he distribution of smooth muscle in the cat ovary with note on its adrenergic innervation. Burden HW. **Morphol** 140:467-75, Aug 73

ssible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and fter the establishment of placental physiology in regnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

ndocrinological studies on parabiotic rats with URISYNCHRON (Metallibur) and URISYNCHRON-Z. 1. Findings in intact parabionts] Oettel M, et al. **Arch Exp Veterinaermed** 26:939-47, Dec 72 (Eng. Abstr.) **(Ger)**

ndocrinological studies on parabiontic rats with URISYNCHRON (Mallibur) and URISYNCHRON-Z. 2. Effect on total gonadotropic ctivity of the pituitary of the parabiont] Stölzner W, t al. **Arch Exp Veterinaermed** 26:949-55, Dec 72 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

onophoresis as a new method for perfusion of the vary in vivo. Wortmann W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:77, 1973

ymptomatic bilateral ovarian infarction and venous hrombosis. Gardstein HF Jr, et al. **Am J Obstet Gynecol** 116:1164-6, 15 Aug 73

distribution of blood flow by prostaglandin F2alpha the rabbit ovary. Novy MJ, et al. **Am J Obstet Gynecol** 117:381-5, 1 Oct 73

arian, adrenal, and peripheral testosterone levels in he polycystic ovary syndrome. Stahl NL, et al. **Am J Obstet Gynecol** 117:194-200, 15 Sep 73

lective arteriography in the cat. Smallwood JE, et al. **Am J Vet Res** 34:955-63, Jul 73

rphological and functional evidence for corpus uteum activity during late pregnancy in the rhesus onkey. Koering MJ, et al. **Endocrinology** 93:686-93, Sep 73

e influence of lactation on luteal function in the hesus monkey. Weiss G, et al. **Endocrinology** 93:954-9, Oct 73

totransplantation of the uterus and ovaries in dogs. arzilai A, et al. **Isr J Med Sci** 9:49-52, Jan 73

e production, origin and role of ehydroepiandrosterone and delta 5-androstenediol androgen prehormones in hirsute women. irschner MA, et al. **Clin Endocrinol Metab** 37:183-9, Aug 73

ncentrations of unconjugated estrone, estradiol, ndrostenedione and testosterone in ovarian and eripheral venous plasma in women: the effects of eroid contraceptives. Weisz J, et al. **Clin Endocrinol Metab** 37:254-60, Aug 73

staglandin F and progesterone concentrations in he utero-ovarian venous plasma of the ewe during the estrous cycle and early pregnancy. Thorburn GD, et **J Reprod Fertil [Suppl]** 18:151-8, Jul 73

e counter-current transfer of prostaglandin in the ewe. Lamond DR, et al. **Prostaglandins** 3:691-702, May 73

udies of prostaglandin F2 in the cow. Lamond DR, et **Prostaglandins** 4:269-84, Aug 73

eroids in the ovarian venous plasma and F rostaglandins in the peripheral plasma during seudopregnancy and days 1-9 of pregnancy in the olden hamster. Shaikh AA, et al. **Prostaglandins** 4:17-30, Jul 73

icroangiographic study of the arterial circulation of he uterus of female dogs] Cadete-Leite A. **Acta Anat (Basel)** 85:406-17, 1973 (Eng. Abstr.) **(Fre)**

ypologic-topometric studies of the site of emptying ovarian and testicular veins in man] Sośnik H. **Pol Przegl Radiol** 37:405-10, May-Jun 73 (Eng. Abstr.) **(Pol)**

nastomoses of the ovarian veins with branches of the ortal vein] Shamugiia LA. **Akush Ginekol (Mosk)** 48:32-5, Oct 72 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Comparative studies on the carbohydrate-containing membrane components of normal and adenosine 3':5'-cyclic monophosphate-treated Chinese hamster ovary cells. Baig MM, et al. **Biochem J** 134:329-39, May 73

The heterogeneous distribution of acid hydrolases within a homogeneous population of cultured mammalian cells. Milsom JP, et al. **Biochem J** 132:493-500, Mar 73

Studies on Fes, a mutation affecting cystocyte cytokinesis, in Drosophilia melanogaster. Johnson JH, et al. **Biol Bull** 143:525-47, Dec 72

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug 73

Interstitial cells in the human fetal ovary. Gondos B, et al. **Endocrinology** 93:736-9, Sep 73

Polarized intercellular bridges in ovarian follicles of the cecropia moth. Woodruff RI, et al. **J Cell Biol** 58:172-88, Jul 73

Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y. **J Embryol Exp Morphol** 29:105-16, Feb 73

The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. Craven RP, et al. **J Endocrinol** 58:319-26, Aug 73

The effects of acute treatment with oestrogen on luteal volume in hysterectomized guinea-pigs. Donovan BT, et al. **J Endocrinol** 58:351-2, Aug 73

The effect of pyridine nucleotides and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. Scoon V, et al. **J Endocrinol** 58:i, Jul 73

Autoradiographic studies on the reproductive system of Philophthalmus hegeneri Penner and Fried, 1963. Moseley C, et al. **J Parasitol** 59:650-4, Aug 73

The fine structure of the ovarian interstitial gland cells in the mink, Mustela vison. Moller OM. **J Reprod Fertil** 34:171-4, Jul 73

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

Physiological role of prostaglandins in the induction of ovulation. Tsafriri A, et al. **Prostaglandins** 2:1-10, Jul 72

Smooth muscle-like cells in ovaries of the hamster and gerbil. McReynolds HD, et al. **Z Zellforsch Mikrosk Anat** 140:1-8, 20 Jun 73

[Changes in various biochemical values in the blood and liver of Xenopus laevis females treated with estrogens] Broch E, et al. **Arch Biol (Liege)** 83:283-95, 1972 (Eng. Abstr.) **(Fre)**

[Individualization of a preleptotene stage of chromosomal condensation in the rabbit ovocyte] Devictor-Vuillet M, et al. **C R Acad Sci [D] (Paris)** 276:2453-6, 25 Apr 73 **(Fre)**

DRUG EFFECTS

In vitro sterol and steroid synthesis by ovaries of hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al. **Acta Endocrinol (Kbh)** 73:321-34, Jun 73

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:347-59, Jun 73

Inhibitory effects of melatonin on HCG-induced stimulation of uterine and ovarian growth in infantile mice. König A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:150, 1973

Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:170, 1973

Influence of steroid hormones on the response to LH-RH in the eye-ovary-transplant of the rabbit. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:82, 1973

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al. **Adv Cyclic Nucleotide Res** 1:493-502, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. **Adv Cyclic Nucleotide Res** 1:503-20, 1972

Daily serum follicle-stimulating hormone, luteinizing hormone, and plasma testosterone and androstenedione in hirsute women with polycystic

sclerotic ovaries: effects of diethylstilbestrol and norethindrone acetats. Daane TA, et al. .
Am J Obstet Gynecol 117:392-9, 1 Oct 73

Redistribution of blood flow by prostaglandin F2alpha in the rabbit ovary. Novy MJ, et al.
Am J Obstet Gynecol 117:381-5, 1 Oct 73

Comparative studies on the carbohydrate-containing membrane components of normal and adenosine 3':5'-cyclic monophosphate-treated Chinese hamster ovary cells. Baig MM, et al.
Biochem J 134:329-39, May 73

Control of ovarian cholesterol ester biosynthesis. Flint AP, et al. **Biochem J** 132:313-21, Feb 73

Phosphorylation of high-molecular-weight membrane protein species in Chinese-hamster ovary cells in culture: effect of 6-N,2'-O-dibutyryladenosine 3':5'-cyclic monophosphate plus testosterone. Rieber M, et al. **Biochem J** 132:641-4, Mar 73

Stimulation of ornithine decarboxylase activity by luteinizing hormone in immature and adult rat ovaries. Kaye AM, et al.
Biochemistry 12:3072-6, 31 Jul 73

Evidence for a peptidic factor in spermatozoa inhibiting the ovarian maturation. Lugaro G, et al.
Biochim Biophys Acta 304:719-24, 28 May 73

Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al.
Endocrinology 93:316-23, Aug 73

The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73

Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al.
Endocrinology 93:843-7, Oct 73

Oxygen and glucose uptake, and lactate production in polycystic rat ovary. Surwillo BO, et al.
Endocrinology 93:652-9, Sep 73

Decrease of litter size and fetal monoamines by 6-hydroxydopamine in mice. Castrén O, et al.
Experientia 29:576-8, 15 May 73

Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats. Scacchi P, et al.
Experientia 29:877-8, 1973

Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al.
Fertil Steril 24:578-83, Aug 73

Menstrual cycle characteristics and side of ovulation in the Rhesus monkey. Wallach EE, et al.
Fertil Steril 24:715-21, Sep 73

Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73

Polarized intercellular bridges in ovarian follicles of the cecropia moth. Woodruff RI, et al.
J Cell Biol 58:172-88, Jul 73

Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y.
J Embryol Exp Morphol 29:105-16, Feb 73

Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, et al. **J Endocrinol** 58:343-4, Aug 73

The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. Craven RP, et al.
J Endocrinol 58:319-26, Aug 73

The effect of pyridine nucleotides and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. Scoon V, et al. **J Endocrinol** 58:i, Jul 73

Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14, 17-ethano-4-pregnene-3,20-dione. Solo AJ, et al.
J Med Chem 16:270-3, Mar 73

The inhibitory effect of 5-methoxytryptophol on ovarian weight, follicular growth and egg production of adult white leghorn hens (Gallus domesticus L.). Balemans MG. **J Neural Transm** 34:159-69, 1973

The effects of a synthetic preparation of gonadotrophin releasing factor on pituitary and ovarian function in anoestrous ewes. Crighton DB, et al.
J Physiol (Lond) 231:98P-99P, Jun 73

Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. Hipkin LJ. **J Reprod Fertil** 34:175-7, Jul 73

Effects of medroxyprogesterone acetate employed as a long-term injectable contraceptive. Ringrose CA.
J Reprod Med 8:75-9, Feb 72

Vitellogenesis induced by juvenile hormone in the female sterile mutant apterous-four in Drosophila melanogaster. Postlethwait JH, et al.
Nature [New Biol] 244:284-5, 29 Aug 73

Pituitary follicle-stimulating hormone activity in rats treated with apomorphine, pimozide and drugs that modify catecholamine levels. Choudhury SA, et al.
Neuroendocrinology 12:272-83, 1973

Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative. Schreiber B, et al.
Physiol Bohemoslov 22:11-7, 1973

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A.
Prostaglandins 3:189-99, Feb 73

The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73

The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization. YoungLai EV.
Steroids Lipids Res 4:11-6, 1973

Ultrastructural observations of gonadotrophin release in rats treated neonatally with testosterone. Shiino M, et al. **Tex Rep Biol Med** 31:215-28, Summer 73

[Changes in various biochemical values in the blood and liver of Xenopus laevis females treated with estrogens] Broch E, et al.
Arch Biol (Liege) 83:283-95, 1972 (Eng. Abstr.) (Fre)

[Alteration of growth of ovarian follicles in female rats treated with LH in 4-day cycles] Buffler G.
C R Soc Biol (Paris) 166:1793-5, 1972 (Fre)

[Studies of the influence of the non-specific pharmacodynamic action of hydroxyzine on the sex function equilibration mechanism] Simionescu S, et al. **Rev Roum Physiol** 10:289-98, 1973 (Fre)

[Endocrinological studies on parabiotic rats with TURISYNCHRON (Metallibur) and TURISYNCHRON-Z. 1. Findings in intact parabionts] Oettel M, et al.
Arch Exp Veterinaermed 26:939-47, Dec 72 (Eng Abstr.) (Ger)

[Endocrinological studies on parabiontic rats with TURISYNCHRON (Mallibur) and TURISYNCHRON-Z. 2. Effect on total gonadotropic activity of the pituitary of the parabiont] Stölzner W et al.
Arch Exp Veterinaermed 26:949-55, Dec 72 (Eng Abstr.) (Ger)

[Course and control of sexual development in female pigs. I. Age threshold for ovarian reaction to gonadotropic stimulation] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:197-202, 1 May 73 (Eng. Abstr.) (Ger)

[Course and control of sexual development in female swine. 3. Induction of ovulation and the isolation of ova in female swine of the German Land breed at the age of 15 weeks] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:294-7, 1 Jun 73 (Eng Abstr.) (Ger)

[Subunits of human chorionic gonadotropin] Tojo S, et al.
Folia Endocrinol Jap 49:599-611, 20 Mar 73 (Eng Abstr.) (Jap)

[Josamycin propionate. 4. Toxicity] Hazato H, et al
Jap J Antibiot 26:136-47, Apr 73 (Eng. Abstr.) (Jap)

[Toxicity of 3',4'-dideoxykanamycin B. 3. Chronic toxicity in rats and dogs] Koeda T, et al.
Jap J Antibiot 26:247-61, Jun 73 (Eng. Abstr.) (Jap)

[Toxicity of 3',4'-dideoxykanamycin B. 1. Acute toxicit in mice and rats] Koeda T, et al.
Jap J Antibiot 26:221-7, Jun 73 (Eng. Abstr.) (Jap)

EMBRYOLOGY

The genetics of early human development. Fowler RE et al. **Prog Med Genet** 9:49-112, 1973 (236 ref.)

[Morphogenesis of the sex cords and the significance of the medullary zone of the gonad in the chick embryo] Stahl A, et al.
Acta Anat (Basel) 85:248-74, 1973 (Eng. Abstr.) (Fre)

[Obtaining, by the method of grafts of embryonic

nads, a female descended from a unisexual female, the triton Picurodeles waltlii Michah] Collenot A. perientia 29:885-7, 1973 (Eng. Abstr.) (Fre)
le and fate of sex cells during the intrauterine riod of development of the ovaries] Boczkowski K. nekol Pol 43:401-3, Apr 72 (Pol)

ENZYMOLOGY

template specificities of DNA polymerase in cell ee lysates of Xenopus laevis eggs, larvae and mature ovaries. Brandt BL, et al.
ochem Biophys Res Commun 53:1017-23, 6 Aug 73
vities of enzymes responsible for steroid synthesis and cholesterol ester metabolism in obit ovarian interstitial tissue and corpora lutea. A mparison of enzyme activities with flow rates. Flint , et al. Biochem J 132:301-11, Feb 73
trol of ovarian cholesterol ester biosynthesis. Flint , et al. Biochem J 132:313-21, Feb 73
heterogeneous distribution of acid hydrolases thin a homogeneous population of cultured mmalian cells. Milsom JP, et al.
ochem J 132:493-500, Mar 73
ulation of ornithine decarboxylase activity by einizing hormone in immature and adult rat aries. Kaye AM, et al.
ochemistry 12:3072-6, 31 Jul 73
oid biosynthesis in vitro by dysgenetic ovaries uced by neonatal thymectomy in mice. Nishizuka et al. Endocrinology 93:786-92, Oct 73
dotropin dependency of isolated ovine ovarian licles cultured in vitro. Miller WA, et al.
til Steril 24:609-17, Aug 73

GROWTH & DEVELOPMENT

bitory effects of melatonin on HCG-induced nulation of uterine and ovarian growth in infantile e. König A, et al.
a Endocrinol [Suppl] (Kbh) 173:150, 1973
ulation of ornithine decarboxylase activity by einizing hormone in immature and adult rat ries. Kaye AM, et al.
chemistry 12:3072-6, 31 Jul 73
ence for a peptidic factor in spermatozoa ibiting the ovarian maturation. Lugaro G, et al.
chim Biophys Acta 304:719-24, 28 May 73
cts of sexual hormones on gonadotrophin secretion prepuberal female rats. Scacchi P, et al.
perientia 29:877-8, 1973
effect of tritiated water on the development of the oocyte after maternal infusion during pregnancy. s RJ, et al. Int J Radiat Biol 23:603-9, Jun 73
nesis in Tenebrio molitor: histological and oradiographical observations on pupal and adult ries. Ullmann SL.
Embryol Exp Morphol 30:179-217, Aug 73
us allatum control of ovarian development in les aegypti. Gwadz RW, et al.
nsect Physiol 19:1441-8, Jul 73
erations of the interstitial latero-dorsal othalamic nucleus in female albino guinea pigs ing the prepubescent growth phase of the ovary] ry J. C R Soc Biol (Paris) 166:1720-3, 1972 (Fre)
eration of growth of ovarian follicles in female rats ated with LH in 4-day cycles] Buffler G. R Soc Biol (Paris) 166:1793-5, 1972 (Fre)
ogeny of the thymo-lymphatic tissue in domestic is. 1. Change of the organ weight] Nomura A. a Med (Fukuoka) 42:167-74, Nov 72 (Eng. Abstr.) (Jap)

IMMUNOLOGY

non antigenic component in ovarian carcinomas: onstration by double diffusion and unofluorescence techniques. Dorsett BH, et al.
unol Commun 2:173-84, 1973
oxicity of human lymphotoxin for tumor and mal human tissue cells in vitro. Weedon DD, et al.
e Clin Proc 48:556-9, Aug 73

INNERVATION

istribution of smooth muscle in the cat ovary with ote on its adrenergic innervation. Burden HW. lorphol 140:467-75, Aug 73
nergic innervation of the female genital tract of dog. Owman C, et al. J Reprod Med 8:63-6, Feb 72

METABOLISM

In vitro sterol and steroid synthesis by ovaries of hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73
Phonophoresis as a new method for perfusion of the ovary in vivo. Wortmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:77, 1973
Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al.
Adv Cyclic Nucleotide Res 1:493-502, 1972
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al.
Am J Obstet Gynecol 117:194-200, 15 Sep 73
Comparative studies on the carbohydrate-containing membrane components of normal and adenosine 3':5'-cyclic monophosphate-treated Chinese hamster ovary cells. Baig MM, et al.
Biochem J 134:329-39, May 73
Control of ovarian cholesterol ester biosynthesis. Flint AP, et al. Biochem J 132:313-21, Feb 73
Phosphorylation of high-molecular-weight membrane protein species in Chinese-hamster ovary cells in culture: effect of 6-N,2'-O-dibutyryladenosine 3':5'-cyclic monophosphate plus testosterone. Rieber M, et al. Biochem J 132:641-4, Mar 73
Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice. Nishizuka Y, et al. Endocrinology 93:786-92, Oct 73
Oxygen and glucose uptake, and lactate production in polycystic rat ovary. Surwilo BO, et al.
Endocrinology 93:652-9, Sep 73
Hypophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al.
Experientia 29:878-9, 1973
Steroid biosynthesis by gonads of 7- and 10-day-old chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73
The oocytes as major competitors for radioiodide in laying Japanese quail. Robinson GA.
Gen Comp Endocrinol 21:123-8, Aug 73
Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73
The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al.
J Clin Endocrinol Metab 37:183-9, Aug 73
Oogenesis in Tenebrio molitor: histological and autoradiographical observations on pupal and adult ovaries. Ullmann SL.
J Embryol Exp Morphol 30:179-217, Aug 73
Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, et al. J Endocrinol 58:343-4, Aug 73
Kinetic studies with 125I-labelled follicle-stimulating hormone. Butt WR, et al.
J Endocrinol 58:275-87, Aug 73
A new bioassay for luteinizing hormone. Rees LH, et al.
J Endocrinol 58:18, Jul 73
The effect of pyridine nucleotides and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. Scoon V, et al. J Endocrinol 58:i, Jul 73
Progestin production in vitro by rabbit granulosa cells as an assay for luteinizing hormone. Shirley A, et al.
J Endocrinol 58:345-6, Aug 73
Free fatty acids and ovarian steroidogenesis. Stevenson PM, et al. J Endocrinol 58:iv-v, Jul 73
Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. Hipkin LJ. J Reprod Fertil 34:175-7, Jul 73
Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the

golden hamster. Shaikh AA, et al.
Prostaglandins 4:17-30, Jul 73

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73

The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization. YoungLai EV.
Steroids Lipids Res 4:11-6, 1973

A simple competitive protein-binding method for determination of progesterone in the rat plasma. Marić Z, et al. **Steroids** 22:113-21, Jul 73

[Developmental changes in 125 I-HCG uptake by the female rat brain] Presl J, et al.
Cesk Gynekol 38:91-4, 1973 (Eng. Abstr.) **(Cze)**

[Ovarian synthesis of steroid hormones and its periodic changes] Shinada T.
Clin Endocrinol (Tokyo) 21:495-502, May 73 **(Jap)**

[In vitro perfusion of the human utero-tubo-ovarian unit. 1. Evaluation of experimental conditions and the studies of the early stage of preganacy and trophoblastic neoplasia] Tojo S, et al.
Folia Endocrinol Jap 49:1103-18, 20 Aug 73 (Eng. Abstr.) **(Jap)**

[Subunits of human chorionic gonadotropin] Tojo S, et al.
Folia Endocrinol Jap 49:599-611, 20 Mar 73 (Eng. Abstr.) **(Jap)**

PATHOLOGY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73

Non-pregnant anatomy of the posterior abdominal wall as reflected in the course of the ovarian vessels and ureter. Roentgenographic, statistical and anatomic investigation. Ohlson L.
Acta Radiol [Diagn] (Stockh) 14:145-56, Jan 73

Radiographic measurement of ovarian size. Thomas ML, et al.
Acta Radiol [Diagn] (Stockh) 14:251-6, Mar 73

Asymptomatic bilateral ovarian infarction and venous thrombosis. Gardstein HF Jr, et al.
Am J Obstet Gynecol 116:1164-6, 15 Aug 73

Solid teratomas of the ovary. Wisniewski M, et al.
Cancer 32:440-6, Aug 73

Late pathomorphological lesions in the ovaries of mice irradiated with gamma radiation (60 Co) on the first day of life. Chomiczewski K, et al.
Folia Biol (Krakow) 20:93-100, 1972

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug 73

An ultrastructural study of the nature and origin of the Brenner tumour of the ovary. Cummins PA, et al.
J Pathol 110:167-76, Jun 73

True hermaphroditism with XX-XY mosaicism: report of a case. Shanfield I, et al. **J Pediatr** 83:471-3, Sep 73

Primary ovarian pregnancy and the intrauterine device. Pugh WE, et al.
Obstet Gynecol 42:218-22, Aug 73

[Experiment on vaccination against Marek's disease (MD) with a Danish live attenuated MD-virus (CPRL II HP)] Settnes OP.
Nord Vet Med 24:592-5, Nov 72 (Eng. Abstr.) **(Dan)**

[Exploratory experimental studies on the existence of a cyclical hypothalmic sexual center in the pig] Döcke F, et al.
Arch Exp Veterinaermed 26:969-74, Dec 72 (Eng. Abstr.) **(Ger)**

[Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) **(Ita)**

[Embryonic death in the blue fox] Fougner JA.
Nord Vet Med 24:25-31, Jan 72 (Eng. Abstr.) **(Nor)**

[Prolonged gestation in the blue fox after treatment with choriongonadotropins] Moller OM.
Nord Vet Med 24:492-500, Oct 72 (Eng. Abstr.) **(Nor)**

[Excretion of some hormones and morpho-chemical state of ovaries in women with myomas of the uterus] Sieroń G. **Ginekol Pol** 43:507-11, Apr 72 **(Pol)**

PHYSIOLOGY

Maternal and fetal factors affecting the growth and function of the rat placenta. Petropoulos EA.
Acta Endocrinol [Suppl] (Kbh) 176:3-69, 1973

The antagonistic effect of parathyroid hormone (PTH and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973

Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al.
Am J Physiol 225:508-12, Aug 73

Gonadectomy-induced histological changes in the hypothalamic neurosecretory system of the musl shrew, Suncus murinus L. Kulshreshtha A, et a
Ann Endocrinol (Paris) 34:17-23, Jan-Feb 73

Hormonal effect on glycoproteins and glycosaminoglycans in rabbit uteri. Endo M, et a
Arch Biochem Biophys 156:397-403, Jun 73

Studies on the postnatal development of responses o hepatic histidase to endocrine control. Feigelson M
Biochim Biophys Acta 304:669-85, 28 May 73

The effect of ovarian steroids on the uptake o 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue i vitro. Endersby CA, et al.
Br J Pharmacol 47:647P-648P, Mar 73

Effects of electrical stimulation of the brain on seru and pituitary concentrations of gonadotropin in th estrogenized rat. Kawakami M, et al.
Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) **(Fr**

In vivo uptake of progesterone by the hypothalam and pituitary of the female ovariectomized rat and i relationship to cytoplasmic progesterone-bindin protein. Seiki K, et al. **Endocrinol Jap** 20:111-9, Apr

Gonadotropin levels in lactating rats: effect o ovariectomy. Ford JJ, et al.
Endocrinology 93:540-7, Sep 73

Time interval between injection of estradiol benzoa and LH release in the rat and effect of actinomycin or cycloheximide. Jackson GL.
Endocrinology 93:887-92, Oct 73

An analysis of the negative feedback control gonadotropin secretion utilizing chronic implantati of ovarian steroids in ovariectomized rhesus monkey Karsch FJ, et al. **Endocrinology** 93:478-86, Aug

Lordosis reflex intensity in rats in relation to t estrous cycle, ovariectomy, estrogen administrati and mating behavior. Komisaruk BR, et al.
Endocrinology 93:548-57, Sep 73

The estrogen-induced advance in the cyclic LH surge the rat: dependency on ovarian progesterone secretion. Krey LC, et al.
Endocrinology 93:385-90, Aug 73

LH release following steroid administration in ovariectomized rats. Legan SJ, et al.
Endocrinology 93:781-5, Oct 73

Estrogen receptor in a prolactin secreting pituita tumor (MtTW5). McGuire WL, et al.
Endocrinology 93:810-3, Oct 73

Role of estrogen and progesterone in facilitating release in 4-day cyclic rats. Mann DR, et a
Endocrinology 93:694-9, Sep 73

Steroid biosynthesis in vitro by dysgenetic ovari induced by neonatal thymectomy in mice. Nishizu Y, et al. **Endocrinology** 93:786-92, Oct 73

The gonadotropin-primed rat: a model for testi agents that influence steroid biosynthesis. Sherwo OD, et al. **Endocrinology** 93:723-8, Sep 73

Levels of serum LH in rhesus monkeys afte intrapituitary infusion of synthetic LH-RH or medi eminence extracts. Spies HG, et al.
Endocrinology 93:814-21, Oct 73

Menstrual cycle characteristics and side of ovulation the Rhesus monkey. Wallach EE, et al.
Fertil Steril 24:715-21, Sep 73

Biosynthesis of 11-deoxycorticosteroids by tele ovaries and discussion of their possible role in ooc maturation and ovulation. Colombo L, et al.
Gen Comp Endocrinol 21:168-78, Aug 73

Local effect of pregnancy on the corpus luteum in pig: modifications of the utero-ovarian anatomi relationship. Longenecker DE, et al.
J Anim Sci 37:111-3, Jul 73

Polarized intercellular bridges in ovarian follicles the cecropia moth. Woodruff RI, et al.
J Cell Biol 58:172-88, Jul 73

A peptide inhibitor of luteinizing hormone-releas hormone (LH-RH). Coy DH, et al.
J Clin Endocrinol Metab 37:331-3, Aug 73

Factors influencing the secretion of luteinizi hormone and ovulation in response to electrochem

imulation of the preoptic area in rats. Velasco ME, et
J Endocrinol 58:163-76, Aug 73
e distribution of smooth muscle in the cat ovary with
note on its adrenergic innervation. Burden HW.
Morphol 140:467-75, Aug 73
id accumulation of H3-serotonin in brains of rats
ceiving intraperitoneal H3-tryptophan: effects of
3-dihydroxytryptamine or female sex hormones.
yyppä MT, et al. J Neural Transm 34:111-24, 1973
itary and ovarian mechanisms in implantation.
ndon BM.
Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)
role of prostaglandins in luteal regression.
Cracken JA, et al.
Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 ref.)
e of catecholamines in the mediation of peripheral
fects of female sex hormones. Barthwal JP, et al.
p J Pharmacol 23:349-54, Jun 73
ral localization of estrogen-sensitive sites for
ibition of ovulation in the golden hamster
esocricetus auratus. Lisk RD, et al.
uroendocrinology 12:153-60, 1973
enal function in rats given PMS before puberty:
um corticosterone values. Ramaley JA, et al.
uroendocrinology 12:257-71, 1973
ure of prostaglandin F2 to affect LH secretion in
ovariectomized ewe. Chamley WA, et al.
staglandins 3:405-12, Apr 73
role of estradiol 17 in the activation of the uterus
ring premature labor and the effect of Naproxen,
inhibitor of prostaglandin synthesis. Csapo AI, et
Prostaglandins 3:839-46, Jun 73
riectomy induced placental hypertrophy. Csapo AI,
al. Prostaglandins 4:189-200, Aug 73
bition of abortion and fetal death produced by
dotoxin or prostaglandin F2alpha. Harper MJ, et al.
staglandins 2:295-309, Oct 72
ct of exogenous estradiol and progesterone on the
rine tissue levels of prostaglandin F2 (PGF2) in
riectomized mice. Saksena SK, et al.
staglandins 3:317-22, Mar 73
ovarian etiology of human breast cancer.
cMahon B, et al.
ent Results Cancer Res 39:185-92, 1972 (25 ref.)
ect of estradiol benzoate on the activity of various
ymes of the rat's aorta] Janda J, et al.
Lek Cesk 112:773-7, 1973 (Eng. Abstr.) (Cze)
nage in the development of ovarian cycle
ulatory mechanisms by human chorionic
adotropin] Presl J.
k Gynekol 38:109-10, 1973 (Cze)
gnancy diagnosis in mares. II. Comparison between
mmunological and a biological method] Henriksen
et al.
d Vet Med 24:17-20, Jan 72 (Eng. Abstr.) (Dan)
loratory experimental studies on the existence of
clical hypothalmic sexual center in the pig] Döcke
et al.
h Exp Veterinaermed 26:969-74, Dec 72 (Eng.
tr.) (Ger)
ocrinology of normal pregnancy] Lauritzen C.
Klin 68:897-905, Jul 73 (Ger)
ervations on mare reproduction in Norway]
tad O, et al.
d Vet Med 24:316-26, Jun 72 (Eng. Abstr.) (Nor)
ct of neroboill, testosterone phenylpropionate
estradiol on the level of total phospholipids and
ogen in the rat uterus] Liashenkova SK.
bl Endokrinol (Mosk) 19:82-6, May-Jun 73 (Eng.
tr.) (Rus)
iology of the ovary. I] Cortés-Gallegos V.
h Invest Med (Mex) 4:29-40, 1973 (Eng. Abstr.)
(Spa)
ian physiology. II. Methods for the diagnosis of
lation] Cortés-Gallegos V, et al.
h Invest Med (Mex) 4:29-40, 1973 (Eng. Abstr.)
(Spa)

PHYSIOPATHOLOGY

propriate secretion of LH in the Stein-Leventhal
drome. Gambrell RD Jr, et al.
et Gynecol 42:429-40, Sep 73
ecologic aspects of human fertility] Hall EV van.
Tijdschr Geneeskd 117:776-81, 19 May 73 (Dut)
etion of some hormones and morpho-chemical
e of ovaries in women with myomas of the uterus]
oń G. Ginekol Pol 43:507-11, Apr 72 (Pol)
ian function in women with habitual abortion]
ov-Maslakov MA, et al.
Akush Ginekol (Mosk) 48:27-30, Sep 72 (Eng. Abstr.)
(Rus)
[Physiology of the ovary. 3] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 4:51-68, 1973 (Eng. Abstr.)
(Spa)
[Mechanism of action of cuneiform resection of the ovaries in a patient with Stein-Leventhal syndrome: effect of gonadotropin secretion] Zárate A, et al.
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abstr.)
(Spa)

RADIATION EFFECTS

Late pathomorphological lesions in the ovaries of mice irradiated with gamma radiation (60 Co) on the first day of life. Chomiczewski K, et al.
Folia Biol (Krakow) 20:93-100, 1972
Confirmation of lesions having the potential for forming chromosomal aberrations. Dewey WC.
Int J Radiat Biol 22:95-7, Jul 72
Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y.
J Embryol Exp Morphol 29:105-16, Feb 73
Radiation dosimetry of 131I-19-iodocholesterol. Kirschner AS, et al. J Nucl Med 14:713-7, Sep 73
[Development of transplantated gonads in axolot limbs. Effect of irradiation and amputation of the host limb] Lazard L.
C R Acad Sci [D] (Paris) 276:1601-4, 5 Mar 73 (Fre)
[Radiation therapy of the Kasabach-Merritt syndrome] Riedl P, et al.
Fortschr Geb Roentgenstr Nuklearmed 119:119-22, Jul 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Non-pregnant anatomy of the posterior abdominal wall as reflected in the course of the ovarian vessels and ureter. Roentgenographic, statistical and anatomic investigation. Ohlson L.
Acta Radiol [Diagn] (Stockh) 14:145-56, Jan 73
Radiographic measurement of ovarian size. Thomas ML, et al.
Acta Radiol [Diagn] (Stockh) 14:251-6, Mar 73

SECRETION

Daily serum follicle-stimulating hormone, luteinizing hormone, and plasma testosterone and androstenedione in hirsute women with polycystic sclerotic ovaries: effects of diethylstilbestrol and norethindrone acetats. Daane TA, et al.
Am J Obstet Gynecol 117:392-9, 1 Oct 73
Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. Endocrinol Jap 20:103-10, Apr 73
The estrogen-induced advance in the cyclic LH surge in the rat: dependency on ovarian progesterone secretion. Krey LC, et al.
Endocrinology 93:385-90, Aug 73
Neonatal androgen effects on open-field activity and sexual behavior in the female rat: the modifying influence of ovarian secretions during development. Blizard D, et al. Physiol Behav 11:65-9, Jul 73
[The hormonal activity of the hypophysis and ovaries in patients with an inflammatory process of the internal sex organs] Lesakova AS, et al.
Akush Ginekol (Mosk) 48:13-7, Oct 72 (Eng. Abstr.)
(Rus)

SURGERY

The prevention of postoperative pelvic adhesions following conservative operative treatment for human infertility. A final 3-year follow-up report. Horne HW Jr, et al. Int J Fertil 18:109-15, 1973
Torsion of normal uterine adnexa. Bechamps GJ.
J Pediatr Surg 8:553, Aug 73
Sterilization of women. A review of new and potentially reversible techniques. Sciarra JJ.
Minn Med 56:469-73, Jun 73
Long-term results of breast cancer treatment during 1959-1966. Godál A, et al. Neoplasma 20:443-55, 1973
[Ovariotexis, a reversible method of surgical sterilization. Its value and indications in psychiatric patients] Bourgeois M, et al.
Ann Med Psychol (Paris) 1:515-25, Apr 73 (Eng. Abstr.) (Fre)

TRANSPLANTATION

Influence of steroid hormones on the response to LH-RH in the eye-ovary-transplant of the rabbit. Sandow J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:82, 1973

A new model for inducing malignant ovarian tumours in rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 73

A method for freezing living ovaries of Drosophila melanogaster larvae and its application to the storage of mutant stocks. Brüschweiler W, et al.
Experientia 29:134-5, 1 May 73

Autotransplantation of the uterus and ovaries in dogs. Barzilai A, et al. **Isr J Med Sci** 9:49-52, Jan 73

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

Ultrastructural observations of gonadotrophin release in rats treated neonatally with testosterone. Shiino M, et al. **Tex Rep Biol Med** 31:215-28, Summer 73

[Development of transplantated gonads in axolot limbs. Effect of irradiation and amputation of the host limb] Lazard L.
C R Acad Sci [D] (Paris) 276:1601-4, 5 Mar 73 **(Fre)**

[Luteogenesis in ovaro-deferential graft in castrated male rats] Anthonioz P.
C R Soc Biol (Paris) 166:1804-7, 1972 **(Fre)**

[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A.
Experientia 29:885-7, 1973 (Eng. Abstr.) **(Fre)**

[Implantation of ovaries in the uterus] Kříž J, et al.
Zentralbl Gynaekol 95:574-7, 27 Apr 73 **(Ger)**

[A technique of ovarian transplantation in mice] Tanioka Y, et al.
Exp Anim (Tokyo) 22:15-20, Jan 73 (Eng. Abstr.) **(Jap)**

UNIV. OF ILL. URBANA-CHAMPAIGN

Testis

LEYDIG CELLS

Comparative determination of urinary testosterone glucuronide either by gas phase chromatography or by competitive protein binding analysis. Littmann KP, et al. **Acta Endocrinol [Suppl] (Kbh) 173:111, 1973**

Morphologic testicular changes in rats after biopsy or puncture. Schwedes U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:149, 1973

Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73

Binding of human LH to particulate fraction of rat testis. disparity in LH:IRP equipotency ratios in immuno-and ligand assay. Schneider B, et al.
Metabolism 22:1225-33, Sep 73

Electron microscopic studies on fetal and early postnatal testicular interstitial cells of mice.
Wakayama Y. **Nagoya J Med Sci 35:33-41, Aug 72**

Ultrastructure of the pseudohermaphrodite rat testis.
Russell LD, et al.
Z Zellforsch Mikrosk Anat 140:473-9, 16 Jul 73

Plasma testosterone levels in men without mature Leydig cells] Stárka L, et al.
Cas Lek Cesk 112:166-72, Feb 73 (Eng. Abstr.) (Cze)

Morphological analysis of rat Leydig cells in hypoxic hypoxia] Turganbaev Zh.
Sov Zdravookhr Kirg 5:23-8, Sep-Oct 72 (Rus)

ANALYSIS

Histochemical changes in the testis and epididymis after vasectomy. Kothari LK, et al.
Int J Fertil 18:119-25, 1973

CYTOLOGY

Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73

Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Nicholls TJ, et al.
Gen Comp Endocrinol 21:84-98, Aug 73

DRUG EFFECTS

The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in the male. Kley HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:92, 1973

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973

Influence of pregnenolone-16-alpha-carbonitrile on spermatogenesis and on the spermatogenic activity of pregnenolone. Taché Y, et al.
J Endocrinol 58:233-8, Aug 73

A study of the effects of a new anti-androgen on the hyperplastic dog prostate. Brooks JR, et al.
Proc Soc Exp Biol Med 143:647-55, Jul 73

The role of cytoplasmic microfilaments in the displacement and transformation of Leydig cells in histiotypic culture] Chevalier M.
C R Acad Sci [D] (Paris) 276:3327-30, 18 Jun 73 (Fre)

Morphogenetic effect of chorionic and serum gonadotropins (HCG and PMSG) on the Leydig cells of the pig testicle in organotypic culture] Morat M.
C R Acad Sci [D] (Paris) 276:3335-8, 18 Jun 73 (Fre)

ENZYMOLOGY

Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73

Delta5-3beta-hydroxysteroid dehydrogenase & glucose-6-phosphate dehydrogenase in testis of toad, Bufo melanostictus (Schneider). Saidapur SK, et al.
Indian J Exp Biol 10:425-7, Nov 72

INNERVATION

Fine structural evidence for the presence of nerve terminals in the testis of the teleost, Oryzias latipes.
Gresik EW. **Gen Comp Endocrinol 21:210-3, Aug 73**

METABOLISM

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973

Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73

PHYSIOLOGY

[The role of cytoplasmic microfilaments in the displacement and transformation of Leydig cells in histiotypic culture] Chevalier M.
C R Acad Sci [D] (Paris) 276:3327-30, 18 Jun 73 (Fre)

RADIATION EFFECTS

Late pathomorphological changes in the testes of mice irradiated with gamma radiation (60 Co) on the first day of life. Chomiczewski K.
Folia Biol (Krakow) 20:101-10, 1972

Histological changes in testes of the garden lizard, Calotes versicolor (Daudin), following x-irradiation.
Ghosh A, et al. **Indian J Exp Biol 10:459-61, Nov 72**

SERTOLI CELLS

Morphologic testicular changes in rats after biopsy or puncture. Schwedes U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:149, 1973

Effect of drug treatment for lymphoma on male reproductive capacity. Studies of men in remission after therapy. Sherins RJ, et al.
Ann Intern Med 79:216-20, Aug 73

Testicular biopsy in evaluation of male infertility.
Meinhard E, et al. **Br Med J 3:577-81, 15 Sep 73**

Comparative histometric investigations of the testicular function of European hamsters (Cricetus cricetus) with and without hibernation.
Reznik-Schüller H, et al.
Fertil Steril 24:698-705, Sep 73

Ultrastructure of the pseudohermaphrodite rat testis.
Russell LD, et al.
Z Zellforsch Mikrosk Anat 140:473-9, 16 Jul 73

[Morphological and biochemical characteristics of spermatogenesis] Vanha-Perttula T.
Duodecim 89:615-32, 1973 (67 ref.) (Eng. Abstr.) (Fin)

METABOLISM

In vitro synthesis of müllerian-inhibiting hormone by seminiferous tubules isolated from the calf fetal testis. Josso N. **Endocrinology 93:829-34, Oct 73**

PHYSIOLOGY

In vitro synthesis of müllerian-inhibiting hormone by seminiferous tubules isolated from the calf fetal testis. Josso N. **Endocrinology 93:829-34, Oct 73**

RADIATION EFFECTS

Histological changes in testes of the garden lizard, Calotes versicolor (Daudin), following x-irradiation.
Ghosh A, et al. **Indian J Exp Biol 10:459-61, Nov 72**

TESTIS

Species differences in luteinizing hormone as infered from slope variations in a radioligand receptor assay.
Leidenberger F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:61, 1973

Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone. Schams D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:60, 1973

The proliferative response after partial hepatectomy in hypophysectomized rats bearing portacaval anastomoses. Weinbren K, et al. **Br J Exp Pathol** 54:429-36, Aug 73

The sex chromatin in Tachycines asynamorus (Orthoptera) and its implications. Nagl W. **Cytologia (Tokyo)** 38:107-10, Mar 73

Specific binding of phosphorylated non-histone chromatin proteins to deoxyribonucleic acid. Kleinsmith LJ. **J Biol Chem** 248:5648-53, 25 Aug 73

Lipid metabolism of spermatozoa. Scott TW. **J Reprod Fertil [Suppl]** 18:65-76, Jul 73 (25 ref.)

The pathogenesis of hydro-testis after ligation of the vas deferens: a study in several species. Horan AH. **J Urol** 110:317-21, Sep 73

[A new type of bovine adenoviruses. Short communication] Kretzchmar C. **Arch Exp Veterinaermed** 27:197-201, 1973 (Eng. Abstr.) **(Ger)**

[The relationship between inoculation with human leprous bacilli in mice, and body temperature] Sushida K. **Lepro (Tokyo)** 41:167-71, Oct-Dec 72 (Eng. Abstr.) **(Jap)**

[Some characteristics of the glycemic curves in rabbits during the process of Brown-Pearce tumor development] Blinov VA, et al. **Patol Fiziol Eksp Ter** 16:51-4, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:167, 1973

Multiple congenital defects associated with 45,XO-46,XYg- mosaicism. Surana RB, et al. **Am J Dis Child** 126:75-7, Jul 73

Anencephaly: a review. Nakano KK. **Arkh Anat Gistol Embriol** 63:383-400, Aug 72 (102 ref.)

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973

Dysplasia of the anterior abdominal musculature with multiple congenital anomalies. Prune belly or triad syndrome. Adebonojo FO. **J Natl Med Assoc** 65:327-33, Jul 73

Structural abnormalities in the undescended testis. Dickinson SJ. **J Pediatr Surg** 8:523-7, Aug 73

Cystic dysplasia of the testis: a unique congenital anomaly studied by microdissection. Leissring JC, et al. **J Urol** 110:382-3, Sep 73

[Triorchism] Podhradský J. **Rozhl Chir** 52:396-9, Jun 73 (Eng. Abstr.) **(Cze)**

[The normal and disturbed prepuberal development of the human testis] Städtler F. **Veroeff Morphol Pathol** 92:1-127, 1973 (Eng. Abstr.) **(Ger)**

[Current status in the therapy of cryptorchism] Pasini M, et al. **Lijec Vjesn** 95:297-302, Jun 73 (Eng. Abstr.) **(Cro)**

ANALYSIS

An electrophoretic analysis of the histones of the house cricket. McMaster-Kaye R, et al. **Arch Biochem Biophys** 156:426-36, Jun 73

Lipofuscin distribution and histological lesions in the vitamin E deficient cotton rat (Sigmodon hispidus hispidus). Swensen SR, et al. **Arch Histol Jap** 35:327-41, May 73

An enzymatic-isotopic microassay for putrescine. Harik SI, et al. **Biochim Biophys Acta** 304:753-64, 28 May 73

Histochemical changes in the testis and epididymis after vasectomy. Kothari LK, et al. **Int J Fertil** 18:119-25, 1973

Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73

Identification of some polyenoic acids isolated from human testicular tissue. Grogan WM Jr, et al. **Lipids** 8:480-2, Aug 73

ANATOMY & HISTOLOGY

Muscle metabolism and enzyme activities after training in boys 11-13 years old. Eriksson BO, et al. **Acta Physiol Scand** 87:485-97, Apr 73

Testicular feminization in the mouse: studies of Le cell structure and function. Blackburn WR, e **Biol Reprod** 9:9-23, Aug 73

Testes of roosters treated with a single dos estradiol dipropionate. Pantić VR, et al. **Gen Comp Endocrinol** 21:108-17, Aug 73

The cremasteric muscle. Role in varicocelogenesis in thermoregulatory function of the testicle. Shaf **Invest Urol** 11:92-7, Sep 73

The dartos muscle. A study of its surgical anatomy role in varicocelogenesis: a new concept of thermoregulatory function. Shafik A. **Invest Urol** 11:98-100, Sep 73

Population density and social, territorial, an physiological measures in the gerbil (Meri unguiculatus). Hull EM, et al. **J Comp Physiol Psychol** 84:414-22, Aug 73

Metabolism of 3-beta-hydroxy-5-ene steroids by t of rats acclimatized to a hot environment. Bedrak al. **J Endocrinol** 58:207-17, Aug 73

Early effects of stilboestrol on growth hormone prolactin secretion and on pituitary mitotic activi the male rat. Lloyd HM, et al. **J Endocrinol** 58:227-31, Aug 73

The effects of hypophysectomy and the parado effect of human chorionic gonadotrophin on viability of hamster spermatozoa. Lubicz-Naw CM, et al. **J Endocrinol** 58:177-84, Aug 73

Influence of pregnenolone-16-alpha-carbonitril spermatogenesis and on the spermatogenic activi pregnenolone. Taché Y, et al. **J Endocrinol** 58:233-8, Aug 73

Comparative organ weights for 8 standardized rodent species. Dieterich RA, et al. **Lab Anim Sci** 23:575-81, Aug 73

Testosterone concentrating mechanism in th reproductive organs of the male rat. Free MJ, **Nature [New Biol]** 244:24-6, 4 Jul 73

Olfactory bulb removal: influences on the m behavior of male mice. Rowe FA, et al. **Physiol Behav** 8:37-41, Jan 72

Testicular morphology in rats vasectomized as a Plaut SM. **Science** 181:554-5, 10 Aug 73

Toxicity of the zoanthid Palythoa tuberculosa. Ki S, et al. **Toxicon** 10:611-7, Oct 72

[Activity of several acid hydrolases and ascorbic level in rat testis during vitamin A defici Goubern M, et al. **Ann Nutr Aliment** 26:263-89, 1972 (Eng. Abstr.)

[Transplantations of undifferentiated gonads i simultaneous hermaphrodite, Eisenia foetid (Oligochaeta, Lumbricidae). Demonstration of factors (inductors?) of sex differentiation] Rei JC. **J Embryol Exp Morphol** 30:143-61, Aug 73 Abstr.)

[Effect of chlormadinone acetate on testicular fun in the boar] Claussen C, et al. **Arch Exp Veterinaermed** 26:981-8, Dec 72 Abstr.)

[The normal and disturbed prepuberal developme the human testis] Städtler F. **Veroeff Morphol Pathol** 92:1-127, 1973 (Eng. A

BLOOD SUPPLY

Secretion rate of testicular steroids in the cons and halothane-anesthetized rat. Free MJ, **Endocrinology** 93:874-9, Oct 73

Structural abnormalities in the undescended t Dickinson SJ. **J Pediatr Surg** 8:523-7, Aug

Effect of local heating of the scrotum, teste epididymides of rats on cardiac output and re blood flow. Waites GM, et al. **J Reprod Fertil** 34:41-9, Jul 73

Male infertility: an optimistic report. Stewart BH **J Urol** 110:216-8, Aug 73

Testosterone concentrating mechanism in th reproductive organs of the male rat. Free MJ, **Nature [New Biol]** 244:24-6, 4 Jul 73

[Circulatory changes in experimental hyperthyro in rats. II. Blood flow through endocrine gl Kapitola J, et al. **Sb Lek** 75:231-6, Aug 73 (Eng. Abstr.)

[Typologic-topometric studies of the site of emi of ovarian and testicular veins in man] Sośr **Pol Przegl Radiol** 37:405-10, May-Jun 73 (Eng. A

LIBRARY U. OF I., URBANA-CHAMPAIGN

CYTOLOGY

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh)** 73:398-406, Jun 73

Interconvertibility of mouse DNA polymerase activities derived from the nucleus and cytoplasm. Hecht NB. **Biochim Biophys Acta** 312:471-83, 13 Jul 73

Initial chromosomal lesions induced by x-irradiating primary spermatocytes of mice. McGaughey RW, et al. **Can J Genet Cytol** 15:341-8, Jun 73

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug 73

Temperature effects on the kinetics of spermatogenesis in the mouse. Meistrich ML, et al. **Cell Tissue Kinet** 6:379-93, Jul 73

Evolution of the X1X2Y sex chromosome mechanism in the scincid lizard Scincella laterale (Say). Wright JW. **Chromosoma** 43:101-8, 23 Jul 73

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973

Chromosomes of two Australian lizards of the families Scincidae and Gekkonidae. King M. **Cytologia (Tokyo)** 38:205-10, Jun 73

Chromosomal studies of the Indian coleopterans (Indian beetles). Saha AK. **Cytologia (Tokyo)** 38:363-73, Jun 73

Distribution of cytoplasmic and mitochondrial glutamic-oxaloacetic transaminase (GOT) in various kinds of human testicular cells. Vrba M, et al. **Folia Biol (Praha)** 19:237-40, 1973

The use of polyvinyl pyrrolidone (PVP) in the histochemical demonstration of phosphorylase in the normal human testis. Re M, et al. **Folia Endocrinol (Roma)** 26:175-9, Jun 73

The local control of mammalian spermatogenesis. Schleiermacher E, et al. **Humangenetik** 19:75-98, 1973

Histochemical changes in the testis and epididymis after vasectomy. Kothari LK, et al. **Int J Fertil** 18:119-25, 1973

Autoradiographic studies on the reproductive system of Philophthalmus hegeneri Penner and Fried, 1963. Moseley C, et al. **J Parasitol** 59:650-4, Aug 73

Electron microscopic studies on fetal and early postnatal testicular interstitial cells of mice. Wakayama Y. **Nagoya J Med Sci** 35:33-41, Aug 72

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

Quinacrine fluorescence microscopy of formalin-fixed tissues. Khudr G, et al. **Stain Technol** 48:193-5, Jul 73

Behavior of nucleoligenic chromosomes in Asellus (Proasellus) meridianus Racovitza and Asellus aquaticus Linné] Rapenne F. **C R Acad Sci [D] (Paris)** 276:3331-4, 18 Jun 73 **(Fre)**

Lymphocyte rosettes around testicular interstitial cells in mice] Rivenzon A. **C R Soc Biol (Paris)** 166:1417-20, 1972 **(Fre)**

The normal and disturbed prepuberal development of the human testis] Städtler F. **Veroeff Morphol Pathol** 92:1-127, 1973 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:167, 1973

Long-term effect of cyproterone on testosterone levels in male rats. Hasan SH, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:119, 1973

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:116, 1973

Concentrations of asparagine in tissues of prepubertal rats after enzymic or dietary depletion of asparagine. Frankel DL, et al. **Biochem J** 132:645-8, Mar 73

Free amino acids of testes. Concentrations of free amino acids in the testes of several species and the precursors of glutamate and glutamine in rat testes in vivo. Mushahwar IK, et al. **Biochem J** 132:353-9, Mar 73

Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al. **Biol Reprod** 9:1-8, Aug 73

Human chorionic gonadotrophin ('Pregnyl') in the treatment of nocturnal enuresis. Jonge GA de. **Dev Med Child Neurol** 15:497-9, Aug 73

Studies on protein and nucleic acid contents of toad testes following administration of sodium malonate. Chatterjee S, et al. **Endocrinol Jap** 20:207-9, Apr 73

Response of the rabbit seminiferous epithelium to testosterone administered via polydimethylsiloxane capsules. Desjardins C, et al. **Endocrinology** 93:450-60, Aug 73

Serum gonadotropin and testosterone levels during loss and recovery of spermatogenesis in rats. Gomes WR, et al. **Endocrinology** 93:800-9, Oct 73

Inhibition of testosterone biosynthesis by medrogestone. Givner ML, et al. **Experientia** 28:1105-6, 15 Sep 72

Effect of luteinizing hormone on 3',5'-cyclic AMP and testosterone production in isolated interstitial tissue of rat testis. Rommerts FF, et al. **FEBS Lett** 33:114-8, 15 Jun 73

Effects of estriol treatment of male rats and mice on the fertility of mated females. Wu JT, et al. **Fertil Steril** 24:687-91, Sep 73

The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al. **Gen Comp Endocrinol** 21:202-9, Aug 73

Testes of roosters treated with a single dose of estradiol dipropionate. Pantić VR, et al. **Gen Comp Endocrinol** 21:108-17, Aug 73

Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB. **Gen Comp Endocrinol** 21:60-8, Aug 73

Influence of pregnenolone-16-alpha-carbonitrile on spermatogenesis and on the spermatogenic activity of pregnenolone. Taché Y, et al. **J Endocrinol** 58:233-8, Aug 73

Potential antifertility agents. 4. Biological properties of diastereoisomeric 4-aryl-2-methylcyclohexanecarboxylic acids and related compounds. Crenshaw RR, et al. **J Med Chem** 16:813-23, Jul 73

Some biological properties of bull seminal vesicle aspermatogenic substance and its effect on mice. Matoušek J, et al. **J Reprod Fertil** 34:9-22, Jul 73

A re-examination of the antigonadal effect of prolactin in the male fowl, Gallus domesticus. Shani J, et al. **J Reprod Fertil** 34:167-70, Jul 73

Hormones and contraception in the male and the relative merits of hormonal control and vasectomy. Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 73

Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative. Schreiber B, et al. **Physiol Bohemoslov** 22:11-7, 1973

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

Contractions of rabbit testes in vitro: permissive role of prostaglandins for the actions of calcium and some smooth-muscle stimulating agents. Hargrove JL, et al. **Prostaglandins** 3:469-80, Apr 73

Prostaglandins E2 and F2 decrease plasma testosterone levels in male rats. Saksena SK, et al. **Prostaglandins** 4:235-42, Aug 73

Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacological compounds. Seeley RR, et al. **Prostaglandins** 2:33-40, Jul 72

Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Mieno M, et al. **Tohoku J Exp Med** 110:113-7, Jun 73

The oral and dermal toxicity of hexachlorophene in rats. Gaines TB, et al. **Toxicol Appl Pharmacol** 25:332-43, Jul 73

[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A. **Experientia** 29:885-7, 1973 (Eng. Abstr.) **(Fre)**

[Effect of chlormadinone acetate on testicular function in the boar] Claussen C, et al. **Arch Exp Veterinaermed** 26:981-8, Dec 72 (Eng. Abstr.) **(Ger)**

[Morphological changes of the epididymis and testis in neonatally estrogenized mice] Kachi T, et al. **Acta Anat Nippon** 48:202-11, Jun 73 (Eng. Abstr.) **(Jap)**

[Josamycin propionate. 4. Toxicity] Hazato H, et al. **Jap J Antibiot** 26:136-47, Apr 73 (Eng. Abstr.) **(Jap)**

[Toxicity of 3',4'-dideoxykanamycin B. 2. Subacute toxicity in rats and rabbits] Koeda T, et al. **Jap J Antibiot** 26:228-46, Jun 73 (Eng. Abstr.) **(Jap)**

[Toxicity of 3',4'-dideoxykanamycin B. 1. Acute toxicity

in mice and rats] Koeda T, et al.
Jap J Antibiot 26:221-7, Jun 73 (Eng. Abstr.) **(Jap)**
[Toxicity of 3',4'-dideoxykanamycin B. 3. Chronic toxicity in rats and dogs] Koeda T, et al.
Jap J Antibiot 26:247-61, Jun 73 (Eng. Abstr.) **(Jap)**
[Quantitative histological analysis of the effect of gamma-radiation and cysteine on mouse testis] Mamina VP.
Radiobiologiia 13:131-5, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Testes of roosters treated with a single dose of estradiol dipropionate. Pantić VR, et al.
Gen Comp Endocrinol 21:108-17, Aug 73
Structural aberrations of the Y chromosome and the corresponding phenotype. Report of a case with the karotype 45,X-46,X,i(Yp). Siebers JW, et al.
Humangenetik 19:57-66, 1973
Structural abnormalities in the undescended testis. Dickinson SJ. **J Pediatr Surg** 8:523-7, Aug 73
Chordee without hypospadias. Devine CJ Jr, et al.
J Urol 110:264-71, Aug 73
Electron microscopic studies on fetal and early postnatal testicular interstitial cells of mice. Wakayama Y. **Nagoya J Med Sci** 35:33-41, Aug 72
[Morphogenesis of the sex cords and the significance of the medullary zone of the gonad in the chick embryo] Stahl A, et al.
Acta Anat (Basel) 85:248-74, 1973 (Eng. Abstr.) **(Fre)**
[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A.
Experientia 29:885-7, 1973 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Purification and properties of protein methylase II. Kim S. **Arch Biochem Biophys** 152:476-84, Aug 73
Evidence for linkage between four esterase loci in the rat (Rattus norvegicus). Moutier R, et al.
Biochem Genet 9:109-15, Jun 73
Partial reactions of D-glucose 6-phosphate-1L-myoinositiol 1-phosphate cyclase. Barnett JE, et al. **Biochem J** 131:21-30, Jan 73
Relative distribution of arylsulphatases A and B in rat liver parenchymal and other cells. Hook GE, et al.
Biochem J 134:191-5, May 73
Interconvertibility of mouse DNA polymerase activities derived from the nucleus and cytoplasm. Hecht NB. **Biochim Biophys Acta** 312:471-83, 13 Jul 73
Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al.
Biol Reprod 9:1-8, Aug 73
Lactate dehydrogenase isozymes of the mongolian gerbil, Meriones unguiculatus. II. Ontogeny and relative isozyme composition. Lindahl R, et al.
Comp Biochem Physiol [B] 45:265-73, 15 May 73
Comparative studies of indophenyl acetate and iodide salts of acetylthiocholine and butyrylthiocholine as esterase substrates. Mendoza CE, et al.
Comp Gen Pharmacol 3:134-8, Jun 72
Enzyms as markers of testicular growth and development in the rat. Hodgen GD, et al.
Endocrinology 93:985-9, Oct 73
Activity of cytidine triphosphate synthetase in normal and neoplastic tissues. Genchev DD.
Experientia 29:789-90, 1973
Phosphorylase activity in the normal human testis: a histochemical study. Re M, et al.
Experientia 28:1106-7, 15 Sep 72
Distribution of cytoplasmic and mitochondrial glutamic-oxaloacetic transaminase (GOT) in various kinds of human testicular cells. Vrba M, et al.
Folia Biol (Praha) 19:237-40, 1973
The use of polyvinyl pyrrolidone (PVP) in the histochemical demonstration of phosphorylase in the normal human testis. Re M, et al.
Folia Endocrinol (Roma) 26:175-9, Jun 73
Quantitative determination of hyaluronidase in tissue sections. Komender J, et al.
Histochemie 35:219-25, 30 May 73
Improvements in technique for the histochemical demonstration of 3-beta and 17-beta hydroxysteroid dehydrogenase in human testis. Morse HC, et al.
Histochemie 35:331-9, 29 Jun 73
Delta5-3beta-hydroxysteroid dehydrogenase & glucose-6-phosphate dehydrogenase in testis of toad, Bufo melanostictus (Schneider). Saidapur SK, et a
Indian J Exp Biol 10:425-7, Nov 72
Inhibition of enzymes by human salivary immunoglobulin A. Fukui Y, et al.
Infect Immun 8:335-40, Sep 73
Ribonuclease and deoxyribonuclease activities i zinc-deficient tissues. Prasad AS, et al.
J Lab Clin Med 82:461-6, Sep 73
Increase of (Ca2+--Mg2+)-adenosine triphosphatas activity in rat testis undergoing regression of th germinal epithelium. Delhumeau-Ongay G, et a
J Reprod Fertil 34:149-53, Jul 73
Testicular enzymes and spermatogenesis. Blacksha AW. **J Reprod Fertil [Suppl]** 18:55-64, Jul 73 (65 ref
[Testicular feminization with ambosexualization puberty and 46 XY-47 XXY mosaicism] Milcou SM, al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (En Abstr.) (Fr
[Activity of several acid hydrolases and ascorbic ac level in rat testis during vitamin A deficienc Goubern M, et al.
Ann Nutr Aliment 26:263-89, 1972 (Eng. Abstr.) (Fr
[Androgen insensitivity syndrome] Boczkowski
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) (Pc

GROWTH & DEVELOPMENT

A workable, simple biological screening procedure f the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al.
Acta Endocrinol [Suppl] (Kbh) 173:63, 1973
17-Alpha-hydroxylase deficiency of the gonads a adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973
Enzymes as markers of testicular growth and development in the rat. Hodgen GD, et al.
Endocrinology 93:985-9, Oct 73
Changes in serum prolactin and gonadotropins duri sexual development of the male rat. Negro-Vilar A, al. **Endocrinology** 93:660-4, Sep 73
Evidence for changes in sensitivity to testosterc negative feedback on gonadotropin release dur sexual development in the male rat. Negro-Vilar A, al. **Endocrinology** 93:729-35, Sep 73
Structural aberrations of the Y chromosome and corresponding phenotype. Report of a case with karotype 45,X-46,X,i(Yp). Siebers JW, et al.
Humangenetik 19:57-66, 1973
The effect of caloric restriction on testicular hypertrophy following hemicastration in the Stewart SF, et al. **J Reprod Fertil** 34:159-63, Jul
Electron microscopic studies on fetal and ea postnatal testicular interstitial cells of mice Wakayama Y. **Nagoya J Med Sci** 35:33-41, Aug
Hematocrit: maturity relationship in adolescer Daniel WA Jr. **Pediatrics** 52:388-94, Sep 73
[Ponderal and histologic development of the mo testicle from birth to 1-year of age] Jean C, et
C R Soc Biol (Paris) 166:1685-90, 1972 (F
[Transplantations of undifferentiated gonads in simultaneous hermaphrodite, Eisenia foetida (Oligochaeta, Lumbricidae). Demonstration of l factors (inductors?) of sex differentiation] Relex JC.
J Embryol Exp Morphol 30:143-61, Aug 73 (I Abstr.) (I
[The normal and disturbed prepuberal developmen the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abs (C

IMMUNOLOGY

Artificial immunization of rabbits against experime syphilis. II. Immunological side effects of treponemal vaccine. Matej H, et al.
Arch Immunol Ther Exp (Warsz) 21:263-70,
The effect of carcinogens on immune responses in guinea-pig. Dale MM, et al.
Br J Exp Pathol 54:437-48, Aug 73
The use of an in vitro test of delayed hypersensit for the study of experimental autoimmune aspermatogenesis. Pokorná Z, et al.
Folia Biol (Praha) 19:187-93, 1973
Cytotoxicity of human lymphotoxin for tumor normal human tissue cells in vitro. Weedon DD,
Mayo Clin Proc 48:556-9, Aug 73
Failure to demonstrate postnatal testicular depen

U. of I., URBANA-CHAMPAIGN

expression of the male-specific transplantation antigen in mice. Weissman IL.
Transplantation 16:122-5, Aug 73
Lymphocyte rosettes around testicular interstitial cells in mice] Rivenzon A.
C R Soc Biol (Paris) 166:1417-20, 1972 **(Fre)**

INNERVATION

Fine structural evidence for the presence of nerve terminals in the testis of the teleost, Oryzias latipes. Gresik EW. **Gen Comp Endocrinol** 21:210-3, Aug 73

METABOLISM

Studies on the transmission of 125I IgG and 125I albumin from serum to seminal plasma in boars. Martinsson K, et al. **Acta Vet Scand** 14:272-7, 1973
Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al. **Arzneim Forsch** 23:867-70, Jun 73
Concentrations of asparagine in tissues of prepubertal rats after enzymic or dietary depletion of asparagine. Frankel DL, et al. **Biochem J** 132:645-8, Mar 73
Free amino acids of testes. Concentrations of free amino acids in the testes of several species and the precursors of glutamate and glutamine in rat testes in vivo. Mushahwar IK, et al. **Biochem J** 132:353-9, Mar 73
The plasma transport and metabolism of retinoic acid in the rat. Smith JE, et al. **Biochem J** 132:821-7, Apr 73
The retention of arachidonic acid in ethanolamine plasmalogens of rat testes during essential fatty acid deficiency. Blank ML, et al.
Biochim Biophys Acta 316:28-34, 19 Jul 73
Temperature effects on the kinetics of spermatogenesis in the mouse. Meistrich ML, et al.
Cell Tissue Kinet 6:379-93, Jul 73
Metabolic fate of 57Co-labeled hydroxocobalamin and 57Co-labeled 5,6-dimethylbenzimidazolylcobamide coenzyme in rats. Kinoshita K, et al.
Chem Pharm Bull (Tokyo) 21:1291-4, Jun 73
Changes in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73
Studies on protein and nucleic acid contents of toad testes following administration of sodium malonate. Chatterjee S, et al. **Endocrinol Jap** 20:207-9, Apr 73
In vitro synthesis of müllerian-inhibiting hormone by seminiferous tubules isolated from the calf fetal testis. Josso N. **Endocrinology** 93:829-34, Oct 73
Influence of alpha- and beta-subunits on the kinetics of formation and activity of native and hybrid molecules of LH and human chorionic gonadotropin. Reichert LE Jr, et al. **Endocrinology** 93:938-46, Oct 73
Inhibition of testosterone biosynthesis by medrogestone. Givner ML, et al.
Experientia 28:1105-6, 15 Sep 72
Effect of luteinizing hormone on 3',5'-cyclic AMP and testosterone production in isolated interstitial tissue of rat testis. Rommerts FF, et al.
FEBS Lett 33:114-8, 15 Jun 73
Steroid metabolism in testis tissue. Concentrations of testosterone, pregnenolone and 5 -androst-16-en-3 -ol in normal and cryptorchid rat testis, and in isolated interstitial and tubular tissue. Ruokonen A, et al.
FEBS Lett 31:321-3, 1 May 73
Steroid biosynthesis by gonads of 7- and 10-day-old chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73
Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73
Metabolism of NAD after whole-body irradiation. IV. Incorporation of nicotinamide by isolated perfused liver and by intact rats. Gerber GB, et al.
Int J Radiat Biol 22:351-60, Oct 72
Polonium-210 metabolism in rabbits after a single intravenous and intratracheal injection. Parfenov YD, et al. **Int J Radiat Biol** 23:487-93, May 73
Major pathways of serine and glycine catabolism in various organs of the rat and cock. Yoshida T, et al.
J Biochem (Tokyo) 73:1013-22, May 73
Regulation of hydroxylation of 5 alpha-androstane-3 beta, 17 beta-diol in liver microsomes from male and female rats. Berg A, et al.
J Biol Chem 248:6559-67, 25 Sep 73
Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. **J Endocrinol** 58:207-17, Aug 73

Autoradiographic studies of gonadotrophin action on germ cell maturation rate. Hunter JD.
J Endocrinol 58:133-4, Jul 73
The production of reduced C19 steroids by the prepubertal rat testis from 5 -pregnane-3,20-dione. Richards G, et al. **J Endocrinol** 58:2-3, Jul 73
De-novo steroid synthesis in the seminiferous tubule of the adult rat testis. Vinson GP, et al.
J Endocrinol 58:3-4, Jul 73
Androgen biosynthesis by testicular tissue of the desert rodents, Acomys cahirinus and Gerbillus dasyurus. Bedrak E, et al.
J Reprod Fertil 34:93-104, Jul 73
Some biological properties of bull seminal vesicle aspermatogenic substance and its effect on mice. Matoušek J, et al. **J Reprod Fertil** 34:9-22, Jul 73
Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73
Pharmacological study of hydroxy bis-[2-(p-chlorophenoxy)-isobutyric acid] aluminium. II. The effect of hydroxy bis-[2-(-chlorophenoxy)-isobutyric acid] aluminum on lipid metabolism in hypercholesterolimic rats. Tomita T, et al. **Jap J Pharmacol** 23:289-98, Jun 73
Binding of human LH to particulate fraction of rat testis: disparity in LH:IRP equipotency ratios in immuno-and ligand assay. Schneider B, et al.
Metabolism 22:1225-33, Sep 73
Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73
Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et al.
Nature [New Biol] 244:24-6, 4 Jul 73
Intracellular receptors for 5alpha-dihydrostestosterone in the epididymis of adult rats. Comparison with the androgenic receptors in the ventral prostate and the androgen binding protein (ABP) in the testicular and epididymal fluid. Hansson V, et al. **Steroids** 22:19-33, Jul 73
Effects of dietary nickel on enzyme activities and mineral contents in rats. Whanger PD.
Toxicol Appl Pharmacol 25:323-31, Jul 73
[Activity of several acid hydrolases and ascorbic acid level in rat testis during vitamin A deficiency] Goubern M, et al.
Ann Nutr Aliment 26:263-89, 1972 (Eng. Abstr.) **(Fre)**
[Receptor of gonadotropin] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) **(Jap)**

MICROBIOLOGY

Outer envelope of virulent Treponema pallidum. Johnson RC, et al. **Infect Immun** 8:291-5, Aug 73
Mumps virus recovered from testicles by fine-needle aspiration biopsy in cases of mumps orchitis. Bjorvatn B. **Scand J Infect Dis** 5:3-5, 1973

PATHOLOGY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73
Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al.
Acta Endocrinol (Kbh) 73:396-406, Jun 73
Morphologic testicular changes in rats after biopsy or puncture. Schwedes U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:149, 1973
Male pseudohermaphroditism in a patient with E-trisomy syndrome. Fluge G, et al.
Acta Paediatr Scand 62:440-4, Jul 73
Robinow dwarfing syndrome accompanied by penile agenesis and hemivertebrae. Vera-Roman JM.
Am J Dis Child 126:206-8, Aug 73
Effect of drug treatment for lymphoma on male reproductive capacity. Studies of men in remission after therapy. Sherins RJ, et al.
Ann Intern Med 79:216-20, Aug 73
Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al.
Arch Pathol 96:175-8, Sep 73
Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73
Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al.
Biol Reprod 9:1-8, Aug 73

Testicular biopsy in evaluation of male infertility. Meinhard E, et al. **Br Med J** 3:577-81, 15 Sep 73
Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973
Late pathomorphological changes in the testes of mice irradiated with gamma radiation (60 Co) on the first day of life. Chomiczewski K. **Folia Biol (Krakow)** 20:101-10, 1972
Histological changes in testes of the garden lizard, Calotes versicolor (Daudin), following x-irradiation. Ghosh A, et al. **Indian J Exp Biol** 10:459-61, Nov 72
True hermaphroditism with XX-XY mosaicism: report of a case. Shanfield I, et al. **J Pediatr** 83:471-3, Sep 73
Structural abnormalities in the undescended testis. Dickinson SJ. **J Pediatr Surg** 8:523-7, Aug 73
A re-examination of the antigonadal effect of prolactin in the male fowl, Gallus domesticus. Shani J, et al. **J Reprod Fertil** 34:167-70, Jul 73
The pathogenesis of hydro-testis after ligation of the vas deferens: a study in several species. Horan AH. **J Urol** 110:317-21, Sep 73
Cystic dysplasia of the testis: a unique congenital anomaly studied by microdissection. Leissring JC, et al. **J Urol** 110:362-3, Sep 73
Healed meconium peritonitis presenting as an inguinal mass. Thompson RB, et al. **J Urol** 110:364-5, Sep 73
Undescended testes. Blumberg NA. **S Afr Med J** 47:1017-8, 23 Jun 73
Mumps virus recovered from testicles by fine-needle aspiration biopsy in cases of mumps orchitis. Bjorvatn B. **Scand J Infect Dis** 5:3-5, 1973
Ultrastructure of the pseudohermaphrodite rat testis. Russell LD, et al. **Z Zellforsch Mikrosk Anat** 140:473-9, 16 Jul 73
[Triorchism] Podhradský J. **Rozhl Chir** 52:396-9, Jun 73 (Eng. Abstr.) (Cze)
[Experiment on vaccination against Marek's disease (MD) with a Danish live attenuated MD-virus (CPRL II HP)] Settnes OP. **Nord Vet Med** 24:592-5, Nov 72 (Eng. Abstr.) (Dan)
[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al. **Ann Endocrinol (Paris)** 34:48-56, Jan-Feb 73 (Eng. Abstr.) (Fre)
[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al. **Ann Endocrinol (Paris)** 33:607-21, Nov-Dec 72 (Eng. Abstr.) (Fre)
[The normal and disturbed prepuberal development of the human testis] Städtler F. **Veroeff Morphol Pathol** 92:1-127, 1973 (Eng. Abstr.) (Ger)
[Morphological changes of the epididymis and testis in neonatally estrogenized mice] Kachi T, et al. **Acta Anat Nippon** 48:202-11, Jun 73 (Eng. Abstr.) (Jap)
[Quantitative histological analysis of the effect of gamma-radiation and cysteine on mouse testis] Mamina VP. **Radiobiologiia** 13:131-5, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Morphological analysis of rat Leydig cells in hypoxic hypoxia] Turganbaev Zh. **Sov Zdravookhr Kirg** 5:23-8, Sep-Oct 72 (Rus)
[Pathomorphological evaluation of methods of partial castration] Khakimova FM. **Veterinariia** 49:102-4, May 73 (Rus)

PHYSIOLOGY

The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)
Gonadectomy-induced histological changes in the hypothalamic neurosecretory system of the musk shrew, Suncus murinus L. Kulshreshtha A, et al. **Ann Endocrinol (Paris)** 34:17-23, Jan-Feb 73
Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters. Reiter RJ. **Ann Endocrinol (Paris)** 33:571-81, Nov-Dec 72
Spermatogonial stem cell renewal in the mouse. II. After cell loss. Keulen CJ van, et al. **Cell Tissue Kinet** 6:337-45, Jul 73
On the mechanism of the anti-androgenic effect of medroxyprogesterone acetate. Albin J, et al. **Endocrinology** 93:417-22, Aug 73
Effect of hypophysectomy, castration and androgen replacement upon the fertilizing ability of r epididymal spermatozoa. Dyson AL, et al. **Endocrinology** 93:391-402, Aug 73
In vitro synthesis of müllerian-inhibiting hormone seminiferous tubules isolated from the calf fe testis. Josso N. **Endocrinology** 93:829-34, Oct
The effect of androgenic hormones on the reduc nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moc RJ, et al. **Endocrinology** 93:581-92, Sep 73
Evidence for changes in sensitivity to testostero negative feedback on gonadotropin release duri sexual development in the male rat. Negro-Vilar A, al. **Endocrinology** 93:729-35, Sep 73
The scrotum as target organ for testosterone: hormo control of amino acid distribution. Wilson MJ, et **Endocrinology** 93:743-7, Sep 73
Comparative histometric investigations of the testicular function of European hamsters (Cricet cricetus) with and without hibernation. Reznik-Schüller H, et al. **Fertil Steril** 24:698-705, Sep 73
Pituitary and testicular influenced sexual behavior male frogs, Rana pipiens. Palka YS, et al. **Gen Comp Endocrinol** 21:148-51, Aug 73
The local control of mammalian spermatogenes Schleiermacher E, et al. **Humangenetik** 19:75-98, 1
The cremasteric muscle. Role in varicocelogenesis a in thermoregulatory function of the testicle. Shafik **Invest Urol** 11:92-7, Sep 73
The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hams epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:185-92, Aug 73
Anomalous effects of progesterone on the maturat and survival of spermatozoa in the epididymis of golden hamster. Lubicz-Nawrocki CM. **J Endocrinol** 58:199-205, Aug 73
The effect of metabolites of testosterone on viability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:193-8, Aug
The effects of hypophysectomy and the paradoxi effect of human chorionic gonadotrophin on viability of hamster spermatozoa. Lubicz-Nawro CM, et al. **J Endocrinol** 58:177-84, Aug 73
"Trophic" influence on the sympathetic nerves of vas deferens and seminal vesicle of the guinea Wakade AR, et al. **J Pharmacol Exp Ther** 186:528-36, Sep 73
The effect of caloric restriction on testicula hypertrophy following hemicastration in the Stewart SF, et al. **J Reprod Fertil** 34:159-63, Jul
Effect of local heating of the scrotum, testes epididymides of rats on cardiac output and regio blood flow. Waites GM, et al. **J Reprod Fertil** 34:41-9, Jul 73
Monoamine oxidase variation during sexual differentiation. Gaziri LC, et al. **Neuroendocrinology** 12:249-56, 1973
Effect of gonadotropins on neonatal testicular activ and sexual differentiation of the brain in the rat. Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul
Modulation of rabbit testicular contractions b prostaglandins, steroids and some pharmacolog compounds. Seeley RR, et al. **Prostaglandins** 2:33-40, Jul 72
Responses of the hypothalamic-pituitary-adrenal -gonadal systems to head x-irradiation. Shimizu T al. **Tohoku J Exp Med** 109:155-61, Feb 73

PHYSIOPATHOLOGY

The pathogenesis of hydro-testis after ligation of vas deferens: a study in several species. Horan **J Urol** 110:317-21, Sep 73

RADIATION EFFECTS

Testicular function at puberty following prepube local x-irradiation in the rat. Suzuki K, et **Biol Reprod** 9:1-8, Aug 73
Investigations of 18F-p-fluorophenylalanine for pancreas scanning. Cottrall MF, et al. **Br J Radiol** 46:277-88, Apr 73
Aspermia following lower truncal irradiation Hodgkin's disease. Speiser B, et al. **Cancer** 32:692-8, Sep 73
Late pathomorphological changes in the testes of r irradiated with gamma radiation (60 Co) on the

day of life. Chomiczewski K.
Folia Biol (Krakow) 20:101-10, 1972
Histological changes in testes of the garden lizard, Calotes versicolor (Daudin), following x-irradiation. Ghosh A, et al. **Indian J Exp Biol** 10:459-61, Nov 72
The effect of x-radiation on spermatogenesis and the fertility of Schistocerca gregaria (Forsk.). Coggins PB. **J Embryol Exp Morphol** 30:163-77, Aug 73
Radiation dosimetry of 131I-19-iodocholesterol. Kirschner AS, et al. **J Nucl Med** 14:713-7, Sep 73
[Development of transplantated gonads in axolot limbs. Effect of irradiation and amputation of the host limb] Lazard L.
C R Acad Sci [D] (Paris) 276:1601-4, 5 Mar 73 **(Fre)**
Quantitative histological analysis of the effect of gamma-radiation and cysteine on mouse testis] Mamina VP.
Radiobiologiia 13:131-5, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

SECRETION

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:167, 1973
Pituitary-gonadal rhythms in the eugonadal adult male. Wieland RG, et al. **Fertil Steril** 24:644-7, Aug 73
Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al.
Gen Comp Endocrinol 21:148-51, Aug 73
Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et al.
Nature [New Biol] 244:24-6, 4 Jul 73
Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73
Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Mieno M, et al.
Tohoku J Exp Med 110:113-7, Jun 73
Responses of the hypothalamic-pituitary-adrenal and gonadal systems to head x-irradiation. Shimizu T, et al. **Tohoku J Exp Med** 109:155-61, Feb 73
Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

SURGERY

A one-stage technique for constructing female external genitalia in male transsexuals. Pandya NJ, et al.
Br J Plast Surg 26:277-82, Jul 73
An analysis of the effects of changes from the assigned treatment in a clinical trial of treatment for prostatic cancer. Hurst KS, et al. **J Chronic Dis** 26:311-24, May 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
Torsion of the previously operated testicle. Johenning PW. **J Urol** 110:221-2, Aug 73
Failure to demonstrate postnatal testicular dependent expression of the male-specific transplantation antigen in mice. Weissman IL.
Transplantation 16:122-5, Aug 73
[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Failure to demonstrate postnatal testicular dependent expression of the male-specific transplantation antigen in mice. Weissman IL.
Transplantation 16:122-5, Aug 73
[Development of transplantated gonads in axolot limbs. Effect of irradiation and amputation of the host limb] Lazard L.
C R Acad Sci [D] (Paris) 276:1601-4, 5 Mar 73 **(Fre)**
[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A.
Experientia 29:885-7, 1973 (Eng. Abstr.) **(Fre)**

II. Disorders of the Gonads

ARRHENOBLASTOMA

[Arrhenoblastoma. Report of 2 cases] Cerón Esquivel A, et al.
Ginecol Obstet Mex 33:313-8, Mar 73 (Eng. Abstr.) (Spa)

COMPLICATIONS

Androblastoma of the ovary with heterotopic elements. Hayes DM, et al. J Pathol 109:267-70, Mar 73

DIAGNOSIS

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73

METABOLISM

Ectopic aldosterone production. Todesco S, et al. Lancet 2:443, 25 Aug 73

PATHOLOGY

Androblastoma of the ovary with heterotopic elements. Hayes DM, et al. J Pathol 109:267-70, Mar 73
Ectopic aldosterone production. Todesco S, et al. Lancet 2:443, 25 Aug 73

BRENNER TUMOR

COMPLICATIONS

The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma. Benisch BM, et al. Mt Sinai J Med NY 40:689-92, Sep-Oct 73

ETIOLOGY

An ultrastructural study of the nature and origin of the Brenner tumour of the ovary. Cummins PA, et al. J Pathol 110:167-76, Jun 73

PATHOLOGY

An ultrastructural study of the nature and origin of the Brenner tumour of the ovary. Cummins PA, et al. J Pathol 110:167-76, Jun 73
The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma. Benisch BM, et al. Mt Sinai J Med NY 40:689-92, Sep-Oct 73

CORPUS LUTEUM CYST

DIAGNOSIS

Ovarian pregnancy with an intrauterine contraceptive device in situ: a case report. Bozza AT, et al. Am J Obstet Gynecol 117:285-6, 15 Sep 73

CRYPTORCHISM

Undescended testicle. Mital VK, et al.
Indian J Pediatr 39:171-4, May 72
Structural abnormalities in the undescended testis. Dickinson SJ. J Pediatr Surg 8:523-7, Aug 73

COMPLICATIONS

The facial-digital-genital (Aarskog) syndrome. Sugarman GI, et al. Am J Dis Child 126:248-52, Aug 73
Robinow dwarfing syndrome accompanied by penile agenesis and hemivertebrae. Vera-Roman JM. Am J Dis Child 126:206-8, Aug 73
Neurological involvement in the Smith-Lemli-Opitz syndrome: clinical and neuropathological findings. Garcia CA, et al. Dev Med Child Neurol 15:48-55, Feb 73
[Torsion of ectopic testis] Abu-Dalu L, et al.
Helv Chir Acta 40:413-6, Jun 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Current status in the therapy of cryptorchism] Pasi M, et al.
Lijec Vjesn 95:297-302, Jun 73 (Eng. Abstr.) (Cr

ENZYMOLOGY

Testicular enzymes and spermatogenesis. Blacksha AW. J Reprod Fertil [Suppl] 18:55-64, Jul 73 (65 re

FAMILIAL & GENETIC

[A familial case of 17 r ring-shaped chromosome group E with transmission from father to son] Burd M, et al.
Rev Med Chir Soc Med Nat Iasi 77:353-7, Apr-Jun (Eng. Abstr.) (Rus

METABOLISM

The effect of gonadotropins on the "androgen statu in boys with undescended testes. Attanasio A, et Acta Endocrinol [Suppl] (Kbh) 173:167, 1973
Metabolism of 3-beta-hydroxy-5-ene steroids by test of rats acclimatized to a hot environment. Bedrak E, al. J Endocrinol 58:207-17, Aug 73

OCCURRENCE

Undescended testicle. Mital VK, et al.
Indian J Pediatr 39:171-4, May 72
[Impuberism and hypogonadism at induction in military service. Statistical study] Fromantin M, et Probl Actuels Endocrinol Nutr 16:179-99, 3 May (F

PATHOLOGY

Undescended testes. Blumberg NA.
S Afr Med J 47:1017-8, 23 Jun 73
[The normal and disturbed prepuberal development the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abst (G

RADIOGRAPHY

Torsion of an intraabdominal testicle in a neona Arkin R, et al. J Pediatr Surg 8:551-2, Aug
Positive-contrast peritoneography and heriography. KS, et al. Radiology 108:647-54, Sep 73

SURGERY

Preperitoneal repair of inguinal hernias in infancy childhood. Fowler R. Aust Paediatr J 9:85-9, Apr
Orchiolysis: correction of the undescended test without fixation. Williams C.
Br J Urol 45:437-40, Aug 73
Structural abnormalities in the undescended tes Dickinson SJ. J Pediatr Surg 8:523-7, Aug
Management of inguinal lymph nodes in patients w testicular tumors following orchiopexy, inguinal scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
Torsion of the previously operated testicle. Johenr PW. J Urol 110:221-2, Aug 73
Pediatric surgery. 3. Hendren WH.
N Engl J Med 289:562-8, 13 Sep 73 (103 r
Undescended testes. Blumberg NA.
S Afr Med J 47:1017-8, 23 Jun 73
[Torsion of ectopic testis] Abu-Dalu L, et
Helv Chir Acta 40:413-6, Jun 73 (Eng. Abstr.) (
[The so-called cryptorchism from surgical an androlgical viewpoints] Kreibich H, et al.
Dtsch Gesundheitsw 28:67-71, 2 Jan 73 (Eng. Abs
(
[Current status in the therapy of cryptorchism] Pa

U. OF I., URBANA-CHAMPAIGN

M, et al.
Lijec Vjesn 95:297-302, Jun 73 (Eng. Abstr.) (Cro)

VETERINARY

Congenital defects in Finnish calves. Oksanen A.
Nord Vet Med 24:156-61, Mar 72

DISGERMINOMA

COMPLICATIONS

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73
Perforated dysgerminoma of the ovary as a case of acute abdomen] Volnohradský R.
Rozhl Chir 52:492-4, Jul 73 (Eng. Abstr.) (Cze)
Pseudo-premature puberty in a 16-month-old girl in the course of an estrogen-secreting ovarian tumor] Mazurek A, et al. Pediatr Pol 48:761-4, Jun 73 (Pol)

DIAGNOSIS

A new adjuvant in testis tumor staging: gallium-67 citrate. Bailey TB, et al. J Urol 110:307-10, Sep 73
2 cases of giant tumors in the course of advanced pregnancy] Kotzbach R, et al.
Wiad Lek 26:1177-81, 15 Jun 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73

ETIOLOGY

The clinical picture and management of testicular tumours. Cade I. Clin Radiol 24:385-91, Jul 73

FAMILIAL & GENETIC

Testicular neoplasms in father and son. Arcadi JA.
J Urol 110:306, Sep 73

METABOLISM

Pseudo-premature puberty in a 16-month-old girl in the course of an estrogen-secreting ovarian tumor] Mazurek A, et al. Pediatr Pol 48:761-4, Jun 73 (Pol)

OCCURRENCE

The clinical picture and management of testicular tumours. Cade I. Clin Radiol 24:385-91, Jul 73

PATHOLOGY

A case of abnormal thirst. Br Med J 3:214-9, 28 Jul 73
The clinical picture and management of testicular tumours. Cade I. Clin Radiol 24:385-91, Jul 73
Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73
A new adjuvant in testis tumor staging: gallium-67 citrate. Bailey TB, et al. J Urol 110:307-10, Sep 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
Metastatic testicular neoplasm to the kidney. DeWolf W, et al. Minn Med 56:783, Sep 73
Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

RADIOGRAPHY

Lymphographic findings in a series of 258 patients with tumors of the testes. Roo T de, et al.
Lymphology 6:97-100, Jun 73
Lymphography of malignant primary tumors] Elke M, et al.
Radiol Clin Biol 42:258-71, 1973 (Eng. Abstr.) (Ger)
Significance of venography of the inferior vena cava in radiotherapy] Matsumoto M, et al.
Jap J Clin Radiol 18:243-9, Apr 73 (Jap)

RADIOTHERAPY

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73
Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73
Testicular neoplasms in father and son. Arcadi JA.
J Urol 110:306, Sep 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
[Prophylactic irradiation of the mediastinum in lymphoma and tumors of the testis] Dana M, et al.
J Radiol Electrol Med Nucl 54:159-65, Feb 73 (Eng. Abstr.) (Fre)
[Seminomatous tumor of the mediastinum] Horiuchi J, et al. Jap J Clin Radiol 18:501-7, Jul 73 (Jap)
[Successfully total lung irradiation in a case of bilateral pulmonary metastasis of testicular seminoma] Inoue T, et al. Jap J Clin Radiol 18:429-33, Jun 73 (Jap)

SURGERY

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73
Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

THERAPY

The clinical picture and management of testicular tumours. Cade I. Clin Radiol 24:385-91, Jul 73

EUNUCHISM

[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)
[Puberty retardation in males and females] Vague J, et al.
Probl Actuels Endocrinol Nutr 16:121-8, 3 May 73 (Fre)

BLOOD

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973

DIAGNOSIS

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73

PHYSIOPATHOLOGY

[Age-related dynamics of estrogen excretion in men and its changes in pathological climacteric and hypogonadism] Vartapetov BA, et al.
Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (Eng. Abstr.) (Rus)

GONADS

ABNORMALITIES

[Developmental abnormalities of gonads] Jirásek JE.
Cesk Gynekol 38:98-100, 1973 (Cze)

GRANULOSA CELL TUMOR

CHEMICALLY INDUCED

A new model for inducing malignant ovarian tumours in rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 73

COMPLICATIONS

[Precocious pseudo-puberty due to ovarian folliculoma in a 16-month-old girl] Rondanini GB, et al. **Minerva Pediatr** 24:479-86, 7 Apr 72 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Malignant ovarian tumors in children. Ein SH. **J Pediatr Surg** 8:539-42, Aug 73

RADIOTHERAPY

Malignant ovarian tumors in children. Ein SH. **J Pediatr Surg** 8:539-42, Aug 73

SURGERY

Malignant ovarian tumors in children. Ein SH. **J Pediatr Surg** 8:539-42, Aug 73

HERMAPHRODITISM

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh)** 73:396-406, Jun 73

XO-XY mosaicism and nonfluorescent Y chromosome. Khudr G, et al. **Obstet Gynecol** 42:421-8, Sep 73

[Hermaphroditism in allogenic chimerae in the urodele amphibian Pleurodeles waltii Michah] Houillon C, et al. **C R Acad Sci [D] (Paris)** 276:1617-20, 5 Mar 73 **(Fre)**

[Transplantations of undifferentiated gonads in the simultaneous hermaphrodite, Eisenia foetida (Oligochaeta, Lumbricidae). Demonstration of local factors (inductors?) of sex differentiation] Relexans JC. **J Embryol Exp Morphol** 30:143-61, Aug 73 (Eng. Abstr.) **(Fre)**

["Genetic counseling"] **Geburtshilfe Frauenheilkd** 33:525-40, Jul 73 (Eng. Abstr.) **(Ger)**

BLOOD

A case of true hermaphroditism with impaired growth and normal growth hormone levels in a Chinese. Cheah JS, et al. **Med J Aust** 2:28-31, 7 Jul 73

COMPLICATIONS

Hirsutism: a review of the genetic and experimental aspects. Muller SA. **J Invest Dermatol** 60:457-74, Jun 73 (150 ref.)

A case of true hermaphroditism with impaired growth and normal growth hormone levels in a Chinese. Cheah JS, et al. **Med J Aust** 2:28-31, 7 Jul 73

[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al. **Ann Endocrinol (Paris)** 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al. **Ter Arkh** 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

True hermaphroditism with XX-XY mosaicism: report of a case. Shanfield I, et al. **J Pediatr** 83:471-3, Sep 73

PATHOLOGY

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh)** 73:396-406, Jun 73

True hermaphroditism with XX-XY mosaicism: report of a case. Shanfield I, et al. **J Pediatr** 83:471-3, Sep 73

SURGERY

A case of true hermaphroditism with impaired growt and normal growth hormone levels in a Chines Cheah JS, et al. **Med J Aust** 2:28-31, 7 Jul

URINE

A case of true hermaphroditism with impaired growt and normal growth hormone levels in a Chines Cheah JS, et al. **Med J Aust** 2:28-31, 7 Jul

VETERINARY

Urogenital abnormalities in two calves. Pearson H, al. **Vet Rec** 92:463-8, 5 May 73

HYPOGONADISM

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 19

[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May **(Fr**

[Hypogonadotrophinic hypogonadism in females Treatment and long term results] Konopka **Probl Actuels Endocrinol Nutr** 16:159-78, 3 May **(Fr**

[Male hormones] Sarai K. **Clin Endocrinol (Tokyo)** 21:583-6, Jun 73 (24 re **(Ja**

BLOOD

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:113, 1973

ICSH(LH) and FSH levels in plasma after i. administration of LH-RH in impaired gonada function. Wiegelmann W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:95, 1973

Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testostero and hormone binding proteins in patients w hypogonadism. Kley HK, et al. **Horm Metab Res** 5:271-4, Jul 73

Immunoreactive insulin and growth hormone responses in patients with Prader-Willi syndro Parra A, et al. **J Pediatr** 83:587-93, Oct 73

Testosterone in plasma. A physiopathological stu Vermeulen A. **Verh K Vlaam Acad Geneeskd Belg** 35:95-180, 1 (104 ref.)

[Plasma testosterone levels in men without mat Leydig cells] Stárka L, et al. **Cas Lek Cesk** 112:166-72, Feb 73 (Eng. Abstr.) **(C**

[Effect of clomiphene citrate on FSH and LH levels cases of hypogonadism with hyposmia or anosm Bricaire H, et al. **Ann Endocrinol (Paris)** 33:622-8, Nov-Dec 72 (E Abstr.) **(F**

[Significance of basal blood somatotropin in during normal and pathological states] Giordano G al. **Arch E Maragliano Patol Clin** 28:73-99, Jan-Jun (Eng. Abstr.) **(**

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (I Abstr.) **(**

COMPLICATIONS

[Effect of clomiphene citrate on FSH and LH levels cases of hypogonadism with hyposmia or anosm Bricaire H, et al. **Ann Endocrinol (Paris)** 33:622-8, Nov-Dec 72 (I Abstr.) **(I**

[Demonstration of autoimmune pathological proce during pantele-endocrine diseases and poly-endocrinopathies. Apropos of 4 cases] Genness JL, et al. **Ann Endocrinol (Paris)** 34:31-9, Jan-Feb 73 (Abstr.) **(**

DIAGNOSIS

LH-secretion after synthetic LH-RH in the male u

normal and pathological conditions. Schulz F, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:93, 1973
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al. **Am J Obstet Gynecol** 117:400-6, 1 Oct 73
[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May 73 **(Fre)**
[Puberty retardation in males and females] Vague J, et al. **Probl Actuels Endocrinol Nutr** 16:121-8, 3 May 73 **(Fre)**
Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al. **Ter Arkh** 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73
Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May 73 **(Fre)**
Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P. **Probl Actuels Endocrinol Nutr** 16:159-78, 3 May 73 **(Fre)**
Puberty retardation in males and females] Vague J, et al. **Probl Actuels Endocrinol Nutr** 16:121-8, 3 May 73 **(Fre)**

ETIOLOGY

Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May 73 **(Fre)**

IMMUNOLOGY

A study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results). Alicicco E, et al. **Folia Endocrinol (Roma)** 26:165-74, Jun 73
Demonstration of autoimmune pathological processes during pantele-endocrine diseases and poly-endocrinopathies. Apropos of 4 cases] De Genness JL, et al. **Ann Endocrinol (Paris)** 34:31-9, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

METABOLISM

Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al. **Probl Actuels Endocrinol Nutr** 16:129-40, 3 May 73 **(Fre)**

OCCURRENCE

Impuberism and hypogonadism at induction into military service. Statistical study] Fromantin M, et al. **Probl Actuels Endocrinol Nutr** 16:179-99, 3 May 73 **(Fre)**

PATHOLOGY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73
Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May 73 **(Fre)**

PHYSIOPATHOLOGY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73
Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al. **Folia Endocrinol (Roma)** 25:127-34, Apr 72
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al. **J Clin Invest** 52:2617-28, Oct 73
[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al. **Ann Med Interne (Paris)** 123:1041-6, Dec 72 **(Fre)**
[Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al. **Probl Actuels Endocrinol Nutr** 16:129-40, 3 May 73 **(Fre)**
[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al. **Probl Actuels Endocrinol Nutr** 16:141-57, 3 May 73 **(Fre)**
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al. **Ter Arkh** 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

URINE

A study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results). Alicicco E, et al. **Folia Endocrinol (Roma)** 26:165-74, Jun 73
Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al. **Med J Aust** 2:991-6, 28 Oct 72
[Age-related dynamics of estrogen excretion in men and its changes in pathological climacteric and hypogonadism] Vartapetov BA, et al. **Probl Endokrinol (Mosk)** 19:45-9, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al. **Ter Arkh** 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

KLINEFELTER'S SYNDROME

Bilateral aniridia, multiple webs and severe mental retardation in a 47,XXY-48,XXXY mosaic. Pashayan H, et al. **Clin Genet** 4:125-9, 1973
Malformations of kidney and urinary tract in common chromosomal aberrations. I. Clinical studies. Egli F, et al. **Humangenetik** 18:1-15, 23 Mar 73 (301 ref.)
Interaction of environmental and genetic factors in Klinefelter's syndrome. Leonard MF, et al. **Pediatrics** 52:118-20, Jul 73
[Case of double aneuploidy: trisomy 18 and XXY] Bach C, et al. **Ann Genet (Paris)** 16:61-6, Mar 73 (Eng. Abstr.) **(Fre)**
[Puberty retardation in males and females] Vague J, et al. **Probl Actuels Endocrinol Nutr** 16:121-8, 3 May 73 **(Fre)**

BLOOD

Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al. **Horm Metab Res** 5:271-4, Jul 73
The effect of synthetic luteinizing hormone-releasing hormone on blood levels of luteinizing hormone and follicle stimulating hormone in Klinefelter patients. Lundberg PO, et al. **Int J Fertil** 18:97-100, 1973
Maternal-fetal ACTH relationship in man. Allen JP, et al. **J Clin Endocrinol Metab** 37:230-4, Aug 73
[Male hormones] Sarai K. **Clin Endocrinol (Tokyo)** 21:583-6, Jun 73 (24 ref.) **(Jap)**

COMPLICATIONS

The interplay of biological and environmental factors in a preschool-age patient with Klinefelter's syndrome. Case report. Campbell M, et al. **Pediatrics** 52:29-37, Jul 73
[Klinefelter's syndrome with XXYY formula and comitiality] Rohmer F, et al. **Rev Otoneuroophtalmol** 44:397-403, Oct-Dec 72 **(Fre)**
[Incidence of cancer in subjects with congenital or acquired chromosome aberrations] Koller PC. **Recent Prog Med (Roma)** 54:383-95, May 73 (35 ref.) (Eng. Abstr.) **(Ita)**

[2 cases of Klinefelter's syndrome with diabetes] Horiuchi N, et al.
Jap J Clin Med 31:1121-5, May 73 **(Jap)**

DIAGNOSIS

Elongated short arm of a G-group chromosome associated with similar phenotypic abnormalities in three patients. Monteleone PL, et al.
J Pediatr 83:473-6, Sep 73
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al.
Ter Arkh 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Genetic disorders associated with mental retardation. Clinical aspects. Scott CI Jr, et al.
Pediatr Clin North Am 20:121-40, Feb 73 (123 ref.)

FAMILIAL & GENETIC

Interaction of environmental and genetic factors in Klinefelter's syndrome. Leonard MF, et al.
Pediatrics 52:118-20, Jul 73
[Systematic study of Barr bodies in 2500 infants with severe congenital heart defects] Gautier M, et al.
Ann Genet (Paris) 16:67-8, Mar 73 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[Impuberism and hypogonadism at induction into military service. Statistical study] Fromantin M, et al.
Probl Actuels Endocrinol Nutr 16:179-99, 3 May 73 **(Fre)**

PHYSIOPATHOLOGY

Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al.
Folia Endocrinol (Roma) 25:127-34, Apr 72
Response to triiodothyronine and dextroamphetamine: a study of preschool schizophrenic children. Campbell M, et al. **J Autism Child Schizo** 2:343-58, Oct-Dec 72
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al.
Ter Arkh 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

URINE

[Age-related dynamics of estrogen excretion in men and its changes in pathological climacteric and hypogonadism] Vartapetov BA, et al.
Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Gonadotropic function in patients with hypogonadism] Vasiukova EA, et al.
Ter Arkh 44:108-11, Nov 72 (Eng. Abstr.) **(Rus)**

LEYDIG CELL TUMOR

Mammalian cells in culture frequently release type C viruses. Lieber MM, et al. **Science** 182:56-9, 5 Oct 73

DIAGNOSIS

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73

MORTALITY

Comparative results of right pneumonectomy and sleeve lobectomy. Naef AP, et al.
Cancer Chemother Rep [Suppl] 4:Suppl 4:97-9, Mar 73

PATHOLOGY

Testicular biopsy in evaluation of male infertility. Meinhard E, et al. **Br Med J** 3:577-81, 15 Sep 73
Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al.
Lab Invest 29:81-9, Jul 73

SURGERY

Comparative results of right pneumonectomy and sleeve lobectomy. Naef AP, et al.
Cancer Chemother Rep [Suppl] 4:Suppl 4:97-9, Mar 73

MEIGS' SYNDROME

DIAGNOSIS

[Pseudo Meigs' Syndrome] Ledermair O, et a
Wien Med Wochenschr 123:445-7, 30 Jun 73 (G

PATHOLOGY

[Pseudo Meigs' Syndrome] Ledermair O, et a
Wien Med Wochenschr 123:445-7, 30 Jun 73 (G

SURGERY

[Pseudo Meigs' Syndrome] Ledermair O, et a
Wien Med Wochenschr 123:445-7, 30 Jun 73 (G

OVARIAN CYSTS

Androblastoma of the ovary with heterotopic elemen
Hayes DM, et al. **J Pathol** 109:267-70, Mar
[Idiopathic rupture of a giant endometrial cyst of t ovary] Slupczyński S.
Pol Tyg Lek 28:868-9, 4 Jun 73 (Eng. Abstr.) (P
[Arrhenoblastoma. Report of 2 cases] Cerón Esqui A, et al.
Ginecol Obstet Mex 33:313-8, Mar 73 (Eng. Abst (S

CHEMICALLY INDUCED

Carcinogenesis by urethan via mother's milk and enhancement of transplacental carcinogenesis mice. Nomura T. **Cancer Res** 33:1677-83, Jul

COMPLICATIONS

Thrombotic thrombocytopenic purpura presenti with gynaecological manifestations. Mitch WE, et
Lancet 1:849-50, 21 Apr 73
Gangrene of the uterus and its sequelae. Jones I S Afr Med J 47:1327-30, 28 Jul 73
[The most frequent reproductive disorders and th seasonal variation in dairy cows] Roine K.
Nord Vet Med 25:242-7, Apr-May 73 (Eng. Abs (S

DIAGNOSIS

Suppression and stimulation of plasma testoster and DHT in hirsute women. Paetzmann H, et
Acta Endocrinol [Suppl] (Kbh) 173:170, 1973
Laparoscopy in gynecology. Siegler AM.
Am Fam Physician 8:70-7, Jul 73
Laparotomy during pregnancy: an assessment diagnostic accuracy and fetal wastage. Saunders P al. **Br Med J** 3:165-7, 21 Jul 73
Primary ovarian pregnancy and the intrauteri device. Pugh WE, et al.
Obstet Gynecol 42:218-22, Aug 73
Use of ultrasonography to follow regression of th lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73
Diagnostic ultrasound at Groote Schuur Hospital review of 1000 new cases. Kukard RF, et
S Afr Med J 47:1285-90, 28 Jul 73
A multiple store for diagnostic ultrasonic ima McDicken WN, et al. **Ultrasonics** 11:182-5, Jul
[Hepatic echinococcosis simulating an ovarian cyst pregnant woman] Andreev D, et al.
Khirurgiia (Sofiia) 26:186, 1973 (E
[Value of ultrasonics in diagnosis of polycystic ovari Kun L, et al.
Geburtshilfe Frauenheilkd 33:452-4, Jun 73 (E Abstr.) (G
[Leiomyoma of the stomach simulating an ovarian c Shobat DN. **Klin Khir** 12:51-2, Dec 72 (R

DRUG THERAPY

Oestrogen excretion in two cows with cystic ova through periods of frequent rectal palpations after HCG--progesterone therapy. Lunaas T, et
Nord Vet Med 24:177-80, Apr 73

ETIOLOGY

[Damage in the development of ovarian cyc regulatory mechanisms by human chorionic

gonadotropin] Presl J.
Cesk Gynekol 38:109-10, 1973 **(Cze)**

PATHOLOGY

Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Lunaas T, et al. **Nord Vet Med** 24:177-80, Apr 73
Parasitized dermoid cyst of the omentum. Ekbladh LE, et al. **Obstet Gynecol** 42:458-60, Sep 73
The value of impulse cytophotometry in the examination of ascitic fluid, contents of cysts and secretions from the cul-de-sac] Bothmann G, et al. **Geburtshilfe Frauenheilkd** 33:483-91, Jun 73 (Eng. Abstr.) **(Ger)**
Corpus luteum cyst in cattle. Micromorphology and discussion on its origin] Horstmann G, et al. **Zentralbl Veterinaermed** [A] 20:292-304, May 73 (Eng. Abstr.) **(Ger)**
[Idiopathic rupture of a giant endometrial cyst of the ovary] Slupczyński S.
Pol Tyg Lek 28:868-9, 4 Jun 73 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Physiology of the ovary. 3] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 4:51-68, 1973 (Eng. Abstr.) **(Spa)**

SURGERY

Parasitized dermoid cyst of the omentum. Ekbladh LE, et al. **Obstet Gynecol** 42:458-60, Sep 73
Gangrene of the uterus and its sequelae. Jones RA. **S Afr Med J** 47:1327-30, 28 Jul 73
Giant ovarian cysts in young girls] Sternadel Z, et al. **Ginekol Pol** 44:707-11, Jun 73 (Eng. Abstr.) **(Pol)**

VETERINARY

Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Lunaas T, et al. **Nord Vet Med** 24:177-80, Apr 73
Corpus luteum cyst in cattle. Micromorphology and discussion on its origin] Horstmann G, et al. **Zentralbl Veterinaermed** [A] 20:292-304, May 73 (Eng. Abstr.) **(Ger)**

OVARIAN DISEASES

The syndrome of thecal insufficiency. Diagnosis; clinical manifestations; therapy] Jayle MF.
Cah Med 14:171-3, Mar 73 **(Fre)**
Puberty retardation in males and females] Vague J, et al.
Probl Actuels Endocrinol Nutr 16:121-8, 3 May 73 **(Fre)**

CHEMICALLY INDUCED

Complications following gonadotropin treatment of sterility] Ladygin E, et al.
Ginekol Pol 43:491-6, Apr 72 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Dysfunctional uterine bleeding. Barry A.
J Ir Med Assoc 66:287-90, 9 Jun 73
Repeated abortive pregnancy] Mastboom JL.
Ned Tijdschr Geneeskd 117:740-3, 12 May 73 **(Dut)**

DIAGNOSIS

H-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al.
Acta Endocrinol [Suppl] **(Kbh)** 173:89, 1973
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
Twenty-four year old girl with recurrent abdominal pain. **SD J Med** 26:25-9, Jul 73
Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 **(Fre)**
Analysis of difficulties and errors in the diagnosis of acute appendicitis] Nechiporuk VM, et al.
Klin Khir 2:53-7, Feb 73 **(Rus)**

DRUG THERAPY

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] **(Kbh)** 173:90, 1973
Bacteroides and puerperal infections. Bosio BB Jr, et al.
Obstet Gynecol 42:271-5, Aug 73

ETIOLOGY

Dysfunctional uterine bleeding. Barry A.
J Ir Med Assoc 66:287-90, 9 Jun 73
Bacteroides and puerperal infections. Bosio BB Jr, et al.
Obstet Gynecol 42:271-5, Aug 73
Beta-hemolytic streptococcus in a population of antepartum patients. Sokol RJ, et al.
Obstet Gynecol 42:227-32, Aug 73
An unexpected abdominal mass. Thomas M.
Postgrad Med J 49:61-2, Jan 73

METABOLISM

Variations in thyroid status of the buffalo during the estrous cycle, pregnancy and in conditions of ovarian abnormalities. Soliman FA, et al.
Zentralbl Veterinaermed [A] 20:324-31, May 73

PATHOLOGY

Twenty-four year old girl with recurrent abdominal pain. **SD J Med** 26:25-9, Jul 73

SURGERY

Bacteroides and puerperal infections. Bosio BB Jr, et al.
Obstet Gynecol 42:271-5, Aug 73

VETERINARY

Variations in thyroid status of the buffalo during the estrous cycle, pregnancy and in conditions of ovarian abnormalities. Soliman FA, et al.
Zentralbl Veterinaermed [A] 20:324-31, May 73

OVARIAN NEOPLASMS

Leiomyomatosis peritonealis disseminata: a case report. Crosland DB.
Am J Obstet Gynecol 117:179-81, 15 Sep 73
Experimental approaches to endometrial and ovarian cancer. Brush MG. **Postgrad Med J** 49:73-6, Feb 73
Ovarian cancer: some new analytical approaches. Griffiths K, et al. **Postgrad Med J** 49:69-72, Feb 73
Ovarian cancer clinical survey. Harcus AW.
Postgrad Med J 49:81-2, Feb 73
Use of ultrasonography to follow regression of theca lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73
[Metastatic cancer of the small intestine and colon] Mathieu I. **J Belge Radiol** 56:149-50, Mar-Apr 73 **(Fre)**
[Diagnostic and therapeutic problems of ovarian endometriosis] Pont'uch A, et al.
Cesk Gynekol 38:20-1, 1973 **(Slo)**

BLOOD

Plasma estrogens in postmenopausal women. Rader MD, et al. **Am J Obstet Gynecol** 116:1069-73, 15 Aug 73

CHEMICALLY INDUCED

A new model for inducing malignant ovarian tumours in rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 73
Sensitivity of feeding tests in detecting carcinogenic properties in chemicals: examination of 7,12-dimethylbenz(a)anthracene and oxidized linoleate. Cutler MG, et al.
Food Cosmet Toxicol 11:443-57, Jun 73
Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. **J Natl Cancer Inst** 51:209-24, Jul 73

CLASSIFICATION

[Perspectives for the surgical treatment of ovarian neoplasms] Nowosad K.
Ginekol Pol 44:805-7, Jul 73 **(Pol)**

COMPLICATIONS

Ovarian metastases from colorectal carcinoma. Knoepp LF Jr, et al. **Dis Colon Rectum** 16:305-11, Jul-Aug 73
Androblastoma of the ovary with heterotopic elements. Hayes DM, et al. **J Pathol** 109:267-70, Mar 73
Effects of rapid paracentesis. Cardiovascular dynamics and body fluid composition. Cruikshank DP, et al. **JAMA** 225:1361-2, 10 Sep 73
The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma. Benisch BM, et al. **Mt Sinai J Med NY** 40:689-92, Sep-Oct 73
Ovarian lutein cysts in pregnancy. Caspi E, et al. **Obstet Gynecol** 42:388-98, Sep 73
Metastatic tumors of the oral soft tissues. Review of the literature and report of a case. Hatziotis JC, et al. **Oral Surg** 36:544-50, Oct 73 (48 ref.)
[Perforated dysgerminoma of the ovary as a case of acute abdomen] Volnohradský R. **Rozhl Chir** 52:492-4, Jul 73 (Eng. Abstr.) (Cze)
[Tubal adenocarcinoma] Taurelle R, et al. **Maroc Med** 52:632-6, Nov 72 (Fre)
[Endometrioid tumors of the ovary associated with primary epithelioma of the endometrium] Boivin Y, et al. **Union Med Can** 101:258-64, Feb 72 (Eng. Abstr.) (Fre)
[Slow viruses and the central nervous system. I] Bauer S. **Nervenarzt** 44:337-51, Jul 73 (Ger)
[Precocious pseudo-puberty due to ovarian folliculoma in a 16-month-old girl] Rondanini GB, et al. **Minerva Pediatr** 24:479-86, 7 Apr 72 (Eng. Abstr.) (Ita)
[Pseudo-premature puberty in a 16-month-old girl in the course of an estrogen-secreting ovarian tumor] Mazurek A, et al. **Pediatr Pol** 48:761-4, Jun 73 (Pol)

DIAGNOSIS

Cytologic detection of minute ovarian, endometrial and breast carcinomas, with emphasis on clinical-pathological approaches. Masukawa T, et al. **Acta Cytol (Baltimore)** 17:316-9, Jul-Aug 73
Serum lactic dehydrogenase levels in the diagnosis and treatment of carcinoma of the ovary. Awais GM. **Am J Obstet Gynecol** 116:1053-7, 15 Aug 73
The significance of primary malignant tumors of the small bowel in gynecologic practice: a report of two cases. Chan WF, et al. **Am J Obstet Gynecol** 117:286-8, 15 Sep 73
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al. **Am J Obstet Gynecol** 117:400-6, 1 Oct 73
Solid teratomas of the ovary. Wisniewski M, et al. **Cancer** 32:440-6, Aug 73
Endometrial cytology on jet wash material. Bibbo M, et al. **J Reprod Med** 8:90-6, Feb 72
Ovarian lutein cysts in pregnancy. Caspi E, et al. **Obstet Gynecol** 42:388-98, Sep 73
Sonic differentiation of cysts and homogeneous solid masses. Birnholz JC. **Radiology** 108:699-702, Sep 73
[Metastases of malignant ovarian neoplasms] Hořejší J. **Cesk Gynekol** 38:460-4, Jul 73 (Cze)
[Clinical problems of endometriosis] Novák F, et al. **Cesk Gynekol** 38:21-2, 1973 (Cze)
[The value of impulse cytophotometry in the examination of ascitic fluid, contents of cysts and secretions from the cul-de-sac] Bothmann G, et al. **Geburtshilfe Frauenheilkd** 33:483-91, Jun 73 (Eng. Abstr.) (Ger)
[Lymphography in gynecologic neoplasms and in neoplasm recurrence] Köhler K, et al. **Radiobiol Radiother (Berl)** 14:241-5, 1973 (Eng. Abstr.) (Ger)
[Pseudo Meigs' Syndrome] Ledermair O, et al. **Wien Med Wochenschr** 123:445-7, 30 Jun 73 (Ger)
[2 cases of giant tumors in the course of advanced pregnancy] Kotzbach R, et al. **Wiad Lek** 26:1177-81, 15 Jun 73 (Eng. Abstr.) (Pol)
[Teratoid tumors of the ovaries in children] Melikov AM, et al. **Akush Ginekol (Mosk)** 48:60-3, Oct 72 (Rus)
[Diagnostic and therapeutic problems of ovarian endometriosis] Pont'uch A, et al. **Cesk Gynekol** 38:20-1, 1973 (Slo)

DRUG THERAPY

Malignant ovarian tumors in children. Ein SH. **J Pediatr Surg** 8:539-42, Aug 73
Chromosomes in malignant gynaecological effusions. Olinici CD, et al. **Neoplasma** 20:311-24, 1973
Experimental approaches to endometrial and ovarian cancer. Brush MG. **Postgrad Med J** 49:73-6, Feb 7
Ovarian cancer clinical survey. Harcus AW. **Postgrad Med J** 49:81-2, Feb 73
Statistical aspects of a co-operative trial on th treatment of ovarian carcinoma. MacRae KD. **Postgrad Med J** 49:78-80, Feb 73
Gynecologic oncology. Lewis GC Jr. **Semin Drug Treat** 3:101-16, Summer 73
[Therapeutic problems of ovarian endometriosis Paukovic J, et al. **Cesk Gynekol** 38:37-8, 1973 (Cze
[Experiences on in vitro testing of cytostatic sensitivity (oncobiogram) in gynecological tumors Krafft W, et al. **Arch Geschwulstforsch** 41:241-7, 1973 (Eng. Abstr (Ger
[Favorable course in carcinoma patients due t additional phenothiazine therapy] Eicke WJ. **Med Klin** 68:1015-8, 27 Jul 73 (Eng. Abstr.) (Ger
[Functional state of the adrenal cortex in malignar tumors of the ovaries during thio-TEPA treatment Pankov AK, et al. **Vopr Onkol** 19:31-5, 1973 (Eng. Abstr.) (Ru

EMBRYOLOGY

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug 7

ENZYMOLOGY

Serum lactic dehydrogenase levels in the diagnosis ar treatment of carcinoma of the ovary. Awais GI **Am J Obstet Gynecol** 116:1053-7, 15 Aug 73
[Cytochrome oxidase histochemistry in cilioepitheli cystomas undergoing malignant change] Kasab'ian S et al. **Akush Ginekol (Mosk)** 48:66-7, Oct 72 (Ru

ETIOLOGY

A new model for inducing malignant ovarian tumours rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 7
Ovarian cancer: some new analytical approache Griffiths K, et al. **Postgrad Med J** 49:69-72, Feb

FAMILIAL & GENETIC

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug
Further data on the common origin of variou stem-lines in human tumors. Olinici CD. **Cytologia (Tokyo)** 38:271-6, Jun 73
Chromosomes in malignant gynaecological effusion Olinici CD, et al. **Neoplasma** 20:311-24, 1973

IMMUNOLOGY

Immunotherapy of ovarian carcinoma. An experimental model. Order SE, et al. **Cancer** 32:573-9, Sep 73
Common antigenic component in ovarian carcinoma demonstration by double diffusion and immunofluorescence techniques. Dorsett BH, et **Immunol Commun** 2:173-84, 1973

METABOLISM

Ectopic aldosterone production. Todesco S, et **Lancet** 2:443, 25 Aug 73
Experimental approaches to endometrial and ovari cancer. Brush MG. **Postgrad Med J** 49:73-6, Feb
The use of oestradiol uptake and binding-site studies endometrial and ovarian carcinoma. Taylor RW, et **Postgrad Med J** 49:77, Feb 73
[Pseudo-premature puberty in a 16-month-old girl the course of an estrogen-secreting ovarian tum Mazurek A, et al. **Pediatr Pol** 48:761-4, Jun 73 (P

MORTALITY

Investigation on the epidemiological significance detailed cancer data--preliminary results. Steinitz et al. **Recent Results Cancer Res** 39:7-28, 1

OCCURRENCE

Ovarian cancer. Stein JJ. **J Ky Med Assoc** 71:435-8, Jul
Investigation on the epidemiological significance detailed cancer data--preliminary results. Steinitz et al. **Recent Results Cancer Res** 39:7-28, 1
Gestational choriocarcinoma of the tube and ova

U. OF I. URBANA-CHAMPAIGN

Patton GW Jr, et al.
Surg Gynecol Obstet 137:608-12, Oct 73
[Frequency of other malignant neoplasm in patients with uterine cancer] Cześnin K.
Nowotwory 23:211-9, Jan-Jun 73 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The effects of radiation upon the cytology of benign and malignant bladder epithelia. Loveless KJ.
Acta Cytol (Baltimore) 17:355-60, Jul-Aug 73
Cytologic detection of minute ovarian, endometrial and breast carcinomas, with emphasis on clinical-pathological approaches. Masukawa T, et al.
Acta Cytol (Baltimore) 17:316-9, Jul-Aug 73
Solid teratomas of the ovary. Wisniewski M, et al.
Cancer 32:440-6, Aug 73
Ovarian metastases from colorectal carcinoma. Knoepp LF Jr, et al. **Dis Colon Rectum** 16:305-11, Jul-Aug 73
Common antigenic component in ovarian carcinomas: demonstration by double diffusion and immunofluorescence techniques. Dorsett BH, et al.
Immunol Commun 2:173-84, 1973
An ultrastructural study of the nature and origin of the Brenner tumour of the ovary. Cummins PA, et al.
J Pathol 110:167-76, Jun 73
An ultrastructural study of the endometrioid adenocarcinoma of the ovary. Fox H, et al.
J Pathol 109:pix, Jan 73
Androblastoma of the ovary with heterotopic elements. Hayes DM, et al. **J Pathol** 109:267-70, Mar 73
Pigmented progonoma in a dermoid cyst of the ovary. Sinniah R, et al. **J Pathol** 109:357-9, Apr 73
Endometrial cytology on jet wash material. Bibbo M, et al. **J Reprod Med** 8:90-6, Feb 72
Pathology of skin structures in dermoid cyst of ovary. Kondo M. **Jap J Dermatol [B]** 82:58-71, Jun 72
Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al.
Lab Invest 29:81-9, Jul 73
Ectopic aldosterone production. Todesco S, et al.
Lancet 2:443, 25 Aug 73
The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma. Benisch BM, et al.
Mt Sinai J Med NY 40:689-92, Sep-Oct 73
Metastatic and secondary tumors of the vulva. Dehner LP. **Obstet Gynecol** 42:47-57, Jul 73
Ovarian cancer: some new analytical approaches. Griffiths K, et al. **Postgrad Med J** 49:69-72, Feb 73
Gestational choriocarcinoma of the tube and ovary. Patton GW Jr, et al.
Surg Gynecol Obstet 137:608-12, Oct 73
Endometrioid tumors of the ovary associated with primary epithelioma of the endometrium] Boivin Y, et al.
Union Med Can 101:258-64, Feb 72 (Eng. Abstr.) **(Fre)**
The value of impulse cytophotometry in the examination of ascitic fluid, contents of cysts and secretions from the cul-de-sac] Bothmann G, et al.
Geburtshilfe Frauenheilkd 33:483-91, Jun 73 (Eng. Abstr.) **(Ger)**
Pseudo Meigs' Syndrome] Ledermair O, et al.
Wien Med Wochenschr 123:445-7, 30 Jun 73 **(Ger)**
Epicritical views on a fatal destructive hydatidiform mole] Schmid KO, et al.
Zentralbl Gynaekol 95:753-64, 1 Jun 73 **(Ger)**

PHYSIOPATHOLOGY

Functional state of the adrenal cortex in malignant tumors of the ovaries during thio-TEPA treatment] Pankov AK, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Papanicolaou smears. **S Afr Med J** 47:1336, 4 Aug 73

RADIOGRAPHY

Lymphography in the differential diagnosis of an intra-gastric tumor] Matýšek P, et al.
Cesk Gynekol 38:438-9, Jul 73 **(Cze)**
Conventional roentgen diagnosis of the retroperitoneal space in neoplasm after care] Taubert W, et al. **Z Aerztl Fortbild (Jena)** 67:560-4, Jun 73 **(Ger)**

RADIOTHERAPY

The effects of radiation upon the cytology of benign and malignant bladder epithelia. Loveless KJ.
Acta Cytol (Baltimore) 17:355-60, Jul-Aug 73
Serum lactic dehydrogenase levels in the diagnosis and treatment of carcinoma of the ovary. Awais GM.
Am J Obstet Gynecol 116:1053-7, 15 Aug 73
Ovarian cancer. Stein JJ. **J Ky Med Assoc** 71:435-8, Jul 73
Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73
Serum magnesium fall in radiation-induced gastrointestinal symptomatology. Nichini FM, et al.
Radiology 108:413-5, Aug 73
[Favorable course in carcinoma patients due to additional phenothiazine therapy] Eicke WJ.
Med Klin 68:1015-8, 27 Jul 73 (Eng. Abstr.) **(Ger)**

SURGERY

Solid teratomas of the ovary. Wisniewski M, et al.
Cancer 32:440-6, Aug 73
Ovarian metastases from colorectal carcinoma. Knoepp LF Jr, et al. **Dis Colon Rectum** 16:305-11, Jul-Aug 73
Ovarian cancer. Stein JJ. **J Ky Med Assoc** 71:435-8, Jul 73
Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73
Ovarian cancer clinical survey. Harcus AW.
Postgrad Med J 49:81-2, Feb 73
Gynecologic oncology. Lewis GC Jr.
Semin Drug Treat 3:101-16, Summer 73
[Favorable course in carcinoma patients due to additional phenothiazine therapy] Eicke WJ.
Med Klin 68:1015-8, 27 Jul 73 (Eng. Abstr.) **(Ger)**
[Pseudo Meigs' Syndrome] Ledermair O, et al.
Wien Med Wochenschr 123:445-7, 30 Jun 73 **(Ger)**
[Perspectives for the surgical treatment of ovarian neoplasms] Nowosad K.
Ginekol Pol 44:805-7, Jul 73 **(Pol)**
[Diagnostic and therapeutic problems of ovarian endometriosis] Pont'uch A, et al.
Cesk Gynekol 38:20-1, 1973 **(Slo)**

THERAPY

Serum lactic dehydrogenase levels in the diagnosis and treatment of carcinoma of the ovary. Awais GM.
Am J Obstet Gynecol 116:1053-7, 15 Aug 73
Immunotherapy of ovarian carcinoma. An experimental model. Order SE, et al.
Cancer 32:573-9, Sep 73
Ovarian cancer. Stein JJ. **J Ky Med Assoc** 71:435-8, Jul 73
[Teratoid tumors of the ovaries in children] Melikov AM, et al. **Akush Ginekol (Mosk)** 48:60-3, Oct 72 **(Rus)**

VETERINARY

Neoplasms and proliferative lesions in 1065 nonhuman primate necropsies. Seibold HR, et al.
Lab Anim Sci 23:533-9, Aug 73

OVARY

ABNORMALITIES

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
Anencephaly: a review. Nakano KK.
Arkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)
Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72
[The Mayer-Rokitansky-Küster syndrome] Markarova OS.
Akush Ginekol (Mosk) 48:26-9, Oct 72 (Eng. Abstr.) **(Rus)**

PSEUDOHERMAPHRODITISM

Male pseudohermaphroditism in a patient with E-trisomy syndrome. Fluge G, et al.
Acta Paediatr Scand 62:440-4, Jul 73

BLOOD

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite.

Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973

ENZYMOLOGY

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973

ETIOLOGY

Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase deficiency? Knorr D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:37, 1973

[Female pseudohermaphroditism due to adrenal influence] Mastrantonio P, et al.
Arch Ostet Ginecol 77:264-84, Jul-Aug 72 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase deficiency? Knorr D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:37, 1973

[Developmental abnormalities of gonads] Jirásek JE.
Cesk Gynekol 38:98-100, 1973 (Cze)

PATHOLOGY

Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril 24:877-86, Sep 73**

Ultrastructure of the pseudohermaphrodite rat testis. Russell LD, et al.
Z Zellforsch Mikrosk Anat 140:473-9, 16 Jul 73

PHYSIOPATHOLOGY

Effects of adrenocorticotropic hormone and gonadotropins on urinary 17-ketosteroid production in the male pseudohermaphrodite rat. Chung KW, et al. **Fertil Steril 24:877-86, Sep 73**

URINE

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973

VETERINARY

[Left vena cava cranialis without a corresponding vein on the right side in a domestic goat] Waibl H.
Berl Munch Tieraerztl Wochenschr 86:171-4, 1 May 73 (Eng. Abstr.) (Ger)

PUBERTY, PRECOCIOUS

The functional significance of "episodic" LH secretion. Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973

Hirsutism: a review of the genetic and experimental aspects. Muller SA.
J Invest Dermatol 60:457-74, Jun 73 (150 ref.)

Definition of the Russell-Silver syndrome. Szalay GC.
Pediatrics 52:309-10, Aug 73

[Precocious puberty and tumors of the 3rd ventricle] Faivre J, et al.
Probl Actuels Endocrinol Nutr 16:201-48, 3 May 73 (Fre)

[Present problems raised by essential precocious puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May 73 (Fre)

BLOOD

Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay. Hasan SH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:168, 1973

CHEMICALLY INDUCED

Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et a
Neuroendocrinology 12:257-71, 1973

COMPLICATIONS

Cyproterone acetate in the treatment of infantil adrenogenital syndrome with precocious pubert Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973

Hypothyroidism and precocious sexual developmen another case. Comas AP. **Pediatrics 52:149-50, Jul 7**

[The normal and disturbed prepuberal development the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr (Ge

DIAGNOSIS

[Present problems raised by essential precocio puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May (Fr

DRUG THERAPY

Cyproterone acetate in the treatment of infanti adrenogenital syndrome with precocious pubert Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973

Evaluation of the effectiveness of treatment on adu height prognosis in disorders with advanced ar retarded bone age. Height and height velocity relate to chronological or to bone age. Bossi E, et a
Acta Paediatr Scand 62:401-4, Jul 73

Improvement of adult height prognosis in precocio puberty by cyproterone acetate. Bossi E, et a
Acta Paediatr Scand 62:405-12, Jul 73

[Present problems raised by essential precocio puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May (Fr

ETIOLOGY

Evaluation of the effectiveness of treatment on adu height prognosis in disorders with advanced ar retarded bone age. Height and height velocity relate to chronological or to bone age. Bossi E, et a
Acta Paediatr Scand 62:401-4, Jul 73

[Precocious pseudo-puberty due to ovarian folliculon in a 16-month-old girl] Rondanini GB, et al.
Minerva Pediatr 24:479-86, 7 Apr 72 (Eng. Abstr.) (It

[Pseudo-premature puberty in a 16-month-old girl the course of an estrogen-secreting ovarian tumo Mazurek A, et al. **Pediatr Pol 48:761-4, Jun 73 (Po**

PHYSIOPATHOLOGY

Effect of synthetic luteinizing hormone-releasin hormone (LH-RH) on the release of gonadotropins hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and prematu thelarche. Job JC, et al.
Biomedicine [Express] 19:77-81, 10 Feb 73

Radioimmunoassay of plasma LH and FSH in selecte endocrine disorders. Isidori A, et al.
Folia Endocrinol (Roma) 25:127-34, Apr 72

[Present problems raised by essential precocio puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May (Fr

URINE

Improvement of adult height prognosis in precocio puberty by cyproterone acetate. Bossi E, et
Acta Paediatr Scand 62:405-12, Jul 73

SERTOLI CELL TUMOR

PATHOLOGY

Ultrastructure of a human chorionic gonadotropin-a adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et
Lab Invest 29:81-9, Jul 73

VETERINARY

[Sertoli cell tumor in the testis of a 19-year-old do

Schneck G.
Dtsch Tieraerztl Wochenschr 80:209-10, 1 May 73 (Eng. Abstr.) **(Ger)**

SEX CHROMOSOME ABNORMALITIES

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al.
Acta Endocrinol (Kbh) 73:396-406, Jun 73
LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973
Multiple congenital defects associated with 45,XO-46,XYg- mosaicism. Surana RB, et al.
Am J Dis Child 126:75-7, Jul 73
Human aggression and the extra Y chromosome. Fact or fantasy? Jarvik LF, et al.
Am Psychol 28:674-82, Aug 73
Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973
The significance of dermatoglyphics in medicine. A short survey and summary. Holt SB.
Clin Pediatr (Phila) 12:471-84, Aug 73
Occurrence of XYY individuals among juvenile delinquents in Hungary. Kovàcs M, et al.
Humangenetik 18:85-7, 23 Mar 73
The mortality of human XO embryos. Santesson B, et al.
J Reprod Fertil 34:51-5, Jul 73
XXY son of a possibly XX-XXX mother. Baikie AG, et al. **Lancet** 1:697-8, 25 Mar 72
Leukaemia and loss of Y chromosome. Grozdea J, et al.
Lancet 2:506, 1 Sep 73
XO-XY mosaicism and nonfluorescent Y chromosome. Khudr G, et al. **Obstet Gynecol** 42:421-8, Sep 73
Malformation syndromes in human genetic disease. Nyhan WL. **Plast Reconstr Surg** 52:237-45, Sep 73
[Long Y chromosome (Yq+) and phenotype abnormalities. Fluorescence study] Giraud F, et al.
Pediatrie 28:171-83, Mar 73 **(Fre)**
[An unusual case of corporeal dysmorphism with XXYY diploidy] Ferramosca B, et al.
Folia Endocrinol (Roma) 25:161-73, Apr 72 (Eng. Abstr.) **(Ita)**

BLOOD

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973

COMPLICATIONS

Childhood of males with the XYY syndrome. Nielsen J, et al. **J Autism Child Schizo** 3:5-26, Jan-Mar 73
Genetic disorders associated with mental retardation. Clinical aspects. Scott CI Jr, et al.
Pediatr Clin North Am 20:121-40, Feb 73 (123 ref.)
The interplay of biological and environmental factors in a preschool-age patient with Klinefelter's syndrome. Case report. Campbell M, et al.
Pediatrics 52:29-37, Jul 73
[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Cause and occurrence of freemartinism in domestic animals] Adrich S.
Dtsch Tieraerztl Wochenschr 80:408-10 contd, 1 Sep 73 **(Ger)**
[Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Dermatoglyphic studies of the 47,XYY male. Hubbell HR, et al. **Clin Genet** 4:145-57, 1973
[Ring chromosomes in mosaicism 46, XY, Cr-46, XY] Ferrier S, et al.
Arch Genet (Zur) 46:1-14, 1973 (Eng. Abstr.) **(Fre)**
[Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) **(Ita)**
[Identification of the sex chromosome formula in granulocytes of the peripheral blood] Dallapiccola B.
Haematologica (Pavia) 58:219-26, 1973 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Dermatoglyphic studies of the 47,XYY male. Hubbell HR, et al. **Clin Genet** 4:145-57, 1973
[Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Seasonal variation in the birth of children with aneuploid chromosome abnormalities. Report from the Danish Cytogenetic Central Register. Nielsen J, et al. **Humangenetik** 19:67-74, 1973

PATHOLOGY

[An unusual case of corporeal dysmorphism with XXYY diploidy] Ferramosca B, et al.
Folia Endocrinol (Roma) 25:161-73, Apr 72 (Eng. Abstr.) **(Ita)**
[Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Rib anomalies in men in corrective institutions (radiological and cytogenetic study)] Lavičková E, et al. **Sb Lek** 75:272-5, Sep 73 (Eng. Abstr.) **(Cze)**

VETERINARY

[Cause and occurrence of freemartinism in domestic animals] Adrich S.
Dtsch Tieraerztl Wochenschr 80:408-10 contd, 1 Sep 73 **(Ger)**

SEX DIFFERENTIATION DISORDERS

Sex differences in newborns with special reference to differences in the organization of oral behavior. Korner AF.
J Child Psychol Psychiatry 14:19-29, Mar 73

DIAGNOSIS

[Factors of imperfect sexual differentiation] Hynie J.
Cesk Psychiatr 69:72-9, Apr 73 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

SURGERY

Pediatric surgery. 3. Hendren WH.
N Engl J Med 289:562-8, 13 Sep 73 (103 ref.)

STEIN-LEVENTHAL SYNDROME

BLOOD

Daily serum follicle-stimulating hormone, luteinizing hormone, and plasma testosterone and androstenedione in hirsute women with polycystic sclerotic ovaries: effects of diethylstilbestrol and norethindrone acetats. Daane TA, et al.
Am J Obstet Gynecol 117:392-9, 1 Oct 73

DIAGNOSIS

Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72
[Value of ultrasonics in diagnosis of polycystic ovaries]

Kun L, et al.
Geburtshilfe Frauenheilkd 33:452-4, Jun 73 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Enzyme defects in steroid hormone biosynthesis] Graef V.
Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.) **(Ger)**

METABOLISM

Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al.
Am J Obstet Gynecol 117:194-200, 15 Sep 73
Oxygen and glucose uptake, and lactate production in polycystic rat ovary. Surwillo BO, et al.
Endocrinology 93:852-9, Sep 73

PHYSIOPATHOLOGY

Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al.
Folia Endocrinol (Roma) 25:127-34, Apr 72
Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al.
J Clin Invest 52:2617-28, Oct 73
Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al.
Obstet Gynecol 42:429-40, Sep 73
[Mechanism of action of cuneiform resection of the ovaries in a patient with Stein-Leventhal syndrome: effect of gonadotropin secretion] Zárate A, et al.
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Radiographic measurement of ovarian size. Thomas ML, et al.
Acta Radiol [Diagn] (Stockh) 14:251-6, Mar 73

SURGERY

[Value of ultrasonics in diagnosis of polycystic ovaries] Kun L, et al.
Geburtshilfe Frauenheilkd 33:452-4, Jun 73 (Eng. Abstr.) **(Ger)**
[Mechanism of action of cuneiform resection of the ovaries in a patient with Stein-Leventhal syndrome: effect of gonadotropin secretion] Zárate A, et al.
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abstr.) **(Spa)**

URINE

Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72

STRUMA OVARII

COMPLICATIONS

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al.
Acta Endocrinol (Kbh) 73:266-72, Jun 73
[On a case of basedowiform struma ovarii] Atanasiu D, et al.
Rev Med Chir Soc Med Nat Iasi 77:359-61, Apr-Jun 73 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al.
Acta Endocrinol (Kbh) 73:266-72, Jun 73
[On a case of basedowiform struma ovarii] Atanasiu D, et al.
Rev Med Chir Soc Med Nat Iasi 77:359-61, Apr-Jun 73 (Eng. Abstr.) **(Rum)**

SURGERY

Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan. Brown WW, et al.
Acta Endocrinol (Kbh) 73:266-72, Jun 73
[On a case of basedowiform struma ovarii] Atanasiu I et al.
Rev Med Chir Soc Med Nat Iasi 77:359-61, Apr-Jun 7 (Eng. Abstr.) **(Rum**

TESTICULAR DISEASES

CHEMICALLY INDUCED

Genetic analysis of resistance to cadmium-induce testicular damage in mice. Taylor BA, et al.
Proc Soc Exp Biol Med 143:629-33, Jul 73

COMPLICATIONS

[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origi Gorins A, et al.
Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (En Abstr.) **(Fr**

DIAGNOSIS

[Zinc determination in human sperm] Böttger
Med Welt 24:374-6, 9 Mar 73 **(Ge**

ENZYMOLOGY

[Activity of several acid hydrolases and ascorbic ac level in rat testis during vitamin A deficienc Goubern M, et al.
Ann Nutr Aliment 26:263-89, 1972 (Eng. Abstr.) **(Fr**

ETIOLOGY

Estrogen-androgen imbalance in hepatic cirrhosi Studies in 13 male patients. Chopra IJ, et
Ann Intern Med 79:198-203, Aug 73
Pneumoscrotum: a case report and review of t literature. Castellanos R, et al. **J Urol** 110:225-6, Aug
Ascension of the testis after correction of kyphoscoliosis. Inaba Y, et al. **J Urol** 110:219-20, Aug

FAMILIAL & GENETIC

Genetic analysis of resistance to cadmium-induce testicular damage in mice. Taylor BA, et al.
Proc Soc Exp Biol Med 143:629-33, Jul 73

METABOLISM

[Activity of several acid hydrolases and ascorbic ac level in rat testis during vitamin A deficienc Goubern M, et al.
Ann Nutr Aliment 26:263-89, 1972 (Eng. Abstr.) **(Fr**

PATHOLOGY

Ascension of the testis after correction of kyphoscoliosis. Inaba Y, et al. **J Urol** 110:219-20, Aug
Cystic dysplasia of the testis: a unique congenit anomaly studied by microdissection. Leissring JC, al. **J Urol** 110:362-3, Sep 73

PHYSIOPATHOLOGY

[Age-related dynamics of estrogen excretion in m and its changes in pathological climacteric a hypogonadism] Vartapetov BA, et al.
Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (En Abstr.) **(Ru**

SURGERY

Pneumoscrotum: a case report and review of t literature. Castellanos R, et al. **J Urol** 110:225-6, Aug
Ascension of the testis after correction of kyphoscoliosis. Inaba Y, et al. **J Urol** 110:219-20, Aug

THERAPY

Testicular biopsy in evaluation of male infertilit Meinhard E, et al. **Br Med J** 3:577-81, 15 Sep

TESTICULAR FEMINIZATION

[Androgen insensitivity syndrome] Boczkowski
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(P**
[Syndrome of testicular feminization] Hudcovič A,

al.
Bratisl Lek Listy 59:641-7, Jun 73 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Testicular feminisation and inguinal hernia. Pergament E, et al. **Lancet** 2:740-1, 29 Sep 73
Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72
[Factors of imperfect sexual differentiation] Hynie J.
Cesk Psychiatr 69:72-9, Apr 73 (Eng. Abstr.) **(Cze)**
[Syndrome of testicular feminization] Hudcovič A, et al.
Bratisl Lek Listy 59:641-7, Jun 73 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

[Androgen insensitivity syndrome] Boczkowski K.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

ETIOLOGY

[Androgen insensitivity syndrome] Boczkowski K.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

FAMILIAL & GENETIC

Modification of expression of the testicular feminization (Tfm) gene of the mouse by a "controlling element" gene. Ono S, et al.
Nature [New Biol] 245:92-3, 19 Sep 73

METABOLISM

Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)
The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973

PATHOLOGY

Testicular feminization in the mouse: studies of Leydig cell structure and function. Blackburn WR, et al.
Biol Reprod 9:9-23, Aug 73
The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973
Ultrastructure of the pseudohermaphrodite rat testis. Russell LD, et al.
Z Zellforsch Mikrosk Anat 140:473-9, 16 Jul 73

SURGERY

Testicular feminisation and inguinal hernia. Pergament E, et al. **Lancet** 2:740-1, 29 Sep 73
[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Syndrome of testicular feminization] Hudcovič A, et al.
Bratisl Lek Listy 59:641-7, Jun 73 (Eng. Abstr.) **(Slo)**

URINE

Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72

TESTICULAR NEOPLASMS

The clinical picture and management of testicular tumours. Cade I. **Clin Radiol** 24:385-91, Jul 73

Mammalian cells in culture frequently release type C viruses. Lieber MM, et al. **Science** 182:56-9, 5 Oct 73
[Bilateral testicular dysembryoma] Lacaze J.
J Urol Nephrol (Paris) 19:310-1, Mar 73 **(Fre)**
[Epidemiological and pathological studies of reticulum cell sarcoma in mice (C57BL-Cne x C3H-Cne)F 1] Covelli V, et al.
Tumori 59:97-118, Mar-Apr 73 (Eng. Abstr.) **(Ita)**
[Successfully total lung irradiation in a case of bilateral pulmonary metastasis of testicular seminoma] Inoue T, et al. **Jap J Clin Radiol** 18:429-33, Jun 73 **(Jap)**

CLASSIFICATION

The clinical picture and management of testicular tumours. Cade I. **Clin Radiol** 24:385-91, Jul 73

COMPLICATIONS

[The importance of orbital phlebography in neuro-ophthalmology] Baleriaux-Waha D, et al.
J Belge Radiol 56:85-94, Mar-Apr 73 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A new adjuvant in testis tumor staging: gallium-67 citrate. Bailey TB, et al. **J Urol** 110:307-10, Sep 73
[Percutaneous fine-needle aspiration biopsy and cytology of palpable tumors] Kirstaedter HJ, et al.
Verh Dtsch Ges Inn Med 78:282-5, 1972 **(Ger)**

DRUG THERAPY

Possible role of hormones in treatment of metastatic testicular teratomas: tumour regression with medroxyprogesterone acetate. Bloom HJ, et al.
Br Med J 3:563-7, 15 Sep 73
Mithramycin (mithracin).
Med Lett Drugs Ther 12:86-7, 16 Oct 73

EMBRYOLOGY

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug 73

FAMILIAL & GENETIC

Origin of teratomas. Ashley DJ. **Cancer** 32:390-4, Aug 73
Testicular neoplasms in father and son. Arcadi JA.
J Urol 110:306, Sep 73

MORTALITY

Survival of patients with secondary carcinoma of prostate in the testis. Weitzner S.
Cancer 32:447-9, Aug 73

OCCURRENCE

The clinical picture and management of testicular tumours. Cade I. **Clin Radiol** 24:385-91, Jul 73

PATHOLOGY

Possible role of hormones in treatment of metastatic testicular teratomas: tumour regression with medroxyprogesterone acetate. Bloom HJ, et al.
Br Med J 3:563-7, 15 Sep 73
A new adjuvant in testis tumor staging: gallium-67 citrate. Bailey TB, et al. **J Urol** 110:307-10, Sep 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
Metastatic testicular neoplasm to the kidney. DeWolf W, et al. **Minn Med** 56:783, Sep 73
[Lymphosarcoma of the testis] Abramovici I, et al.
Harefuah 84:595-7, 1 Jun 73 (Eng. Abstr.) **(Heb)**
[Metastasis of a testicular tumor to a fetal adenoma of the thyroid] Manelis G, et al.
Harefuah 84:597-600, 1 Jun 73 (Eng. Abstr.) **(Heb)**

RADIOGRAPHY

Lymphographic findings in a series of 258 patients with tumors of the testes. Roo T de, et al.
Lymphology 6:97-100, Jun 73
Urographic and barium enema appearance in inferior vena caval obstruction. Case report. Amoe HE Jr, et al.
Radiology 108:307-8, Aug 73

[Lymphography of malignant primary tumors] Elke M, et al.
Radiol Clin Biol 42:258-71, 1973 (Eng. Abstr.) **(Ger)**
[Conventional roentgen diagnosis of the retroperitoneal space in neoplasm after care] Taubert W, et al. **Z Aerztl Fortbild (Jena)** 67:560-4, Jun 73 **(Ger)**

RADIOTHERAPY

Testicular neoplasms in father and son. Arcadi JA.
J Urol 110:306, Sep 73
Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
[Prophylactic irradiation of the mediastinum in lymphoma and tumors of the testis] Dana M, et al.
J Radiol Electrol Med Nucl 54:159-65, Feb 73 (Eng. Abstr.) **(Fre)**
[Symposium; application and limitation of radiotherapy] Tsuya A, et al.
J Jap Soc Cancer Ther 8:25-37, 20 Mar 73 **(Jap)**
[Radiation treatment of testicular cancer] Kaneda K.
Jap J Clin Radiol 48:599-600, Aug 73 **(Jap)**
[Case of radiation-induced penile and scrotal elephantiasis with damage to the corpora cavernosa] Wróbel S, et al.
Pol Przegl Chir 45:917-9, Jun 73 (Eng. Abstr.) **(Pol)**

SURGERY

Management of inguinal lymph nodes in patients with testicular tumors following orchiopexy, inguinal or scrotal operations. Herr HW, et al.
J Urol 110:223-4, Aug 73
[Bilateral testicular dysembryoma] Lacaze J.
J Urol Nephrol (Paris) 19:310-1, Mar 73 **(Fre)**
[Case of radiation-induced penile and scrotal elephantiasis with damage to the corpora cavernosa] Wróbel S, et al.
Pol Przegl Chir 45:917-9, Jun 73 (Eng. Abstr.) **(Pol)**
[Recurrent pulmonary thromboembolism in a 33-year-old patient operated on for a testicular tumor]
Medicina (B Aires) 33:150-6, Mar-Apr 73 **(Spa)**

THERAPY

The treatment of pulmonary metastases of malignant teratoma of the testis. Werf-Messing B van der.
Clin Radiol 24:121-3, Jan 73

VETERINARY

[Sertoli cell tumor in the testis of a 19-year-old dog] Schneck G.
Dtsch Tieraerztl Wochenschr 80:209-10, 1 May 73 (Eng. Abstr.) **(Ger)**

TESTIS

ABNORMALITIES

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:167, 1973
Multiple congenital defects associated with 45,XO-46,XYg- mosaicism. Surana RB, et al.
Am J Dis Child 126:75-7, Jul 73
Anencephaly: a review. Nakano KK.
Arkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)
Dysplasia of the anterior abdominal musculature with multiple congenital anomalies. Prune belly or triad syndrome. Adebonojo FO.
J Natl Med Assoc 65:327-33, Jul 73
[The normal and disturbed prepuberal development of the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) **(Ger)**
[Current status in the therapy of cryptorchism] Pasini M, et al.
Lijec Vjesn 95:297-302, Jun 73 (Eng. Abstr.) **(Cro)**

THECA CELL TUMOR

CHEMICALLY INDUCED

A new model for inducing malignant ovarian tumours in rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 73

COMPLICATIONS

Ovarian lutein cysts in pregnancy. Caspi E, et a
Obstet Gynecol 42:388-98, Sep 73

DIAGNOSIS

Ovarian lutein cysts in pregnancy. Caspi E, et a
Obstet Gynecol 42:388-98, Sep 73

ETIOLOGY

A new model for inducing malignant ovarian tumours rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 7

PATHOLOGY

A new model for inducing malignant ovarian tumours rats. Hilfrich J. **Br J Cancer** 28:46-54, Jul 7
Ovarian lutein cysts in pregnancy. Caspi E, et a
Obstet Gynecol 42:388-98, Sep 73

TURNER'S SYNDROME

Malformations of kidney and urinary tract in comm chromosomal aberrations. I. Clinical studies. Egli F, al.
Humangenetik 18:1-15, 23 Mar 73 (301 ref.)
The illusion of widely spaced nipples in the Noonan a the Turner syndromes. Collins E.
J Pediatr 83:557-61, Oct 73
[45,X-46,XY-47,XYY mosaicism in a patient wit Turner's syndrome] Roubin M, et al.
Ann Genet (Paris) 16:123-5, Jun 73 (Eng. Abstr.) **(Fr**
["Genetic counseling"]
Geburtshilfe Frauenheilkd 33:525-40, Jul 73 **(En** Abstr.) **(Ge**
[Case of agonadism] Tanaka Y, et al.
Clin Endocrinol (Tokyo) 21:632-6, Jun 73 **(Ja**
[Value of sex chromatin test in the demonstration chromosomal mosaicism] Binkiewicz B, et al.
Ginekol Pol 43:487-90, Apr 72 (Eng. Abstr.) **(Po**

COMPLICATIONS

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73
Turner's syndrome with endometrial adenocarcinon and stilbestrol therapy. Wilkinson EJ, et al.
Obstet Gynecol 42:193-200, Aug 73
Ureteral triplication. Perkins PJ, et al.
Radiology 108:533-8, Sep 73
[Turner's syndrome and associated skin diseases] Ra M, et al.
Dermatol Monatsschr 158:798-805, Nov 72 **(Ge**
[Incidence of cancer in subjects with congenital acquired chromosome aberrations] Koller PC.
Recent Prog Med (Roma) 54:383-95, May 73 (35 re (Eng. Abstr.) **(It**

DIAGNOSIS

Turner syndrome with partial deletion of the chromosome long arm. Lippe BM, et al.
Am J Dis Child 126:222-4, Aug 73
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
Cuban refugees and missing c triradii. Schindeler
Lancet 2:323, 11 Aug 73
Primary amenorrhoea. A study based on clinic examination, chromosomal analysis, endocrine ass and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72
[The diagnostic pattern of phenotypic Turner' syndrome] Frand M, et al.
Harefuah 84:493-5, 1 May 73 (Eng. Abstr.) **(He**

DRUG THERAPY

Turner's syndrome with endometrial adenocarcinor and stilbestrol therapy. Wilkinson EJ, et al.
Obstet Gynecol 42:193-200, Aug 73

ETIOLOGY

Genetic disorders associated with mental retardatic Clinical aspects. Scott CI Jr, et al.
Pediatr Clin North Am 20:121-40, Feb 73 (123 re

FAMILIAL & GENETIC

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug 73

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

Turner's syndrome with endometrial adenocarcinoma and stilbestrol therapy. Wilkinson EJ, et al.
Obstet Gynecol 42:193-200, Aug 73

[Developmental abnormalities of gonads] Jirásek JE.
Cesk Gynekol 38:98-100, 1973 (Cze)

[Systematic study of Barr bodies in 2500 infants with severe congenital heart defects] Gautier M, et al.
Ann Genet (Paris) 16:67-8, Mar 73 (Eng. Abstr.) (Fre)

[The diagnostic pattern of phenotypic Turner's syndrome] Frand M, et al.
Harefuah 84:493-5, 1 May 73 (Eng. Abstr.) (Heb)

PATHOLOGY

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73

Structural aberrations of the Y chromosome and the corresponding phenotype. Report of a case with the karotype 45,X-46,X,i(Yp). Siebers JW, et al.
Humangenetik 19:57-66, 1973

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug 73

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

PHYSIOPATHOLOGY

Radioimmunoassay of plasma LH and FSH in selected endocrine disorders. Isidori A, et al.
Folia Endocrinol (Roma) 25:127-34, Apr 72

Response to triiodothyronine and dextroamphetamine: a study of preschool schizophrenic children. Campbell M, et al. **J Autism Child Schizo 2:343-58, Oct-Dec 72**

SURGERY

Pure gonadal dysgenesis with bilateral gonadoblastomas. Farber M, et al.
Obstet Gynecol 42:186-92, Aug 73

URINE

Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72

III. Gonadal Hormones, Precursors, Metabolites and Synthetics

ANABOLIC STEROIDS

[Doping] Uehleke H.
Pharm Unserer Zeit 1:123-9, Jul 72 **(Ger)**

ADMINISTRATION & DOSAGE

Hormones and contraception in the male and the relative merits of hormonal control and vasectomy. Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 73

ADVERSE EFFECTS

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)
American Academy of Pediatrics. Joint Committee on Physical Fitness, Recreation and Sports Medicine. Drugs and Sports. **Pediatrics** 52:460-1, Sep 73
[Anabolic steroids and the functional state of the liver] Volkov NF, et al. **Ter Arkh** 44:71-5, Dec 72 **(Rus)**

CHEMICAL SYNTHESIS

Preparation of some 7-oxaandrostane derivatives. Guthrie RW, et al. **J Med Chem** 16:257-62, Mar 73

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al.
Am J Obstet Gynecol 117:121-5, 1 Sep 73
Evaluation of boldenone undecylenate as an anabolic agent in horses. O'Connor JJ, et al.
Can Vet J 14:154-8, Jul 73
Preparation of some 7-oxaandrostane derivatives. Guthrie RW, et al. **J Med Chem** 16:257-62, Mar 73

THERAPEUTIC USE

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)
Problems facing bodybuilders. Weider B.
J Sports Med Phys Fitness 13:131-3, Jun 73
[Research findings on 50 patients with panmyelopathy] Hartwich G, et al.
Med Klin 68:765-71, 8 Jun 73 (Eng. Abstr.) **(Ger)**
[Theapy of panmyelopathy] Lutz H, et al.
Med Klin 68:761-4, 8 Jun 73 (19 ref.) **(Ger)**
[Influence of testosterone and other anabolic steroids on the recurrence rate of surgically treated anterior pituitary adenomas] Roos D, et al.
Verh Dtsch Ges Inn Med 78:172-5, 1972 **(Ger)**
[Bone marrow depression in the course of viral hepatitis] Krykowski E, et al.
Wiad Lek 26:1445-8, 1 Aug 73 (Eng. Abstr.) **(Pol)**
[Role of anabolic steroid hormones in the treatment of experimental tuberculosis] Kashenov T.
Sov Zdravookhr Kirg 3:13-5, May-Jun 72 **(Rus)**

ANDROGENS

The use of deoxyribonucleic acid-cellulose chromatography and isoelectric focusing for the characterization and partial purification of steroid-receptor complexes. Mainwaring WI, et al.
Biochem J 134:113-27, May 73
[Androgen insensitivity syndrome] Boczkowski K.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

ADMINISTRATION & DOSAGE

[Bioavailability of various steroids administered orally] Bruni G, et al.
Boll Chim Farm 112:110-5, Feb 73 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Epidemiology of drugs taken by pregnant women: drugs that may affect the fetus adversely. Forfar J et al. **Clin Pharmacol Ther** 14:632-42, Jul-Aug
Androgen dependence of breast cancers.
Lancet 2:203-4, Jul 73
[Skin diseases induced by hormones] Nishiyama
Clin Endocrinol (Tokyo) 20:845-9, Oct 72 (11 ref (Ja
[Androgens in treatment of acquired bone marro aplasia] Jędrzejczak W.
Wiad Lek 26:535-9, 15 Mar 73 (Eng. Abstr.) (Po

ANTAGONISTS & INHIBITORS

Cyproterone acetate in the treatment of infanti adrenogenital syndrome with precocious pubert Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973
Failure to induce sterility in male rats with continuously released micro-quantities of cyproterone acetate and norgestrel. Elger W, et a
Acta Endocrinol [Suppl] (Kbh) 173:120, 1973
Long-term effect of cyproterone on testosterone leve in male rats. Hasan SH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:119, 1973
Evaluation of the effectiveness of treatment on adu height prognosis in disorders with advanced ar retarded bone age. Height and height velocity relate to chronological or to bone age. Bossi E, et a
Acta Paediatr Scand 62:401-4, Jul 73
Improvement of adult height prognosis in precociou puberty by cyproterone acetate. Bossi E, et a
Acta Paediatr Scand 62:405-12, Jul 73
Adenohypophysial growth and thyroxine bindin effects of steroid hormones. Schreiber V, et a
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 19
Androgen dynamics in vitro in the human prosta gland. Effect of cyproterone and cyproterone acetat Giorgi EP, et al. **Biochem J** 132:465-74, Mar
Comparative effects of castration and antiandroge treatment on the aortas of hypertensive and normotensive male rats. Wolinsky H.
Circ Res 33:183-9, Aug 73
Inhibition of nuclear testosterone 5 alpha-reductase rat ventral prostate by estrogens and anti-androgen Shimazaki J, et al. **Endocrinol Jap** 19:585-8, Dec
Uptake of 3H-testosterone and influence of ar antiandrogen in tissues of rainbow trout (Salm gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73
A new model for studying the effect of drugs c prostatic growth. 1. Antiandrogens and DNA synthesis. Sufrin G, et al. **Invest Urol** 11:45-54, Jul
Current concepts of the action of androgenic steroic on erythropoiesis. Jepson JH, et al.
J Pediatr 83:703-8, Oct 73 (49 ref.)
Female sexual behavior in male rats treated prenatall with an anti-androgen. Ward IL.
Physiol Behav 8:53-6, Jan 72
Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stárka L, al. **Physiol Bohemoslov** 21:233-8, May 72
A study of the effects of a new anti-androgen on th hyperplastic dog prostate. Brooks JR, et al.
Proc Soc Exp Biol Med 143:647-55, Jul 73

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73
Changes in fetal steroid metabolism with age. Ville DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug
Steroid biosynthesis in vitro by dysgenetic ovari induced by neonatal thymectomy in mice. Nishizuk Y, et al. **Endocrinology** 93:786-92, Oct 73
A new index to predict ovulation in the huma Cortés-Gallegos V. **Int J Fertil** 18:93-6, 1973
Androgen biosynthesis by testicular tissue of th desert rodents, Acomys cahirinus and Gerbill

dasyurus. Bedrak E, et al.
J Reprod Fertil 34:93-104, Jul 73
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 **(Fre)**
[Ovarian synthesis of steroid hormones and its periodic changes] Shinada T.
Clin Endocrinol (Tokyo) 21:495-502, May 73 **(Jap)**
[Production of androstadienedione from cholesterol using Proactinomyces asteroides 438] Lebedeva ZhD, et al.
Izv Akad Nauk SSSR [Biol] 4:529-34, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

BLOOD

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:167, 1973
Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al.
J Clin Endocrinol Metab 37:254-60, Aug 73
Plasma calcitonin and gonadal hormones in Japanese quail. Dacke CG, et al. **J Endocrinol** 58:13-4, Jul 73
Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al.
Recent Results Cancer Res 39:177-83, 1972
Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al.
Steroids 22:47-61, Jul 73
Variations in the concentrations of androstenedione in peripheral plasma of women the day and during the menstrual cycle. Lobotsky J, et al.
Steroids 22:133-7, Jul 73
[Extension of the gonad-adrenal gland diagnosis by simultaneous measurement of testosterone, 5A-dihydrotestosterone and androstenediol in the human plasma] Demisch K, et al.
Verh Dtsch Ges Inn Med 78:1535-7, 1972 **(Ger)**
[Male hormones] Sarai K.
Clin Endocrinol (Tokyo) 21:583-6, Jun 73 (24 ref.) **(Jap)**

CHEMICAL SYNTHESIS

Preparation of some 7-oxaandrostane derivatives. Guthrie RW, et al. **J Med Chem** 16:257-62, Mar 73

METABOLISM

Testosterone metabolism in slices and subcellular fractions of human liver. Engelhardt D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:132, 1973
Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Lisboa BP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:139, 1973
Enzymes of androgen metabolism in human leucocytes. Raith L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:137, 1973
Effect of serotonin on placental aromatization. Vlassis G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:78, 1973
The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)
Biotransformation of steroids by the skin. Berliner DL.
Adv Biol Skin 12:357-65, 1972 (36 ref.)
Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)
Metabolism of androst-4-ene-3,17-dione by subcellular fractions of rat adrenal tissue with particular reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al.
Biochem J 132:283-91, Feb 73
Interaction of drugs and steroids with human placental microsomes. Bergheim P, et al.
Biochem Pharmacol 22:1633-45, 1 Jul 73
Androgen metabolism in human neoplastic and normal breast tissue. Miller WR, et al. **Br J Cancer** 28:77, Jul 73
Changes in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73
Increased incorporation of 3H-lysine in specific hypothalamic nuclei following castration in the male rat. Litteria M. **Exp Neurol** 40:309-15, Aug 73
Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al.
J Biol Chem 248:6154-62, 10 Sep 73
Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73
Androgen dependence of breast cancers.
Lancet 2:203-4, Jul 73
Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al.
Recent Results Cancer Res 39:177-83, 1972
The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization. YoungLai EV.
Steroids Lipids Res 4:11-6, 1973
The aromatization of (7 -3H) androstenedione by human placental mitochondria. Renwick AG, et al.
Steroids 22:123-32, Jul 73
[Action of androgens on the incorporation of cytidine in genital tract organs of male mice. I. Effect of castration and androgen implantation in the castrates] Durliat M, et al.
C R Soc Biol (Paris) 166:1578-85, 1972 **(Fre)**
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 **(Fre)**

PHARMACODYNAMICS

Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Lisboa BP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:139, 1973
Effects of drugs and environmental chemicals on steroid metabolism. Conney AH, et al.
Clin Pharmacol Ther 14:727-41, Jul-Aug 73
Pituitary gonadotropins, structure, control and clinical applications. Franchimont P.
Clin Sci 44:1P-2P passim, Feb 73
Comparative study on the erythropoietic effects of androgens and their mode of action. Gorshein D, et al.
J Appl Physiol 35:276-8, Sep 73
Preparation of some 7-oxaandrostane derivatives. Guthrie RW, et al. **J Med Chem** 16:257-62, Mar 73
Non-Gaussian distribution of serum thyroxine levels for euthyroid population. Brookeman VA.
J Nucl Med 14:660-8, Sep 73
Regulation of erythropoiesis by androgens. Gardner FH, et al. **Trans Am Clin Climatol Assoc** 84:60-70, 1973
[Action of androgens on the incorporation of cytidine in genital tract organs of male mice. I. Effect of castration and androgen implantation in the castrates] Durliat M, et al.
C R Soc Biol (Paris) 166:1578-85, 1972 **(Fre)**
[Androgenic hormone and the sympathetic ganglion cells] Kato D. **Yonago Acta Med** 16:172-5, Feb 73 **(Ger)**
[Prostate: on human prostate] Ito Z, et al.
Clin Endocrinol (Tokyo) 21:463-7, May 73 (22 ref.) **(Jap)**

PHYSIOLOGY

The metabolism and binding of testosterone in androgen-dependent and autonomous transplantable mouse mammary tumors. Bruchovsky N, et al.
Cancer Res 33:1689-95, Jul 73
Control of epididymal function. Prasad MR, et al.
J Reprod Fertil [Suppl] 18:215-22, Jul 73 (18 ref.)
The physiology of growth hormone regulation: pre- and postimmunoassay eras. Reichlin S.
Metabolism 22:987-93, Aug 73 (57 ref.)
Neonatal castration and intermale aggression in mice. Peters PJ, et al. **Physiol Behav** 8:265-8, Feb 72
Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al.
Recent Results Cancer Res 39:177-83, 1972
[Androgen insensitivity syndrome] Boczkowski K.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

SECRETION

Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al.
Am J Obstet Gynecol 117:194-200, 15 Sep 73
Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al.
Obstet Gynecol 42:429-40, Sep 73
Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.

Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)

[Male hormones] Sarai K.
Clin Endocrinol (Tokyo) 21:583-6, Jun 73 (24 ref.) (Jap)

THERAPEUTIC USE

Aplastic anaemia-classification and management. Gordon-Smith EC, et al.
Br J Haematol 25:277-8, Aug 73

Short boys. Br Med J 3:245-6, 4 Aug 73

Comparative study on the erythropoietic effects of androgens and their mode of action. Gorshein D, et al.
J Appl Physiol 35:276-8, Sep 73

Current concepts of the action of androgenic steroids on erythropoiesis. Jepson JH, et al.
J Pediatr 83:703-8, Oct 73 (49 ref.)

Androgen dependence of breast cancers.
Lancet 2:203-4, Jul 73

The problems of drug treatment of breast cancer. Perlia CP. Semin Drug Treat 3:87-100, Summer 73

Regulation of erythropoiesis by androgens. Gardner FH, et al. Trans Am Clin Climatol Assoc 84:60-70, 1973

[Androgens in treatment of acquired bone marrow aplasia] Jędrzejczak W.
Wiad Lek 26:535-9, 15 Mar 73 (Eng. Abstr.) (Pol)

URINE

Isolation and characterization of a rare urinary steroid by physico-chemical methods. Voelter W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:141, 1973

Hormones and the aetiology of human breast cancer. Hayward J. Guys Hosp Rep 121:51-61, 1972 (61 ref.)

Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al.
Recent Results Cancer Res 39:177-83, 1972

ANDROSTANES

Evaluation of placental steroid 3-sulfatase and aromatase activities as regulators of estrogen production in human pregnancy. Townsley JD, et al.
Am J Obstet Gynecol 117:345-50, 1 Oct 73

Phase transitions in lipids. Träuble H.
Biomembranes 3:197-227, 1972

Reduction of C19-, C21-, C24-, and C27-3-oxosteroids by rat-liver microsomes. Björkhem I, et al.
Eur J Biochem 36:8-15, 2 Jul 73

[Our experience with Pavulon in pediatric anesthesia] Franco Grande A, et al.
Rev Esp Anestesiol Reanim 20:337-44, Jul 73 (Spa)

[Our experience with pancuronium bromide in digestive surgery] Grau Real F, et al.
Rev Esp Anestesiol Reanim 20:292-6, Jul 73 (Spa)

[Use of pancuronium bromide in 474 general anesthesias] Villoria López J, et al.
Rev Esp Anestesiol Reanim 20:379-82, Jul 73 (Spa)

ADVERSE EFFECTS

Bronchospasm after althesin anaesthesia.
Br Med J 3:291, 4 Aug 73

Pancuronium bromide (continued).
JAMA 226:198-9, 8 Oct 73

[Prolonged paralysis after administration of pancuronium bromide] Salehi E.
Z Prakt Anaesth 7:207-11, Aug 72 (Eng. Abstr.) (Ger)

ANALYSIS

Gas-liquid chromatography of keto- and hydroxyandrostanes. Hiscoe A, et al.
J Chromatogr 81:144-9, 27 Jun 73

A new procedure for inducing fluorescence in quantitative thin-layer chromatography for organic compounds. Smith BG.
J Chromatogr 82:95-100, 18 Jul 73

ANTAGONISTS & INHIBITORS

[Muscle relaxation with pancuronium bromide; an electromyographic study] Aebert K.
Z Prakt Anaesth 7:194-203, Aug 72 (Eng. Abstr.) (Ger)

[Clinical experience with galanthamine (nivalin) as an antidote for pancuronium] Foitzik H, et al.
Z Prakt Anaesth 7:203-7, Aug 72 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

The 5 beta-metabolites of testosterone: mode ar sex-specificity of their formation in the rat live Ghraf R, et al. Acta Endocrinol (Kbh) 73:577-84, Jul

Testosterone metabolism in subcellular fractions of r prostate. Nozu K, et al.
Acta Endocrinol (Kbh) 73:585-98, Jul 73

Steroid biosynthesis by gonads of 7- and 10-day-o chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73

BLOOD

Metabolism and mode of action of androgens in targ tissues of male rats. 3. Metabolism of 5 alpha-androstane-3,17-dione, of 5 alpha-androstane beta,17 beta-diol and of 5 alpha-androstane-3 beta, beta-diol in target organs and peripheral tissue Becker H, et al.
Acta Endocrinol (Kbh) 73:407-16, Jun 73

Binding of 5 -androstane-3,17 -diol to human plasn proteins. Clark AF, et al. J Endocrinol 57:298, May

CHEMICAL SYNTHESIS

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alph yl) propionic acid gamma-lactone, its preparation a antimineralocorticoid activity. Chinn LJ, et al
J Med Chem 16:839-43, Jul 73

Preparation of some 7-oxaandrostane derivative Guthrie RW, et al. J Med Chem 16:257-62, Mar

Some actions of 4,17a-dimethyl-4,17a-diaza-D-homo-5alpha-androsta dimethiodide (HS-342), a new neuromuscular blocking drug. Marshall IG, et al.
J Pharm Pharmacol 25:441-6, Jun 73

METABOLISM

Metabolism and mode of action of androgens in targ tissues of male rats. 3. Metabolism of 5 alpha-androstane-3,17-dione, of 5 alpha-androstane beta,17 beta-diol and of 5 alpha-androstane-3 beta, beta-diol in target organs and peripheral tissue Becker H, et al.
Acta Endocrinol (Kbh) 73:407-16, Jun 73

Testosterone metabolism in slices and subcellul fractions of human liver. Engelhardt D, et
Acta Endocrinol [Suppl] (Kbh) 173:132, 1973

Retention of androgens: a sex characteristic of r liver. Ghraf R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:134, 1973

Metabolism of 5alpha-dihydrotesterone in the r prostate. Plasse JC, et al.
Acta Endocrinol [Suppl] (Kbh) 173:133, 1973

Enzymes of androgen metabolism in human leucocyte Raith L, et al.
Acta Endocrinol [Suppl] (Kbh) 173:137, 1973

In-vitro studies on testosterone and 5alpha-dihydrotestosterone binding in benign prostatic hypertrophy (BPH). Steins P, et al
Acta Endocrinol [Suppl] (Kbh) 173:69, 1973

Sex-specific 15 -hydroxylation of sulpho-conjugated -androstane-3 , 17 -diol in liver microsomes fro female rats. Gustafsson JA, et al.
FEBS Lett 31:292-6, 1 May 73

Regulation of hydroxylation of 5 alpha-androstane beta, 17 beta-diol in liver microsomes from male a female rats. Berg A, et al.
J Biol Chem 248:6559-67, 25 Sep 73

Steroid structure and androgenic activity. Specificiti involved in the receptor binding and nuclea retention of various androgens. Liao S, et a
J Biol Chem 248:6154-62, 10 Sep 73

Metabolism of 3-beta-hydroxy-5-ene steroids by test of rats acclimatized to a hot environment. Bedrak E, al. J Endocrinol 58:207-17, Aug 73

Uptake of androgen analogs by prostate tissue. Kasu Y, et al. J Med Chem 16:832-6, Jul 73

[Modus of hormonal excretion and hormonal effects 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et
Arch Gynaekol 215:157-69, 25 Jun 73 (Eng. Abst (Ge

PHARMACODYNAMICS

Metabolism and mode of action of androgens in targ

tissue of male rats. IV. Mode of action of 5 alpha-androstane-3,17-dione, 5 alpha-androstane-3 alpha,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol at a cellular level on seminal vesicles and prostates of rats. Schmidt H, et al. **Acta Endocrinol (Kbh)** 73:599-611, Jul 73

Paradoxical interaction between halothane and pancuronium. Barth L. **Anaesthesia** 28:514-20, Sep 73

Effect of pancuronium bromide on plasma histamine levels in man. Dobkin AB, et al. **Anesth Analg (Cleve)** 52:772-5, Sep-Oct 73

Hypocholesterolaemia in hyperadrenal states. Reschini E, et al. **Br Med J** 3:171, 21 Jul 73

Epithioandrostanol(10275-S), an estrogen antagonist. Miyake T, et al. **Endocrinol Jap** 20:157-65, Apr 73

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73

Anomalous effects of progesterone on the maturation and survival of spermatozoa in the epididymis of the golden hamster. Lubicz-Nawrocki CM. **J Endocrinol** 58:199-205, Aug 73

The effect of metabolites of testosterone on the viability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:193-8, Aug 73

Preparation of some 7-oxaandrostane derivatives. Guthrie RW, et al. **J Med Chem** 16:257-62, Mar 73

The ganglion blocking and vagolytic actions of three short-acting neuromuscular blocking drugs in the cat. Marshall IG. **J Pharm Pharmacol** 25:530-6, Jul 73

Some actions of 4,17a-dimethyl-4,17a-diaza-D-homo-5alpha-androstane dimethiodide (HS-342), a new neuromuscular blocking drug. Marshall IG, et al. **J Pharm Pharmacol** 25:441-6, Jun 73

Evaluation of a muscle relaxant. Pancuronium bromide (pavulon). **JAMA** 225:745-6, 13 Aug 73

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abstr.) **(Ger)**

[Therapeutic trials of Proviron in frigidity] Häfliger O, et al. **Ther Umsch** 30:533-6, Jul 73 (Eng. Abstr.) **(Ger)**

[Muscle relaxation with pancuronium bromide; an electromyographic study] Aebert K. **Z Prakt Anaesth** 7:194-203, Aug 72 (Eng. Abstr.) **(Ger)**

[Pavulon (pancuronium bromide), a new nondepolarizing muscle relaxant] Zaffiri O, et al. **Minerva Anestesiol** 39:301-4, Jun 73 **(Ita)**

[Effects of diallyl-nor-toxiferin and pancuronium bromide on the circulatory system] Ogawa T, et al. **Jap J Anesthesiol** 22:533-7, Jun 73 (Eng. Abstr.) **(Jap)**

THERAPEUTIC USE

Comparative effects of castration and antiandrogen treatment on the aortas of hypertensive and normotensive male rats. Wolinsky H. **Circ Res** 33:183-9, Aug 73

Epithioandrostanol on mammary tumors of rats and mice. Takatani O, et al. **Gann** 64:305-7, Jun 73

[Treatment of tetanic muscular symptoms with pancuronium] Suarez Alvarez JR, et al. **Rev Clin Esp** 129:503-6, 15 Jun 73 **(Spa)**

URINE

Isolation of urinary 3, 16 -dihydroxyandrost-5-en-17-one in adrenal carcinoma. Fanti V. **J Endocrinol** 56:615-6, Mar 73

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al. **Clin Chim Acta** 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**

ANDROSTENES

ADVERSE EFFECTS

Pancuronium bromide side effects. Foldes FF. **JAMA** 225:418, 23 Jul 73

ANALYSIS

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I. **Steroids** 21:511-9, Apr 73

ANTAGONISTS & INHIBITORS

[Clomiphene and aromatization of androgens into estrogens. Experiments on the pregnant rat] Marois M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Biosynthesis of 11-deoxycorticosteroids by teleost ovaries and discussion of their possible role in oocyte maturation and ovulation. Colombo L, et al. **Gen Comp Endocrinol** 21:168-78, Aug 73

The production of reduced C19 steroids by the prepubertal rat testis from 5 -pregnane-3,20-dione. Richards G, et al. **J Endocrinol** 58:2-3, Jul 73

BLOOD

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:113, 1973

Development of a radioimmunoassay for 5-alpha-androst-16-ene-3-one. Andresen O. **Horm Metab Res** 5:307-8, Jul 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

CHEMICAL SYNTHESIS

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-yl) propionic acid gamma-lactone, its preparation and antimineralocorticoid activity. Chinn LJ, et al. **J Med Chem** 16:839-43, Jul 73

ISOLATION & PURIFICATION

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I. **Steroids** 21:511-9, Apr 73

METABOLISM

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:113, 1973

Perfusion of the human kidney with 7alpha-3H-DHEA sulfatide. Hoffmann G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:140, 1973

Formation of a 16,17-trans-glycolic metabolite from a 16-dehydro-androgen in human fetal liver microsomes. Rane A, et al. **Clin Pharmacol Ther** 14:833-9, Sep-Oct 73

Steroid metabolism in testis tissue. Concentrations of testosterone, pregnenolone and 5 -androst-16-en-3 -ol in normal and cryptorchid rat testis, and in isolated interstitial and tubular tissue. Ruokonen A, et al. **FEBS Lett** 31:321-3, 1 May 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. **J Endocrinol** 58:207-17, Aug 73

Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73

PHARMACODYNAMICS

Inhibition of glucose-6-phosphate dehydrogenase by synthetic steroids and steroid conjugates. Oertel GW, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:114, 1973

Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al. **Arzneim Forsch** 23:867-70, Jun 73

A new model for studying the effect of drugs on prostatic growth. 1. Antiandrogens and DNA synthesis. Sufrin G, et al. **Invest Urol** 11:45-54, Jul 73

ANDROSTENES

3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-17alpha-yl) propionic acid gamma-lactone, its preparation and antimineralocorticoid activity. Chinn LJ, et al. **J Med Chem** 16:839-43, Jul 73

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 73

[Clomiphene and aromatization of androgens into estrogens. Experiments on the pregnant rat] Marois M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Evaluation of boldenone undecylenate as an anabolic agent in horses. O'Connor JJ, et al. **Can Vet J** 14:154-8, Jul 73

A study of the effects of a new anti-androgen on the hyperplastic dog prostate. Brooks JR, et al. **Proc Soc Exp Biol Med** 143:647-55, Jul 73

URINE

[Gas-chromatography of steroid metabolites] Nambara T, et al. **Jap J Clin Pathol** 21:593-8, Jul 73 **(Jap)**

ANDROSTENOL

CHEMICAL SYNTHESIS

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 73

METABOLISM

Steroid metabolism in testis tissue. Concentrations of testosterone, pregnenolone and 5 -androst-16-en-3 -ol in normal and cryptorchid rat testis, and in isolated interstitial and tubular tissue. Ruokonen A, et al. **FEBS Lett** 31:321-3, 1 May 73

Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73

PHARMACODYNAMICS

Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al. **Arzneim Forsch** 23:867-70, Jun 73

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 73

THERAPEUTIC USE

Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Eybl V, et al. **Arzneim Forsch** 23:867-70, Jun 73

CHLORMADINONE

ADMINISTRATION & DOSAGE

Basic studies for prolonged progestogen administration by vaginal devices. Henzl MR, et al. **Am J Obstet Gynecol** 117:101-6, 1 Sep 73

[Experimental studies on estrus synchronization in sheep] Nöldner H, et al. **Arch Exp Veterinaermed** 26:1019-29, Dec 72 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Amenorrhea-galactorrhea following the use of ovosiston] Kosowski I, et al. **Zentralbl Gynaekol** 95:851-4, 22 Jun 73 **(Ger)**

ANALYSIS

[Excretion of chlormadinone acetate-Jenapharm in the milk of ruminants] Chemnitius KH, et al. **Arch Exp Veterinaermed** 26:999-1012, Dec 72 **(Ger)**

[Infrared spectrophotometry in quantitative drug analysis. II. Assay of some steroids] Pawelczyk E, et al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) **(Pol)**

BLOOD

Basic studies for prolonged progestogen administration by vaginal devices. Henzl MR, et **Am J Obstet Gynecol** 117:101-6, 1 Sep 73

PHARMACODYNAMICS

Basic studies for prolonged progestogen administration by vaginal devices. Henzl MR, et **Am J Obstet Gynecol** 117:101-6, 1 Sep 73

Adenosine diphosphate-induced platelet aggregati in healthy women with and without a combined a sequential contraceptive pill. Zahavi J, et al **Am J Obstet Gynecol** 117:107-13, 1 Sep 73

Effect of minipills on physiologic responses of hum cervical mucus, endometrium, and ovary. Aref I, et **Fertil Steril** 24:578-83, Aug 73

[Estrus synchronization in heifers] Busch W, et **Arch Exp Veterinaermed** 26:989-97, Dec 72 (Er Abstr.) **(Ge**

[Excretion of chlormadinone acetate-Jenapharm in t milk of ruminants] Chemnitius KH, et al. **Arch Exp Veterinaermed** 26:999-1012, Dec 72 **(Ge**

[Effect of chlormadinone acetate on testicular functi in the boar] Claussen C, et al. **Arch Exp Veterinaermed** 26:981-8, Dec 72 (Er Abstr.) **(Ge**

[Experimental studies on estrus synchronization sheep] Nöldner H, et al. **Arch Exp Veterinaermed** 26:1019-29, Dec 72 (Er Abstr.) **(Ge**

THERAPEUTIC USE

Basic studies for prolonged progestogen administration by vaginal devices. Henzl MR, et **Am J Obstet Gynecol** 117:101-6, 1 Sep 73

TOXICITY

Progestins and mammary cancer induction. Coezy E, al. **Br J Cancer** 28:83, Jul 73

CHLOROTRIANISENE

THERAPEUTIC USE

[Functional state of the adrenal cortex in cancer a adenoma of the prostate in the process of estrog therapy] Klepikov FA, et al. **Urol Nefrol (Mosk)** 37:38-42, Nov-Dec 72 (Eng. Abst **(Ru**

CLOMIPHENE

ADMINISTRATION & DOSAGE

Combined therapy with clomid and epimestrol. Seki et al. **Acta Obstet Gynaecol Jap** 19:125-30, Apr

Effects of cis- and trans-clomiphene in the induction sexual behavior. Ross JW, et al. **Endocrinology** 93:681-5, Sep 73

Prolonged effects of a single administration c clomiphene citrate on the cervix & vagina in r during delayed implantation. Sankaran MS, et **Indian J Exp Biol** 10:401-4, Nov 72

Clomifen in the treatment of anovulatory wome Widholm O. **Int J Fertil** 18:81-4, 1973

Rapid enlargement of a uterine fibroid after clomiphene therapy. Frankel T, et al. **J Obstet Gynaecol Br Commonw** 80:764, Aug

[Study, with trichromic methods, of the hypophysis the normal female guinea pig after the ingestion clomiphene citrate] Martín Alvarez P. **Acta Obstet Ginecol Hisp Lusit** 21:49-63, Mar 73 (Sp

ADVERSE EFFECTS

Rapid enlargement of a uterine fibroid after clomiphene therapy. Frankel T, et al. **J Obstet Gynaecol Br Commonw** 80:764, Aug

Anencephaly and ovulation stimulation. Sandler **Lancet** 2:379, 18 Aug 73

ANTAGONISTS & INHIBITORS

Adenohypophysial growth and thyroxine bindin effects of steroid hormones. Schreiber V, et **Acta Univ Carol [Med Monogr]** (Praha) 51:9-157, 19

PHARMACODYNAMICS

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73

Microscopic and ultrastructural changes of hormone-dependent rat mammary cancer treated with "anti-hormones". Pape C, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:151, 1973

Effect of cyclophenyl and clomiphene on excretion of urinary LH. Ishizuka N, et al. **Endocrinol Jap** 20:51-7, Feb 73

Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al. **Endocrinol Jap** 19:525-32, Dec 72

Effects of cis- and trans-clomiphene in the induction of sexual behavior. Ross JW, et al. **Endocrinology** 93:681-5, Sep 73

Prolonged effects of a single administration of clomiphene citrate on the cervix & vagina in rat during delayed implantation. Sankaran MS, et al. **Indian J Exp Biol** 10:401-4, Nov 72

Inhibitors of implantation. Emmens CW. **J Reprod Fertil [Suppl]** 18:177-84, Jul 73

Anencephaly and ovulation stimulation. Sandler B. **Lancet** 2:379, 18 Aug 73

Testosterone in plasma. A physiopathological study. Vernieulen A. **Verh K Vlaam Acad Geneeskd Belg** 35:95-180, 1973 (104 ref.)

Effect of clomiphene citrate on FSH and LH levels in 4 cases of hypogonadism with hyposmia or anosmia] Bricaire H, et al. **Ann Endocrinol (Paris)** 33:622-8, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

Clomiphene and aromatization of androgens into estrogens. Experiments on the pregnant rat] Marois M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al. **Probl Actuels Endocrinol Nutr** 16:129-40, 3 May 73 **(Fre)**

[Study, with trichromic methods, of the hypophysis of the normal female guinea pig after the ingestion of clomiphene citrate] Martín Alvarez P. **Acta Obstet Ginecol Hisp Lusit** 21:49-63, Mar 73 **(Spa)**

THERAPEUTIC USE

Microscopic and ultrastructural changes of hormone-dependent rat mammary cancer treated with "anti-hormones". Pape C, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:151, 1973

The inhibition of hormone-dependent rat mammary cancer by clomiphene isomers. Wüstenberg B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:66, 1973

Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al. **Am J Obstet Gynecol** 117:75-9, 1 Sep 73

Testicular biopsy in evaluation of male infertility. Meinhard E, et al. **Br Med J** 3:577-81, 15 Sep 73

Clomifen in the treatment of anovulatory women. Widholm O. **Int J Fertil** 18:81-4, 1973

A proposed classification of pelvic endometriosis. Acosta AA, et al. **Obstet Gynecol** 42:19-25, Jul 73

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al. **Obstet Gynecol** 42:429-40, Sep 73

Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P. **Probl Actuels Endocrinol Nutr** 16:159-78, 3 May 73 **(Fre)**

Gonadotropic therapy after failure of clomiphen] Zakut H, et al. **Harefuah** 84:470-3, 1 May 73 (Eng. Abstr.) **(Heb)**

CONTRACEPTIVES, ORAL

Radioimmunoassay of plasma progesterone. Friedrich E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:112, 1973

Epidemiology of secondary amenorrhea. I. Incidence and prevalence rates. Pettersson F, et al. **Am J Obstet Gynecol** 117:80-6, 1 Sep 73

One hundred pregnant adolescents, treatment approaches in a university hospital. Dickens HO, et al. **Am J Public Health** 63:794-800, Sep 73

An experience in family planning in Nairobi. Hornsby VP. **East Afr Med J** 49:714-24, Oct 72

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

Radioimmunoassay of serum tri-iodothyroine in patients with thyroid disease. Eastman CJ, et al. **J Endocrinol** 58:22-3, Jul 73

Human uterine fluid potassium and the menstrual cycle. Clemetson CA, et al. **J Obstet Gynaecol Br Commonw** 80:553-61, Jun 73

Serum levels of copper, caeruloplasmin and caeruloplasmin oxidase activity in women using copper-containing intrauterine devices and in women taking combined oral contraceptives. Daunter B, et al. **J Obstet Gynaecol Br Commonw** 80:644-7, Jul 73

Induction of hepatic enzymes during normal human pregnancy. Davis M, et al. **J Obstet Gynaecol Br Commonw** 80:690-4, Aug 73

A test for fear of pregnancy and its relation to oral contraceptives. Kutner SJ. **J Psychiatr Res** 9:337-44, Dec 72

Prostaglandins and reproduction: a general survey. Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 ref.)

Pre-pregnancy oral contraception and sex ratio among subsequent progeny. Crawford JS, et al. **Lancet** 2:453-4, 25 Aug 73

A trophoblastic antigen present in the sera of pregnant women. Aw SE, et al. **Med J Aust** 2:119-21, 21 Jul 73

Steroid contraceptives in the People's Republic of China. Djerassi C. **N Engl J Med** 289:533-5, 6 Sep 73

Pregnancy after hydatidiform mole. Pastorfide GB, et al. **Obstet Gynecol** 42:67-70, Jul 73

Changes in the use of oral contraceptives by Rhode Island women between 1967 and 1970. Bouvier LF. **Soc Biol** 20:51-63, Mar 73

China's population program at the grass-roots level. Chen PC. **Stud Fam Plann** 4:219-27, Aug 73

A report on the family planning program in the People's Republic of China. Katagiri T. **Stud Fam Plann** 4:216-8, Aug 73

Evaluation of the first year of the educational savings program in Taiwan. Wang CM, et al. **Stud Fam Plann** 4:157-61, Jul 73

Contraception. Law B. **Trans Med Soc Lond** 88:184-91, 1972

[Cytological detection of cancers of the uterus. Results obtained at a diagnostic center and results obtained by private physicians in a precinct. General considerations on anti-cancer preventive medicine] Liegeois A. **Arch Belg Med Soc** 30:557-68, Oct 72 (Eng. Abstr.) **(Fre)**

[Contraception and medical psychology] Jadoul P. **Rev Med Liege** 28:361-3, 1 Jun 73 **(Fre)**

[Hormonal contraception] Lecart C. **Rev Med Liege** 28:366-73, 1 Jun 73 **(Fre)**

[Status of abortions, fertility and family planning in the Rostock region during 1962-1971] Mehlan KH, et al. **Z Aerztl Fortbild (Jena)** 67:539-45, Jun 73 **(Ger)**

[Female sex hormones] Nakayama T. **Clin Endocrinol (Tokyo)** 20:819-20, Oct 72 **(Jap)**

[Results of the use of an estrogen-progestagen combination at low dosage as a contraceptive. Preliminary report] Ruiz Moreno JA, et al. **Ginecol Obstet Mex** 34:35-42, Jul 73 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Adenosine diphosphate-induced platelet aggregation in healthy women with and without a combined and sequential contraceptive pill. Zahavi J, et al. **Am J Obstet Gynecol** 117:107-13, 1 Sep 73

Toxicologic and teratologic studies with 1-(3,5-bis-trifluoromethyl)phenyl)-4-methyl-thiosemicarbazide (CIBA 2696Go). Rao RR, et al. **Arzneim Forsch** 23:797-800, Jun 73

Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. **J Natl Cancer Inst** 51:209-24, Jul 73

[Cerebral ischemic insults in young women taking ovulation inhibitors] Wenig C. **Munch Med Wochenschr** 115:1023-8, 1 Jun 73 (Eng. Abstr.) **(Ger)**

[Optimation of sequential contraceptive therapy through shortening of the estrogen phase] Hempel E,

et al.
Z Aerztl Fortbild (Jena) 67:279-80, 15 May 73 **(Ger)**
[Amenorrhea-galactorrhea following the use of ovosiston] Kosowski I, et al.
Zentralbl Gynaekol 95:851-4, 22 Jun 73 **(Ger)**
[Possible biological effects of contraceptives] Nazer J, et al.
Rev Med Chil 101:234-6, Mar 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Contraceptives, thromboembolism and lipid metabolism. Gennes JL de, et al.
Acta Endocrinol [Suppl] (Kbh) 173:182-3, 1973
The clinical significance of the plasminogen level. Lackner H, et al. **Am J Clin Pathol** 60:175-81, Aug 73
Granulomatous mastitis and lipogranuloma of the breast. Murthy MS. **Am J Clin Pathol** 60:432-3, Sep 73
A study of the copper T intrauterine contraceptive device (TCu 200) in nulliparous women. Mishell DR Jr, et al. **Am J Obstet Gynecol** 116:1092-6, 15 Aug 73
Epidemiology of secondary amenorrhea. I. Incidence and prevalence rates. Pettersson F, et al.
Am J Obstet Gynecol 117:80-6, 1 Sep 73
The influence of recent use of an oral contraceptive on early intrauterine development. Poland BJ, et al.
Am J Obstet Gynecol 116:1138-42, 15 Aug 73
Contraceptive choice and cervical cytology. Shulman JJ, et al. **Am J Obstet Gynecol** 116:1079-87, 15 Aug 73
Thromboelastographic studies in oral contraception. Sirő B, et al. **Am J Obstet Gynecol** 116:1167-8, 15 Aug 73
Non-atheromatous stenosis and occlusion of the internal carotid artery and its main branches. Momose KJ, et al.
Am J Roentgenol Radium Ther Nucl Med 118:550-66, Jul 73
Diagnosis of cochlear otosclerosis. Linthicum FH Jr.
Arch Otolaryngol 95:564-9, Jun 72
Toxicologic and teratologic studies with 1-(3,5-bis-trifluoromethyl)phenyl)-4-methyl-thiosemicarbazide (CIBA 2696Go). Rao RR, et al.
Arzneim Forsch 23:797-800, Jun 73
The possible role of chemical carcinogens. Magee PN.
Br J Cancer 28:89-90, Jul 73
Side effects of the pill. Grant EC.
Br Med J 3:349, 11 Aug 73
Studies of carbohydrate and lipid metabolism in women developing hypertension on oral contraceptives. Mason B, et al. **Br Med J** 3:317-20, 11 Aug 73
Oral contraceptives and myocardial infarction. Radford DJ, et al. **Br Med J** 3:428-30, 25 Aug 73
Hormonal factors in dermatitis herpetiformis. Report of two cases. Haim S, et al.
Dermatologica 145:199-202, 1972
Thrombophlebitis and chronic venous insufficiency. Young JR. **Geriatrics** 28:63-9, Sep 73
Adverse drug reactions. A problem for drug regulatory agencies. Westerholm B.
Int J Clin Pharmacol 7:183-9, Apr 73
Cryofibrinogen and oral contraception in women. Lee RS. **J Am Osteopath Assoc** 72:1161-5, Aug 73
Erythema nodosum secondary to the use of oral contraceptive. A case report. Stumbo WG.
J Ky Med Assoc 71:433-4, Jul 73
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
Changes in platelet thrombotic tendency during oral contraception. Sanderson JH, et al.
J Obstet Gynaecol Br Commonw 80:639-43, Jul 73
Speculations about mortality trends from venous thromboembolic disease in England and Wales and their relation to the pattern of oral contraceptive usage. Vessey MP, et al.
J Obstet Gynaecol Br Commonw 80:562-6, Jun 73
Editorial. Cholelithiasis. **J Trop Med Hyg** 76:157, Jul 73
The pill, thromboembolism, and gallbladder disease. Shapiro S. **Lancet** 2:567, 8 Sep 73
The pill, thromboembolism, and gallbladder disease. Tuerck DG, et al. **Lancet** 2:317-8, 11 Aug 73
Oral contraceptives and venous thromboembolic disease, surgically confirmed gallbladder disease, and breast tumours. Report from the Boston Collaborative Drug Surveillance Programme.
Lancet 1:1399-404, 23 Jun 73
Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. Davidoff F, et al.
N Engl J Med 289:552-5, 13 Sep 73
Oral contraceptives: risks and benefits. Gordon
N Engl J Med 289:809, 11 Oct 73
Pancreatitis and hyperlipemia. Greenberger NJ.
N Engl J Med 289:586-7, 13 Sep 73
Erythema nodosum and oral contraception. Karlhe DH. **Obstet Gynecol** 42:323-4, Aug 73
Side-effects from oral contraceptives. Human I **S Afr Med J** 47:1444, 18 Aug 73
Diagnostic considerations in secondary hypertensio Fleischer N. **Tex Med** 69:64-70, Jul 73
Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972
[Prevention of cerebrovascular disorders] Fogelhol R. **Duodecim** 89:452-7, 1973 **(Fi**
[Administration of estrogens and so-called porphyr cutanea tarda. 4 cases] Palma-Carlos AG, et a **Nouv Presse Med** 2:1996, 1 Sep 73 **(Fr**
[Continuation and supervision of contraception] Lambotte R. **Rev Med Liege** 28:378-82, 1 Jun 73 **(Fr**
[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 **(Fr**
[Flush-like erythema] Delius L.
Dtsch Med Wochenschr 98:1512, Aug 73 **(Ge**
[Pathogenesis and therapy of chronic recurren candida vaginitis] Loch EG, et al.
Dtsch Med Wochenschr 98:1476-8, Aug 73 **(Ge**
[Effects of rifampicin on the menstrual cycle and o oestrogen excretion in patients taking oral contraceptives] Nocke-Finck L, et al.
Dtsch Med Wochenschr 98:1521-3, 11 Aug 73 **(En** Abstr.) **(Ge**
[Tolerance of the normocyclic sequence drug Oracon and of various neutral hormones as well as of gestage emphasizing contraceptive agents in the medic practice. Results of a group study of 173 establishe gynecologists involving 1539 women] Erdmann G, al. **Fortschr Med** 91:Suppl:303-10, Mar 73 **(Ge**
[Vitamin metabolism and contraceptives] Reinken et al.
Geburtshilfe Frauenheilkd 33:503-6, Jun 73 **(En** Abstr.) **(Ge**
[Desired and undesired effects of drugs on the ski Steigleder GK. **Hautarzt** 24:261-71, Jun 73 **(Ge**
[Vasomotoric rhintis as an adverse effect of hormon contraception] Schreiber U.
HNO 21:180-1, Jun 73 (Eng. Abstr.) **(Ge**
[Functional disorders of the optic nerve in patients oral contraceptives] Follmann P, et al.
Klin Monatsbl Augenheilkd 162:630-3, May 73 **(En** Abstr.) **(Ge**
[Ophthalmological complications after oral contraceptives] Varga M.
Klin Monatsbl Augenheilkd 162:621-9, May 73 **(En** Abstr.) **(Ge**
[Ocular and metabolic findings in patients on or contraceptives] Verbeck B.
Klin Monatsbl Augenheilkd 162:612-21, May 73 **(En** Abstr.) **(Ge**
[Intracranial sinus and venous thromboses followi the use of oral contraceptives] Assmus H, et **Med Welt** 24:779-81, 11 May 73 **(Ge**
[Changes in the cervix uteri during corticostero administration] Guhr O.
Munch Med Wochenschr 115:1020-2, 1 Jun 73 **(En** Abstr.) **(Ge**
[Fatal thrombosis in women of child-bearing ag Kletter G.
Munch Med Wochenschr 115:1017-9, 1 Jun 73 **(Er** Abstr.) **(Ge**
[Cerebral ischemic insults in young women taki ovulation inhibitors] Wenig C.
Munch Med Wochenschr 115:1023-8, 1 Jun 73 **(Er** Abstr.) **(Ge**
[Oversuppression syndrome] Hauser GA.
Ther Umsch 30:491-5, Jul 73 (Eng. Abstr.) **(Ge**
[Headache in women (in regard to hormonal factors Mambourg A, et al.
Ther Umsch 30:524-32, Jul 73 (Eng. Abstr.) **(Ge**
[Oral contraceptives and cholestasis] Richter J, et **Verh Dtsch Ges Inn Med** 78:1538-9, 1972 **(Ge**
[Amenorrhea-galactorrhea following the use of ovosiston] Kosowski I, et al.
Zentralbl Gynaekol 95:851-4, 22 Jun 73 **(Ge**
[Cytogenetic causes of abortion] Pelz L.
Zentralbl Gynaekol 94:145-55, 5 Feb 72 (77 ref.) **(Ge**
[Infertility after the pill] Kohn DH.
Harefuah 84:666-7, 15 Jun 73 **(He**
[Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 re **(Ja**

[Electroencephalgram and contraceptive drugs] Lima JG, et al.
Arq Neuropsiquiatr 31:105-6, Jun 73 (Eng. Abstr.) **(Por)**
[Possible biological effects of contraceptives] Nazer J, et al.
Rev Med Chil 101:234-6, Mar 73 (Eng. Abstr.) **(Spa)**
Clinical experiences with mechanical and hormonal contraception] Sklovský A.
Bratisl Lek Listy 59:714-7, Jun 73 (Eng. Abstr.) **(Slo)**

ANTAGONISTS & INHIBITORS

Hormonal antagonism to the antispermatogenic effect of ethylene-dimethanesulphonate in rats. Jackson H, et al. **J Reprod Fertil** 34:133-5, Jul 73

CLASSIFICATION

[Comparison of contraceptive methods by means of physiological criteria] Matter R.
Ther Umsch 30:537-42, Jul 73 (Eng. Abstr.) **(Ger)**

HISTORY

[Gregory G. Pincus, 1903-1967] (Pincus GG), Vojta M.
Cesk Gynekol 38:472-3, Jul 73 **(Cze)**

METABOLISM

A simple competitive protein-binding method for determination of progesterone in the rat plasma. Marić Z, et al. **Steroids** 22:113-21, Jul 73
Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972
Comparison of contraceptive methods by means of physiological criteria] Matter R.
Ther Umsch 30:537-42, Jul 73 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids. Robyn C, et al.
Acta Endocrinol [Suppl] (Kbh) 173:88, 1973
The value of measuring platelet "adhesiveness" in the diagnosis of bleeding diseases. Bowie EJ, et al.
Am J Clin Pathol 60:302-8, Sep 73
Epidemiology of secondary amenorrhea. I. Incidence and prevalence rates. Pettersson F, et al.
Am J Obstet Gynecol 117:80-6, 1 Sep 73
Adenosine diphosphate-induced platelet aggregation in healthy women with and without a combined and sequential contraceptive pill. Zahavi J, et al.
Am J Obstet Gynecol 117:107-13, 1 Sep 73
Metabolic effects of a combination of dl-norgestrel and ethinylestradiol in humans. Gerhards E, et al.
Arzneim Forsch 23:779-84, Jun 73
Toxicologic and teratologic studies with 1-(3,5-bis-trifluoromethyl)phenyl)-4-methyl-thiosemicarbazide (CIBA 2696Go). Rao RR, et al.
Arzneim Forsch 23:797-800, Jun 73
Influence of hormonal contraceptives on carbohydrate and lipid metabolism in the rat. Schillinger E, et al.
Biochem Pharmacol 22:1835-44, 1 Aug 73
Decreased taurine excretion in relation to childbirth, lactation and progestin-estrogen therapy. Armstrong MD. **Clin Chim Acta** 46:253-6, 14 Jul 73
Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al.
Fertil Steril 24:578-83, Aug 73
Interactions of steroids and serum cholinesterase. Redderson CL. **Int J Clin Pharmacol** 8:51-7, Aug 73
Effect of the contraceptive steroids norethynodrel and mestranol on dental caries activity in young adult female rats. Liu FT, et al.
J Dent Res 52:753-7, Jul-Aug 73
Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. Tabacchi MH, et al.
J Nutr 103:1270-8, Sep 73
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
Changes in platelet thrombotic tendency during oral contraception. Sanderson JH, et al.
J Obstet Gynaecol Br Commonw 80:639-43, Jul 73
The effect of some oral contraceptive steroids on platelet electrophoretic mobility in vitro. Florence AT, et al. **J Pharm Pharmacol** 24:983-5, Dec 72
The interaction of some oral contraceptive steroids with lipid monolayers and with Erythrocytes. Florence AT, et al.
J Pharm Pharmacol 24:942-9, Dec 72
Hormonal antagonism to the antispermatogenic effect of ethylene-dimethanesulphonate in rats. Jackson H, et al. **J Reprod Fertil** 34:133-5, Jul 73
Reduced ascorbic-acid excretion and oral contraceptives. Harris AB, et al. **Lancet** 2:201-2, Jul 73
Radionuclide postpartum evaluation of the urinary tract during anovular therapy. Clayton JD, et al.
Surg Gynecol Obstet 137:215-9, Aug 73
[Clinical trial of oral contraceptive agent, Combiquens] Welti H.
Ther Umsch 30:543-9, Jul 73 (Eng. Abstr.) **(Fre)**
[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B.
Dtsch Gesundheitsw 28:223-7, 1973 (Eng. Abstr.) **(Ger)**
[Desired and undesired effects of drugs on the skin] Steigleder GK. **Hautarzt** 24:261-71, Jun 73 **(Ger)**
[What is professional medicine's position at present on the "Pill"?] Venzmer G.
Krankenpflege 27:237-8, Jun 73 **(Ger)**
[Oversuppression syndrome] Hauser GA.
Ther Umsch 30:491-5, Jul 73 (Eng. Abstr.) **(Ger)**
[Comparison of contraceptive methods by means of physiological criteria] Matter R.
Ther Umsch 30:537-42, Jul 73 (Eng. Abstr.) **(Ger)**
[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) **(Ger)**
[Effect of oral contraceptives on the serum protein pattern] Liappis N.
Zentralbl Gynaekol 95:722-6, 25 May 73 **(Ger)**
[Two types of contraceptives and their influence on endocrine balance] Stěrba R.
Zentralbl Gynaekol 95:847-50, 22 Jun 73 **(Ger)**

SUPPLY & DISTRIBUTION

Speculations about mortality trends from venous thromboembolic disease in England and Wales and their relation to the pattern of oral contraceptive usage. Vessey MP, et al.
J Obstet Gynaecol Br Commonw 80:562-6, Jun 73

THERAPEUTIC USE

Control of paroxysmal ventricular tachycardia with oral contraceptives. Gorfinkel HJ, et al.
Chest 64:279-80, Aug 73
[Therapeutic problems of ovarian endometriosis] Paukovic J, et al. **Cesk Gynekol** 38:37-8, 1973 **(Cze)**
[Tolerance of the normocyclic sequence drug Oraconal and of various neutral hormones as well as of gestagen emphasizing contraceptive agents in the medical practice. Results of a group study of 173 established gynecologists involving 1539 women] Erdmann G, et al. **Fortschr Med** 91:Suppl:303-10, Mar 73 **(Ger)**
[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) **(Ger)**
[Current treatment of dysmenorrhea] Schurz AR.
Ther Umsch 30:511-5, Jul 73 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxicologic and teratologic studies with 1-(3,5-bis-trifluoromethyl)phenyl)-4-methyl-thiosemicarbazide (CIBA 2696Go). Rao RR, et al.
Arzneim Forsch 23:797-800, Jun 73
Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. **J Natl Cancer Inst** 51:209-24, Jul 73

CONTRACEPTIVES, POSTCOITAL

[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 **(Fre)**

PHARMACODYNAMICS

Antifertility activities in the mouse and rat of triarylalkenes and triarylalkanols with basic ether groups. Emmens CW. **J Reprod Fertil** 34:23-8, Jul 73

CORPUS LUTEUM HORMONES

PHYSIOLOGY

[Headache in women (in regard to hormonal factors)] Mambourg A, et al.
Ther Umsch 30:524-32, Jul 73 (Eng. Abstr.) **(Ger)**

CRONOLONE

PHARMACODYNAMICS

Constancy of interval between luteinizing hormone release and ovulation in the ewe. Cumming IA, et al.
Biol Reprod 9:24-9, Aug 73

CYPROTERONE

Failure to induce sterility in male rats with continuously released micro-quantities of cyproterone acetate and norgestrel. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:120, 1973
In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Van Doorn EJ, et al.
Biochim Biophys Acta 309:254-62, 6 Jun 73

ADMINISTRATION & DOSAGE

Failure to induce sterility in male rats with continuously released micro-quantities of cyproterone acetate and norgestrel. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:120, 1973
Female sexual behavior in male rats treated prenatally with an anti-androgen. Ward IL.
Physiol Behav 8:53-6, Jan 72

ANTAGONISTS & INHIBITORS

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

PHARMACODYNAMICS

Long-term effect of cyproterone on testosterone levels in male rats. Hasan SH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:119, 1973
Androgen dynamics in vitro in the human prostate gland. Effect of cyproterone and cyproterone acetate. Giorgi EP, et al. **Biochem J** 132:465-74, Mar 73
A reappraisal of the effects of adenosine 3':5'-cyclic monophosphate on the function and morphology of the rat prostate gland. Mangan FR, et al.
Biochem J 134:129-42, May 73
Hormonal effects on fetal development: a survey. Jost A. **Clin Pharmacol Ther** 14:714-20, Jul-Aug 73
Effect of hypophysectomy, castration and androgen replacement upon the fertilizing ability of rat epididymal spermatozoa. Dyson AL, et al.
Endocrinology 93:391-402, Aug 73
Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB.
Gen Comp Endocrinol 21:60-8, Aug 73
A new model for studying the effect of drugs on prostatic growth. 1. Antiandrogens and DNA synthesis. Sufrin G, et al. **Invest Urol** 11:45-54, Jul 73
Plasma calcitonin and gonadal hormones in Japanese quail. Dacke CG, et al. **J Endocrinol** 58:13-4, Jul 73
Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73
Control of epididymal function. Prasad MR, et al.
J Reprod Fertil [Suppl] 18:215-22, Jul 73 (18 ref.)
Female sexual behavior in male rats treated prenatally with an anti-androgen. Ward IL.
Physiol Behav 8:53-6, Jan 72
Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals. Stârka L, et al. **Physiol Bohemoslov** 21:233-8, May 72

THERAPEUTIC USE

Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973
Evaluation of the effectiveness of treatment on adult height prognosis in disorders with advanced and retarded bone age. Height and height velocity related to chronological or to bone age. Bossi E, et
Acta Paediatr Scand 62:401-4, Jul 73
Improvement of adult height prognosis in precocio puberty by cyproterone acetate. Bossi E, et
Acta Paediatr Scand 62:405-12, Jul 73
Comparative effects of castration and antiandrog treatment on the aortas of hypertensive anc normotensive male rats. Wolinsky H.
Circ Res 33:183-9, Aug 73

DIETHYLSTILBESTROL

In vitro studies on the inhibition of pig liver ster delta4-5beta-reductase activity by naturally occurri and synthetic estrogens. Van Doorn EJ, et
Biochim Biophys Acta 309:254-62, 6 Jun 73

ADMINISTRATION & DOSAGE

Daily serum follicle-stimulating hormone, luteinizi hormone, and plasma testosterone and androstenedione in hirsute women with polycys sclerotic ovaries: effects of diethylstilbestrol a norethindrone acetate. Daane TA, et al.
Am J Obstet Gynecol 117:392-9, 1 Oct 73
Sebaceous gland suppression with ethinyl estradiol a diethylstilbestrol. Pochi PE, et al.
Arch Dermatol 108:210-4, Aug 73
Feedlot performance and blood plasma amino ac patterns in beef steers fed diethylstilbestrol under libitum, restricted, and compensatory conditio Oltjen RR, et al. **J Nutr** 103:1131-7, Aug 73
Malignant uterine mesotheliomas in squirrel monke following diethylstilbestrol administration. McClu HM, et al. **Lab Anim Sci** 23:493-8, Aug 73
Management of nasopharyngeal angiofibroma. Wali JW, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1346-
Sep-Oct 72

ADVERSE EFFECTS

Panel discussion: hormones and fetal metabolis
Clin Pharmacol Ther 14:742-7, Jul-Aug 73
An analysis of the effects of changes from the assign treatment in a clinical trial of treatment for prosta cancer. Hurst KS, et al. **J Chronic Dis** 26:311-24, May
Maternal stilbestrol--genital adenocarcinoma--and follow-up of exposed young women.
J Miss State Med Assoc 14:301-3, Jul 73
Malignant uterine mesotheliomas in squirrel monke following diethylstilbestrol administration. McClu HM, et al. **Lab Anim Sci** 23:493-8, Aug 73
Vaginal clear cell adenocarcinoma. Karnaky KJ
Obstet Gynecol 42:479-80, Sep 73
Post-stilbestrol secondary syndrome. Pomerance
Obstet Gynecol 42:12-8, Jul 73
Turner's syndrome with endometrial adenocarcinor and stilbestrol therapy. Wilkinson EJ, et al.
Obstet Gynecol 42:193-200, Aug 73
[Transplacental chemical carcinogenesis] Sula J
Cas Lek Cesk 112:881-6, 20 Jul 73 (Eng. Abstr.) **(Cz**
[Vaginal adenocarcinoma as a late result of treatme of threatened abortion with diethylstilbestrol] Pre
J. Cesk Gynekol 38:473-4, Jul 73 **(Cz**

ANALYSIS

Gas chromatographic determination of diethylstilbestrol dimethyl ether in diethylstilbestrol. Gainer FE, et al.
J Assoc Off Anal Chem 55:185-6, Jan 72

METABOLISM

Model studies on protein-steroid interactions wi glutamate dehydrogenase from beef liver. Kempfle et al. **Acta Endocrinol [Suppl] (Kbh)** 173:71, 19
An insoluble receptor for oestrogens in the "residu nuclear proteins of chick-liver. Lebeau MC, et
Eur J Biochem 36:294-300, 2 Jul 73
Effects of castration, androgens, and estrogens steroid levels in the dog prostate. Varkarakis MJ, et
Invest Urol 11:106-13, Sep 73

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina a uterus as parameter for finding predominant

vaginotrophic or uterotrophic estrogens. Nishino Y, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1973

The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells. Szego CM.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)

Serum iron and ferroxidase activity in normal, copper-deficient, and estrogenized roosters. Planas J, et al. **Am J Physiol** 225:423-8, Aug 73

Effect of stilboestrol on levels of uric acid in plasma and urine. Nicholls A, et al.
Ann Rheum Dis 32:386-7, Jul 73

Histone acetylation and hormone action. Early effects of oestradiol-17beta on histone acetylation in rat uterus. Libby PR. **Biochem J** 130:663-9, Dec 72

Effect of estrogen on gene expression in the chick oviduct. II. Transcription of chick tritiated unique deoxyribonucleic acid as measured by hybridization in ribonucleic acid excess. Liarakos CD, et al. **Biochemistry** 12:2809-16, 17 Jul 73

Effect of estrogen on gene expression in the chick oviduct. I. Deoxyribonucleic acid--deoxyribonucleic acid renaturation studies. Rosen JM, et al. **Biochemistry** 12:2803-9, 17 Jul 73

The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al.
Experientia 29:95-6, 1 May 73

Effects of castration, androgens, and estrogens on steroid levels in the dog prostate. Varkarakis MJ, et al. **Invest Urol** 11:106-13, Sep 73

Transport of monosaccharides. I. Asymmetry in the human erythrocyte mechanism. Batt ER, et al. **J Clin Invest** 52:1686-97, Jul 73

Studies with stilboestrol analogues in relation to prostatic function. Danutra V, et al.
J Endocrinol 58:28-9, Jul 73

Early effects of stilboestrol on growth hormone and prolactin secretion and on pituitary mitotic activity in the male rat. Lloyd HM, et al.
J Endocrinol 58:227-31, Aug 73

Feedlot performance and blood plasma amino acid patterns in beef steers fed diethylstilbestrol under ad libitum, restricted, and compensatory conditions. Oltjen RR, et al. **J Nutr** 103:1131-7, Aug 73

An antilactogenic effect of pyridoxine. Foukas MD. **J Obstet Gynaecol Br Commonw** 80:718-20, Aug 73

Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al. **Jap J Pharmacol** 23:349-54, Jun 73

Effect of hormone therapy on mitogenic responses of lymphocytes from patients with cancer of the breast. Pentycross CR, et al. **Lancet** 2:177-9, Jul 73

Rates of induction of specific translatable messenger RNAs for ovalbumin and avidin by steroid hormones. Chan L, et al. **Proc Natl Acad Sci USA** 70:1870-4, Jun 73

Vaginal adenocarcinoma as a late result of treatment of threatened abortion with diethylstilbestrol] Presl J. **Cesk Gynekol** 38:473-4, Jul 73 **(Cze)**

THERAPEUTIC USE

Topical antipsoriatic agents and epidermal mitosis in man. Fisher LB, et al. **Arch Dermatol** 108:374-7, Sep 73

Sebaceous gland suppression with ethinyl estradiol and diethylstilbestrol. Pochi PE, et al.
Arch Dermatol 108:210-4, Aug 73

An analysis of the effects of changes from the assigned treatment in a clinical trial of treatment for prostatic cancer. Hurst KS, et al. **J Chronic Dis** 26:311-24, May 73

Maternal stilbestrol--genital adenocarcinoma--and follow-up of exposed young women.
J Miss State Med Assoc 14:301-3, Jul 73

Primary transitional cell carcinoma of the prostate. Greene LF, et al. **J Urol** 110:235-7, Aug 73

Effect of hormone therapy on mitogenic responses of lymphocytes from patients with cancer of the breast. Pentycross CR, et al. **Lancet** 2:177-9, Jul 73

Vaginal clear cell adenocarcinoma. Karnaky KJ. **Obstet Gynecol** 42:479-80, Sep 73

Turner's syndrome with endometrial adenocarcinoma and stilbestrol therapy. Wilkinson EJ, et al. **Obstet Gynecol** 42:193-200, Aug 73

Autoimmune thrombocytopenia occurring in a young woman with idiopathic haemochromatosis. Habib MA, et al. **Scand J Haematol** 10:148-52, 1973

Management of nasopharyngeal angiofibroma. Wallke W, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1346-53, Sep-Oct 72

[Vaginal adenocarcinoma as a late result of treatment of threatened abortion with diethylstilbestrol] Presl J. **Cesk Gynekol** 38:473-4, Jul 73 **(Cze)**

[Abortus provocatus in cattle] Schjerven L. **Nord Vet Med** 24:537-43, Nov 72 (Eng. Abstr.) **(Nor)**

[Treatment of Sjögren's syndrome with female sex hormones] Ostachowicz M, et al.
Wiad Lek 26:1075-7, 1 Jun 73 (Eng. Abstr.) **(Pol)**

DIHYDROXYPROGESTERONE

BIOSYNTHESIS

The effect of pyridine nucleotides and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. Scoon V, et al. **J Endocrinol** 58:1, Jul 73

DIMETHISTERONE

ADVERSE EFFECTS

Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. Davidoff F, et al. **N Engl J Med** 289:552-5, 13 Sep 73

DROMOSTANOLONE

ADMINISTRATION & DOSAGE

A dose-response evaluation of androgens in the treatment of metastatic breast cancer. Talley RW, et al. **Cancer** 32:315-20, Aug 73

THERAPEUTIC USE

A dose-response evaluation of androgens in the treatment of metastatic breast cancer. Talley RW, et al. **Cancer** 32:315-20, Aug 73

DYDROGESTERONE

ADMINISTRATION & DOSAGE

[Therapy of endometriosis with dydrogesterone (Duphaston Depot) in delayed-action preparation form] Obolensky W, et al.
Ther Umsch 30:558-61, Jul 73 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Gonadotropin therapy from the viewpoint of gynecologic office practice] Denzler U.
Geburtshilfe Frauenheilkd 33:581-3, Jul 73 (Eng. Abstr.) **(Ger)**

[Therapy of endometriosis with dydrogesterone (Duphaston Depot) in delayed-action preparation form] Obolensky W, et al.
Ther Umsch 30:558-61, Jul 73 (Eng. Abstr.) **(Ger)**

ESTRADIOL

Subcellular distribution of glucuronyltransferase and its relevance for the enterohepatic circulation of oestrogens. Rao GS, et al.
Acta Endocrinol [Suppl] (Kbh) 173:6, 1973

Dihydrotestosterone receptor in human mammary cancer. Wagner RK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:65, 1973

Preparation of protein-steroid conjugates and antisera against oestradiol-17 . Martinsson K, et al.
Acta Vet Scand 14:278-91, 1973

In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Van Doorn EJ, et al.
Biochim Biophys Acta 309:254-62, 6 Jun 73

Radioimmunoassay of oestriol in pregnancy plasma. Wilson GR. **Clin Chim Acta** 46:297-304, 14 Jul 73

Sexual differences in hepatic sulphuryiation of deoxcorticosterone in rats. Carlstedt-Duke J, et al.
Eur J Biochem 36:172-7, 2 Jul 73

Estrogen receptor in a human cell line (MCF-7) from breast carcinoma. Brooks SC, et al.
J Biol Chem 248:6251-3, 10 Sep 73

A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al.
J Biol Chem 248:5736-41, 25 Aug 73

Affinity chromatography and the purification of

estrogen receptors. Sica V, et al.
J Biol Chem 248:6543-58, 25 Sep 73
Purification of oestradiol receptors by affinity chromatography. Sica V, et al.
Nature [New Biol] 244:36-9, 11 Jul 73

ADMINISTRATION & DOSAGE

Immediate response of the plasma prolactin level to steroid hormone infusion in male and female cattle. Schams D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:38, 1973
Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972
The effect of estradiol infusion on uterine activity and peripheral levels of prostaglandin F and progesterone. Larsen JW, et al.
Am J Obstet Gynecol 117:276-9, 15 Sep 73
The effect of implanted gonadal hormones on feather pecking and cannibalism in pullets. Hughes BO.
Br Poult Sci 14:341-8, Jul 73
A counteraction of cortisol on lactation depressing effect of estradiol in the mouse. Mizuno H, et al.
Endocrinol Jap 20:167-74, Apr 73
LH release following steroid administration in ovariectomized rats. Legan SJ, et al.
Endocrinology 93:781-5, Oct 73
Role of estrogen and progesterone in facilitating LH release in 4-day cyclic rats. Mann DR, et al.
Endocrinology 93:694-9, Sep 73
Influence of estrogen on renal function and water intake in male rabbits rendered polyuric-polydipsic by food deprivation. Nocenti MR, et al.
Endocrinology 93:925-31, Oct 73
Effects of cis- and trans-clomiphene in the induction of sexual behavior. Ross JW, et al.
Endocrinology 93:681-5, Sep 73
Response of endometrial and myometrial glucose-6-phosphate dehydrogenase isoenzymes to estrogen. Sartini J, et al.
Endocrinology 93:990-3, Oct 73
Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73
Morphologic sex differences in primate brain areas involved in regulation of reproductive activity. Bubenik GA, et al. **Experientia** 29:619-21, 15 May 73
Testes of roosters treated with a single dose of estradiol dipropionate. Pantić VR, et al.
Gen Comp Endocrinol 21:108-17, Aug 73
5 Alpha-dihydrotestosterone-induced changes in the rat prostate. McGuire L, et al.
Invest Urol 11:101-5, Sep 73
Effect of estradiol-17beta on vaginal thermal conductance in cattle. Abrams RM, et al.
J Dairy Sci 56:1058-62, Aug 73
The effects of acute treatment with oestrogen on luteal volume in hysterectomized guinea-pigs. Donovan BT, et al. **J Endocrinol** 58:351-2, Aug 73
The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. **J Infect Dis** 128:243-6, Aug 73
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73
Neural localization of estrogen-sensitive sites for inhibition of ovulation in the golden hamster Mesocricetus auratus. Lisk RD, et al.
Neuroendocrinology 12:153-60, 1973
Neonatal androgen depresses female responsiveness to estrogen. Gerall AA, et al.
Physiol Behav 8:17-20, Jan 72
The role of estradiol 17 in the activation of the uterus during premature labor and the effect of Naproxen, an inhibitor of prostaglandin synthesis. Csapo AI, et al. **Prostaglandins** 3:839-46, Jun 73
A new class of long-acting hormonal steroid preparation: synthesis of oligomeric estradiol derivatives. Kuhl H, et al. **Steroids** 22:73-87, Jul 73
[Studies on the hormonal facilitation of experimental Escherichia-coli-pyelonephritis in the rat] Loew H, et al.
Int J Clin Pharmacol 7:303-6, Jul 73 (Eng. Abstr.) **(Ger)**

ANALYSIS

Gas chromatographic and mass spectrometric studi on oestrogens in bile. I. Pregnant women. Adlercreu H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Jul
[Testing tissues of slaughtered calves for the presen of exogenous oestrogens] Huis in 't Veld LG, et **Tijdschr Diergeneeskd** 98:749-57, 15 Aug 73 (Er Abstr.) **(Du**
[Infrared spectrophotometry in quantitative dr analysis. II. Assay of some steroids] Pawelczyk E, al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) **(P**

ANTAGONISTS & INHIBITORS

Histone acetylation and hormone action. Early effe of oestradiol-17beta on histone acetylation in uterus. Libby PR. **Biochem J** 130:663-9, Dec
Epithioandrostanol(10275-S), an estrogen antagoni Miyake T, et al. **Endocrinol Jap** 20:157-65, Apr
A counteraction of cortisol on lactation depressi effect of estradiol in the mouse. Mizuno H, et **Endocrinol Jap** 20:167-74, Apr 73
Effects of cis- and trans-clomiphene in the induction sexual behavior. Ross JW, et al.
Endocrinology 93:681-5, Sep 73
Prolonged effects of a single administration clomiphene citrate on the cervix & vagina in during delayed implantation. Sankaran MS, et **Indian J Exp Biol** 10:401-4, Nov 72
Antifertility activities in the mouse and rat triarylalkenes and triarylalkanols with basic eth groups. Emmens CW. **J Reprod Fertil** 34:23-8, Jul
Further studies of compounds exhibiting prolon antioestrogenic and antifertility activity in t mouse. Emmens CW, et al.
J Reprod Fertil 34:29-40, Jul 73
Inhibitors of implantation. Emmens CW.
J Reprod Fertil [Suppl] 18:177-84, Jul 73
Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergolin derivative. Schreiber B, et al.
Physiol Bohemoslov 22:11-7, 1973

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries hypophysectomized immature rats treated wi human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73
In vitro sterol and steroid biogenesis by a feminiz adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
Evaluation of placental steroid 3-sulfatase an aromatase activities as regulators of estroge production in human pregnancy. Townsley JD, et **Am J Obstet Gynecol** 117:345-50, 1 Oct 73
Steroid sulphation in vitro by human breast car tissue. Melville E, et al. **Br J Cancer** 28:77, Jul
Inhibition of testosterone biosynthesis by medrogestone. Givner ML, et al.
Experientia 28:1105-6, 15 Sep 72
Steroid biosynthesis by gonads of 7- and 10-day chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73
The stimulatory action of the prostaglandins on production of oestrogens by the human place perfused in vitro. Aisat E, et al.
Prostaglandins 3:145-53, Feb 73
The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the ef of ovine LH on thecal aromatization. YoungLai **Steroids Lipids Res** 4:11-6, 1973
The aromatization of (7 -3H) androstenedione human placental mitochondria. Renwick AG, e **Steroids** 22:123-32, Jul 73

BLOOD

Specific radioimmunological determination wit chromatography of plasma oestradiol in males. D P, et al. **Acta Endocrinol (Kbh)** 73:314-20, Ju
Concentrations of oestradiol-17 beta, oestrone progesterone in jugular venous plasma of cows du the oestrous cycle and in early pregnancy. Glenc RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Ju
Variations in plasma aldosterone and plasma r activity throughout the menstrual cycle, with sp reference to the pre-ovulatory period. Sundsfjor et al. **Acta Endocrinol (Kbh)** 73:499-508, Ju

Specific radioimmunologic determination of plasma oestradiol in males without chromatography. Doerr P, et al. **Acta Endocrinol [Suppl] (Kbh) 173:108, 1973**

Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase deficiency? Knorr D, et al. **Acta Endocrinol [Suppl] (Kbh) 173:37, 1973**

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al. **Acta Endocrinol [Suppl] (Kbh) 173:116, 1973**

Plasma gonadotropin and ovarian steroid levels in uterovaginal atresia. A case report. D'Alberton A, et al. **Am J Obstet Gynecol 117:389-91, 1 Oct 73**

The effect of estradiol infusion on uterine activity and peripheral levels of prostaglandin F and progesterone. Larsen JW, et al. **Am J Obstet Gynecol 117:276-9, 15 Sep 73**

Plasma estrogens in postmenopausal women. Rader MD, et al. **Am J Obstet Gynecol 116:1069-73, 15 Aug 73**

Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al. **Am J Physiol 225:508-12, Aug 73**

Cycles of mating behaviour, oestrogen and progesterone in the thick-tailed bushbaby (Galago crassicaudatus crassicaudatus) under laboratory conditions. Eaton GG, et al. **Anim Behav 21:309-15, May 73**

Estrogen-androgen imbalance in hepatic cirrhosis. Studies in 13 male patients. Chopra IJ, et al. **Ann Intern Med 79:198-203, Aug 73**

Changes in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during late pregnancy and at parturition. Chamley WA, et al. **Biol Reprod 9:30-5, Aug 73**

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al. **Biomedicine [Express] 19:77-81, 10 Feb 73**

The concentrations of progesterone, estrone and estradiol-17 beta in the plasma of pregnant rabbits. Challis JR, et al. **Endocrinology 93:971-6, Oct 73**

An analysis of the negative feedback control of gonadotropin secretion utilizing chronic implantation of ovarian steroids in ovariectomized rhesus monkeys. Karsch FJ, et al. **Endocrinology 93:478-86, Aug 73**

Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al. **Endocrinology 93:843-7, Oct 73**

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al. **Endocrinology 93:954-9, Oct 73**

ntravenous prostaglandin F2alpha for induction of menses. Wentz AC, et al. **Fertil Steril 24:569-77, Aug 73**

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al. **Int J Fertil 18:65-73, 1973**

oncentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab 37:254-60, Aug 73**

ehavioural and morphological changes in the mallard and their relationship to plasma oestrogen concentrations. Humphreys PN. **J Endocrinol 58:353-4, Aug 73**

linical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol 58:33-4, Aug 73**

erum oestrogens and progesterone after normal delivery. Said S, et al. **J Obstet Gynaecol Br Commonw 80:542-5, Jun 73**

easurement of steroid hormones using intracellular receptor proteins. Korenman SG. **Metabolism 22:1083-8, Aug 73 (44 ref.)**

ransient luteolytic effect of prostaglandin F2alpha in he human. Wentz AC, et al. **Obstet Gynecol 42:172-81, Aug 73**

rmination of early gestation with vaginal rostaglandin F2 alpha tablets. Corlett RC, et al. **Prostaglandins 2:453-64, Dec 72**

e efficacy and acceptability of the "prostaglandin mpact" in inducing complete abortion during the econd week after the missed menstrual period. apo AI, et al. **Prostaglandins 3:125-39, Feb 73**

eroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al. **Prostaglandins 4:17-30, Jul 73**

Changes in estrogen levels in maternal venous plasma after intra-amniotic infusion of prostaglandin F2 for therapeutic abortion. Shutt DA, et al. **Prostaglandins 4:291-9, Aug 73**

Hormones in the aetiology and clinical course of breast cancer. Wang DY, et al. **Recent Results Cancer Res 39:177-83, 1972**

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids 22:47-61, Jul 73**

Variations in the concentrations of androstenedione in peripheral plasma of women the day and during the menstrual cycle. Lobotsky J, et al. **Steroids 22:133-7, Jul 73**

[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al. **Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Eng. Abstr.) (Fre)**

[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A. **Zentralbl Gynaekol 95:646-51, 11 May 73 (Ger)**

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma) 25:424-33, Oct 72 (Eng. Abstr.) (Ita)**

[Radioimmunoassay of gonadal steroid hormones. 2. Radioimmunoassay of estradiol] Yoshida T, et al. **Clin Endocrinol (Tokyo) 21:651-6, Jun 73 (Jap)**

[Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Aoki T. **Folia Endocrinol Jap 49:612-8, 20 Mar 73 (Eng. Abstr.) (Jap)**

[Radioimmunoassay of plasma sex steroid hormones] Makino T. **Folia Endocrinol Jap 49:629-45, 20 Mar 73 (Eng. Abstr.) (Jap)**

[Radioimmunoassay of estrogens] Shoda T. **Folia Endocrinol Jap 49:1011-24, 20 Jul 73 (Eng. Abstr.) (Jap)**

[Physiology of the ovary. I] Cortés-Gallegos V. **Arch Invest Med (Mex) 4:29-40, 1973 (Eng. Abstr.) (Spa)**

[Physiology of the ovary. 3] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 4:51-68, 1973 (Eng. Abstr.) (Spa)**

CHEMICAL SYNTHESIS

A new class of long-acting hormonal steroid preparation: synthesis of oligomeric estradiol derivatives. Kuhl H, et al. **Steroids 22:73-87, Jul 73**

METABOLISM

Metabolism of oestradiol-17beta in the human uterus in vitro. Ball P, et al. **Acta Endocrinol [Suppl] (Kbh) 173:3, 1973**

16Alpha-hydroxylase activity in uterine tissue of the rhesus monkey. Breckwoldt M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:4, 1973**

Influence of genetic factors on the metabolism of oestrogens in the liver. Breuer H, et al. **Acta Endocrinol [Suppl] (Kbh) 173:5, 1973**

Metabolism of 2-hydroxyoestrogen methyl ethers in the rat liver. Hoppen HO, et al. **Acta Endocrinol [Suppl] (Kbh) 173:2, 1973**

Metabolism of estradiol in isolated perfused rat liver. Kuss E, et al. **Acta Endocrinol [Suppl] (Kbh) 173:1, 1973**

Interrelationship of two microsomal estrogen receptor molecules. Little M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:67, 1973**

Synthesis of glucuronides of 2-hydroxylated oestrogens and their methyl ethers. Röhle G, et al. **Acta Endocrinol [Suppl] (Kbh) 173:7, 1973**

The inhibition of hormone-dependent rat mammary cancer by clomiphene isomers. Wüstenberg B, et al. **Acta Endocrinol [Suppl] (Kbh) 173:66, 1973**

The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin 12:381-401, 1972 (26 ref.)**

Biotransformation of steroids by the skin. Berliner DL. **Adv Biol Skin 12:357-65, 1972 (36 ref.)**

Quantitation of radio-ligand binding data using a desk-top calculator in the program mode. Brooks WF Jr, et al. **Anal Biochem** 54:464-76, Aug 73
Histone acetylation and hormone action. Early effects of oestradiol-17beta on histone acetylation in rat uterus. Libby PR. **Biochem J** 130:663-9, Dec 72
Specific estrogen receptors in the lactating mammary gland of the rat. Gardner DG, et al. **Biochemistry** 12:3090-6, 31 Jul 73
Determination of in vitro hormone dependence of human breast cancer. Flax H, et al. **Br J Cancer** 28:76, Jul 73
Demonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 73
In vivo uptake of labelled oestradiol by benign and malignant tumours of the human breast. O'Higgins NJ, et al. **Br J Cancer** 28:76, Jul 73
Role of 2,4-dichlorophenol in the oxidation of estradiol by uterine and horseradish peroxidase. Lyttle CR, et al. **Can J Biochem** 51:1066-71, Jul 73
Estradiol receptors in benign and malignant disease of the breast. Leung BS, et al. **Clin Chim Acta** 46:69-76, 14 Jun 73
Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al. **Endocrinology** 93:711-7, Sep 73
Estrogen receptor in a prolactin secreting pituitary tumor (MtTW5). McGuire WL, et al. **Endocrinology** 93:810-3, Oct 73
An insoluble receptor for oestrogens in the "residual" nuclear proteins of chick-liver. Lebeau MC, et al. **Eur J Biochem** 36:294-300, 2 Jul 73
Changes in the activities of hepatic microsomal enzymes caused by DDT and dieldrin. Sell JL, et al. **Fed Proc** 32:2003-9, Sep 73
Estrogen receptor in a human cell line (MCF-7) from breast carcinoma. Brooks SC, et al. **J Biol Chem** 248:6251-3, 10 Sep 73
Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al. **J Biol Chem** 248:5873-9, 25 Aug 73
Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. Tsai HC, et al. **J Biol Chem** 248:5967-75, 10 Sep 73
A comparative study of in vitro 3H-17B estradiol binding in gingiva, skeletal muscle and uterus of ovariectomized rabbits. Rubright WC, et al. **J Periodont Res** 8:304-13, 1973
On the mechanism of antiatherosclerotic agents: microchemical studies on the in vitro effects of pyridinol carbamate and estrogen (premarin) on phosphofructokinase and malate dehydrogenase in the arterial wall. Numano F, et al. **Mech Ageing Dev** 2:43-53, Apr-May 73
Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73
Oestrogenic stimulation of macromolecular synthesis is correlated with nuclear hormone-receptor complex in neonatal rat uterus. Luck IN, et al. **Nature** [New Biol] 245:24-5, 5 Sep 73
Purification of oestradiol receptors by affinity chromatography. Sica V, et al. **Nature** [New Biol] 244:36-9, 11 Jul 73
The use of oestradiol uptake and binding-site studies in endometrial and ovarian carcinoma. Taylor RW, et al. **Postgrad Med J** 49:77, Feb 73
Binding of prostaglandins and cytochrome P-450. Tan L, et al. **Prostaglandins** 4:9-16, Jul 73
Estrogen-receptor interaction. Jensen EV, et al. **Science** 182:126-34, 12 Oct 73 (57 ref.)
Progesterone binding in the immature mouse and rat uterus. Philibert D, et al. **Steroids** 22:89-98, Jul 73
[Formation of complex 3H-estradiol-macromolecules in cytosolic and nuclear fractions of fetal guinea-pig renal tissue] Pasqualini JR, et al. **C R Acad Sci [D] (Paris)** 276:3359-62, 18 Jun 73 **(Fre)**
[Estrone and 17-beta estradiol conversion in placenta in protracted pregnancies] Jakowicki J. **Ginekol Pol** 44:629-34, Jun 73 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

The 5 beta-metabolites of testosterone: mode and sex-specificity of their formation in the rat liver. Ghraf R, et al. **Acta Endocrinol (Kbh)** 73:577-84, Jul 73
Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:116, 1973
Sialic acid content and organ weight of vagina a uterus as parameter for finding predominant vaginotrophic or uterotrophic estrogens. Nishino et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1
Influence of steroid hormones on the response LH-RH in the eye-ovary-transplant of the rabb Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:82, 1973
Pituitary reserve capacity and pituitary responsiven to LH-RH during the estrus cycle in sheep. Sandow et al. **Acta Endocrinol [Suppl] (Kbh)** 173:84, 1
Immediate response of the plasma prolactin level steroid hormone infusion in male and female cat Schams D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:38, 1973
Adenohypophysial growth and thyroxine bindi effects of steroid hormones. Schreiber V, et **Acta Univ Carol [Med Monogr] (Praha)** 51:9-157, 1
The role of cyclic AMP in lysosome mobilization their nucleotropic translocation in steroid hormo target cells. Szego CM. **Adv Cyclic Nucleotide Res** 1:541-64, 1972 (50 r
The effect of estradiol infusion on uterine activity peripheral levels of prostaglandin F and progesterone. Larsen JW, et al. **Am J Obstet Gynecol** 117:276-9, 15 Sep 73
Serum iron and ferroxidase activity in norm copper-deficient, and estrogenized roosters. Plana et al. **Am J Physiol** 225:423-8, Aug 73
Pituitary-gonadal regulation of copper and zi metabolism in the female rat. Sato N, et **Am J Physiol** 225:508-12, Aug 73
Early steps in estradiol-induced vaginal cornificatio spayed mice: kinetic study with 3H-thymidine. Gal P, et al. **Anat Rec** 176:455-60, Aug 73
Regulation of hormonally mediated maternal r structure in the mouse (Mus musculus) as a funct of neonatal hormone manipulation. Lisk RD, et **Anim Behav** 21:296-301, May 73
Hormonal effect on glycoproteins and glycosaminoglycans in rabbit uteri. Endo M, et **Arch Biochem Biophys** 156:397-403, Jun 73
The oestrogen-stimulated synthesis of heterogene nuclear ribonucleic acid in the uterus of immat rats. Knowler JT, et al. **Biochem J** 131:689-97, Ap
Histone acetylation and hormone action. Early eff of oestradiol-17beta on histone acetylation in uterus. Libby PR. **Biochem J** 130:663-9, Dec
Adrenal microsomal C19-steroid 5alpha-reducta activity in the Snell transplantable rat adrenocort tumour 494 and the effect of oestradiol, testoster propionate and adrenocorticotrophin in intact gonadectomized rats. Maynard PV, et al. **Biochem J** 132:293-300, Feb 73
Studies on the postnatal development of response hepatic histidase to endocrine control. Feigelson **Biochim Biophys Acta** 304:669-85, 28 May 7
Inhibition of 5 -reductase activity of rat prostate estradiol derivatives. Bonne C, et al. **Biochimie** 55:227-9, 1973
Some characteristics of the uptake process in isolated blood perfused cat spleen resistant desmethylimipramine and 17- -oestradiol. Blak AG, et al. **Br J Pharmacol** 47:634P-635P, Mar
The effect of ovarian steroids on the uptake 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissu vitro. Endersby CA, et al. **Br J Pharmacol** 47:647P-648P, Mar 73
The accumulation and metabolism of (-)-noradrena by cells in culture. Powis G. **Br J Pharmacol** 47:568-75, Mar 73
The effect of implanted gonadal hormones on fea pecking and cannibalism in pullets. Hughes **Br Poult Sci** 14:341-8, Jul 73
Effects of neonatally administered sex steroids 7,12-dimethylbenz(a)anthracene-induced mamm neoplasia in rats. Shellabarger CJ, et al. **Cancer Res** 33:1567-9, Jul 73
Effect of sex hormones on the activity of pro kinases in rat ventral prostate and uterus. Ichii al. **Endocrinol Jap** 20:33-7, Feb 73
Effects of electrical stimulation of the brain on se and pituitary concentrations of gonadotropin in estrogenized rat. Kawakami M, et al. **Endocrinol Jap** 20:59-66, Feb 73 (Eng. Abstr.)
Further studies on the luteotropic action of estrog rats. Uchida K, et al. **Endocrinol Jap** 20:103-10, A

Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al. **Endocrinology** 93:711-7, Sep 73

Development of cortisol binding in the rhesus monkey. Beamer N, et al. **Endocrinology** 93:363-8, Aug 73

Hormonal factors influencing salt appetite in pregnancy. Covelli MD, et al. **Endocrinology** 93:423-9, Aug 73

Time interval between injection of estradiol benzoate and LH release in the rat and effect of actinomycin D or cycloheximide. Jackson GL. **Endocrinology** 93:887-92, Oct 73

An analysis of the negative feedback control of gonadotropin secretion utilizing chronic implantation of ovarian steroids in ovariectomized rhesus monkeys. Karsch FJ, et al. **Endocrinology** 93:478-86, Aug 73

Lordosis reflex intensity in rats in relation to the estrous cycle, ovariectomy, estrogen administration and mating behavior. Komisaruk BR, et al. **Endocrinology** 93:548-57, Sep 73

Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaired growth, luteotropic stimulation and advanced ovulation. Krey LC, et al. **Endocrinology** 93:377-84, Aug 73

The estrogen-induced advance in the cyclic LH surge in the rat: dependency on ovarian progesterone secretion. Krey LC, et al. **Endocrinology** 93:385-90, Aug 73

LH release following steroid administration in ovariectomized rats. Legan SJ, et al. **Endocrinology** 93:781-5, Oct 73

Role of estrogen and progesterone in facilitating LH release in 4-day cyclic rats. Mann DR, et al. **Endocrinology** 93:894-9, Sep 73

Effects of estrogens on renin substrate and uterine weights in rats. Ménard J, et al. **Endocrinology** 93:747-51, Sep 73

In vitro studies of pituitary-median eminence unit. Miyachi Y, et al. **Endocrinology** 93:492-6, Aug 73

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73

Influence of estrogen on renal function and water intake in male rabbits rendered polyuric-polydipsic by food deprivation. Nocenti MR, et al. **Endocrinology** 93:925-31, Oct 73

Estrogen-dependent 24-hour periodicity in pituitary LH release in the female hamster. Norman RL, et al. **Endocrinology** 93:965-70, Oct 73

Effects of cis- and trans-clomiphene in the induction of sexual behavior. Ross JW, et al. **Endocrinology** 93:681-5, Sep 73

Response of endometrial and myometrial glucose-6-phosphate dehydrogenase isoenzymes to estrogen. Sartini J, et al. **Endocrinology** 93:990-3, Oct 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73

Effect of estradiol benzoate on the degradation of insoluble collagen of rat skin. Skosey JL, et al. **Endocrinology** 93:311-5, Aug 73

Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts. Spies HG, et al. **Endocrinology** 93:814-21, Oct 73

Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73

Effect of steroid and other hormones on lung removal of noradrenaline. Iwasawa Y, et al. **Jpn J Pharmacol** 22:367-70, Jun 73

Neurophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al. **Experientia** 29:878-9, 1973

Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats. Scacchi P, et al. **Experientia** 29:877-8, 1973

Specific effect of estrogens on an interaction between the uterine estradiol receptor and DNA. Andre J, et al. **FEBS Lett** 29:135-40, 15 Jan 73

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73

Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al. **Gen Comp Endocrinol** 21:148-51, Aug 73

Testes of roosters treated with a single dose of estradiol dipropionate. Pantić VR, et al. **Gen Comp Endocrinol** 21:108-17, Aug 73

Effects of various mating stimuli on the LH surge and ovulation time following synchronization of estrus in the bovine. Randel RD, et al. **J Anim Sci** 37:128-30, Jul 73

Regulation of hydroxylation of 5 alpha-androstane-3 beta, 17 beta-diol in liver microsomes from male and female rats. Berg A, et al. **J Biol Chem** 248:6559-67, 25 Sep 73

Phosvitin kinase from the liver of the rooster. Purification and partial characterization. Goldstein JL, et al. **J Biol Chem** 248:6300-7, 25 Sep 73

Mechanisms regulating the concentration and the conformation of progesterone receptor(s) in the uterus. Milgrom E, et al. **J Biol Chem** 248:6366-74, 25 Sep 73

Effect of estradiol-17beta on vaginal thermal conductance in cattle. Abrams RM, et al. **J Dairy Sci** 56:1058-62, Aug 73

Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, et al. **J Endocrinol** 58:343-4, Aug 73

Studies with stilboestrol analogues in relation to prostatic function. Danutra V, et al. **J Endocrinol** 58:28-9, Jul 73

The effects of acute treatment with oestrogen on luteal volume in hysterectomized guinea-pigs. Donovan BT, et al. **J Endocrinol** 58:351-2, Aug 73

The influence of the oestrogen secreted before oestrus on the timing of end ometrial sensitivity and insensitivity during implantation. Finn CA, et al. **J Endocrinol** 56:619-20, Mar 73

The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:185-92, Aug 73

Rat adrenal 5alpha-reductase activity and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al. **J Endocrinol** 58:7-8, Jul 73

Preliminary observations on the effects of luteinizing hormone releasing factor and oestradiol-17beta on plasma gonadotrophin levels in the anoestrous ewe. Symons AM, et al. **J Endocrinol** 58:12-3, Jul 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Rapid accumulation of H3-serotonin in brains of rats receiving intraperitoneal H3-tryptophan: effects of 5,6-dihydroxytyptamine or female sex hormones. Hyyppä MT, et al. **J Neural Transm** 34:111-24, 1973

Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. Hipkin LJ. **J Reprod Fertil** 34:175-7, Jul 73

The effects of testosterone, dihydrotestosterone and oestradiol on the comb and oviduct of the female domestic fowl. Zeller FJ. **J Reprod Fertil** 34:147-8, Jul 73

Factors involved in the failure of sperm transport and survival in the female reproductive tract. Robinson TJ. **J Reprod Fertil [Suppl]** 18:103-9, Jul 73 (9 ref.)

Induction of intranuclear inclusions by estrogen in mammotrophs of the Mongolian gerbil. Nickerson PA. **J Ultrastruct Res** 44:41-8, Jul 73

Serum acid phosphatase activity during hemorrhagic shock. Ramazzotto LJ, et al. **Life Sci [II]** 12:563-73, 22 Jun 73

Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73

Oestrogenic stimulation of macromolecular synthesis is correlated with nuclear hormone-receptor complex in neonatal rat uterus. Luck IN, et al. **Nature [New Biol]** 245:24-5, 5 Sep 73

Neural localization of estrogen-sensitive sites for inhibition of ovulation in the golden hamster Mesocricetus auratus. Lisk RD, et al. **Neuroendocrinology** 12:153-60, 1973

Neonatal androgen effects on open-field activity and sexual behavior in the female rat: the modifying influence of ovarian secretions during development. Blizard D, et al. **Physiol Behav** 11:65-9, Jul 73

Female receptivity in neonatally castrated males as a

ESTRADIOL

function of age and experience. Dunlap JL, et al. **Physiol Behav** 8:21-3, Jan 72

Neonatal androgen depresses female responsiveness to estrogen. Gerall AA, et al. **Physiol Behav** 8:17-20, Jan 72

Neonatal gonadal hormones: effect on maternal and sexual behavior in the female rat. Quadagno DM, et al. **Physiol Behav** 11:251-4, Aug 73

Modification of behavioral estrus in the guinea pig following intracranial cycloheximide. Wallen K, et al. **Physiol Behav** 8:221-3, Feb 72

Female sexual behavior in male rats treated prenatally with an anti-androgen. Ward IL. **Physiol Behav** 8:53-6, Jan 72

Sexual and hormonal influences on eating, taste preferences, and body weight of hamsters. Zucker I, et al. **Physiol Behav** 8:101-11, Jan 72

A rat mammary carcinoma in vivo and in vitro: establishment of clonal lines of the tumor. Kano-Sueoka T, et al. **Proc Natl Acad Sci USA** 70:1922-6, Jul 73

The role of estradiol 17 in the activation of the uterus during premature labor and the effect of Naproxen, an inhibitor of prostaglandin synthesis. Csapo AI, et al. **Prostaglandins** 3:839-46, Jun 73

Ovariectomy induced placental hypertrophy. Csapo AI, et al. **Prostaglandins** 4:189-200, Aug 73

Indomethacin lengthens the oestrous cycle of the guinea-pig when given orally with oestrogen or when implanted within the uterine lumen. Marley PB. **Prostaglandins** 4:251-61, Aug 73

Effect of exogenous estradiol and progesterone on the uterine tissue levels of prostaglandin F2 (PGF2) in ovariectomized mice. Saksena SK, et al. **Prostaglandins** 3:317-22, Mar 73

A new class of long-acting hormonal steroid preparation: synthesis of oligomeric estradiol derivatives. Kuhl H, et al. **Steroids** 22:73-87, Jul 73

[Effect of estradiol benzoate on the activity of various enzymes of the rat's aorta] Janda J, et al. **Cas Lek Cesk** 112:773-7, 1973 (Eng. Abstr.) **(Cze)**

[Testing tissues of slaughtered calves for the presence of exogenous oestrogens] Huis in 't Veld LG, et al. **Tijdschr Diergeneeskd** 98:749-57, 15 Aug 73 (Eng. Abstr.) **(Dut)**

[Changes in various biochemical values in the blood and liver of Xenopus laevis females treated with estrogens] Broch E, et al. **Arch Biol (Liege)** 83:283-95, 1972 (Eng. Abstr.) **(Fre)**

[Initial reactions of vaginal canal epithelium in newborn mice treated with a weak dose of estradiol] Juillard MT. **C R Soc Biol (Paris)** 166:1499-503, 1972 **(Fre)**

[On the cytochemistry of lysosomes in the rat kidney under normal and experimental conditions] Zeller J. **Histochemie** 35:235-62, 30 May 73 (Eng. Abstr.) **(Ger)**

[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) **(Ger)**

[Effect of nerobolil, testosterone phenylpropionate and estradiol on the level of total phospholipids and glycogen in the rat uterus] Liashenkova SK. **Probl Endokrinol (Mosk)** 19:82-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Hormonal method of inactivating the corpora lutea] Petrushkin IuS. **Veterinariia** 7:103-4, Jul 72 **(Rus)**

PHYSIOLOGY

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73

THERAPEUTIC USE

Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats. Shellabarger CJ, et al. **Cancer Res** 33:1567-9, Jul 73

The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone. Wolff SM, et al. **J Infect Dis** 128:243-6, Aug 73

Studies in depression. II. Treatment of the depressed, frigid woman. Bailey HR. **Med J Aust** 1:834-7, 28 Apr 73

The anoestrous syndrome in New Zealand dairy cattle. 1. A preliminary investigation. Fielden ED, et al. **NZ Vet J** 21:77-81, May 73

[Short-term therapy of secondary amenorrhea] Brunclik V, et al. **Ther Umsch** 30:496-502, Jul 73 (Eng. Abstr.) **(Ge**

[Effects of a cycle-regulating 2-phase preparation peripheral and central cycle function] Schneider W et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) **(Ge**

[Therapy of prostatic carcinoma and follow-up cont (II)] Alken CE, et al. **Urologe [A]** 12:191-7, Jul 73 (Eng. Abstr.) **(Ge**

[Functional state of the adrenal cortex in cancer a adenoma of the prostate in the process of estrog therapy] Klepikov FA, et al. **Urol Nefrol (Mosk)** 37:38-42, Nov-Dec 72 (Eng. Abst **(R**

TOXICITY

Effect of estrogen on pregnancy in protein defici rats. Saxena UC, et al. **Indian J Exp Biol** 10:449-51, Nov 72

URINE

Studies on sustained contraceptive effects wi subcutaneous polydimethylsiloxane implants. Maintenance of ovarian function in patients w megestrol acetate implants. Benagiano G, et **Acta Endocrinol (Kbh)** 73:347-59, Jun 73

Evaluation of placental steroid 3-sulfatase an aromatase activities as regulators of estroge production in human pregnancy. Townsley JD, et **Am J Obstet Gynecol** 117:345-50, 1 Oct 73

Enzyme modulation as an approach to clinical analy investigations on the feasibility on the method the problems encountered. Comerton A, et **FEBS Lett** 33:301-4, 15 Jul 73

Radioimmunoassay of urinary oestradiol. Hunter W et al. **J Endocrinol** 58:xxi, Jul 73

Oestrogen excretion in two cows with cystic ova through periods of frequent rectal palpations after HCG--progesterone therapy. Lunaas T, et **Nord Vet Med** 24:177-80, Apr 73

[Modus of hormonal excretion and hormonal effect 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abs **(G**

[Estrogen level in the peripheral blood and u during the last days of pregnancy, during labor an the puerperium] Oszczygiel A. **Zentralbl Gynaekol** 95:646-51, 11 May 73 **(G**

[Pattern of luteotropic activity in urine of matu girls] Krawczuk A, et al. **Endokrynol Pol** 24:233-40, May-Jun 73 (Eng. Abs **(**

[Age-related dynamics of estrogen excretion in and its changes in pathological climacteric hypogonadism] Vartapetov BA, et al. **Probl Endokrinol (Mosk)** 19:45-9, May-Jun 73 (Abstr.) **(R**

[Correlation of urine estradiol levels in 24-h samples and the 1st miction of the day] Karchmer al. **Ginecol Obstet Mex** 34:43-7, Jul 73 (Eng. Abstr.) **(S**

ESTRANES

Oestrone specific antisera raised against oestrone-6-(O-carboxymethyl) oxime-bovine se albumin. Rowe PH, et al. **Steroids Lipids Res** 4:24-9, 1973

[Hydrolysis of glucosiduronates of urinary ster related to pregnane and estrane by a new fast-ac E. coli beta-glucuronidase] Scholler R, et **C R Acad Sci [D] (Paris)** 276:3363-6, 18 Jun 73 (

ADMINISTRATION & DOSAGE

Combined therapy with clomid and epimestrol. Sel et al. **Acta Obstet Gynaecol Jap** 19:125-30, Ap

ANALYSIS

Gas chromatographic and mass spectrometric stu on oestrogens in bile. I. Pregnant women. Adlercr H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Ju

[Identification of 1,3,5(10)-Estratiene-6-ones] Hofmeister H, et al. **Chem Ber** 106:723-6, 1973 (

CHEMICAL SYNTHESIS

[Synthesis and experimental findings on the estrogenic, antigonadotropic and fertility-inhibiting activity of 17beta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold K, et al. **Pharmazie** 28:371-6, Jun 73 **(Ger)**

METABOLISM

Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al. **J Biol Chem** 248:6154-62, 10 Sep 73

PHARMACODYNAMICS

Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al. **Endocrinol Jap** 19:525-32, Dec 72

Inhibition of nuclear testosterone 5 alpha-reductase in rat ventral prostate by estrogens and anti-androgens. Shimazaki J, et al. **Endocrinol Jap** 19:585-8, Dec 72

A new model for studying the effect of drugs on prostatic growth. I. Antiandrogens and DNA synthesis. Sufrin G, et al. **Invest Urol** 11:45-54, Jul 73

Synthesis and experimental findings on the estrogenic, antigonadotropic and fertility-inhibiting activity of 17beta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold K, et al. **Pharmazie** 28:371-6, Jun 73 **(Ger)**

Characteristics of the interaction of 17-beta-hydroxysteroid dehydrogenase from the human placenta with certain steroid compounds] Cherniavskaia MA, et al. **Izv Akad Nauk SSSR [Biol]** 4:588-96, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Combined therapy with clomid and epimestrol. Seki M, et al. **Acta Obstet Gynaecol Jap** 19:125-30, Apr 72

Human chorionic gonadotropin (HCG) excretion in the urine in habitual threatened abortion treated with gestanon] Wawryk R, et al. **Ginekol Pol** 44:665-70, Jun 73 (Eng. Abstr.) **(Pol)**

ESTRIOL

ADMINISTRATION & DOSAGE

Effects of estriol treatment of male rats and mice on the fertility of mated females. Wu JT, et al. **Fertil Steril** 24:687-91, Sep 73

ADVERSE EFFECTS

Trial of hormone treatment of dry kerato-conjunctivitis] Prijot E, et al. **Bull Soc Belge Ophtalmol** 162:795-800, 1972 **(Fre)**

ANALYSIS

Gas chromatographic and mass spectrometric studies on oestrogens in bile. I. Pregnant women. Adlercreutz H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Jul 73

Estriol conjugates in amniotic fluid. Qualitative and quantitative aspects, including preliminary studies in Rh isoimmunization. Tikkanen MJ, et al. **Acta Endocrinol (Kbh)** 73:555-66, Jul 73

The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER. **Akush Ginekol (Mosk)** 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al. **Acta Endocrinol (Kbh)** 73:518-30, Jul 73

Estriol in plasma. A compartmental study. Klopper A, et al. **Am J Obstet Gynecol** 117:21-6, 1 Sep 73

BLOOD

Radioimmunologic determination of plasma estriol in pregnancy with anti-estriol-C6 conjugate-antiserum. Goebel R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:109, 1973

Estriol in plasma. A compartmental study. Klopper A, et al. **Am J Obstet Gynecol** 117:21-6, 1 Sep 73

Application of plasma estriol estimations in the management of high-risk pregnancies. Mathur RS, et al. **Am J Obstet Gynecol** 117:210-9, 15 Sep 73

An assessment of "free" and conjugated estriol in uncomplicated and complicated pregnancy plasma. Mathur RS, et al. **Am J Obstet Gynecol** 117:316-20, 1 Oct 73

Radioimmunoassay for estrogens in maternal blood in late pregnancy: values for normal and complicated pregnancy. Podoba V, et al. **Am J Obstet Gynecol** 117:321-30, 1 Oct 73

Radioimmunoassay of oestriol in pregnancy plasma. Wilson GR. **Clin Chim Acta** 46:297-304, 14 Jul 73

Plasma oestriol in pregnancy complicated by essential hypertension. Masson GM. **J Obstet Gynaecol Br Commonw** 80:712-7, Aug 73

Plasma oestriol in pregnancy complicated by diabetes mellitus. Masson GM, et al. **J Obstet Gynaecol Br Commonw** 80:536-41, Jun 73

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG. **Metabolism** 22:1083-8, Aug 73 (44 ref.)

Changes in estrogen levels in maternal venous plasma after intra-amniotic infusion of prostaglandin F2 for therapeutic abortion. Shutt DA, et al. **Prostaglandins** 4:291-9, Aug 73

[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A. **Zentralbl Gynaekol** 95:646-51, 11 May 73 **(Ger)**

[Radioimmunoassay of plasma sex steroid hormones] Makino T. **Folia Endocrinol Jap** 49:629-45, 20 Mar 73 (Eng. Abstr.) **(Jap)**

METABOLISM

16Alpha-hydroxylase activity in uterine tissue of the rhesus monkey. Breckwoldt M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:4, 1973

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:50, 1973

Estriol in plasma. A compartmental study. Klopper A, et al. **Am J Obstet Gynecol** 117:21-6, 1 Sep 73

Application of plasma estriol estimations in the management of high-risk pregnancies. Mathur RS, et al. **Am J Obstet Gynecol** 117:210-9, 15 Sep 73

Effects of castration, androgens, and estrogens on steroid levels in the dog prostate. Varkarakis MJ, et al. **Invest Urol** 11:106-13, Sep 73

The metabolism of estriol in rabbits. Kirdani RY, et al. **Steroids** 22:1-18, Jul 73

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina and uterus as parameter for finding predominantly vaginotrophic or uterotrophic estrogens. Nishino Y, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1973

Histone acetylation and hormone action. Early effects of oestradiol-17beta on histone acetylation in rat uterus. Libby PR. **Biochem J** 130:663-9, Dec 72

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73

Effects of estriol treatment of male rats and mice on the fertility of mated females. Wu JT, et al. **Fertil Steril** 24:687-91, Sep 73

Effects of castration, androgens, and estrogens on steroid levels in the dog prostate. Varkarakis MJ, et al. **Invest Urol** 11:106-13, Sep 73

[Endocrinological and clinical findings following the administration of estriol in small animals] Oettel M, et al. **Arch Exp Veterinaermed** 26:1053-60, Dec 72 (Eng. Abstr.) **(Ger)**

[The course of pregnancy following induction of ovulation with epimestrol] Sas M, et al. **Geburtshilfe Frauenheilkd** 33:506-9, Jun 73 (Eng. Abstr.) **(Ger)**

[Synthesis and experimental findings on the estrogenic, antigonadotropic and fertility-inhibiting activity of 17beta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold K, et al. **Pharmazie** 28:371-6, Jun 73 **(Ger)**

[Effect of the sequential use of estriol and

progesterone on the excretion of sodium and potassium and their level in kidney tissue] Radev AI. **Probl Endokrinol (Mosk) 19:91-6, May-Jun 73 (Eng. Abstr.) (Rus)**

THERAPEUTIC USE

[Trial of hormone treatment of dry kerato-conjunctivitis] Prijot E, et al. **Bull Soc Belge Ophtalmol 162:795-800, 1972 (Fre)**

[Synergic effect of estriol succinate towards anti-inflammatory activity of phenylbutazone on acute edema of the rat limb] Marcy R, et al. **Therapie 27:1015-9, Nov-Dec 72 (Eng. Abstr.) (Fre)**

[The course of pregnancy following induction of ovulation with epimestrol] Sas M, et al. **Geburtshilfe Frauenheilkd 33:506-9, Jun 73 (Eng. Abstr.) (Ger)**

URINE

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al. **Acta Endocrinol [Suppl] (Kbh) 173:50, 1973**

Hormone and enzyme levels in normal and complicated pregnancy. Ward H, et al. **Am J Obstet Gynecol 116:1105-13, 15 Aug 73**

A gas chromatography technique for rapid determination of urinary estriol during pregnancy. Adessi G, et al. **Clin Chim Acta 45:369-74, 30 May 73**

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett 33:301-4, 15 Jul 73**

Isolation of urinary 3, 16 -dihydroxyandrost-5-en-17-one in adrenal carcinoma. Fanti V. **J Endocrinol 56:615-6, Mar 73**

Plasma oestriol in pregnancy complicated by essential hypertension. Masson GM. **J Obstet Gynaecol Br Commonw 80:712-7, Aug 73**

The use of liberal salt diet in pre-eclamptic toxaemia and essential hypertension with pregnancy. Foote RG, et al. **NZ Med J 77:242-5, Apr 73**

The ovarian etiology of human breast cancer. MacMahon B, et al. **Recent Results Cancer Res 39:185-92, 1972 (25 ref.)**

The metabolism of estriol in rabbits. Kirdani RY, et al. **Steroids 22:1-18, Jul 73**

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol 215:157-69, 25 Jun 73 (Eng. Abstr.) (Ger)**

[Effects of rifampicin on the menstrual cycle and on oestrogen excretion in patients taking oral contraceptives] Nocke-Finck L, et al. **Dtsch Med Wochenschr 98:1521-3, 11 Aug 73 (Eng. Abstr.) (Ger)**

[The intrauterine retarded newborn infant. Review and recommendations of the Society for Perinatal Medicine of the DDR. II. Etiology, pathogenesis, prenatal diagnosis, prenatal and postnatal therapy and prognosis] Beyreibb K, et al. **Z Aerztl Fortbild (Jena) 67:481-7, 15 May 73 (90 ref.) (Ger)**

[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A. **Zentralbl Gynaekol 95:646-51, 11 May 73 (Ger)**

[SLE and pregnancy--effect of exogenous corticosteroids on urinary excretion of estriol] Iizuka R, et al. **Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref.) (Jap)**

[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER. **Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) (Rus)**

[Age-related dynamics of estrogen excretion in men and its changes in pathological climacteric and hypogonadism] Vartapetov BA, et al. **Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (Eng. Abstr.) (Rus)**

ESTROGENIC SUBSTANCES, CONJUGATED

Pregnant donkey's serum-induced ovulation in immature mice. Shukla KP, et al. **Indian J Exp Biol 10:451-2, Nov 72**

ADMINISTRATION & DOSAGE

Simultaneous laparoscopy and hysteroscopy fo intrauterine adhesions. Levine RU, et al. **Obstet Gynecol 42:441-5, Sep 73**

ANALYSIS

Oestriol conjugates in amniotic fluid. Qualitative quantitative aspects, including preliminary studie Rh isoimmunization. Tikkanen MJ, et al. **Acta Endocrinol (Kbh) 73:555-66, Jul 73**

BLOOD

An assessment of "free" and conjugated estriol uncomplicated and complicated pregnancy plas Mathur RS, et al. **Am J Obstet Gynecol 117:316-20, 1 Oct 73**

Radioimmunoassay of oestriol in pregnancy plas Wilson GR. **Clin Chim Acta 46:297-304, 14 Jul**

On the mechanism of antiatherosclerotic age microchemical studies on the in vitro effects pyridinol carbamate and estrogen (premarin) phosphofructokinase and malate dehydrogenase the arterial wall. Numano F, et al. **Mech Ageing Dev 2:43-53, Apr-May 73**

Measurement of steroid hormones using intracell receptor proteins. Korenman SG. **Metabolism 22:1083-8, Aug 73 (44 ref.)**

METABOLISM

The metabolism of estriol in rabbits. Kirdani RY, e **Steroids 22:1-18, Jul 73**

PHARMACODYNAMICS

Acute effects of altered photoperiods on the onse ovulation in gonadotropin-treated immature r McCormack CE. **Endocrinology 93:403-10, Aug**

Endogenous gonadotropin requirements for follic growth and maintenance in immature rats pretrea with PMS. Sasamoto S, et al. **Endocrinology 93:292-6, Aug 73**

The gonadotropin-primed rat: a model for tes agents that influence steroid biosynthesis. Sherw OD, et al. **Endocrinology 93:723-8, Sep 73**

On the mechanism of antiatherosclerotic age microchemical studies on the in vitro effects pyridinol carbamate and estrogen (premarin) phosphofructokinase and malate dehydrogenase the arterial wall. Numano F, et al. **Mech Ageing Dev 2:43-53, Apr-May 73**

[Course and control of sexual development in fen swine. 3. Induction of ovulation and the isolatio ova in female swine of the German Land breed at age of 15 weeks] Ostermann L, et al. **Dtsch Tieraerztl Wochenschr 80:294-7, 1 Jun 73 (I Abstr.) (**

THERAPEUTIC USE

Autoimmune thrombocytopenia occurring in a yo woman with idiopathic haemochromatosis. Habib et al. **Scand J Haematol 10:148-52, 1973**

ESTROGENS

Evaluation of placental steroid 3-sulfatase an aromatase activities as regulators of estrog production in human pregnancy. Townsley JD, e **Am J Obstet Gynecol 117:345-50, 1 Oct 73**

In vitro studies on the inhibition of pig liver ste delta4-5beta-reductase activity by naturally occur and synthetic estrogens. Van Doorn EJ, et **Biochim Biophys Acta 309:254-62, 6 Jun 73**

A surgeon's view of environmental factors in hu mammary cancer. Anderson JM. **Br J Cancer 28:90, Jul 73**

Radioimmunoassay of oestriol in pregnancy pla Wilson GR. **Clin Chim Acta 46:297-304, 14 Ju**

Hormonal changes in pathological pregnancy. Leu HA van. **Vitam Horm 30:281-361, 1972 (561**

[Electrophysiological study of hyperestrogenic te in women] Poenaru S, et al.

Electromyogr Clin Neurophysiol 13:201-27, 1973 (Eng. Abstr.) (Fre)
[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 (Fre)
[Two types of contraceptives and their influence on endocrine balance] Stěrba R.
Zentralbl Gynaekol 95:847-50, 22 Jun 73 (Ger)

ADMINISTRATION & DOSAGE

Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. Br Med J 3:446-50, 25 Aug 73
Treatment of premenopausal endometrial hyperplasia by a combination of a long-acting estrogen and a cyclic progestogen. Ricciardi I, et al.
Curr Ther Res 15:402-16, Jul 73
Asherman's syndrome: a critique and current review. Klein SM, et al. Fertil Steril 24:722-35, Sep 73
Hormones and the aetiology of human breast cancer. Hayward J. Guys Hosp Rep 121:51-61, 1972 (61 ref.)
Speculations about mortality trends from venous thromboembolic disease in England and Wales and their relation to the pattern of oral contraceptive usage. Vessey MP, et al.
J Obstet Gynaecol Br Commonw 80:562-6, Jun 73
Regeneration of the endometrium in rabbits after curettage. I. Pretreatment with estrogens. Schenker JG, et al. J Reprod Med 11:43-8, Aug 73
Hormone replacement therapy for menopausal symptoms. Schleyer-Saunders E.
Lancet 2:389, 18 Aug 73
Comparative study of estrogen action. Raynaud JP, et al. Mol Pharmacol 9:520-33, Jul 73
Female sex hormones: effect on the kinetics of cholesterol metabolism in rabbits. Ho KJ, et al. Proc Soc Exp Biol Med 143:810-5, Jul 73
[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 (Fre)
Optimation of sequential contraceptive therapy through shortening of the estrogen phase] Hempel E, et al.
Z Aerztl Fortbild (Jena) 67:279-80, 15 May 73 (Ger)
Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 (Jap)

ADVERSE EFFECTS

de effects of the pill. Grant EC.
Br Med J 3:349, 11 Aug 73
udies of carbohydrate and lipid metabolism in women developing hypertension on oral contraceptives. Mason B, et al. Br Med J 3:317-20, 11 Aug 73
iology of breast cancer. II. Epidemiologic aspects. Vakil DV, et al.
Can Med Assoc J 109:201-6, 4 Aug 73 (97 ref.)
pidemiology of drugs taken by pregnant women: Drugs that may affect the fetus adversely. Forfar JO, et al. Clin Pharmacol Ther 14:632-42, Jul-Aug 73
ormonal factors in dermatitis herpetiformis. Report f two cases. Haim S, et al.
Dermatologica 145:199-202, 1972
ormones and the aetiology of human breast cancer. Hayward J. Guys Hosp Rep 121:51-61, 1972 (61 ref.)
nine teratogenesis with an estrogen antagonist. chardein JL, et al. Teratology 7:199-203, Apr 73
ntraception. Swyer GI.
rans Med Soc Lond 88:191-7, 1972
dministration of estrogens and so-called porphyria utanea tarda. 4 cases] Palma-Carlos AG, et al.
ouv Presse Med 2:1996, 1 Sep 73 (Fre)
ush-like erythema] Delius L.
tsch Med Wochenschr 98:1512, Aug 73 (Ger)
olerance of the normocyclic sequence drug Oraconal nd of various neutral hormones as well as of gestagen mphasizing contraceptive agents in the medical ractice. Results of a group study of 173 established ynecologists involving 1539 women] Erdmann G, et
Fortschr Med 91:Suppl:303-10, Mar 73 (Ger)
xperimental study on pathogenesis of pyelonephritis uring pregnancy] Commichau R, et al.
eburtshilfe Frauenheilkd 33:464-70, Jun 73 (Eng. bstr.) (Ger)
asomotoric rhintis as an adverse effect of hormonal ntraception] Schreiber U.
NO 21:180-1, Jun 73 (Eng. Abstr.) (Ger)
in diseases induced by hormones] Nishiyama S.
in Endocrinol (Tokyo) 20:845-9, Oct 72 (11 ref.) (Jap)

ANALYSIS

Gas chromatographic and mass spectrometric studies on oestrogens in bile. I. Pregnant women. Adlercreutz H, et al. Acta Endocrinol (Kbh) 73:543-54, Jul 73
Determination of dienestrol in pharmaceuticals. Graham JH, et al.
J Assoc Off Anal Chem 55:190-3, Jan 72
[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A.
Zentralbl Gynaekol 95:646-51, 11 May 73 (Ger)
[Radioimmunoassay of sex steroid hormones. I. Radioimmunoassay of estrogens using estrone-17-oxime BSA antibody] Yoshida T, et al.
Clin Endocrinol (Tokyo) 21:541-8, May 73 (Jap)
[Aromatizing properties of perfused human placenta in vitro depending on different experimental conditions. I. Degree of aromatization in placenta samples from natural deliveries and cesarean sections] Pajszczyk-Kleszkiewicz T.
Ginekol Pol 43:405-20, Apr 72 (Eng. Abstr.) (Pol)

ANTAGONISTS & INHIBITORS

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973
Epithioandrostanol(10275-S), an estrogen antagonist. Miyake T, et al. Endocrinol Jap 20:157-65, Apr 73
Inhibitors of implantation. Emmens CW.
J Reprod Fertil [Suppl] 18:177-84, Jul 73
Canine teratogenesis with an estrogen antagonist. Schardein JL, et al. Teratology 7:199-203, Apr 73

BIOSYNTHESIS

Synthesis of glucuronides of 2-hydroxylated oestrogens and their methyl ethers. Röhle G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:7, 1973
Intermediates in the biosynthesis of oestrogen by the hamster adrenal. Rubens R, et al.
J Endocrinol 58:x, Jul 73
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)
[Enzyme defects in steroid hormone biosynthesis] Graef V.
Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.) (Ger)
[Ovarian synthesis of steroid hormones and its periodic changes] Shinada T.
Clin Endocrinol (Tokyo) 21:495-502, May 73 (Jap)

BLOOD

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73
Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973
The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Bolognese RJ, et al. Am J Obstet Gynecol 117:240-5, 15 Sep 73
Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al.
Endocrinology 93:843-7, Oct 73
Serum oestrogens and progesterone after normal delivery. Said S, et al.
J Obstet Gynaecol Br Commonw 80:542-5, Jun 73
The physiological role of prostaglandins in parturition. Liggins GC.
J Reprod Fertil [Suppl] 18:143-50, Jul 73 (25 ref.)
Digoxin and abnormal serum hormone levels. Stoffer SS, et al. JAMA 225:1643-4, 24 Sep 73
Measurement of steroid hormones using intracelluiar receptor proteins. Korenman SG.
Metabolism 22:1083-8, Aug 73 (44 ref.)
Studies of prostaglandin F2 in the cow. Lamond DR, et al. Prostaglandins 4:269-84, Aug 73
Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the

golden hamster. Shaikh AA, et al.
Prostaglandins 4:17-30, Jul 73
Diurnal variations in ovarian steroids and luteinizing hormone in cows at oestrus. Katongole CB, et al.
Steroids Lipids Res 4:1-5, 1973
Pregnancy and chronic hemodialysis. Unzelman RF, et al. **Trans Am Soc Artif Intern Organs** 19:144-9, 1973
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 **(Fre)**
[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A.
Zentralbl Gynaekol 95:646-51, 11 May 73 **(Ger)**
[Radioimmunoassay of plasma sex steroid hormones] Makino T.
Folia Endocrinol Jap 49:629-45, 20 Mar 73 (Eng. Abstr.) **(Jap)**
[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER.
Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of glucuronides of 2-hydroxylated oestrogens and their methyl ethers. Röhle G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:7, 1973

DIAGNOSTIC USE

[Ambulatory diagnosis of cycle disorders] Stojanov S, et al. **Z Aerztl Fortbild (Jena)** 67:31-3, 1 Jan 73 **(Ger)**

METABOLISM

Metabolism of 2-hydroxyoestrogen methyl ethers in the rat liver. Hoppen HO, et al.
Acta Endocrinol [Suppl] (Kbh) 173:2, 1973
The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells. Szego CM.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)
Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug 73
Studies on certain cytoplasmic enzymes and specific estrogen receptors in human breast cancer and in nonmalignant diseases of the breast. Hilf R, et al.
Cancer Res 33:2054-62, Sep 73
Effects of drugs and environmental chemicals on steroid metabolism. Conney AH, et al.
Clin Pharmacol Ther 14:727-41, Jul-Aug 73
Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al.
J Biol Chem 248:5873-9, 25 Aug 73
Rapid enlargement of a uterine fibroid after clomiphene therapy. Frankel T, et al.
J Obstet Gynaecol Br Commonw 80:764, Aug 73
Localization of rat liver alpha-foetoprotein by cell affinity labelling with tritiated oestrogens. Uriel J, et al. **Nature [New Biol]** 244:190-2, 8 Aug 73
Estrogen-receptor interaction. Jensen EV, et al.
Science 182:126-34, 12 Oct 73 (57 ref.)
Contraception. Swyer GI.
Trans Med Soc Lond 88:191-7, 1972
[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 **(Fre)**

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina and uterus as parameter for finding predominantly vaginotrophic or uterotrophic estrogens. Nishino Y, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1973
Effect on serum lipids of dietary sucrose and fructose. Macdonald I.
Acta Med Scand [Suppl] 542:215-9, 1972 (39 ref.)
Inhibitors of sex hormones: development of experimental models. Frost P, et al.
Adv Biol Skin 12:403-20, 1972 (49 ref.)
The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells. Szego CM.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)
Studies of mammalian glucoside conjugation. Gessner T, et al. **Biochem J** 132:249-58, Feb 73
Studies on the assembly and secretion of a multicomponent protein. The biosynthesis of vitellogenin, an oestrogen-induced glycolipophosphoprotein. Merry AH, et al.
Biochem J 132:459-63, Mar 73
Some effects of the acute and chronic administration o sex hormones on brain monoamine concentrations Greengrass PM, et al.
Br J Pharmacol 47:660P-661P, Mar 73
Hypothesis: breast cancer regression under oestroge therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug 7
Decreased taurine excretion in relation to childbirth lactation and progestin-estrogen therapy. Armstron MD. **Clin Chim Acta** 46:253-6, 14 Jul 73
Effects of drugs and environmental chemicals o steroid metabolism. Conney AH, et al.
Clin Pharmacol Ther 14:727-41, Jul-Aug 73
Pituitary gonadotropins, structure, control and clinic applications. Franchimont P.
Clin Sci 44:1P-2P passim, Feb 73
Influence of subtracheal fat body depletion on thyroi function in the desert iguana. Walker RF.
Comp Biochem Physiol [A] 44:911-7, 1 Mar
Inhibition of nuclear testosterone 5 alpha-reductase rat ventral prostate by estrogens and anti-androgen Shimazaki J, et al. **Endocrinol Jap** 19:585-8, Dec
Further studies on the luteotropic action of estrogen rats. Uchida K, et al. **Endocrinol Jap** 20:103-10, Apr
Stimulative and inhibitive effects of estrogen cholesterol synthesis in rats. Uchida K, et a
Endocrinol Jap 20:129-34, Apr 73
The in vitro effects of several progestogens, estroge and non-steroidal compounds with estrogenic activi on adenosine diphosphate induced guinea-pig platel aggregation. Clayman S, et al.
Experientia 29:95-6, 1 May 73
Specific effect of estrogens on an interaction betwe the uterine estradiol receptor and DNA. Andre J, et
FEBS Lett 29:135-40, 15 Jan 73
A peptide inhibitor of luteinizing hormone-releasi hormone (LH-RH). Coy DH, et al.
J Clin Endocrinol Metab 37:331-3, Aug 73
The effects of hydrocortisone and estrogen o experimental fever induced by etiocholanolon Wolff SM, et al. **J Infect Dis** 128:243-6, Aug
Analogs of luteinizing hormone-releasing hormo containing derivatives of phenylalanine in place tyrosine. Coy DH, et al. **J Med Chem** 16:827-9, Jul
Potential antifertility agents. 4. Biological properti of diastereoisomeric 4-aryl-2-methylcyclohexanecarboxylic acids and related compounds. Crenshaw RR, et al.
J Med Chem 16:813-23, Jul 73
Non-Gaussian distribution of serum thyroxine lev for euthyroid population. Brookeman VA.
J Nucl Med 14:660-8, Sep 73
The effect of some oral contraceptive steroids platelet electrophoretic mobility in vitro. Floren AT, et al. **J Pharm Pharmacol** 24:983-5, Dec
The interaction of some oral contraceptive stero with lipid monolayers and with Erythrocytes Florence AT, et al.
J Pharm Pharmacol 24:942-9, Dec 72
Modification of the rat uterine weight response human chorionic gonadotrophin by oestrogen. Hipl LJ. **J Reprod Fertil** 34:175-7, Jul 73
Inhibitors of implantation. Emmens CW.
J Reprod Fertil [Suppl] 18:177-84, Jul 73
Regeneration of the endometrium in rabbits af curettage. I. Pretreatment with estrogens. Scheni JG, et al. **J Reprod Med** 11:43-8, Aug 73
Hormone replacement therapy for menopausal symptoms. Schleyer-Saunders E.
Lancet 2:389, 18 Aug 73
Hormone replacement therapy for menopausal symptoms. Utian WH. **Lancet** 2:733, 29 Sep
Effects of adrenergic neurotransmitters on the uter Marshall JM. **Muscle Biol** 1:119-46, 1972
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Effect of prolonged plant oestrogen treatment female rats. 3. Some histochemical, biochemical histopathological changes. Kallela K.
Nord Vet Med 25:232-41, Apr-May 73
Effect of prolonged plant oestrogen treatment female rats. II. Changes in behaviour, fertility number of progeny. Kallela K.
Nord Vet Med 25:91-6, Feb 73
Effect of prolonged plant oestrogen treatment female rats. I. Effect on uterine weight a

histological picture. Kallela K.
Nord Vet Med 24:501-7, Oct 72

Female sex hormones: effect on the kinetics of cholesterol metabolism in rabbits. Ho KJ, et al.
Proc Soc Exp Biol Med 143:810-5, Jul 73

Indomethacin lengthens the oestrous cycle of the guinea-pig when given orally with oestrogen or when implanted within the uterine lumen. Marley PB.
Prostaglandins 4:251-61, Aug 73

Genital sensory field. Konishi M.
Science 181:365-6, 27 Jul 73

[Blood hypercoagulability with administration of norethynodrel: correction for purification of progestin] Brazeau P, et al.
Can J Physiol Pharmacol 51:555-8, Jul 73 **(Fre)**

[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A.
Experientia 29:885-7, 1973 (Eng. Abstr.) **(Fre)**

[Course and control of sexual development in female swine. 3. Induction of ovulation and the isolation of ova in female swine of the German Land breed at the age of 15 weeks] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:294-7, 1 Jun 73 (Eng. Abstr.) **(Ger)**

[Course and control of sex development in female pigs. II. Effect of a steroid induced genital tract development on action of gonadotropic stimulation in infantile female pigs] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:228-31, 15 May 73 (Eng. Abstr.) **(Ger)**

[Synthesis and experimental findings on the estrogenic, antigonadotropic and fertility-inhibiting activity of 17beta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold K, et al. **Pharmazie** 28:371-6, Jun 73 **(Ger)**

Shifting of the menstruation] Lauritzen C.
Ther Umsch 30:479-85, Jul 73 (Eng. Abstr.) **(Ger)**

[Controlled clinical evaluation of a new drug in menopausal syndrome] Imparato E, et al.
Arch Ostet Ginecol 77:203-33, May-Jun 72 (Eng. Abstr.) **(Ita)**

[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L.
Folia Endocrinol (Roma) 26:217-28, Jun 73 (Eng. Abstr.) **(Ita)**

Morphological changes of the epididymis and testis in neonatally estrogenized mice] Kachi T, et al.
Acta Anat Nippon 48:202-11, Jun 73 (Eng. Abstr.) **(Jap)**

PHYSIOLOGY

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973

Puzzles of reproductive physiology. Nalbandov AV.
J Reprod Fertil 34:1-8, Jul 73

Endocrinology of implantation. McLaren A.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 ref.)

The physiology of growth hormone regulation: pre- and postimmunoassay eras. Reichlin S.
Metabolism 22:987-93, Aug 73 (57 ref.)

Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73

Endocrinology of normal pregnancy] Lauritzen C.
Med Klin 68:897-905, Jul 73 **(Ger)**

Headache in women (in regard to hormonal factors)] Mambourg A, et al.
Ther Umsch 30:524-32, Jul 73 (Eng. Abstr.) **(Ger)**

Linear telangiectasia and hormonal balance] Avrach W. **Harefuah** 84:483-4, 1 May 73 (Eng. Abstr.) **(Heb)**

Theory and practice of antenatal care of the fetus] Persianinov LS.
Vestn Akad Med Nauk SSSR 28:61-9, 1973 (27 ref.) **(Rus)**

SECRETION

ormones and the aetiology of human breast cancer.
Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 ref.)

The influence of the oestrogen secreted before oestrus on the timing of end ometrial sensitivity and insensitivity during implantation. Finn CA, et al.
J Endocrinol 56:619-20, Mar 73

The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma. Benisch BM, et al.
Mt Sinai J Med NY 40:689-92, Sep-Oct 73

[Female hormones and puberty] Hirol M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**

[Female hormones and menopause] Mori I, et al.
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref.) **(Jap)**

[Pseudo-premature puberty in a 16-month-old girl in the course of an estrogen-secreting ovarian tumor] Mazurek A, et al. **Pediatr Pol** 48:761-4, Jun 73 **(Pol)**

THERAPEUTIC USE

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973

Urethrovesical dysfunction and infection. Hinman P.
Annu Rev Med 24:83-8, 1973 (43 ref.)

Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug 73

Prostatic adenocarcinoma of ductal origin. Dube VE, et al. **Cancer** 32:402-9, Aug 73

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73

Asherman's syndrome: a critique and current review. Klein SM, et al. **Fertil Steril** 24:722-35, Sep 73

Hormones and the aetiology of human breast cancer. Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 ref.)

A case of hypopituitarism associated with sickle cell trait. Robertson JC. **Guys Hosp Rep** 121:223-6, 1972

Total and free-plasma tryptophan concentrations in rheumatoid disease. Aylward M, et al.
J Pharm Pharmacol 25:570-2, Jul 73

Estrogen in treatment of the male climacteric. Rosenbaum MG. **Rocky Mt Med J** 70:37-8, Sep 73

Malacoplakia of the vagina. First case report. Van der Walt JJ, et al. **S Afr Med J** 47:1342-4, 4 Aug 73

The problems of drug treatment of breast cancer. Perlia CP. **Semin Drug Treat** 3:87-100, Summer 73

[Amenorrhea-galactorrhea and thyroid pathology] Matte R, et al.
Union Med Can 101:279-81, Feb 72 (Eng. Abstr.) **(Fre)**

[Tolerance of the normocyclic sequence drug Oraconal and of various neutral hormones as well as of gestagen emphasizing contraceptive agents in the medical practice. Results of a group study of 173 established gynecologists involving 1539 women] Erdmann G, et al. **Fortschr Med** 91:Suppl:303-10, Mar 73 **(Ger)**

[Imminent abortion] Wallner HJ.
Med Klin 68:497-500, 20 Apr 73 (27 ref.) **(Ger)**

[Current treatment of dysmenorrhea] Schurz AR.
Ther Umsch 30:511-5, Jul 73 (Eng. Abstr.) **(Ger)**

[Linear telangiectasia and hormonal balance] Avrach W. **Harefuah** 84:483-4, 1 May 73 (Eng. Abstr.) **(Heb)**

[Clinical results with a new non-steroid estrogen: tetrahydroderivative of mu-lactone of 6(6-10 Dihydroxyundecyl) beta-resorcilic acid] Goisis M, et al.
Minerva Ginecol 25:332-59, Jun 73 (Eng. Abstr.) **(Ita)**

[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap)**

[Re-evaluation of anti-androgen therapy in prostatic cancer] Shida K, et al.
Clin Endocrinol (Tokyo) 21:391-400, Apr 73 **(Jap)**

[Hormone therapy of prostatic cancer--with special reference to clinical results] Takeuchi H.
Clin Endocrinol (Tokyo) 21:383-9, Apr 73 **(Jap)**

[Treatment of Sjögren's syndrome with female sex hormones] Ostachowicz M, et al.
Wiad Lek 26:1075-7, 1 Jun 73 (Eng. Abstr.) **(Pol)**

[Functional state of the adrenal cortex in cancer and adenoma of the prostate in the process of estrogen therapy] Klepikov FA, et al.
Urol Nefrol (Mosk) 37:38-42, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[Physiology and pathology of female reproductive functions] Petrov-Maslakov MA.
Vestn Akad Med Nauk SSSR 28:53-61, 1973 **(Rus)**

ESTROGENS

URINE

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73

Radioimmunologic determination of plasma estriol in pregnancy with anti-estriol-C6 conjugate-antiserum. Goebel R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:109, 1973

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

Relationships between weight changes and renin, aldosterone, estrogens and progesterone in cyclical edema. Oelkers W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:159, 1973

Primary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE de, et al. **Acta Med Scand** 193:565-71, Jun 73

Biochemical and endocrinological studies in parasite-infested patients with and without infantilism. Abdel-Kader MM, et al.
Acta Paediatr Acad Sci Hung 13:359-65, 1972

Improvement of adult height prognosis in precocious puberty by cyproterone acetate. Bossi E, et al.
Acta Paediatr Scand 62:405-12, Jul 73

Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al.
Am J Obstet Gynecol 117:75-9, 1 Sep 73

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al.
Biomedicine [Express] 19:77-81, 10 Feb 73

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al.
FEBS Lett 33:301-4, 15 Jul 73

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug 73

The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated with gonadotrophins. Crooke AC, et al.
J Obstet Gynaecol Br Commonw 80:745-9, Aug 73

Diagnosis of intrauterine fetal growth retardation by serial serum oxytocinase, urinary oestrogen and serum heat stable alkaline phosphatase (HSAP) estimations in uncomplicated and hypertensive pregnancies. Petrucco OM, et al.
J Obstet Gynaecol Br Commonw 80:499-507, Jun 73

Physiological aspects of human ovulation, fertilization and cleavage. Edwards RG.
J Reprod Fertil [Suppl] 18:87-101, Jul 73 (102 ref.)

Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy. Khoo SK, et al.
Med J Aust 2:991-6, 28 Oct 72

Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Lunaas T, et al.
Nord Vet Med 24:177-80, Apr 73

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73

Maternal urinary estrogen patterns in intrauterine growth retardation. Low JA, et al.
Obstet Gynecol 42:325-9, Sep 73

[Examination for pregnancy in mares] Leeuwen W van.
Tijdschr Diergeneeskd 98:483-91, 15 May 73 (Eng. Abstr.) **(Dut)**

[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

[Effect of chlormadinone acetate on testicular function in the boar] Claussen C, et al.
Arch Exp Veterinaermed 26:981-8, Dec 72 (Eng. Abstr.) **(Ger)**

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et a
Arch Gynaekol 215:157-69, 25 Jun 73 (Eng. Abstr (Ge

[Effects of rifampicin on the menstrual cycle and oestrogen excretion in patients taking oral contraceptives] Nocke-Finck L, et al.
Dtsch Med Wochenschr 98:1521-3, 11 Aug 73 (En Abstr.) (Ge

[Practical and clinical experience with a simple techn for the determination of total urinary estroge during prenatal care] Barenyi W, et al.
Z Geburtshilfe Perinatol 177:210-4, Jun 73 (En Abstr.) (Ge

[Estrogen level in the peripheral blood and uri during the last days of pregnancy, during labor and the puerperium] Oszczygiel A.
Zentralbl Gynaekol 95:646-51, 11 May 73 (Ge

[Fractionation of urinary neutral steroids of norm adults and women in early pregnancy by gas-liqu chromatography] Watatani H.
Folia Endocrinol Jap 49:1080-102, 20 Aug 73 (Er Abstr.) (Ja

[Advances in the accuracy of the diagnosis threatened fetus and the perinatal mortality fetuses and newborn infants] Kornacki Z, et
Ginekol Pol 43:463-7, Apr 72 (Eng. Abstr.) (P

[Excretion of some hormones and morpho-chemi state of ovaries in women with myomas of the uteru Sieroń G. **Ginekol Pol** 43:507-11, Apr 72 (P

[The diagnostic value of hormone studies in obstetri (review of the literature)] Bagramian ER.
Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abst (Ru

[Urinary excretion of estrogens in patients with canc of the endometrium in the climacteric and menopausal periods] Mezinova NN, et al.
Akush Ginekol (Mosk) 48:21-3, Oct 72 (Eng. Abst (Ru

[Estrogen excretion in patients with chorioepitheliol of the uterus] Sharoukhova KS, et al.
Akush Ginekol (Mosk) 48:17-21, Oct 72 (Eng. Abst (Ru

[Age-related dynamics of estrogen excretion in m and its changes in pathological climacteric a hypogonadism] Vartapetov BA, et al.
Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (E Abstr.) (Ru

[Mechanism of action of cuneiform resection of t ovaries in a patient with Stein-Leventhal syndron effect of gonadotropin secretion] Zárate A, et
Rev Invest Clin 25:175-80, Apr-Jun 73 (Eng. Abst (Sp

ESTRONE

Oestrone specific antisera raised against oestrone-6-(O-carboxymethyl) oxime-bovine ser albumin. Rowe PH, et al.
Steroids Lipids Res 4:24-9, 1973

[Radioimmunoassay of sex steroid hormones. Radioimmunoassay of estrogens using estrone-17-oxime BSA antibody] Yoshida T, et
Clin Endocrinol (Tokyo) 21:541-8, May 73 (Ja

ANALYSIS

Gas chromatographic and mass spectrometric stud on oestrogens in bile. I. Pregnant women. Adlercre H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Jul

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries hypophysectomized immature rats treated wi human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73

In vitro sterol and steroid biogenesis by a feminiz adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73

Evaluation of placental steroid 3-sulfatase an aromatase activities as regulators of estroge production in human pregnancy. Townsley JD, et
Am J Obstet Gynecol 117:345-50, 1 Oct 73

Steroid biosynthesis by gonads of 7- and 10-day- chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73

The stimulatory action of the prostaglandins on production of oestrogens by the human place

perfused in vitro. Alsat E, et al. **Prostaglandins** 3:145-53, Feb 73

The aromatization of (7 -3H) androstenedione by human placental mitochondria. Renwick AG, et al. **Steroids** 22:123-32, Jul 73

BLOOD

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73

Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase deficiency? Knorr D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:37, 1973

Plasma estrogens in postmenopausal women. Rader MD, et al. **Am J Obstet Gynecol** 116:1069-73, 15 Aug 73

Changes in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during late pregnancy and at parturition. Chamley WA, et al. **Biol Reprod** 9:30-5, Aug 73

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al. **Biomedicine [Express]** 19:77-81, 10 Feb 73

The concentrations of progesterone, estrone and estradiol-17 beta in the plasma of pregnant rabbits. Challis JR, et al. **Endocrinology** 93:971-6, Oct 73

Secretion rate of testicular steroids in the conscious and halothane-anesthetized rat. Free MJ, et al. **Endocrinology** 93:874-9, Oct 73

Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al. **Endocrinology** 93:843-7, Oct 73

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al. **Endocrinology** 93:954-9, Oct 73

Intravenous prostaglandin F2alpha for induction of menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug 73

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al. **Int J Fertil** 18:65-73, 1973

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

Serum oestrogens and progesterone after normal delivery. Said S, et al. **J Obstet Gynaecol Br Commonw** 80:542-5, Jun 73

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG. **Metabolism** 22:1083-8, Aug 73 (44 ref.)

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al. **Prostaglandins** 4:17-30, Jul 73

Changes in estrogen levels in maternal venous plasma after intra-amniotic infusion of prostaglandin F2 for therapeutic abortion. Shutt DA, et al. **Prostaglandins** 4:291-9, Aug 73

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids** 22:47-61, Jul 73

Variations in the concentrations of androstenedione in peripheral plasma of women the day and during the menstrual cycle. Lobotsky J, et al. **Steroids** 22:133-7, Jul 73

Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A. **Zentralbl Gynaekol** 95:646-51, 11 May 73 (Ger)

Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Aoki T. **Folia Endocrinol Jap** 49:612-8, 20 Mar 73 (Eng. Abstr.) (Jap)

Radioimmunoassay of plasma sex steroid hormones] Takino T. **Folia Endocrinol Jap** 49:629-45, 20 Mar 73 (Eng. Abstr.) (Jap)

[Radioimmunoassay of estrogens] Shoda T. **Folia Endocrinol Jap** 49:1011-24, 20 Jul 73 (Eng. Abstr.) (Jap)

METABOLISM

Metabolism of oestradiol-17beta in the human uterus in vitro. Ball P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:3, 1973

Influence of genetic factors on the metabolism of oestrogens in the liver. Breuer H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:5, 1973

Metabolism of 2-hydroxyoestrogen methyl ethers in the rat liver. Hoppen HO, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:2, 1973

Interrelationship of two microsomal estrogen receptor molecules. Little M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:67, 1973

Effect of serotonin on placental aromatization. Viassis G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:78, 1973

Phonophoresis as a new method for perfusion of the ovary in vivo. Wortmann W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:77, 1973

Biotransformation of steroids by the skin. Berliner DL. **Adv Biol Skin** 12:357-65, 1972 (36 ref.)

Enzymic sulphation of p-nitrophenol and steroids by larval gut tissues of the southern armyworm (Prodenia evidania Cramer). Yang RS, et al. **Biochem J** 130:487-93, Nov 72

Isomeric 2,16alpha-dihydroxyesterone methyl ethers: new metabolites in rat bile. Nambara T, et al. **Chem Pharm Bull (Tokyo)** 21:914-6, Apr 73

Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73

[Estrone and 17-beta estradiol conversion in placenta in protracted pregnancies] Jakowicki J. **Ginekol Pol** 44:629-34, Jun 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina and uterus as parameter for finding predominantly vaginotrophic or uterotrophic estrogens. Nishino Y, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1973

Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al. **Endocrinology** 93:843-7, Oct 73

The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al. **Experientia** 29:95-6, 1 May 73

Specific effect of estrogens on an interaction between the uterine estradiol receptor and DNA. Andre J, et al. **FEBS Lett** 29:135-40, 15 Jan 73

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73

Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al. **Infect Immun** 8:151-5, Aug 73

Comparative study of estrogen action. Raynaud JP, et al. **Mol Pharmacol** 9:520-33, Jul 73

PHYSIOLOGY

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73

URINE

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:347-59, Jun 73

A chemical method for the determination of 2-hydroxyoestrone in human urine. Gelbke HP, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:110, 1973

Evaluation of placental steroid 3-sulfatase and aromatase activities as regulators of estrogen production in human pregnancy. Townsley JD, et al. **Am J Obstet Gynecol** 117:345-50, 1 Oct 73

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abstr.) (Ger)

[Effects of rifampicin on the menstrual cycle and on oestrogen excretion in patients taking oral contraceptives] Nocke-Finck L, et al. **Dtsch Med Wochenschr** 98:1521-3, 11 Aug 73 (Eng. Abstr.) (Ger)

[Estrogen level in the peripheral blood and urine during the last days of pregnancy, during labor and in the puerperium] Oszczygiel A. **Zentralbl Gynaekol** 95:646-51, 11 May 73 (Ger)

[Gas-chromatography of steroid metabolites] Nambara T, et al. **Jap J Clin Pathol** 21:593-8, Jul 73 (Jap)

[Age-related dynamics of estrogen excretion in men and its changes in pathological climacteric and hypogonadism] Vartapetov BA, et al. **Probl Endokrinol (Mosk)** 19:45-9, May-Jun 73 (Eng. Abstr.) (Rus)

ETHINYL ESTRADIOL

The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids. Robyn C, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:88, 1973

In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Van Doorn EJ, et al. **Biochim Biophys Acta** 309:254-62, 6 Jun 73

Serum levels of copper, caeruloplasmin and caeruloplasmin oxidase activity in women using copper-containing intrauterine devices and in women taking combined oral contraceptives. Daunter B, et al. **J Obstet Gynaecol Br Commonw** 80:644-7, Jul 73

Synthesis of 2-hydroxy-ethynylestradiol and 4-hydroxy-ethynylestradiol. Gelbke HP, et al. **Steroids** 22:151-2, Jul 73

ADMINISTRATION & DOSAGE

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:118, 1973

Sebaceous gland suppression with ethinyl estradiol and diethylstilbestrol. Pochi PE, et al. **Arch Dermatol** 108:210-4, Aug 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73

Hormones and contraception in the male and the relative merits of hormonal control and vasectomy. Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 73

[Results of the use of an estrogen-progestagen combination at low dosage as a contraceptive. Preliminary report] Ruiz Moreno JA, et al. **Ginecol Obstet Mex** 34:35-42, Jul 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Erythema nodosum secondary to the use of oral contraceptive. A case report. Stumbo WG. **J Ky Med Assoc** 71:433-4, Jul 73

Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. Davidoff F, et al. **N Engl J Med** 289:552-5, 13 Sep 73

[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B. **Dtsch Gesundheitsw** 28:223-7, 1973 (Eng. Abstr.) (Ger)

[Effects of rifampicin on the menstrual cycle and on oestrogen excretion in patients taking oral contraceptives] Nocke-Finck L, et al. **Dtsch Med Wochenschr** 98:1521-3, 11 Aug 73 (Eng. Abstr.) (Ger)

[Lyndiol, a new low-dose oral contraceptive] Altkemper R. **Med Monatsschr** 27:326-8, Jul 73 (Ger)

[Results of the use of an estrogen-progestagen combination at low dosage as a contraceptive. Preliminary report] Ruiz Moreno JA, et al. **Ginecol Obstet Mex** 34:35-42, Jul 73 (Eng. Abstr.) (Spa)

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al. **Anal Chim Acta** 65:220-2, Jun 73 (Fre)

METABOLISM

Comparative study of estrogen action. Raynaud JP, al. **Mol Pharmacol** 9:520-33, Jul 73

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina a uterus as parameter for finding predominanti vaginotrophic or uterotrophic estrogens. Nishino et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 19

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et **Acta Endocrinol [Suppl] (Kbh)** 173:118, 1973

Adenosine diphosphate-induced platelet aggregati in healthy women with and without a combined a sequential contraceptive pill. Zahavi J, et al **Am J Obstet Gynecol** 117:107-13, 1 Sep 73

Metabolic effects of a combination of dl-norgestrel a ethinylestradiol in humans. Gerhards E, et a **Arzneim Forsch** 23:779-84, Jun 73

Influence of hormonal contraceptives on carbohydra and lipid metabolism in the rat. Schillinger E, et **Biochem Pharmacol** 22:1835-44, 1 Aug 73

Effects of estrogens on renin substrate and uteri weights in rats. Ménard J, et al. **Endocrinology** 93:747-51, Sep 73

Effect of sex steroids on pituitary responses to LH-a FSH-releasing hormone in vitro. Schally AV, et **Endocrinology** 93:893-902, Oct 73

The in vitro effects of several progestogens, estroge and non-steroidal compounds with estrogenic activ on adenosine diphosphate induced guinea-pig plate aggregation. Clayman S, et al. **Experientia** 29:95-6, 1 May 73

Comparative study of estrogen action. Raynaud JP, al. **Mol Pharmacol** 9:520-33, Jul 73

[Clinical trial of oral contraceptive agent, Combiquer Welti H. **Ther Umsch** 30:543-9, Jul 73 (Eng. Abstr.) (F

[A new estrogen variant in the oral contracepti Non-Ovlon] Sarembe B. **Dtsch Gesundheitsw** 28:223-7, 1973 (Eng. Abstr.) (G

THERAPEUTIC USE

Primary amenorrhoea with hypertension due 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE et al. **Acta Med Scand** 193:565-71, Jun 73

Sebaceous gland suppression with ethinyl estradiol a diethylstilbestrol. Pochi PE, et al. **Arch Dermatol** 108:210-4, Aug 73

[Lyndiol, a new low-dose oral contraceptive] Altkemper R. **Med Monatsschr** 27:326-8, Jul 73 (G

[Treatment of glossodynia with Ambosex] Joób-Fancsaly G. **Fogorv Sz** 66:185, Jun 73 (H

ETHYLESTRENOL

PHARMACODYNAMICS

Induction of premature menstruation with anab steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

Influence of dietary lipids on plasma and hepatic lip and on blood clotting properties in rats fed c contraceptives. Tabacchi MH, et al. **J Nutr** 103:1270-8, Sep 73

Enhancement of fibrinolytic activity. **Lancet** 2:716, 29 Sep 73

THERAPEUTIC USE

Comparative study on the erythropoietic effects androgens and their mode of action. Gorshein D, e **J Appl Physiol** 35:276-8, Sep 73

Enhancement of fibrinolytic activity. **Lancet** 2:716, 29 Sep 73

ETHYNODIOL DIACETATE

Concentrations of unconjugated estrone, estrac androstenedione and testosterone in ovarian peripheral venous plasma in women: the effect steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

ADVERSE EFFECTS

Erythema nodosum and oral contraception. Kariher DH. **Obstet Gynecol** 42:323-4, Aug 73

PHARMACODYNAMICS

Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. Tabacchi MH, et al. **J Nutr** 103:1270-8, Sep 73

TOXICITY

Progestins and mammary cancer induction. Coezy E, et al. **Br J Cancer** 28:83, Jul 73

FERTILITY AGENTS

Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV. **Clin Sci** 44:1P passim, Feb 73

ADMINISTRATION & DOSAGE

Combined therapy with clomid and epimestrol. Seki M, et al. **Acta Obstet Gynaecol Jap** 19:125-30, Apr 72

PHARMACODYNAMICS

Effect of cyclophenyl and clomiphene on excretion of urinary LH. Ishizuka N, et al. **Endocrinol Jap** 20:51-7, Feb 73

Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al. **Endocrinol Jap** 19:525-32, Dec 72

THERAPEUTIC USE

Combined therapy with clomid and epimestrol. Seki M, et al. **Acta Obstet Gynaecol Jap** 19:125-30, Apr 72

FLUOXYMESTERONE

ADMINISTRATION & DOSAGE

Lipid metabolism in uremia and the effects of dialysate glucose and oral androgen therapy. Dombeck DH, et al. **Trans Am Soc Artif Intern Organs** 19:150-3, 1973

Clinical effects of oral fluoxymesterone in patients with dialysis-controlled uremia. Lindholm DD, et al. **Trans Am Soc Artif Intern Organs** 19:475-83, 1973

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

THERAPEUTIC USE

Lipid metabolism in uremia and the effects of dialysate glucose and oral androgen therapy. Dombeck DH, et al. **Trans Am Soc Artif Intern Organs** 19:150-3, 1973

Clinical effects of oral fluoxymesterone in patients with dialysis-controlled uremia. Lindholm DD, et al. **Trans Am Soc Artif Intern Organs** 19:475-83, 1973

GONANES

CHEMICAL SYNTHESIS

Total synthesis of rac-3-(3-oxo-17beta-hydroxy-13-ethylgon-4-en-17alpha-yl) propionic acid gamma-lactone] Asako T, et al. **J Pharm Soc Jap** 93:246-7, Feb 73 **(Jap)**

HEXESTROL

ADVERSE EFFECTS

Secondary phospholipidosis caused by 4,4'-diethylaminoethoxy hexestrol] Shikata T. **Jap J Clin Pathol** 21:389-94, May 73 **(Jap)**

PHARMACODYNAMICS

The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al. **Experientia** 29:95-6, 1 May 73

HYDROXYPREGNENOLONE

ANALYSIS

[Hydroxylation of progesterone and pregnenolone in the adrenal mitochondria of swine] Afinogenova SA, et al. **Probl Endokrinol (Mosk)** 19:66-70, May-Jun 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

De-novo steroid synthesis in the seminiferous tubule of the adult rat testis. Vinson GP, et al. **J Endocrinol** 58:3-4, Jul 73

METABOLISM

Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. **J Endocrinol** 58:207-17, Aug 73

HYDROXYPROGESTERONE

A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al. **J Biol Chem** 248:5736-41, 25 Aug 73

Prostaglandin F concentration in the peripheral blood of the ewe during the estrous cycle. Coudert SP, et al. **Prostaglandins** 2:501-9, Dec 72

ADMINISTRATION & DOSAGE

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73

[Studies on the hormonal facilitation of experimental Escherichia-coli-pyelonephritis in the rat] Loew H, et al. **Int J Clin Pharmacol** 7:303-6, Jul 73 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Hydroxylation of progesterone and pregnenolone in the adrenal mitochondria of swine] Afinogenova SA, et al. **Probl Endokrinol (Mosk)** 19:66-70, May-Jun 73 (Eng. Abstr.) **(Rus)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al. **Probl Endokrinol (Mosk)** 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Biosynthesis of 11-deoxycorticosteroids by teleost ovaries and discussion of their possible role in oocyte maturation and ovulation. Colombo L, et al. **Gen Comp Endocrinol** 21:168-78, Aug 73

Steroid biosynthesis by gonads of 7- and 10-day-old chick embryos. Galli FE, et al. **Gen Comp Endocrinol** 21:77-83, Aug 73

In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol** 21:99-107, Aug 73

De-novo steroid synthesis in the seminiferous tubule of the adult rat testis. Vinson GP, et al. **J Endocrinol** 58:3-4, Jul 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M. **J Endocrinol** 58:251-62, Aug 73

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al. **Prostaglandins** 3:427-37, Apr 73

BLOOD

Morphological and functional evidence for corpus luteum activity during late pregnancy in the rhesus monkey. Koering MJ, et al. **Endocrinology** 93:686-93, Sep 73

Circadian rhythm of progesterone secretion during

pseudogestation in the rat. Bischof P, et al. **Experientia** 29:615-6, 15 May 73

Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Snyder DL, et al. **Fertil Steril** 24:706-14, Sep 73

A new index to predict ovulation in the human. Cortés-Gallegos V. **Int J Fertil** 18:93-6, 1973

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol** 58:33-4, Aug 73

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et al. **Prostaglandins** 2:453-64, Dec 72

Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al. **Prostaglandins** 4:17-30, Jul 73

[Plasma concentrations of 17 alpha-hydroxyprogesterone during the cow's cycle] Thibier M, et al. **C R Acad Sci [D] (Paris)** 276:3049-52, 4 Jun 73 **(Fre)**

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) **(Ita)**

[Physiology of the ovary. I] Cortés-Gallegos V. **Arch Invest Med (Mex)** 4:29-40, 1973 (Eng. Abstr.) **(Spa)**

[Physiology of the ovary. 3] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 4:51-68, 1973 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Alkylation of brain corticosteroid acetyltransferase by 17-hydroxyprogesterone 17-(9-oxo-10-chlorodecanoate) and related compounds. Purdy RH, et al. **Steroids** 22:139-50, Jul 73

METABOLISM

Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice. Nishizuka Y, et al. **Endocrinology** 93:786-92, Oct 73

Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. **J Endocrinol** 58:207-17, Aug 73

Androgen biosynthesis by testicular tissue of the desert rodents, Acomys cahirinus and Gerbillus dasyurus. Bedrak E, et al. **J Reprod Fertil** 34:93-104, Jul 73

PHARMACODYNAMICS

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

Alkylation of brain corticosteroid acetyltransferase by 17-hydroxyprogesterone 17-(9-oxo-10-chlorodecanoate) and related compounds. Purdy RH, et al. **Steroids** 22:139-50, Jul 73

SECRETION

Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. **Endocrinol Jap** 20:103-10, Apr 73

THERAPEUTIC USE

Turner's syndrome with endometrial adenocarcinoma and stilbestrol therapy. Wilkinson EJ, et al. **Obstet Gynecol** 42:193-200, Aug 73

[Cytological check-up on the effectiveness of the hormonal treatment of endometriosis] Kopečný J, et al. **Cesk Gynekol** 38:38-9, 1973 **(Cze)**

[Therapeutic problems of ovarian endometriosis] Paukovic J, et al. **Cesk Gynekol** 38:37-8, 1973 **(Cze)**

LYNESTRENOL

ADMINISTRATION & DOSAGE

[Apropos of the mini-pill. Comprehensive trial as to the mechanism of its contraceptive action] Gerber E, et al. **Ther Umsch** 30:550-7, Jul 73 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Lyndiol, a new low-dose oral contraceptive] Altkemper R. **Med Monatsschr** 27:326-8, Jul 73 **(Ger)**

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al. **Anal Chim Acta** 65:220-2, Jun 73 **(Fre)**

PHARMACODYNAMICS

[Apropos of the mini-pill. Comprehensive trial as to the mechanism of its contraceptive action] Gerber E, et al. **Ther Umsch** 30:550-7, Jul 73 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Lyndiol, a new low-dose oral contraceptive] Altkemper R. **Med Monatsschr** 27:326-8, Jul 73 **(Ger)**

[The changing morphological picture of endometriosis 1. Unusual regression in a pseudopregnant retrocervical endometriosis caused by ovulation inhibitors] Schmid KO. **Zentralbl Gynaekol** 95:745-52, 1 Jun 73 **(Ger)**

MEDROXYPROGESTERONE

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

[Extra-uterine pregnancy during contraception with Depo-Provera] Stut JC. **Ned Tijdschr Geneeskd** 117:343-5, 3 Mar 73 (Eng. Abstr.) **(Dut)**

ADMINISTRATION & DOSAGE

Effects of medroxyprogesterone acetate employed as long-term injectable contraceptive. Ringrose C. **J Reprod Med** 8:75-9, Feb 72

Simultaneous laparoscopy and hysteroscopy for intrauterine adhesions. Levine RU, et al. **Obstet Gynecol** 42:441-5, Sep 73

[Use of a long-term contraceptive of semestric application. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 33:595-601, Jun 73 (Eng. Abst) **(Spa)**

ADVERSE EFFECTS

Effects of medroxyprogesterone acetate employed as long-term injectable contraceptive. Ringrose C. **J Reprod Med** 8:75-9, Feb 72

Treatment of the female metastatic hypernephroma Tucker WG. **Mich Med** 72:525-8, Aug 73

[Anticonception with the progestational hormone Depo-Provera] Starup J. **Ugeskr Laeger** 135:714, 26 Mar 73 **(Dan)**

[Use of a long-term contraceptive of semestric application. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 33:595-601, Jun 73 (Eng. Abst) **(Spa)**

ANALYSIS

Radioimmunoassay and competitive binding radioassay methods for the measurement of drugs. Butler VP. **Metabolism** 22:1145-53, Aug 73 (82 ref.)

PHARMACODYNAMICS

On the mechanism of the anti-androgenic effect of medroxyprogesterone acetate. Albin J, et al. **Endocrinology** 93:417-22, Aug 73

The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al. **Experientia** 29:95-6, 1 May 73

Effects of various mating stimuli on the LH surge and ovulation time following synchronization of estrus in the bovine. Randel RD, et al. **J Anim Sci** 37:128-30, Jul 73

Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. Tabacchi MH, et al.
J Nutr 103:1270-8, Sep 73
Effects of medroxyprogesterone acetate employed as a long-term injectable contraceptive. Ringrose CA.
J Reprod Med 8:75-9, Feb 72

THERAPEUTIC USE

Possible role of hormones in treatment of metastatic testicular teratomas: tumour regression with medroxyprogesterone acetate. Bloom HJ, et al.
Br Med J 3:563-7, 15 Sep 73
Asherman's syndrome: a critique and current review. Klein SM, et al. **Fertil Steril** 24:722-35, Sep 73
Treatment of the female metastatic hypernephroma. Tucker WG. **Mich Med** 72:525-8, Aug 73
Turner's syndrome with endometrial adenocarcinoma and stilbestrol therapy. Wilkinson EJ, et al.
Obstet Gynecol 42:193-200, Aug 73

MEGESTROL

ADMINISTRATION & DOSAGE

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al.
Acta Endocrinol (Kbh) 73:347-59, Jun 73
Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 1. Diffusion of megestrol acetate in humans. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:335-46, Jun 73
Carbohydrate and lipid studies during six months' treatment with megestrol acetate. Measurements of blood glucose, insulin, growth hormone, and triglycerides. Spellacy WN, et al.
Am J Obstet Gynecol 116:1074-8, 15 Aug 73

ADVERSE EFFECTS

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al.
Acta Endocrinol (Kbh) 73:347-59, Jun 73

ANALYSIS

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 1. Diffusion of megestrol acetate in humans. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:335-46, Jun 73

METABOLISM

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 1. Diffusion of megestrol acetate in humans. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:335-46, Jun 73
Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 3. Factors affecting steroid diffusion in vivo and in vitro. Ermini M, et al.
Acta Endocrinol (Kbh) 73:360-73, Jun 73

PHARMACODYNAMICS

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al.
Acta Endocrinol (Kbh) 73:347-59, Jun 73
Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al.
Fertil Steril 24:578-83, Aug 73
Clinical trial of oral contraceptive agent, Combiquens] Welti H.
Ther Umsch 30:543-9, Jul 73 (Eng. Abstr.) **(Fre)**
The results of clinico-laboratory use of megestranol] Maizel' EP, et al.
Akush Ginekol (Mosk) 48:23-6, Oct 72 (Eng. Abstr.) **(Rus)**

URINE

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 1. Diffusion of megestrol acetate in humans. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:335-46, Jun 73

MESTRANOL

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al.
J Clin Endocrinol Metab 37:254-60, Aug 73

ADMINISTRATION & DOSAGE

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
[Optimation of sequential contraceptive therapy through shortening of the estrogen phase] Hempel E, et al.
Z Aerztl Fortbild (Jena) 67:279-80, 15 May 73 **(Ger)**

ADVERSE EFFECTS

Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. Davidoff F, et al.
N Engl J Med 289:552-5, 13 Sep 73
Erythema nodosum and oral contraception. Kariher DH. **Obstet Gynecol** 42:323-4, Aug 73
[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B.
Dtsch Gesundheitsw 28:223-7, 1973 (Eng. Abstr.) **(Ger)**
[Ophthalmological complications after oral contraceptives] Varga M.
Klin Monatsbl Augenheilkd 162:621-9, May 73 (Eng. Abstr.) **(Ger)**
[Amenorrhea-galactorrhea following the use of ovosiston] Kosowski I, et al.
Zentralbl Gynaekol 95:851-4, 22 Jun 73 **(Ger)**
[Liver function tests following long-term intake of oral contraceptives] Misz M, et al.
Zentralbl Gynaekol 95:716-21, 25 May 73 **(Ger)**

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al.
Anal Chim Acta 65:220-2, Jun 73 **(Fre)**
[Infrared spectrophotometry in quantitative drug analysis. II. Assay of some steroids] Pawelczyk E, et al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Sialic acid content and organ weight of vagina and uterus as parameter for finding predominantly vaginotrophic or uterotrophic estrogens. Nishino Y, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:117, 1973
The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973
Adenosine diphosphate-induced platelet aggregation in healthy women with and without a combined and sequential contraceptive pill. Zahavi J, et al.
Am J Obstet Gynecol 117:107-13, 1 Sep 73
The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al.
Experientia 29:95-6, 1 May 73
Effect of the contraceptive steroids norethynodrel and mestranol on dental caries activity in young adult female rats. Liu FT, et al.
J Dent Res 52:753-7, Jul-Aug 73
Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. Tabacchi MH, et al.
J Nutr 103:1270-8, Sep 73
[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B.
Dtsch Gesundheitsw 28:223-7, 1973 (Eng. Abstr.) **(Ger)**
[Synthesis and experimental findings on the estrogenic, antigonadotropic and fertility-inhibiting activity of 17beta-carbamoyloxyestra-1.3.5(10)-trienes] Ponsold K, et al. **Pharmazie** 28:371-6, Jun 73 **(Ger)**

THERAPEUTIC USE

Control of paroxysmal ventricular tachycardia with oral contraceptives. Gorfinkel HJ, et al. **Chest** 64:279-80, Aug 73

[Cytological check-up on the effectiveness of the hormonal treatment of endometriosis] Kopečný J, et al. **Cesk Gynekol** 38:38-9, 1973 **(Cze)**

[Therapeutic problems of ovarian endometriosis] Paukovic J, et al. **Cesk Gynekol** 38:37-8, 1973 **(Cze)**

TOXICITY

Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. **J Natl Cancer Inst** 51:209-24, Jul 73

METHANDROSTENOLONE

ADVERSE EFFECTS

[Anabolic steroids and the functional state of the liver] Volkov NF, et al. **Ter Arkh** 44:71-5, Dec 72 **(Rus)**

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

Effect of methandienone on free fatty acid and triglyceride turnover in normal females. Kissebah AH, et al. **Horm Metab Res** 5:275-9, Jul 73

[Effect of nerobolil, testosterone phenylpropionate and estradiol on the level of total phospholipids and glycogen in the rat uterus] Liashenkova SK. **Probl Endokrinol (Mosk)** 19:82-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Antirecurrence treatment of ulcer disease with methyluracil and nerobol] Lomazova MM. **Vrach Delo** 1:56-7, Jan 73 (Eng. Abstr.) **(Rus)**

METHENOLONE

THERAPEUTIC USE

[Androgens in treatment of acquired bone marrow aplasia] Jędrzejczak W. **Wiad Lek** 26:535-9, 15 Mar 73 (Eng. Abstr.) **(Pol)**

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

Methyltestosterone in constitutional growth delay and familial short stature. Sharma RK, et al. **NY State J Med** 73:2235-9, 15 Sep 73

ANALYSIS

[Infrared spectrophotometry in quantitative drug analysis. II. Assay of some steroids] Pawelczyk E, et al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) **(Pol)**

BLOOD

Methyltestosterone in constitutional growth delay and familial short stature. Sharma RK, et al. **NY State J Med** 73:2235-9, 15 Sep 73

PHARMACODYNAMICS

Inhibition of nuclear testosterone 5 alpha-reductase in rat ventral prostate by estrogens and anti-androgens. Shimazaki J, et al. **Endocrinol Jap** 19:585-8, Dec 72

THERAPEUTIC USE

A controlled trial of Potensan Forte ("aphrodisiac" and testosterone combined) in impotence. Cooper AJ, et al. **Ir J Med Sci** 142:155-61, Jul 73

Methyltestosterone in constitutional growth delay and familial short stature. Sharma RK, et al. **NY State J Med** 73:2235-9, 15 Sep 73

[Treatment of glossodynia with Ambosex] Joób-Fancsaly G. **Fogorv Sz** 66:185, Jun 73 **(Hun)**

NANDROLONE

Affinity chromatography and the purification o estrogen receptors. Sica V, et al. **J Biol Chem** 248:6543-58, 25 Sep 73

ADMINISTRATION & DOSAGE

The dermatotrophic activity of nandrolone decanoat in eczema. Ormea F, et al. **Br J Clin Pract** 27:261-4, Jul 73

A dose-response evaluation of androgens in th treatment of metastatic breast cancer. Talley RW, e al. **Cancer** 32:315-20, Aug 73

CHEMICAL SYNTHESIS

Selective synthesis of 14-dehydroestranes. Rasmusse GH, et al. **Steroids** 22:107-11, Jul 73

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 7

PHARMACODYNAMICS

Induction of premature menstruation with anabol steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

Influence of hormonal contraceptives on carbohydra and lipid metabolism in the rat. Schillinger E, et a **Biochem Pharmacol** 22:1835-44, 1 Aug 73

The dermatotrophic activity of nandrolone decanoa in eczema. Ormea F, et al. **Br J Clin Pract** 27:261-4, Jul 73

Increased stem cell response to erythropoietin induce by androgens. Gorshein D, et al. **Endocrinology** 93:777-80, Oct 73

Current concepts of the action of androgenic steroi on erythropoiesis. Jepson JH, et al. **J Pediatr** 83:703-8, Oct 73 (49 ref.)

Effect of hormone therapy on mitogenic responses lymphocytes from patients with cancer of the breas Pentycross CR, et al. **Lancet** 2:177-9, Jul 73

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 7

THERAPEUTIC USE

The dermatotrophic activity of nandrolone decanoa in eczema. Ormea F, et al. **Br J Clin Pract** 27:261-4, Jul 73

A dose-response evaluation of androgens in th treatment of metastatic breast cancer. Talley RW, al. **Cancer** 32:315-20, Aug 73

Comparative study on the erythropoietic effects androgens and their mode of action. Gorshein D, et a **J Appl Physiol** 35:276-8, Sep 73

Effect of hormone therapy on mitogenic responses lymphocytes from patients with cancer of the breas Pentycross CR, et al. **Lancet** 2:177-9, Jul 73

[Double blind study on two local administered cortico preparations for eczema therapy] Aertgeerts J, et a **Med Monatsschr** 27:129-31, Mar 73 **(Ge**

NORETHANDROLONE

PHARMACODYNAMICS

[Effects of growth hormone and norethandrolon singly and in combination, on nitrogen balance in t rat. Summation effect] Elsair J, et al. **Ann Biol Clin (Paris)** 31:225-30, 1973 (Eng. Abstr **(Fr**

NORETHINDRONE

Serum levels of copper, caeruloplasmin and caeruloplasmin oxidase activity in women usi copper-containing intrauterine devices and in wom taking combined oral contraceptives. Daunter B, et **J Obstet Gynaecol Br Commonw** 80:644-7, Jul

ADMINISTRATION & DOSAGE

Daily serum follicle-stimulating hormone, luteinizi hormone, and plasma testosterone and androstenedione in hirsute women with polycys sclerotic ovaries: effects of diethylstilbestrol a norethindrone acetate. Daane TA, et al. **Am J Obstet Gynecol** 117:392-9, 1 Oct 73

Low dosage progestagen as an oral contraceptive:

clinical study. Whyte JC, et al.
Can Med Assoc J 109:295-8, 18 Aug 73
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
Hormones and contraception in the male and the relative merits of hormonal control and vasectomy. Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 73
[Experimental studies on estrus synchronization in sheep] Nöldner H, et al.
Arch Exp Veterinaermed 26:1019-29, Dec 72 (Eng. Abstr.) **(Ger)**
[Results of the use of an estrogen-progestagen combination at low dosage as a contraceptive. Preliminary report] Ruiz Moreno JA, et al.
Ginecol Obstet Mex 34:35-42, Jul 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Low dosage progestagen as an oral contraceptive: a clinical study. Whyte JC, et al.
Can Med Assoc J 109:295-8, 18 Aug 73
Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. Davidoff F, et al.
N Engl J Med 289:552-5, 13 Sep 73
[Results of the use of an estrogen-progestagen combination at low dosage as a contraceptive. Preliminary report] Ruiz Moreno JA, et al.
Ginecol Obstet Mex 34:35-42, Jul 73 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al.
Anal Chim Acta 65:220-2, Jun 73 **(Fre)**

METABOLISM

Comparative studies on the enzymatic cleavage of steroid esters in different tissues of the rat and in adipose human tissue. Bellmann O, et al.
Acta Endocrinol [Suppl] (Kbh) 173:138, 1973

PHARMACODYNAMICS

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973
Influence of hormonal contraceptives on carbohydrate and lipid metabolism in the rat. Schillinger E, et al.
Biochem Pharmacol 22:1835-44, 1 Aug 73
The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al.
Experientia 29:95-6, 1 May 73
[Experimental studies on estrus synchronization in sheep] Nöldner H, et al.
Arch Exp Veterinaermed 26:1019-29, Dec 72 (Eng. Abstr.) **(Ger)**
[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B.
Dtsch Gesundheitsw 28:223-7, 1973 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Control of paroxysmal ventricular tachycardia with oral contraceptives. Gorfinkel HJ, et al.
Chest 64:279-80, Aug 73
[Cytological check-up on the effectiveness of the hormonal treatment of endometriosis] Kopečný J, et al. **Cesk Gynekol** 38:38-9, 1973 **(Cze)**

NORETHYNODREL

ADVERSE EFFECTS

From a malpractice lawyer's case book.
Med Times 100:48 passim, Sep 72
[Blood hypercoagulability with administration of norethynodrel: correction for purification of progestin] Brazeau P, et al.
Can J Physiol Pharmacol 51:555-8, Jul 73 **(Fre)**
[Ophthalmological complications after oral contraceptives] Varga M.
Klin Monatsbl Augenheilkd 162:621-9, May 73 (Eng. Abstr.) **(Ger)**
[Liver function tests following long-term intake of oral contraceptives] Misz M, et al.
Zentralbl Gynaekol 95:716-21, 25 May 73 **(Ger)**

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al.
Anal Chim Acta 65:220-2, Jun 73 **(Fre)**

ISOLATION & PURIFICATION

[Blood hypercoagulability with administration of norethynodrel: correction for purification of progestin] Brazeau P, et al.
Can J Physiol Pharmacol 51:555-8, Jul 73 **(Fre)**

PHARMACODYNAMICS

Effect of the contraceptive steroids norethynodrel and mestranol on dental caries activity in young adult female rats. Liu FT, et al.
J Dent Res 52:753-7, Jul-Aug 73
Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. Tabacchi MH, et al.
J Nutr 103:1270-8, Sep 73
[Blood hypercoagulability with administration of norethynodrel: correction for purification of progestin] Brazeau P, et al.
Can J Physiol Pharmacol 51:555-8, Jul 73 **(Fre)**

THERAPEUTIC USE

From a malpractice lawyer's case book.
Med Times 100:48 passim, Sep 72
[Cytological check-up on the effectiveness of the hormonal treatment of endometriosis] Kopečný J, et al. **Cesk Gynekol** 38:38-9, 1973 **(Cze)**

TOXICITY

Progestins and mammary cancer induction. Coezy E, et al. **Br J Cancer** 28:83, Jul 73
Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis. Heston WE, et al. **J Natl Cancer Inst** 51:209-24, Jul 73

NORGESTREL

Failure to induce sterility in male rats with continuously released micro-quantities of cyproterone acetate and norgestrel. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:120, 1973

ADMINISTRATION & DOSAGE

Failure to induce sterility in male rats with continuously released micro-quantities of cyproterone acetate and norgestrel. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:120, 1973
Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians. Kuku SB, et al.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73

ADVERSE EFFECTS

Erythema nodosum secondary to the use of oral contraceptive. A case report. Stumbo WG.
J Ky Med Assoc 71:433-4, Jul 73

PHARMACODYNAMICS

The estrogenic potency of ethinylestradiol and mestranol--a comparative study. Schwartz U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973
Metabolic effects of a combination of dl-norgestrel and ethinylestradiol in humans. Gerhards E, et al.
Arzneim Forsch 23:779-84, Jun 73
Influence of hormonal contraceptives on carbohydrate and lipid metabolism in the rat. Schillinger E, et al.
Biochem Pharmacol 22:1835-44, 1 Aug 73
[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Effects of a cycle-regulating 2-phase preparation on

peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) (Ger)

NORMETHANDROLONE

METABOLISM

Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al. **J Biol Chem** 248:6154-62, 10 Sep 73

OXANDROLONE

METABOLISM

Oxandrolone disposition and metabolism in man. Karim A, et al. **Clin Pharmacol Ther** 14:862-9, Sep-Oct 73

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

OXYMETHOLONE

ADMINISTRATION & DOSAGE

Oxymetholone in myelofibrosis and chronic lymphocytic leukemia. Presant CA, et al. **Arch Intern Med** 132:175-8, Aug 73

ADVERSE EFFECTS

Arsenic, oxymetholone, and leukemia. Ehrlich LR. **Ann Intern Med** 79:288, Aug 73

Oxymetholone in myelofibrosis and chronic lymphocytic leukemia. Presant CA, et al. **Arch Intern Med** 132:175-8, Aug 73

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al. **Am J Obstet Gynecol** 117:121-5, 1 Sep 73

THERAPEUTIC USE

Arsenic, oxymetholone, and leukemia. Ehrlich LR. **Ann Intern Med** 79:288, Aug 73

Oxymetholone in myelofibrosis and chronic lymphocytic leukemia. Presant CA, et al. **Arch Intern Med** 132:175-8, Aug 73

Comparative study on the erythropoietic effects of androgens and their mode of action. Gorshein D, et al. **J Appl Physiol** 35:276-8, Sep 73

[Androgens in treatment of acquired bone marrow aplasia] Jędrzejczak W. **Wiad Lek** 26:535-9, 15 Mar 73 (Eng. Abstr.) (Pol)

PREGNANEDIOL

ANALYSIS

Progesterone, 20alpha-dihydroprogesterone, 20beta-dihydroprogesterone and pregnanediol in different human fetal tissues. Runnebaum B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:48, 1973

BIOSYNTHESIS

De-novo steroid synthesis in the seminiferous tubule of the adult rat testis. Vinson GP, et al. **J Endocrinol** 58:3-4, Jul 73

PHARMACODYNAMICS

Studies of mammalian glucoside conjugation. Gessner T, et al. **Biochem J** 132:249-58, Feb 73

Panel discussion: hormones and fetal metabolism. **Clin Pharmacol Ther** 14:742-7, Jul-Aug 73

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73

URINE

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:347-59, Jun 73

Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al. **Am J Obstet Gynecol** 117:75-9, 1 Sep 73

Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al. **Fertil Steril** 24:578-83, Aug 73

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al. **Ann Endocrinol (Paris)** 34:48-56, Jan-Feb 73 (Eng Abstr.) (Fre

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al. **Clin Chim Acta** 46:277-96, 14 Jul 73 (Eng. Abstr.) (Fre

[Modus of hormonal excretion and hormonal effects of 1-alpha-methyl-5-alpha-androsten-17-beta-ol-3-on (mesterolon in women)] Abrahamsson L, et al. **Arch Gynaekol** 215:157-69, 25 Jun 73 (Eng. Abstr. (Ger

[The intrauterine retarded newborn infant. Review and recommendations of the Society for Perinatal Medicine of the DDR. II. Etiology, pathogenesis, prenatal diagnosis, prenatal and postnatal therapy and prognosis] Beyreibb K, et al. **Z Aerztl Fortbild (Jena)** 67:481-7, 15 May 73 (90 ref. (Ger

[Ambulatory diagnosis of cycle disorders] Stojanov S et al. **Z Aerztl Fortbild (Jena)** 67:31-3, 1 Jan 73 (Ger

[Circadian changes in the urinary excretion of the principal free corticosteroids and glucuronoconjugates] Molino G, et al. **Folia Endocrinol (Roma)** 26:110-7, Apr 73 (Eng Abstr.) (Ita

[Modifications of the gas chromatographic pattern of urinary corticosteroids induced by various doses of beta 1-24 corticotropin] Molino G, et al. **Folia Endocrinol (Roma)** 26:118-25, Apr 73 (Eng Abstr.) (Ita

[Fractionation of urinary neutral steroids of normal adults and women in early pregnancy by gas-liquid chromatography] Watatani H. **Folia Endocrinol Jap** 49:1080-102, 20 Aug 73 (Eng Abstr.) (Jap

[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER. **Akush Ginekol (Mosk)** 48:3-9, Oct 72 (Eng. Abstr. (Rus

[Simultaneous determination of urinary excretion levels of luteinizing hormone, pregnanediol, pregnanetriol,17-hydrocorticosteroids and 17-ketosteroids during normal and clinically uncomplicated menstrual cycle] Rivera Damm R, et al **Ginecol Obstet Mex** 33:301-11, Mar 73 (Eng. Abstr. (Spa

[Mechanism of action of cuneiform resection of the ovaries in a patient with Stein-Leventhal syndrome; effect of gonadotropin secretion] Zárate A, et al **Rev Invest Clin** 25:175-80, Apr-Jun 73 (Eng. Abstr. (Spa

PREGNANES

Althesin: a new intravenous steroid anaesthetic **Drug Ther Bull** 11:51-2, 22 Jul 73

Reduction of C19-, C21-, C24-, and C27-3-oxosteroids by rat-liver microsomes. Björkhem I, et al. **Eur J Biochem** 36:8-15, 2 Jul 73

Use of the steroid anaesthetic CT 1341 in birds. Cooper JE, et al. **Vet Rec** 92:474-9, 5 May 73

Advances in small animal anaesthesia, 1972. Stock JE **Vet Rec** 92:351-4, 7 Apr 73 (4 ref.)

[Hydrolysis of glucosiduronates of urinary steroids related to pregnane and estrane by a new fast-acting E. coli beta-glucuronidase] Scholler R, et al. **C R Acad Sci [D] (Paris)** 276:3363-6, 18 Jun 73 (Fre

ADMINISTRATION & DOSAGE

The anti-dysrhythmic effect of Althesin. Cundy JM. **Anaesthesia** 28:544-5, Sep 73

Effective erythropoiesis induced by 5beta-pregnane-3beta-hydroxy-20-one in squirrel monkeys. Besa EC, et al. **J Clin Invest** 52:2278-82, Sep 73

Use of the steroid anaesthetic CT 1341 in birds. Cooper JE, et al. **Vet Rec** 92:474-9, 5 May 73

Advances in small animal anaesthesia, 1972. Stock JE. **Vet Rec** 92:351-4, 7 Apr 73 (4 ref.)

[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 **(Ger)**

[Anesthesia using a new intravenous anesthetic, CT-1341 (Althesin-Glaxo). 2. Prolonged anesthesia with CT-1341 alone] Takahashi T, et al. **Jap J Anesthesiol** 22:364-70, Apr 73 (Eng. Abstr.) **(Jap)**

ADVERSE EFFECTS

Epileptiform convulsion with Althesin. Uppington J. **Anaesthesia** 28:546-50, Sep 73

Bronchospasm after althesin anaesthesia. **Br Med J** 3:291, 4 Aug 73

Althesin: a new intravenous steroid anaesthetic. **Drug Ther Bull** 11:51-2, 22 Jul 73

CT1341 and feline anaesthesia. Evans JM. **Vet Rec** 92:381, 7 Apr 73

CT 1341 and feline anaesthesia. Gregory PA. **Vet Rec** 92:350, 31 Mar 73

[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 **(Ger)**

ANALYSIS

Progesterone, 20alpha-dihydroprogesterone, 20beta-dihydroprogesterone and pregnanediol in different human fetal tissues. Runnebaum B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:48, 1973

BIOSYNTHESIS

Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice. Nishizuka Y, et al. **Endocrinology** 93:786-92, Oct 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus). Weiss M. **J Endocrinol** 58:251-62, Aug 73

METABOLISM

5Alpha-steroid reductase in human fetal brain. Mickan H. **Acta Endocrinol [Suppl] (Kbh)** 173:136, 1973

Conversion of progesterone by rat anterior pituitary tissue to 5 alpha-pregnane-3,20-dione and 3 alpha-hydroxy-5 alpha-pregnan-20-one. Robinson JA, et al. **Endocrinology** 93:430-5, Aug 73

The production of reduced C19 steroids by the prepubertal rat testis from 5 -pregnane-3,20-dione. Richards G, et al. **J Endocrinol** 58:2-3, Jul 73

PHARMACODYNAMICS

Studies of mammalian glucoside conjugation. Gessner T, et al. **Biochem J** 132:249-58, Feb 73

Interaction of suxamethonium with intravenous induction agents. Carson IW, et al. **Br J Pharmacol** 47:679P, Mar 73

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73

Effective erythropoiesis induced by 5beta-pregnane-3beta-hydroxy-20-one in squirrel monkeys. Besa EC, et al. **J Clin Invest** 52:2278-82, Sep 73

The effect of steroid metabolites on the hematopoietic stem cell pool. Hait WN, et al. **J Pharmacol Exp Ther** 186:656-61, Sep 73

The effect of thiamylal and propanidid on the isolated heart muscle in comparison with CT 1341. Iwatsuki N. **Tohoku J Exp Med** 110:33-40, May 73

Effects of Althesin (CT 1341) on the oxidative drug metabolizing enzyme system of the liver microsome] Takahashi S, et al. **Jap J Anesthesiol** 22:442-6, May 73 (Eng. Abstr.) **(Jap)**

[Anesthesia by a new steroid anesthetic, CT 1341 (Althesin-Glaxo). 3. Comparison of a ultra-short acting intravenous anesthesia, CT1341 with propanidid and methohexital, with special reference to their effects on respiratory and cardiovascular systems] Takasaki M, et al. **Jap J Anesthesiol** 22:447-54, May 73 (Eng. Abstr.) **(Jap)**

THERAPEUTIC USE

The anti-dysrhythmic effect of Althesin. Cundy JM. **Anaesthesia** 28:544-5, Sep 73

Statistical aspects of a co-operative trial on the treatment of ovarian carcinoma. MacRae KD. **Postgrad Med J** 49:78-80, Feb 73

[Clocortolone (Cl 68) versus fluocinolone, a double-blind, randomized lateral comparison] Borelli S, et al. **Hautarzt** 24:294-7, Jul 73 **(Ger)**

URINE

Primary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE de, et al. **Acta Med Scand** 193:565-71, Jun 73

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al. **Clin Chim Acta** 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**

PREGNENES

Affinity labeling of steroid binding sites. Study of the active site of 20-beta-hydroxysteroid dehydrogenase with 6-beta- and 11 alpha-bromoacetoxyprogesterone. Arias F, et al. **J Biol Chem** 248:5641-7, 25 Aug 73

ANALYSIS

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al. **Anal Chim Acta** 65:220-2, Jun 73 **(Fre)**

BLOOD

The effects of hysterectomy and decidual induction on luteal maintenance in rabbits. Hoffman LH, et al. **Endocrinology** 93:348-55, Aug 73

CHEMICAL SYNTHESIS

Affinity labeling of steroid binding sites. Study of the active site of 20-beta-hydroxysteroid dehydrogenase with 6-beta- and 11 alpha-bromoacetoxyprogesterone. Arias F, et al. **J Biol Chem** 248:5641-7, 25 Aug 73

Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14, 17-ethano-4-pregnene-3,20-dione. Solo AJ, et al. **J Med Chem** 16:270-3, Mar 73

METABOLISM

Primary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol. Lange WE de, et al. **Acta Med Scand** 193:565-71, Jun 73

The role of energy metabolism in steroid bioconversion. Sedlaczek L, et al. **Acta Microbiol Pol [B]** 5:103-10, 1973

The role of 18-hydroxy-11-deoxycorticosterone as a precursor in human adrenal tissue in vitro. Grekin RJ, et al. **J Clin Endocrinol Metab** 37:261-4, Aug 73

PHARMACODYNAMICS

Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al. **Fertil Steril** 24:578-83, Aug 73

Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14, 17-ethano-4-pregnene-3,20-dione. Solo AJ, et al. **J Med Chem** 16:270-3, Mar 73

SECRETION

Production of steroids in vivo by regenerated adrenal

glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73

URINE

Retro-steroids. I. Metabolism of the progestogen 6-chloro-9 , 10 -pregna-1,4,6-triene-3,20-dione in man. Dixon R, et al. **Steroids** 22:35-46, Jul 73

PREGNENOLONE

Microbial transformation of cholesterol into coprostanol. Properties of a 3-oxo- 4-steroid-5 beta-reductase. Björkhem I, et al.
Eur J Biochem 37:143-7, 1 Aug 73

A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al.
J Biol Chem 248:5736-41, 25 Aug 73

Cytochrome P-450 from bovine adrenocortical mitochondria: an enzyme for the side chain cleavage of cholesterol. I. Purification and properties. Shikita M, et al. **J Biol Chem** 248:5598-604, 25 Aug 73

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Ultrastructural changes in rat hepatocytes following discontinuation of pregnenolone-16 alpha-carbonitrile treatment. Garg BD, et al.
Acta Anat (Basel) 85:190-205, 1973

ANALYSIS

Identification and quantification of unconjugated neutral steroids in adrenal and liver tissue of early and mid-term human fetuses. Huhtaniemi I.
Steroids 21:511-9, Apr 73

[Hydroxylation of progesterone and pregnenolone in the adrenal mitochondria of swine] Afinogenova SA, et al.
Probl Endokrinol (Mosk) 19:66-70, May-Jun 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Influence of pregnenolone-16-alpha-carbonitrile on spermatogenesis and on the spermatogenic activity of pregnenolone. Taché Y, et al.
J Endocrinol 58:233-8, Aug 73

BIOSYNTHESIS

Free fatty acids and ovarian steroidogenesis. Stevenson PM, et al. **J Endocrinol** 58:iv-v, Jul 73

METABOLISM

In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:73, 1973

The influence of ACTH and HCG on the steroidogenesis of fetal adrenals in vitro. Lehmann WD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:75, 1973

Aromatization of 3H-pregnenolone sulfate in the rhesus monkey liver in vivo. Wortmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:8, 1973

Metabolic regulation of steroid steroidogenesis in isolated adrenal and adrenocortical carcinoma cells of rat. The incorporation of (20S)-20-(7- 3 H)hydroxycholesterol into deoxycorticosterone and corticosterone. Sharma RK, et al.
Arch Biochem Biophys 156:560-2, Jun 73

Interaction of drugs and steroids with human placental microsomes. Bergheim P, et al.
Biochem Pharmacol 22:1633-45, 1 Jul 73

Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al.
Biol Reprod 9:1-8, Aug 73

Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice. Nishizuka Y, et al. **Endocrinology** 93:786-92, Oct 73

Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Slaga TJ, et al
Endocrinology 93:517-26, Sep 73

Steroid metabolism in testis tissue. Concentrations o testosterone, pregnenolone and 5 -androst-16-en-3 -o in normal and cryptorchid rat testis, and in isolate interstitial and tubular tissue. Ruokonen A, et al
FEBS Lett 31:321-3, 1 May 73

In vitro corticosteroidogenesis by the adrenal gland o the chicken (Gallus domesticus). Nakamura T, et al
Gen Comp Endocrinol 21:99-107, Aug 73

Metabolism of 3-beta-hydroxy-5-ene steroids by teste of rats acclimatized to a hot environment. Bedrak E, e al. **J Endocrinol** 58:207-17, Aug 73

De-novo steroid synthesis in the seminiferous tubule o the adult rat testis. Vinson GP, et al.
J Endocrinol 58:3-4, Jul 73

Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) an platypus (Ornithorhynchus anatinus). Weiss M.
J Endocrinol 58:251-62, Aug 73

Androgen biosynthesis by testicular tissue of th desert rodents, Acomys cahirinus and Gerbillu dasyurus. Bedrak E, et al.
J Reprod Fertil 34:93-104, Jul 73

Hormones and contraception in the male and th relative merits of hormonal control and vasectomy Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 7

[Hydroxylation of progesterone and pregnenolone i the adrenal mitochondria of swine] Afinogenova SA et al.
Probl Endokrinol (Mosk) 19:66-70, May-Jun 73 (Eng Abstr.) **(Rus**

PHARMACODYNAMICS

Ultrastructural changes in rat hepatocytes followin discontinuation of pregnenolone-16 alpha-carbonitrile treatment. Garg BD, et al.
Acta Anat (Basel) 85:190-205, 1973

Effect of spironolactone and pregnenolone-16alph carbonitrile on bilirubin metabolism and plasm levels in male and female rats. Radzialowski FM
Biochem Pharmacol 22:1607-11, 1 Jul 73

Effects of iodinated contrast media on erythrocytes. II Effect of some drugs on alterations induced b meglumine acetrizoate. Peroni F, et al.
Invest Radiol 8:205-9, Jul-Aug 73

Regulation of hydroxylation of 5 alpha-androstane- beta, 17 beta-diol in liver microsomes from male an female rats. Berg A, et al.
J Biol Chem 248:6559-67, 25 Sep 73

Influence of pregnenolone-16-alpha-carbonitrile o spermatogenesis and on the spermatogenic activity o pregnenolone. Taché Y, et al.
J Endocrinol 58:233-8, Aug 73

Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacologica compounds. Seeley RR, et al.
Prostaglandins 2:33-40, Jul 72

The effect of bee venom on serum corticosterone level and adrenal mitochondrial cytochrome P-450 in intac and hypophysectomized rats. Alfano JA, et al
Toxicon 11:101-2, Jan 73

SECRETION

Production of steroids in vivo by regenerated adrena glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73

PROGESTATIONAL HORMONES

[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 **(Fre**

ADMINISTRATION & DOSAGE

Influence of hormonal contraceptives on carbohydrat and lipid metabolism in the rat. Schillinger E, et al
Biochem Pharmacol 22:1835-44, 1 Aug 73

[Hormonal contraception] Lecart C.
Rev Med Liege 28:366-73, 1 Jun 73 **(Fre**

[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap**

ADVERSE EFFECTS

Studies of carbohydrate and lipid metabolism in wome

developing hypertension on oral contraceptives. Mason B, et al. **Br Med J** 3:317-20, 11 Aug 73
[Tolerance of the normocyclic sequence drug Oraconal and of various neutral hormones as well as of gestagen emphasizing contraceptive agents in the medical practice. Results of a group study of 173 established gynecologists involving 1539 women] Erdmann G, et al. **Fortschr Med** 91:Suppl:303-10, Mar 73 **(Ger)**
[Vasomotoric rhintis as an adverse effect of hormonal contraception] Schreiber U.
HNO 21:180-1, Jun 73 (Eng. Abstr.) **(Ger)**
[Skin diseases induced by hormones] Nishiyama S. **Clin Endocrinol (Tokyo)** 20:845-9, Oct 72 (11 ref.) **(Jap)**

ANALYSIS

Electron capture gas chromatographic determination of melengestrol acetate in animal feed supplements. Davis RA, et al. **J Assoc Off Anal Chem** 55:103-9, Jan 72

BIOSYNTHESIS

Free fatty acids and ovarian steroidogenesis. Stevenson PM, et al. **J Endocrinol** 58:iv-v, Jul 73

BLOOD

Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al.
Endocrinology 93:316-23, Aug 73
Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al.
Prostaglandins 4:17-30, Jul 73

CHEMICAL SYNTHESIS

Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14,
17-ethano-4-pregnene-3,20-dione. Solo AJ, et al.
J Med Chem 16:270-3, Mar 73

METABOLISM

Retro-steroids. I. Metabolism of the progestogen 6-chloro-9 , 10 -pregna-1,4,6-triene-3,20-dione in man. Dixon R, et al. **Steroids** 22:35-46, Jul 73
Progesterone binding in the immature mouse and rat uterus. Philibert D, et al. **Steroids** 22:89-98, Jul 73

PHARMACODYNAMICS

Hormonal effects on fetal development: a survey. Jost A. **Clin Pharmacol Ther** 14:714-20, Jul-Aug 73
Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Maeda HR, et al.
Endocrinol Jap 19:525-32, Dec 72
The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation. Clayman S, et al.
Experientia 29:95-6, 1 May 73
nhibition of testosterone biosynthesis by medrogestone. Givner ML, et al.
Experientia 28:1105-6, 15 Sep 72
Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary. Aref I, et al.
Fertil Steril 24:578-83, Aug 73
Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14,
17-ethano-4-pregnene-3,20-dione. Solo AJ, et al.
J Med Chem 16:270-3, Mar 73
he interaction of some oral contraceptive steroids with lipid monolayers and with Erythrocytes. Florence AT, et al.
J Pharm Pharmacol 24:942-9, Dec 72
he effect of some oral contraceptive steroids on platelet electrophoretic mobility in vitro. Florence AT, et al. **J Pharm Pharmacol** 24:983-5, Dec 72
ontrol of reproduction and of undesirable social and sexual behaviour in dogs and cats. Gerber HA, et al.
J Small Anim Pract 14:151-8, Mar 73
ertility and embryo survival after administration of melengestrol acetate in rabbits. Britt JH, et al.
Proc Soc Exp Biol Med 143:681-4, Jul 73
Progesterone binding in the immature mouse and rat uterus. Philibert D, et al. **Steroids** 22:89-98, Jul 73
The British Veterinarian and modern sheep reproduction. Fraser AF. **Vet Rec** 92:585-8, 2 Jun 73
[Blood hypercoagulability with administration of norethynodrel: correction for purification of progestin] Brazeau P, et al.
Can J Physiol Pharmacol 51:555-8, Jul 73 **(Fre)**
[Shifting of the menstruation] Lauritzen C.
Ther Umsch 30:479-85, Jul 73 (Eng. Abstr.) **(Ger)**
[Two types of contraceptives and their influence on endocrine balance] Stěrba R.
Zentralbl Gynaekol 95:847-50, 22 Jun 73 **(Ger)**

PHYSIOLOGY

Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al.
Endocrinology 93:316-23, Aug 73

THERAPEUTIC USE

Gynaecology in general practice. Adam GS.
Med J Aust 2:130-2, 21 Jul 73
Experimental approaches to endometrial and ovarian cancer. Brush MG. **Postgrad Med J** 49:73-6, Feb 73
The problems of drug treatment of breast cancer. Perlia CP. **Semin Drug Treat** 3:87-100, Summer 73
[Tolerance of the normocyclic sequence drug Oraconal and of various neutral hormones as well as of gestagen emphasizing contraceptive agents in the medical practice. Results of a group study of 173 established gynecologists involving 1539 women] Erdmann G, et al. **Fortschr Med** 91:Suppl:303-10, Mar 73 **(Ger)**
[The course of pregnancy following induction of ovulation with epimestrol] Sas M, et al.
Geburtshilfe Frauenheilkd 33:506-9, Jun 73 (Eng. Abstr.) **(Ger)**
[Imminent abortion] Wallner HJ.
Med Klin 68:497-500, 20 Apr 73 (27 ref.) **(Ger)**
[Current treatment of dysmenorrhea] Schurz AR.
Ther Umsch 30:511-5, Jul 73 (Eng. Abstr.) **(Ger)**
[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap)**

TOXICITY

Progestins and mammary cancer induction. Coezy E, et al. **Br J Cancer** 28:83, Jul 73

PROGESTERONE

Studies on the progestational endometrium of the rabbit. I. Light microscopy, day 0 to day 13 of gonadotrophin-induced pseudopregnancy. Davies J, et al. **Am J Anat** 137:423-45, Aug 73
Steroid-protein interactions. XXVII. Progesterone binding to polymers of human serum albumin. Westphal U, et al.
Biochim Biophys Acta 310:518-27, 15 Jun 73
Microbial transformation of cholesterol into coprostanol. Properties of a 3-oxo- 4-steroid-5 beta-reductase. Björkhem I, et al.
Eur J Biochem 37:143-7, 1 Aug 73
Biological behaviour of reticulum cell neoplasm type A originating in the uterus of female ICRC mouse treated with progesterone. Pai SR.
Indian J Exp Biol 10:405-8, Nov 72
A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al.
J Biol Chem 248:5736-41, 25 Aug 73
Urea increases serum albumin binding of drugs. Pagnini G, et al. **J Pharm Pharmacol** 24:981-2, Dec 72
Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)
[Mineralocorticoids and essential hypertension] Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

A surgical approach for repeated exposure of bovine fetal circulation. Gibson CD, et al.
Am J Vet Res 34:981-2, Jul 73
The effect of implanted gonadal hormones on feather pecking and cannibalism in pullets. Hughes BO.
Br Poult Sci 14:341-8, Jul 73
Treatment of premenopausal endometrial hyperplasia

by a combination of a long-acting estrogen and a cyclic progestogen. Ricciardi I, et al.
Curr Ther Res 15:402-16, Jul 73

Arresting premature labour: orciprenaline and other drugs. **Drug Ther Bull** 11:25-7, 30 Mar 73

Role of estrogen and progesterone in facilitating LH release in 4-day cyclic rats. Mann DR, et al.
Endocrinology 93:894-9, Sep 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73

Morphologic sex differences in primate brain areas involved in regulation of reproductive activity. Bubenik GA, et al. **Experientia** 29:619-21, 15 May 73

Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y.
J Embryol Exp Morphol 29:105-16, Feb 73

Anomalous effects of progesterone on the maturation and survival of spermatozoa in the epididymis of the golden hamster. Lubicz-Nawrocki CM.
J Endocrinol 58:199-205, Aug 73

Induction of hepatic enzymes during normal human pregnancy. Davis M, et al.
J Obstet Gynaecol Br Commonw 80:690-4, Aug 73

Regeneration of the endometrium in rabbits after curettage. II. Pretreatment with progesterone. Schenker JG, et al. **J Reprod Med** 11:49-57, Aug 73

Female sex hormones: effect on the kinetics of cholesterol metabolism in rabbits. Ho KJ, et al.
Proc Soc Exp Biol Med 143:810-5, Jul 73

The delay of spontaneous labor by Naproxen in the rat model. Csapo AI, et al. **Prostaglandins** 3:827-37, Jun 73

[Bioavailability of various steroids administered orally] Bruni G, et al.
Boll Chim Farm 112:110-5, Feb 73 (Eng. Abstr.) **(Ita)**

[Steroid administration in subcutaneous devices] Nava y Sánchez R, et al.
Ginecol Obstet Mex 34:15-26, Jul 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Treatment of premenopausal endometrial hyperplasia by a combination of a long-acting estrogen and a cyclic progestogen. Ricciardi I, et al.
Curr Ther Res 15:402-16, Jul 73

Hormonal factors in dermatitis herpetiformis. Report of two cases. Haim S, et al.
Dermatologica 145:199-202, 1972

[Experimental study on pathogenesis of pyelonephritis during pregnancy] Commichau R, et al.
Geburtshilfe Frauenheilkd 33:464-70, Jun 73 (Eng. Abstr.) **(Ger)**

ANALYSIS

Progesterone, 20alpha-dihydroprogesterone, 20beta-dihydroprogesterone and pregnanediol in different human fetal tissues. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:48, 1973

Endocrinology of implantation. McLaren A.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 ref.)

[Infrared spectrophotometry in quantitative drug analysis. II. Assay of some steroids] Pawelczyk E, et al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) **(Pol)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries of hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al.
Adv Cyclic Nucleotide Res 1:493-502, 1972

Cytology of the corpus luteum. Enders AC.
Biol Reprod 8:158-82, Mar 73 (75 ref.)

Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al.
Biol Reprod 9:1-8, Aug 73

In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 21:99-107, Aug 73

The effect of pyridine nucleotides and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. Scoon K et al. **J Endocrinol** 58:1, Jul 73

Progestin production in vitro by rabbit granulosa cell as an assay for luteinizing hormone. Shirley A, et a
J Endocrinol 58:345-6, Aug 73

Free fatty acids and ovarian steroidogenesis. Stevenson PM, et al. **J Endocrinol** 58:iv-v, Jul 7

De-novo steroid synthesis in the seminiferous tubule o the adult rat testis. Vinson GP, et al.
J Endocrinol 58:3-4, Jul 73

Effects of hormones, prostaglandins and cyclic-AMP o the synthesis of progesterone by the human placent in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul 7

Further studies of compounds exhibiting prolonge antioestrogenic and antifertility activity in th mouse. Emmens CW, et al.
J Reprod Fertil 34:29-40, Jul 73

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73

[Ovarian synthesis of steroid hormones and its periodi changes] Shinada T.
Clin Endocrinol (Tokyo) 21:495-502, May 73 **(Jap**

BLOOD

Concentrations of oestradiol-17 beta, oestrone an progesterone in jugular venous plasma of cows durin the oestrous cycle and in early pregnancy. Glencros RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 7

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripher plasma around parturition with special reference t the effect of exogenous corticoids and a prolacti inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73

Variations in plasma aldosterone and plasma reni activity throughout the menstrual cycle, with specia reference to the pre-ovulatory period. Sundsfjord JA et al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 7

On the fate of progesterone in the uterus of pregnan and non-pregnant rats. Egert D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:47, 1973

"Uterine" and "luteal" effects of prostaglandins (PG in rats and guinea pigs as potential abortifacien mechanisms. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:46, 1973

Radioimmunoassay of plasma progesterone. Friedric E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:112, 197

Experiments with LH and prolactin antisera and prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in th bovine. Hoffmann B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:39, 1973

Therapeutic aspects of LH-RH in ovarian insufficiency Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

Influence of early pregnancy on lipid and carbohydrat metabolism in normal females. Lindenmeyer D, et al
Acta Endocrinol [Suppl] (Kbh) 173:49, 1973

Relationships between weight changes and renin aldosterone, estrogens and progesterone in cyclica edema. Oelkers W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:159, 1973

Effect of alpha-MSH on plasma LH, progesterone an cortisol during the luteal phase of the menstrua cycle. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:41, 1973

Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 7

Induction of premature menstruation with anaboli steroids. Bolch OH Jr, et al.
Am J Obstet Gynecol 117:121-5, 1 Sep 73

The effect of vaginally administered prostaglandi F2alpha on corpus luteum function. Bolognese RJ, e al. **Am J Obstet Gynecol** 117:240-5, 15 Sep 7

Abortion of early pregnancy by the intravagina administration of prostaglandin F2alpha. Bologne RJ, et al. **Am J Obstet Gynecol** 117:246-50, 15 Sep 7

Plasma gonadotropin and ovarian steroid levels i uterovaginal atresia. A case report. D'Alberton A, e al. **Am J Obstet Gynecol** 117:389-91, 1 Oct 7

Basic studies for prolonged progestogen administration by vaginal devices. Henzl MR, et al
Am J Obstet Gynecol 117:101-6, 1 Sep 73

The effect of estradiol infusion on uterine activity an peripheral levels of prostaglandin F and progesterone. Larsen JW, et al.
Am J Obstet Gynecol 117:276-9, 15 Sep 73

Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al. **Am J Physiol** 225:508-12, Aug 73

Cycles of mating behaviour, oestrogen and progesterone in the thick-tailed bushbaby (Galago crassicaudatus crassicaudatus) under laboratory conditions. Eaton GG, et al. **Anim Behav** 21:309-15, May 73

Changes in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during late pregnancy and at parturition. Chamley WA, et al. **Biol Reprod** 9:30-5, Aug 73

Plasma progesterone concentration in the hen in relation to the ovulatory cycle. Haynes NB, et al. **Br Poult Sci** 14:349-57, Jul 73

Evaluation of a rapid competitive protein binding assay for progesterone in pregnancy and some of its complications. Teoh ES, et al. **Endocrinol Jap** 20:211-5, Apr 73

The concentrations of progesterone, estrone and estradiol-17 beta in the plasma of pregnant rabbits. Challis JR, et al. **Endocrinology** 93:971-6, Oct 73

The effects of hysterectomy and decidual induction on luteal maintenance in rabbits. Hoffman LH, et al. **Endocrinology** 93:348-55, Aug 73

An analysis of the negative feedback control of gonadotropin secretion utilizing chronic implantation of ovarian steroids in ovariectomized rhesus monkeys. Karsch FJ, et al. **Endocrinology** 93:478-86, Aug 73

Morphological and functional evidence for corpus luteum activity during late pregnancy in the rhesus monkey. Koering MJ, et al. **Endocrinology** 93:686-93, Sep 73

The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73

Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al. **Endocrinology** 93:843-7, Oct 73

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al. **Endocrinology** 93:954-9, Oct 73

Circadian rhythm of progesterone secretion during pseudogestation in the rat. Bischof P, et al. **Experientia** 29:615-6, 15 May 73

A direct progesterone radioimmunoassay. Castro A, et al. **Experientia** 29:636-7, 15 May 73

Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Snyder DL, et al. **Fertil Steril** 24:706-14, Sep 73

Intravenous prostaglandin F2alpha for induction of menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug 73

A new index to predict ovulation in the human. Cortés-Gallegos V. **Int J Fertil** 18:93-6, 1973

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al. **Int J Fertil** 18:65-73, 1973

Local effect of pregnancy on the corpus luteum in the pig: modifications of the utero-ovarian anatomical relationship. Longenecker DE, et al. **J Anim Sci** 37:111-3, Jul 73

Serum levels of luteinizing hormone, follicle-stimulating hormone and progesterone throughout the mentrual cycle of rhesus monkeys. Niswender GD, et al. **J Clin Endocrinol Metab** 37:326-8, Aug 73

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

Physiological, environmental, and hormonal factors at insemination which may affect conception. Gwazdauskas FC, et al. **J Dairy Sci** 56:873-7, Jul 73

Prostaglandin-induced parturition in the rabbit; quantitative aspects of the route and duration of administration. Abel M, et al. **J Endocrinol** 58:xvi, Jul 73

Progesterone-binding proteins: occurrence, capacity and binding affinity in hystricomorph rodents. Illingworth DV, et al. **J Endocrinol** 58:ii, Jul 73

Peripheral plasma progesterone concentrations in sheep during the oestrous cycle. McNatty KP, et al. **J Endocrinol** 58:219-25, Aug 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol** 58:33-4, Aug 73

Progesterone levels in the Sooty mangabey (Cercocebus atys) during the menstrual cycle, pregnancy and parturition. Stabenfeldt GH, et al. **J Med Primatol** 2:1-10, 1973

Serum oestrogens and progesterone after normal delivery. Said S, et al. **J Obstet Gynaecol Br Commonw** 80:542-5, Jun 73

Plasma progesterone changes in abortion induced by hypertonic saline in the second trimester of pregnancy. Tyack AJ, et al. **J Obstet Gynaecol Br Commonw** 80:548-52, Jun 73

The effects of a synthetic preparation of gonadotrophin releasing factor on pituitary and ovarian function in anoestrous ewes. Crighton DB, et al. **J Physiol (Lond)** 231:98P-99P, Jun 73

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)

The physiological role of prostaglandins in parturition. Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 ref.)

Prostaglandin F and progesterone concentrations in the utero-ovarian venous plasma of the ewe during the oestrous cycle and early pregnancy. Thorburn GD, et al. **J Reprod Fertil [Suppl]** 18:151-8, Jul 73

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG. **Metabolism** 22:1083-8, Aug 73 (44 ref.)

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Time course of decrease in blood pressure and in blood pressure response to vasopressor agents during pregnancy in the rat. Teeuw AH, et al. **Pfluegers Arch** 341:197-208, 6 Jul 73

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et al. **Prostaglandins** 2:453-64, Dec 72

The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)

The efficacy and acceptability of the "prostaglandin impact" in inducing complete abortion during the second week after the missed menstrual period. Csapo AI, et al. **Prostaglandins** 3:125-39, Feb 73

Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Currie WB, et al. **Prostaglandins** 4:201-14, Aug 73

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72

The counter-current transfer of prostaglandin in the ewe. Lamond DR, et al. **Prostaglandins** 3:691-702, May 73

Studies of prostaglandin F2 in the cow. Lamond DR, et al. **Prostaglandins** 4:269-84, Aug 73

The effect of prostaglandin on the electric activity of the pregnant uterus. Paiva CE de, et al. **Prostaglandins** 4:177-88, Aug 73

Uterine and peripheral plasma F-prostaglandins correlated with peripheral progesterone in cyclic rats. Saksena SK, et al. **Prostaglandins** 4:243-9, Aug 73

On the mechanism of midtrimester abortions induced by prostaglandin "impact". Saldana L, et al. **Prostaglandins** 3:847-58, Jun 73

Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al. **Prostaglandins** 4:17-30, Jul 73

Diurnal variations in ovarian steroids and luteinizing hormone in cows at oestrus. Katongole CB, et al. **Steroids Lipids Res** 4:1-5, 1973

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids** 22:47-61, Jul 73

A simple competitive protein-binding method for determination of progesterone in the rat plasma. Marić Z, et al. **Steroids** 22:113-21, Jul 73

[Comparative affinity of embryonal and maternal serums for corticosterone and progesterone in the

rat] Savu L, et al.
Eur J Biochem 35:464-70, 15 Jun 73 (Eng. Abstr.) **(Fre)**
[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) **(Ita)**
[Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Aoki T. **Folia Endocrinol Jap** 49:612-8, 20 Mar 73 (Eng. Abstr.) **(Jap)**
[Radioimmunoassay of plasma sex steroid hormones] Makino T.
Folia Endocrinol Jap 49:629-45, 20 Mar 73 (Eng. Abstr.) **(Jap)**
[Subunits of human chorionic gonadotropin] Tojo S, et al.
Folia Endocrinol Jap 49:599-611, 20 Mar 73 (Eng. Abstr.) **(Jap)**
[Prolonged gestation in the blue fox after treatment with choriongonadotropins] Moller OM.
Nord Vet Med 24:492-500, Oct 72 (Eng. Abstr.) **(Nor)**
[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER.
Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**
[Determination of progesterone in the plasma of pregnant women by the method of competitive binding with proteins] Pankova SS, et al.
Probl Endokrinol (Mosk) 19:32-5, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Physiology of the ovary. I] Cortés-Gallegos V.
Arch Invest Med (Mex) 4:29-40, 1973 (Eng. Abstr.) **(Spa)**
[Ovarian physiology. II. Methods for the diagnosis of ovulation] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 4:29-40, 1973 (Eng. Abstr.) **(Spa)**
[Physiology of the ovary. 3] Cortés-Gallegos V, et al.
Arch Invest Med (Mex) 4:51-68, 1973 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

[Ambulatory diagnosis of cycle disorders] Stojanov S, et al. **Z Aerztl Fortbild (Jena)** 67:31-3, 1 Jan 73 **(Ger)**

METABOLISM

In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone. Diedrichsen G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:73, 1973
On the fate of progesterone in the uterus of pregnant and non-pregnant rats. Egert D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:47, 1973
On the question of in-vitro metabolism of progesterone by rat and human uterus. Jonat W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:9, 1973
Progesterone binding protein and the influence of corticosteroids on the uptake of progesterone by the rat uterus. Wolf H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:68, 1973
Biotransformation of steroids by the skin. Berliner DL.
Adv Biol Skin 12:357-65, 1972 (36 ref.)
Microbiological transformation of bile acids. Hayakawa S. **Adv Lipid Res** 11:143-92, 1973 (145 ref.)
Control of ovarian cholesterol ester biosynthesis. Flint AP, et al. **Biochem J** 132:313-21, Feb 73
Interaction of drugs and steroids with human placental microsomes. Bergheim P, et al.
Biochem Pharmacol 22:1633-45, 1 Jul 73
Demonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 73
Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al.
Brain Res 57:373-86, 27 Jul 73
Changes in fetal steroid metabolism with age. Villee DB. **Clin Pharmacol Ther** 14:705-13, Jul-Aug 73
The synthesis of corticosterone by the adrenal tissue of the lizard Tiliquarugosa. Bourne AR, et al.
Comp Biochem Physiol [B] 45:275-7, 15 May 73
In vivo uptake of progesterone by the hypothalamus and pituitary of the female ovariectomized rat and its relationship to cytoplasmic progesterone-binding protein. Seiki K, et al. **Endocrinol Jap** 20:111-9, Apr 73
Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice. Nishizuka Y, et al. **Endocrinology** 93:786-92, Oct 73
Conversion of progesterone by rat anterior pituita tissue to 5 alpha-pregnane-3,20-dione and 3 alpha-hydroxy-5 alpha-pregnan-20-one. Robinson J et al. **Endocrinology** 93:430-5, Aug 73
Modification of rabbit adrenal steroid biosynthesis prolonged ACTH administration. Slaga TJ, et **Endocrinology** 93:517-26, Sep 73
Steroid biosynthesis by gonads of 7- and 10-day-o chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73
In vitro corticosteroidogenesis by the adrenal gland the chicken (Gallus domesticus). Nakamura T, et **Gen Comp Endocrinol** 21:99-107, Aug 73
Mechanisms regulating the concentration and t conformation of progesterone receptor(s) in t uterus. Milgrom E, et al.
J Biol Chem 248:6366-74, 25 Sep 73
Effect of antiserum to ovine luteinizing hormone uterine cell division during early pregnancy in mic Munshi SR, et al. **J Endocrinol** 58:123-4, Jul
Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) a platypus (Ornithorhynchus anatinus). Weiss M **J Endocrinol** 58:251-62, Aug 73
Androgen biosynthesis by testicular tissue of t desert rodents, Acomys cahirinus and Gerbill dasyurus. Bedrak E, et al.
J Reprod Fertil 34:93-104, Jul 73
Hormones and contraception in the male and t relative merits of hormonal control and vasectom Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul
Binding of prostaglandins and cytochrome P-450. Tan et al. **Prostaglandins** 4:9-16, Jul 73
A simple competitive protein-binding method f determination of progesterone in the rat plasm Marić Z, et al. **Steroids** 22:113-21, Jul 73
Progesterone binding in the immature mouse and r uterus. Philibert D, et al. **Steroids** 22:89-98, Jul
[Hydroxylation of progesterone and pregnenolone the adrenal mitochondria of swine] Afinogenova S. et al.
Probl Endokrinol (Mosk) 19:66-70, May-Jun 73 (En Abstr.) **(Ru**

PHARMACODYNAMICS

Catecholamines: thyroid function and the sexual cyc in rats. Fernández BE, et al.
Acta Endocrinol (Kbh) 73:273-81, Jun 73
Influence of steroid hormones on the response LH-RH in the eye-ovary-transplant of the rabbi Sandow J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:82, 1973
Immediate response of the plasma prolactin level steroid hormone infusion in male and female cattl Schams D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:38, 1973
Adenohypophysial growth and thyroxine bindin effects of steroid hormones. Schreiber V, et a
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 19
Regulation of hormonally mediated maternal ne structure in the mouse (Mus musculus) as a functio of neonatal hormone manipulation. Lisk RD, et a
Anim Behav 21:296-301, May 73
Hormonal effect on glycoproteins and glycosaminoglycans in rabbit uteri. Endo M, et a
Arch Biochem Biophys 156:397-403, Jun 73
Cortisol-induced inhibition of amino acid transport thymic lymphocytes: kinetic parameters; relation t ATP levels and protein synthesis; and specificit Baran DT, et al.
Biochim Biophys Acta 307:627-39, 25 May 73
The effect of ovarian steroids on the uptake 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue vitro. Endersby CA, et al.
Br J Pharmacol 47:647P-648P, Mar 73
Some effects of the acute and chronic administration sex hormones on brain monoamine concentration Greengrass PM, et al.
Br J Pharmacol 47:660P-661P, Mar 73
The effect of implanted gonadal hormones on feathe pecking and cannibalism in pullets. Hughes B
Br Poult Sci 14:341-8, Jul 73
Effects of neonatally administered sex steroids o 7,12-dimethylbenz(a)anthracene-induced mammar neoplasia in rats. Shellabarger CJ, et al.
Cancer Res 33:1567-9, Jul 73
Decreased taurine excretion in relation to childbirt

lactation and progestin-estrogen therapy. Armstrong MD. **Clin Chim Acta** 46:253-6, 14 Jul 73
Hormonal effects on fetal development: a survey. Jost A. **Clin Pharmacol Ther** 14:714-20, Jul-Aug 73
Pituitary gonadotropins, structure, control and clinical applications. Franchimont P. **Clin Sci** 44:1P-2P passim, Feb 73
Facilitation by progesterone of ovulating hormone release in sodium pentobarbital-blocked proestrous rats. Kobayashi F, et al. **Endocrinol Jap** 20:175-80, Apr 73
Epithioandrostanol(10275-S), an estrogen antagonist. Miyake T, et al. **Endocrinol Jap** 20:157-65, Apr 73
Hormonal factors influencing salt appetite in pregnancy. Covelli MD, et al. **Endocrinology** 93:423-9, Aug 73
An analysis of the negative feedback control of gonadotropin secretion utilizing chronic implantation of ovarian steroids in ovariectomized rhesus monkeys. Karsch FJ, et al. **Endocrinology** 93:478-86, Aug 73
The estrogen-induced advance in the cyclic LH surge in the rat: dependency on ovarian progesterone secretion. Krey LC, et al. **Endocrinology** 93:385-90, Aug 73
LH release following steroid administration in ovariectomized rats. Legan SJ, et al. **Endocrinology** 93:781-5, Oct 73
Role of estrogen and progesterone in facilitating LH release in 4-day cyclic rats. Mann DR, et al. **Endocrinology** 93:694-9, Sep 73
The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73
Estrogen-dependent 24-hour periodicity in pituitary LH release in the female hamster. Norman RL, et al. **Endocrinology** 93:965-70, Oct 73
Effects of cis- and trans-clomiphene in the induction of sexual behavior. Ross JW, et al. **Endocrinology** 93:681-5, Sep 73
Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73
Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73
Effects of progesterone on the ocular hypertensive response to prostaglandin. Chiang TS, et al. **Eur J Pharmacol** 22:304-10, Jun 73
Hypophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al. **Experientia** 29:878-9, 1973
Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al. **FEBS Lett** 33:301-4, 15 Jul 73
Menstrual cycle characteristics and side of ovulation in the Rhesus monkey. Wallach EE, et al. **Fertil Steril** 24:715-21, Sep 73
Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al. **Gen Comp Endocrinol** 21:148-51, Aug 73
Prolonged effects of a single administration of clomiphene citrate on the cervix & vagina in rat during delayed implantation. Sankaran MS, et al. **Indian J Exp Biol** 10:401-4, Nov 72
Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al. **Infect Immun** 8:151-5, Aug 73
Interactions of steroids and serum cholinesterase. Redderson CL. **Int J Clin Pharmacol** 8:51-7, Aug 73
Mechanisms regulating the concentration and the conformation of progesterone receptor(s) in the uterus. Milgrom E, et al. **J Biol Chem** 248:6366-74, 25 Sep 73
A peptide inhibitor of luteinizing hormone-releasing hormone (LH-RH). Coy DH, et al. **J Clin Endocrinol Metab** 37:331-3, Aug 73
Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies. Masui Y. **J Embryol Exp Morphol** 29:105-16, Feb 73
The influence of the oestrogen secreted before oestrus on the timing of end ometrial sensitivity and insensitivity during implantation. Finn CA, et al. **J Endocrinol** 56:619-20, Mar 73
Anomalous effects of progesterone on the maturation and survival of spermatozoa in the epididymis of the golden hamster. Lubicz-Nawrocki CM. **J Endocrinol** 58:199-205, Aug 73
Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. **J Med Chem** 16:827-9, Jul 73
Rapid accumulation of H3-serotonin in brains of rats receiving intraperitoneal H3-tryptophan: effects of 5,6-dihydroxytryptamine or female sex hormones. Hyyppä MT, et al. **J Neural Transm** 34:111-24, 1973
Induction of hepatic enzymes during normal human pregnancy. Davis M, et al. **J Obstet Gynaecol Br Commonw** 80:690-4, Aug 73
Regeneration of the endometrium in rabbits after curettage. II. Pretreatment with progesterone. Schenker JG, et al. **J Reprod Med** 11:49-57, Aug 73
Role of catecholamines in the mediation of peripheral effects of female sex hormones. Barthwal JP, et al. **Jap J Pharmacol** 23:349-54, Jun 73
Effects of adrenergic neurotransmitters on the uterus. Marshall JM. **Muscle Biol** 1:119-46, 1972
Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et al. **Neuroendocrinology** 12:257-71, 1973
Actions of hydrocortisone, desoxycorticosterone acetate and progesterone on 14C-norepinephrine uptake and metabolism by rabbit aorta. Williams PB, et al. **Pharmacology** 9:262-9, 1973
Female receptivity in neonatally castrated males as a function of age and experience. Dunlap JL, et al. **Physiol Behav** 8:21-3, Jan 72
Neonatal gonadal hormones: effect on maternal and sexual behavior in the female rat. Quadagno DM, et al. **Physiol Behav** 11:251-4, Aug 73
Modification of behavioral estrus in the guinea pig following intracranial cycloheximide. Wallen K, et al. **Physiol Behav** 8:221-3, Feb 72
Female sexual behavior in male rats treated prenatally with an anti-androgen. Ward IL. **Physiol Behav** 8:53-6, Jan 72
Sexual and hormonal influences on eating, taste preferences, and body weight of hamsters. Zucker I, et al. **Physiol Behav** 8:101-11, Jan 72
Rates of induction of specific translatable messenger RNAs for ovalbumin and avidin by steroid hormones. Chan L, et al. **Proc Natl Acad Sci USA** 70:1870-4, Jun 73
Female sex hormones: effect on the kinetics of cholesterol metabolism in rabbits. Ho KJ, et al. **Proc Soc Exp Biol Med** 143:810-5, Jul 73
The delay of spontaneous labor by Naproxen in the rat model. Csapo AI, et al. **Prostaglandins** 3:827-37, Jun 73
Ovariectomy induced placental hypertrophy. Csapo AI, et al. **Prostaglandins** 4:189-200, Aug 73
Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72
Effect of exogenous estradiol and progesterone on the uterine tissue levels of prostaglandin F2 (PGF2) in ovariectomized mice. Saksena SK, et al. **Prostaglandins** 3:317-22, Mar 73
Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacological compounds. Seeley RR, et al. **Prostaglandins** 2:33-40, Jul 72
Progesterone-dependent messenger RNA: heterospecific activity in vivo. Segal SJ, et al. **Science** 181:569-70, 10 Aug 73
[Course and control of sex development in female pigs. II. Effect of a steroid induced genital tract development on action of gonadotropic stimulation in infantile female pigs] Ostermann L, et al. **Dtsch Tieraerztl Wochenschr** 80:228-31, 15 May 73 (Eng. Abstr.) **(Ger)**
[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L. **Folia Endocrinol (Roma)** 26:217-28, Jun 73 (Eng. Abstr.) **(Ita)**
[Effect of the sequential use of estriol and progesterone on the excretion of sodium and potassium and their level in kidney tissue] Radev AI. **Probl Endokrinol (Mosk)** 19:91-6, May-Jun 73 (Eng. Abstr.) **(Rus)**
[Hormonal method of inactivating the corpora lutea] Petrushkin IuS. **Veterinariia** 7:103-4, Jul 72 **(Rus)**

PHYSIOLOGY

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73
Changes of progesterone, total oestrogens,

corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73

"Uterine" and "luteal" effects of prostaglandins (PG) in rats and guinea pigs as potential abortifacient mechanisms. Elger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:46, 1973

Corpus luteum function in the rat: a critical period for luteal activation and the control of luteal maintenance. McLean BK, et al.
Endocrinology 93:316-23, Aug 73

Endocrinology of implantation. McLaren A.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 ref.)

The effect of prostaglandin on the electric activity of the pregnant uterus. Paiva CE de, et al.
Prostaglandins 4:177-88, Aug 73

Progesterone-dependent messenger RNA: heterospecific activity in vivo. Segal SJ, et al.
Science 181:569-70, 10 Aug 73

[Prostaglandins and the female genitalia] Sureau C.
Ann Med Interne (Paris) 124:347-9, Apr 73 **(Fre)**

[Endocrinology of normal pregnancy] Lauritzen C.
Med Klin 68:897-905, Jul 73 **(Ger)**

[Linear telangiectasia and hormonal balance] Avrach W. **Harefuah** 84:483-4, 1 May 73 (Eng. Abstr.) **(Heb)**

SECRETION

Effect of alpha-MSH on plasma LH, progesterone and cortisol during the luteal phase of the menstrual cycle. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:41, 1973

Further studies on the luteotropic action of estrogen in rats. Uchida K, et al. **Endocrinol Jap** 20:103-10, Apr 73

Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats. Birmingham MK, et al.
Endocrinology 93:297-310, Aug 73

The estrogen-induced advance in the cyclic LH surge in the rat: dependency on ovarian progesterone secretion. Krey LC, et al.
Endocrinology 93:385-90, Aug 73

The influence of lactation on luteal function in the rhesus monkey. Weiss G, et al.
Endocrinology 93:954-9, Oct 73

Storage of copulatory stimulation in the female rat. Edmonds S, et al. **Physiol Behav** 8:161-4, Feb 72

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

[Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**

[Female hormones and menopause] Mori I, et al.
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref.) **(Jap)**

THERAPEUTIC USE

Topical antipsoriatic agents and epidermal mitosis in man. Fisher LB, et al. **Arch Dermatol** 108:374-7, Sep 73

Effects of hypothyroidism and progesterone on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. **Br J Cancer** 28:161-72, Aug 73

Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats. Shellabarger CJ, et al.
Cancer Res 33:1567-9, Jul 73

Treatment of premenopausal endometrial hyperplasia by a combination of a long-acting estrogen and a cyclic progestogen. Ricciardi I, et al.
Curr Ther Res 15:402-16, Jul 73

Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Lunaas T, et al.
Nord Vet Med 24:177-80, Apr 73

Inhibition of abortion and fetal death produced by endotoxin or prostaglandin F2alpha. Harper MJ, et al.
Prostaglandins 2:295-309, Oct 72

Induction of ovulation with gonadotropins. Katz M, et al. **S Afr Med J** 47:1272-80, 28 Jul 73

[Present problems raised by essential precocious puberty] Gennes JL de, et al.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May 73 **(Fre)**

[Amenorrhea-galactorrhea and thyroid pathology] Matte R, et al.
Union Med Can 101:279-81, Feb 72 (Eng. Abstr.) **(Fre)**

[Short-term therapy of secondary amenorrhea] Brunclik V, et al.
Ther Umsch 30:496-502, Jul 73 (Eng. Abstr.) **(Ger)**

[Linear telangiectasia and hormonal balance] Avrac W. **Harefuah** 84:483-4, 1 May 73 (Eng. Abstr.) **(Het**

[Treatment of Sjögren's syndrome with female se hormones] Ostachowicz M, et al.
Wiad Lek 26:1075-7, 1 Jun 73 (Eng. Abstr.) **(Pol**

[A case of acromegaly with secondary amenorrhea an anemia] Dimov I.
Stud Cercet Endocrinol 24:317-9, 1973 **(Rum**

URINE

[Female hormones and menopause] Mori I, et a
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref **(Jap**

SEX HORMONES

ADMINISTRATION & DOSAGE

The effect of implanted gonadal hormones on feathe pecking and cannibalism in pullets. Hughes B(
Br Poult Sci 14:341-8, Jul 73

ANALYSIS

[Gas chromatography of steroids--methods in laboratory diagnosis] Yakata M, et al.
Jap J Clin Pathol 21:599-604, Jul 73 **(Jap**

ANTAGONISTS & INHIBITORS

Inhibitors of sex hormones: development of experimental models. Frost P, et al.
Adv Biol Skin 12:403-20, 1972 (49 ref.)

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries o hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73

Inhibitors of sex hormones: development of experimental models. Frost P, et al.
Adv Biol Skin 12:403-20, 1972 (49 ref.)

Steroid biosynthesis by gonads of 7- and 10-day-ol chick embryos. Galli FE, et al.
Gen Comp Endocrinol 21:77-83, Aug 73

METABOLISM

Inhibitors of sex hormones: development of experimental models. Frost P, et al.
Adv Biol Skin 12:403-20, 1972 (49 ref.)

PHARMACODYNAMICS

Hormones and contraception in the male and th relative merits of hormonal control and vasectom Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 7

Hormone replacement therapy for menopausal symptoms. Schleyer-Saunders E.
Lancet 2:389, 18 Aug 73

PHYSIOLOGY

Basic drives. Wayner MJ, et al.
Annu Rev Psychol 24:53-80, 1973 (156 ref.)

Copper homeostasis in the mammalian system. Evan GW. **Physiol Rev** 53:535-70, Jul 73 (259 ref.)

[Passage from childhood to adolescence. 3. Hormona aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 7 **(Fre**

THERAPEUTIC USE

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)

[Treatment of osteoporosis] Franchimont P.
Rev Med Liege 28:502-4, 15 Jul 73 **(Fre**

STANOLONE

Dihydrotestosterone receptor in human mammary cancer. Wagner RK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:65, 1973
Metabolism of androst-4-ene-3,17-dione by subcellular fractions of rat adrenal tissue with particular reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al.
Biochem J 132:283-91, Feb 73

ADMINISTRATION & DOSAGE

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73

ANALYSIS

Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. **FEBS Lett** 33:218-20, 1 Jul 73

BIOSYNTHESIS

The 5 beta-metabolites of testosterone: mode and sex-specificity of their formation in the rat liver. Ghraf R, et al. **Acta Endocrinol (Kbh)** 73:577-84, Jul 73
Testosterone metabolism in subcellular fractions of rat prostate. Nozu K, et al.
Acta Endocrinol (Kbh) 73:585-98, Jul 73

BLOOD

Plasma LH, testosterone and DHT in the pig from birth to sexual maturity. Elsaesser F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:148, 1973
Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:170, 1973
The effect of intravenously infused synthetic LRH on LH, testosterone and dihydrotestosterone in the plasma of normal male subjects. Tamm J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:91, 1973
Estrogen-androgen imbalance in hepatic cirrhosis. Studies in 13 male patients. Chopra IJ, et al.
Ann Intern Med 79:198-203, Aug 73
Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. **FEBS Lett** 33:218-20, 1 Jul 73
Binding of 5 -androstane-3,17 -diol to human plasma proteins. Clark AF, et al. **J Endocrinol** 57:298, May 73

METABOLISM

Differences in the age-dependent development and sexual differentiation of soluble and membrane-bound activities of 3alpha- and 3beta-hydroxysteroid-dehydrogenase in rat liver. Hoff HG, et al.
Acta Endocrinol [Suppl] (Kbh) 173:135, 1973
5Alpha-steroid reductase in human fetal brain. Mickan H. **Acta Endocrinol [Suppl] (Kbh)** 173:136, 1973
Selective bindings of 5alpha-dihydrotestosterone to proteins in prostate nuclei of adult castrated rats. Pfeiff B, et al.
Acta Endocrinol [Suppl] (Kbh) 173:70, 1973
Metabolism of 5alpha-dihydrotesterone in the rat prostate. Plasse JC, et al.
Acta Endocrinol [Suppl] (Kbh) 173:133, 1973
In-vitro studies on testosterone and 5alpha-dihydrotestosterone binding in benign prostatic hypertrophy (BPH). Steins P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:69, 1973
The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)
Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)
Androgen dynamics in vitro in the human prostate gland. Effect of cyproterone and cyproterone acetate. Giorgi EP, et al. **Biochem J** 132:465-74, Mar 73
The use of deoxyribonucleic acid-cellulose chromatography and isoelectric focusing for the characterization and partial purification of steroid-receptor complexes. Mainwaring WI, et al.
Biochem J 134:113-27, May 73
A reappraisal of the effects of adenosine 3':5'-cyclic monophosphate on the function and morphology of the rat prostate gland. Mangan FR, et al.
Biochem J 134:129-42, May 73
Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al.
J Biol Chem 248:6154-62, 10 Sep 73
Intracellular receptors for 5alpha-dihydrostestosterone in the epididymis of adult rats. Comparison with the androgenic receptors in the ventral prostate and the androgen binding protein (ABP) in the testicular and epididymal fluid. Hansson V, et al. **Steroids** 22:19-33, Jul 73

PHARMACODYNAMICS

Metabolism and mode of action of androgens in target tissue of male rats. IV. Mode of action of 5 alpha-androstane-3,17-dione, 5 alpha-androstane-3 alpha,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol at a cellular level on seminal vesicles and prostates of rats. Schmidt H, et al.
Acta Endocrinol (Kbh) 73:599-611, Jul 73
Regulation of rat pituitary thymidine kinase activity by androgens. Valotaire Y, et al.
Acta Endocrinol (Kbh) 73:612-24, Jul 73
The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology** 93:581-92, Sep 73
Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73
Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al. **Endocrinology** 93:411-6, Aug 73
Regulation of hydroxylation of 5 alpha-androstane-3 beta, 17 beta-diol in liver microsomes from male and female rats. Berg A, et al.
J Biol Chem 248:6559-67, 25 Sep 73
The effect of metabolites of testosterone on the viability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:193-8, Aug 73
Anomalous effects of progesterone on the maturation and survival of spermatozoa in the epididymis of the golden hamster. Lubicz-Nawrocki CM.
J Endocrinol 58:199-205, Aug 73
Biochemical and genetic evidence for a macromolecular -glucuronidase complex in microsomal membranes. Swank RT, et al.
J Mol Biol 77:371-89, 5 Jul 73
The effects of testosterone, dihydrotestosterone and oestradiol on the comb and oviduct of the female domestic fowl. Zeller FJ.
J Reprod Fertil 34:147-8, Jul 73
[Therapeutic trials of Proviron in frigidity] Häfliger O, et al. **Ther Umsch** 30:533-6, Jul 73 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Therapeutic trials of Proviron in frigidity] Häfliger O, et al. **Ther Umsch** 30:533-6, Jul 73 (Eng. Abstr.) **(Ger)**

STANOZOLOL

PHARMACODYNAMICS

Induction of premature menstruation with anabolic steroids. Bolch OH Jr, et al.
Am J Obstet Gynecol 117:121-5, 1 Sep 73
Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73

TESTOLACTONE

THERAPEUTIC USE

Chemotherapy for carcinoma of the pancreas. Waddell WR. **Surgery** 74:420-9, Sep 73

TESTOSTERONE

Metabolism of androst-4-ene-3,17-dione by subcellular fractions of rat adrenal tissue with particular reference to microsomal C19-steroid 5alpha-reductase. Maynard PV, et al.
Biochem J 132:283-91, Feb 73
In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Van Doorn EJ, et al.
Biochim Biophys Acta 309:254-62, 6 Jun 73
Inhibition of nuclear testosterone 5 alpha-reductase in

rat ventral prostate by estrogens and anti-androgens. Shimazaki J, et al. **Endocrinol Jap** 19:585-8, Dec 72

Microbial transformation of cholesterol into coprostanol. Properties of a 3-oxo- 4-steroid-5 beta-reductase. Björkhem I, et al. **Eur J Biochem** 37:143-7, 1 Aug 73

Sexual differences in hepatic sulphurylation of deoxcorticosterone in rats. Carlstedt-Duke J, et al. **Eur J Biochem** 36:172-7, 2 Jul 73

Specific effect of estrogens on an interaction between the uterine estradiol receptor and DNA. Andre J, et al. **FEBS Lett** 29:135-40, 15 Jan 73

A specific progesterone-binding component of human breast cyst fluid. Pearlman WH, et al. **J Biol Chem** 248:5736-41, 25 Aug 73

Spectrophotometric and conductimetric studies of micellar solubilization. Nonionic surfactants with testosterone and amphetamine. Choulis NH. **Pharmazie** 28:376-8, Jun 73

[Enzyme histochemical studies on metabolism of steroids and steroid conjugates in the juxtamedullary X-zone of the mouse] Kind R, et al. **Acta Histochem (Jena)** 45:331-56, 1973 (Eng. Abstr.) (Ger)

[Epithelial growth in tissue cultures of human prostate adenomas] Orestano F, et al. **Exp Pathol (Jena)** 6:211-3, 1972 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Alterations in the activities of ornithine and histidine decarboxylases provoked by testosterone in mice. Grahn B, et al. **Br J Pharmacol** 48:113-20, May 73

The effect of implanted gonadal hormones on feather pecking and cannibalism in pullets. Hughes BO. **Br Poult Sci** 14:341-8, Jul 73

Response of the rabbit seminiferous epithelium to testosterone administered via polydimethylsiloxane capsules. Desjardins C, et al. **Endocrinology** 93:450-60, Aug 73

Evidence for changes in sensitivity to testosterone negative feedback on gonadotropin release during sexual development in the male rat. Negro-Vilar A, et al. **Endocrinology** 93:729-35, Sep 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al. **Endocrinology** 93:893-902, Oct 73

The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al. **Gen Comp Endocrinol** 21:202-9, Aug 73

5 Alpha-dihydrotestosterone-induced changes in the rat prostate. McGuire L, et al. **Invest Urol** 11:101-5, Sep 73

Hepatic capsular pseudolipoma in the rat. Hemm RD. **J Comp Pathol** 83:83-6, Jan 73

Eimeria tenella infection in testosterone-injected chicks. Visco RJ. **J Parasitol** 59:631-4, Aug 73

Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et al. **Nature [New Biol]** 244:24-6, 4 Jul 73

Neonatal androgen depresses female responsiveness to estrogen. Gerall AA, et al. **Physiol Behav** 8:17-20, Jan 72

Olfactory bulb removal: influences on the mating behavior of male mice. Rowe FA, et al. **Physiol Behav** 8:37-41, Jan 72

Sexual behavior: normal male patterning in androgenized female rats. Sachs BD, et al. **Science** 181:770-2, 24 Aug 73

Regulation of erythropoiesis by androgens. Gardner FH, et al. **Trans Am Clin Climatol Assoc** 84:60-70, 1973

ADVERSE EFFECTS

Generalized bleeding following the treatment of prostatic carcinoma with testosterone and radioactive phosphorus. Ellman L. **J Urol** 110:331-2, Sep 73

ANALYSIS

Fetal androgen and human chorionic gonadotropin excretion in relation to genetic sex. Younglai EV, et al. **Am J Obstet Gynecol** 117:291-2, 15 Sep 73

Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. **FEBS Lett** 33:218-20, 1 Jul 73

Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al. **N Engl J Med** 289:767-70, 11 Oct 73

Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73

[Infrared spectrophotometry in quantitative dru analysis. II. Assay of some steroids] Pawelczyk E, et al. **Acta Pol Pharm** 30:289-95, 1973 (Eng. Abstr.) (Pol

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et a **Arch Invest Med (Mex)** 4:7-20, 1973 (Eng. Abstr (Spa

ANTAGONISTS & INHIBITORS

Inhibitors of sex hormones: development of experimental models. Frost P, et al. **Adv Biol Skin** 12:403-20, 1972 (49 ref.)

On the mechanism of the anti-androgenic effect o medroxyprogesterone acetate. Albin J, et al. **Endocrinology** 93:417-22, Aug 73

Effect of hypophysectomy, castration and androge replacement upon the fertilizing ability of ra epididymal spermatozoa. Dyson AL, et al. **Endocrinology** 93:391-402, Aug 73

A new model for studying the effect of drugs o prostatic growth. 1. Antiandrogens and DNA synthesis. Sufrin G, et al. **Invest Urol** 11:45-54, Jul 7

The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamste epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:185-92, Aug 73

Anomalous effects of progesterone on the maturatio and survival of spermatozoa in the epididymis of th golden hamster. Lubicz-Nawrocki CM. **J Endocrinol** 58:199-205, Aug 73

[Clomiphene and aromatization of androgens int estrogens. Experiments on the pregnant rat] Maro M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (En Abstr.) (Fre

BIOSYNTHESIS

In vitro sterol and steroid synthesis by ovaries o hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al. **Acta Endocrinol (Kbh)** 73:321-34, Jun 73

Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref

Testicular feminization in the mouse: studies of Leydi cell structure and function. Blackburn WR, et a **Biol Reprod** 9:9-23, Aug 73

Steroid biosynthesis in vitro by dysgenetic ovarie induced by neonatal thymectomy in mice. Nishizuk Y, et al. **Endocrinology** 93:786-92, Oct 73

Inhibition of testosterone biosynthesis by medrogestone. Givner ML, et al. **Experientia** 28:1105-6, 15 Sep 72

Effect of luteinizing hormone on 3',5'-cyclic AMP an testosterone production in isolated interstitial tissu of rat testis. Rommerts FF, et al. **FEBS Lett** 33:114-8, 15 Jun 73

Biosynthesis of 11-deoxycorticosteroids by teleos ovaries and discussion of their possible role in oocyt maturation and ovulation. Colombo L, et al. **Gen Comp Endocrinol** 21:168-78, Aug 73

Steroid biosynthesis by gonads of 7- and 10-day-ol chick embryos. Galli FE, et al. **Gen Comp Endocrinol** 21:77-83, Aug 73

The production of reduced C19 steroids by th prepubertal rat testis from 5 -pregnane-3,20-dion Richards G, et al. **J Endocrinol** 58:2-3, Jul 7

De-novo steroid synthesis in the seminiferous tubule o the adult rat testis. Vinson GP, et al. **J Endocrinol** 58:3-4, Jul 73

Hormones and contraception in the male and th relative merits of hormonal control and vasectom Lacy D, et al. **J Reprod Fertil [Suppl]** 18:185-98, Jul 7

Benign masculinizing adrenal adenomas. Lipsett MI **N Engl J Med** 289:802-3, 11 Oct 73

Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73

The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effec of ovine LH on thecal aromatization. YoungLai EV **Steroids Lipids Res** 4:11-6, 1973

[Enzyme defects in steroid hormone biosynthesis] Graef V. **Dtsch Med Wochenschr** 98:1299-304, 29 Jun 73 (52 ref (Ger

BLOOD

Male hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al. **Acta Endocrinol (Kbh)** 73:396-406, Jun 73

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:167, 1973

Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty. Beyer J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:169, 1973

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:113, 1973

Plasma LH, testosterone and DHT in the pig from birth to sexual maturity. Elsaesser F, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:148, 1973

Long-term effect of cyproterone on testosterone levels in male rats. Hasan SH, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:119, 1973

Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay. Hasan SH, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:168, 1973

The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in the male. Kley HK, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:92, 1973

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:116, 1973

Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:170, 1973

The effect of intravenously infused synthetic LRH on LH, testosterone and dihydrotestosterone in the plasma of normal male subjects. Tamm J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:91, 1973

Daily serum follicle-stimulating hormone, luteinizing hormone, and plasma testosterone and androstenedione in hirsute women with polycystic sclerotic ovaries: effects of diethylstilbestrol and norethindrone acetate. Daane TA, et al. **Am J Obstet Gynecol** 117:392-9, 1 Oct 73

Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al. **Am J Obstet Gynecol** 117:194-200, 15 Sep 73

Estrogen-androgen imbalance in hepatic cirrhosis. Studies in 13 male patients. Chopra IJ, et al. **Ann Intern Med** 79:198-203, Aug 73

A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. **Arch Neurol** 29:258-61, Oct 73

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al. **Biomedicine [Express]** 19:77-81, 10 Feb 73

Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. **Clin Genet** 4:130-3, 1973

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al. **Clin Genet** 4:91-7, 1973

On the mechanism of the anti-androgenic effect of medroxyprogesterone acetate. Albin J, et al. **Endocrinology** 93:417-22, Aug 73

Response of the rabbit seminiferous epithelium to testosterone administered via polydimethylsiloxane capsules. Desjardins C, et al. **Endocrinology** 93:450-60, Aug 73

Secretion rate of testicular steroids in the conscious and halothane-anesthetized rat. Free MJ, et al. **Endocrinology** 93:874-9, Oct 73

Serum gonadotropin and testosterone levels during loss and recovery of spermatogenesis in rats. Gomes WR, et al. **Endocrinology** 93:800-9, Oct 73

Simple assay of plasma testosterone using a covalent protein-sepharose complex. Fisch HU, et al. **FEBS Lett** 29:127-31, 15 Jan 73

Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. **FEBS Lett** 33:218-20, 1 Jul 73

Pituitary-gonadal rhythms in the eugonadal adult male. Wieland RG, et al. **Fertil Steril** 24:644-7, Aug 73

A study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results). Alicicco E, et al. **Folia Endocrinol (Roma)** 26:165-74, Jun 73

Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Schreck CB. **Gen Comp Endocrinol** 21:60-8, Aug 73

Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al. **Horm Metab Res** 5:271-4, Jul 73

Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al. **Horm Metab Res** 5:266-70, Jul 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenediol as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives. Weisz J, et al. **J Clin Endocrinol Metab** 37:254-60, Aug 73

Foetal plasma testosterone levels at mid-pregnancy and at term: relationship to foetal sex. Abramovich DR, et al. **J Endocrinol** 56:621-2, Mar 73

Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment. Bedrak E, et al. **J Endocrinol** 58:207-17, Aug 73

Binding of 5 -androstane-3,17 -diol to human plasma proteins. Clark AF, et al. **J Endocrinol** 57:298, May 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol** 58:33-4, Aug 73

A specific radioimmunossay for testosterone in peripheral plasma. Kinouchi T, et al. **J Lab Clin Med** 82:309-16, Aug 73

A re-examination of the antigonadal effect of prolactin in the male fowl, Gallus domesticus. Shani J, et al. **J Reprod Fertil** 34:167-70, Jul 73

Biochemical aspects of spermatozoa and their environment in the male reproductive tract. White IG. **J Reprod Fertil [Suppl]** 18:225-35, Jul 73

Digoxin and abnormal serum hormone levels. Stoffer SS, et al. **JAMA** 225:1643-4, 24 Sep 73

Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al. **Lab Invest** 29:81-9, Jul 73

A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73

Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et al. **Nature [New Biol]** 244:24-6, 4 Jul 73

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al. **Obstet Gynecol** 42:429-40, Sep 73

Prostaglandins E2 and F2 decrease plasma testosterone levels in male rats. Saksena SK, et al. **Prostaglandins** 4:235-42, Aug 73

Effects of immunizing turkeys with ovine luteinizing hormone. YoungLai EV. **Steroids Lipids Res** 4:6-10, 1973

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids** 22:47-61, Jul 73

Failure to demonstrate postnatal testicular dependent expression of the male-specific transplantation antigen in mice. Weissman IL. **Transplantation** 16:122-5, Aug 73

Testosterone in plasma. A physiopathological study. Vermeulen A. **Verh K Vlaam Acad Geneeskd Belg** 35:95-180, 1973 (104 ref.)

[Plasma testosterone levels in men without mature Leydig cells] Stárka L, et al. **Cas Lek Cesk** 112:166-72, Feb 73 (Eng. Abstr.) **(Cze)**

[Radioimmunoassay of plasma testosterone] Louvet JP, et al. **Ann Biol Clin (Paris)** 31:305-11, 1973 (Eng. Abstr.) **(Fre)**

[Present problems raised by essential precocious puberty] Gennes JL de, et al. **Probl Actuels Endocrinol Nutr** 16:101-19, 3 May 73 **(Fre)**

[Extension of the gonad-adrenal gland diagnosis by

simultaneous measurement of testosterone, 5A-dihydrotestosterone and androstenediol in the human plasma] Demisch K, et al. **Verh Dtsch Ges Inn Med** 78:1535-7, 1972 (Ger)

[Radioimmunologic determination of plasma progesterone. Preliminary note] Luisi M, et al. **Folia Endocrinol (Roma)** 25:424-33, Oct 72 (Eng. Abstr.) (Ita)

[Hormonal changes in male homosexuality. Preliminary study] Saba P, et al. **Folia Endocrinol (Roma)** 26:126-33, Apr 73 (Eng. Abstr.) (Ita)

[Effects of thiopental nitrous-oxide anesthesia and surgical stress on concentration of testosterone in human blood] Oyama C, et al. **Clin Endocrinol (Tokyo)** 21:537-9, May 73 (Jap)

[Radioimmunoassay of plasma sex steroid hormones] Makino T. **Folia Endocrinol Jap** 49:629-45, 20 Mar 73 (Eng. Abstr.) (Jap)

[Physiology of the ovary. 3] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 4:51-68, 1973 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et al. **Arch Invest Med (Mex)** 4:7-20, 1973 (Eng. Abstr.) (Spa)

[In vitro immunoreactive insulin response of adult rat intestinal mucosa to different glucose concentrations] Parra-Covarrubias A, et al. **Arch Invest Med (Mex)** 4:1-6, 1973 (Eng. Abstr.) (Spa)

METABOLISM

The 5 beta-metabolites of testosterone: mode and sex-specificity of their formation in the rat liver. Ghraf R, et al. **Acta Endocrinol (Kbh)** 73:577-84, Jul 73

Testosterone metabolism in subcellular fractions of rat prostate. Nozu K, et al. **Acta Endocrinol (Kbh)** 73:585-98, Jul 73

Comparative studies on the enzymatic cleavage of steroid esters in different tissues of the rat and in adipose human tissue. Bellmann O, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:138, 1973

Testosterone metabolism in slices and subcellular fractions of human liver. Engelhardt D, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:132, 1973

Retention of androgens: a sex characteristic of rat liver. Ghraf R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:134, 1973

Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Lisboa BP, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:139, 1973

Selective bindings of 5alpha-dihydrotestosterone to proteins in prostate nuclei of adult castrated rats. Pfeiff B, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:70, 1973

An easy method for isolation and purification of sex steroid binding protein (SSBP) from human plasma. Rager K, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:64, 1973

Enzymes of androgen metabolism in human leucocytes. Raith L, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:137, 1973

In-vitro studies on testosterone and 5alpha-dihydrotestosterone binding in benign prostatic hypertrophy (BPH). Steins P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:69, 1973

The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)

Biotransformation of steroids by the skin. Berliner DL. **Adv Biol Skin** 12:357-65, 1972 (36 ref.)

Inhibitors of sex hormones: development of experimental models. Frost P, et al. **Adv Biol Skin** 12:403-20, 1972 (49 ref.)

Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)

Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome. Stahl NL, et al. **Am J Obstet Gynecol** 117:194-200, 15 Sep 73

Androgen dynamics in vitro in the human prostate gland. Effect of cyproterone and cyproterone acetate. Giorgi EP, et al. **Biochem J** 132:465-74, Mar 73

The use of deoxyribonucleic acid-cellulose chromatography and isoelectric focusing for the characterization and partial purification of steroid-receptor complexes. Mainwaring WI, et al **Biochem J** 134:113-27, May 73

Inhibition of 5 -reductase activity of rat prostate b estradiol derivatives. Bonne C, et al. **Biochimie** 55:227-9, 1973

Determination of in vitro hormone dependence o human breast cancer. Flax H, et al. **Br J Cancer** 28:76, Jul 73

Androgen metabolism in human neoplastic and norma breast tissue. Miller WR, et al. **Br J Cancer** 28:77, Jul 7

The metabolism and binding of testosterone in androgen-dependent and autonomous transplantabl mouse mammary tumors. Bruchovsky N, et al **Cancer Res** 33:1689-95, Jul 73

In vitro metabolism of testosterone sulfate an testosterone tetrahydropyranyl ether in male ra liver. Matsu M, et al. **Chem Pharm Bull (Tokyo)** 21:558-64, Mar 73

On the mechanism of the anti-androgenic effect o medroxyprogesterone acetate. Albin J, et al. **Endocrinology** 93:417-22, Aug 73

Steroid metabolism in testis tissue. Concentrations o testosterone, pregnenolone and 5 -androst-16-en-3 -o in normal and cryptorchid rat testis, and in isolate interstitial and tubular tissue. Ruokonen A, et a **FEBS Lett** 31:321-3, 1 May 73

Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salm gairdneri). Schreck CB. **Gen Comp Endocrinol** 21:60-8, Aug 73

5 Alpha-dihydrotestosterone-induced changes in th rat prostate. McGuire L, et al. **Invest Urol** 11:101-5, Sep 73

Effects of castration, androgens, and estrogens o steroid levels in the dog prostate. Varkarakis MJ, et a **Invest Urol** 11:106-13, Sep 73

The production, origin and role of dehydroepiandrosterone and delta 5-androstenedi as androgen prehormones in hirsute women. Kirschner MA, et al. **J Clin Endocrinol Metab** 37:183-9, Aug 73

17-Oxidation of testosterone in man: absence of a se difference. Zumoff B, et al. **J Clin Endocrinol Metab** 37:293-6, Aug 73

Metabolism of 3-beta-hydroxy-5-ene steroids by teste of rats acclimatized to a hot environment. Bedrak E, e al. **J Endocrinol** 58:207-17, Aug 73

Studies with stilboestrol analogues in relation t prostatic function. Danutra V, et al. **J Endocrinol** 58:28-9, Jul 73

Hirsutism: a review of the genetic and experimenta aspects. Muller SA. **J Invest Dermatol** 60:457-74, Jun 73 (150 ref.

Uptake of androgen analogs by prostate tissue. Kasuy Y, et al. **J Med Chem** 16:832-6, Jul 73

Androgen biosynthesis by testicular tissue of th desert rodents, Acomys cahirinus and Gerbillu dasyurus. Bedrak E, et al. **J Reprod Fertil** 34:93-104, Jul 73

Androgen dependence of breast cancers. **Lancet** 2:203-4, Jul 73

Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et a **Nature [New Biol]** 244:24-6, 4 Jul 73

Modification of expression of the testicular feminization (Tfm) gene of the mouse by a "controlling element" gene. Ono S, et al. **Nature [New Biol]** 245:92-3, 19 Sep 73

Methods for brain autoradiography. Meyer CC, et a **Physiol Behav** 11:265-7, Aug 73

Insecticide inhibition of 5alpha-dihydrotestosteron binding in the rat ventral prostate. Wakeling AE, et a **Science** 181:659-61, 17 Aug 73

Testosterone metabolism in dog lung in vitro. Hartia J, et al. **Steroids Lipids Res** 4:17-23, 1973

Effects of immunizing turkeys with ovine luteinizin hormone. YoungLai EV. **Steroids Lipids Res** 4:6-10, 1973

The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effe of ovine LH on thecal aromatization. YoungLai E **Steroids Lipids Res** 4:11-6, 1973

Intracellular receptors for 5alpha-dihydrostestosterone in the epididymis adult rats. Comparison with the androgenic receptor in the ventral prostate and the androgen bindin protein (ABP) in the testicular and epididymal fluid Hansson V, et al. **Steroids** 22:19-33, Jul 73

Regulation of erythropoiesis by androgens. Gardn FH, et al. **Trans Am Clin Climatol Assoc** 84:60-70, 19

Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)

Aromatizing properties of perfused human placenta in vitro depending on different experimental conditions. I. Degree of aromatization in placenta samples from natural deliveries and cesarean sections] Pajszczyk-Kleszkiewicz T.
Ginekol Pol 43:405-20, Apr 72 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Regulation of rat pituitary thymidine kinase activity by androgens. Valotaire Y, et al.
Acta Endocrinol (Kbh) 73:612-24, Jul 73

Early effects of testosterone on phospholipid metabolism in the seminal vesicles of immature rats. Karger T, et al.
Acta Endocrinol [Suppl] (Kbh) 173:115, 1973

Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Lisboa BP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:139, 1973

Alpha-steroid reductase in human fetal brain. Mickan H.
Acta Endocrinol [Suppl] (Kbh) 173:136, 1973

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973

Effect on serum lipids of dietary sucrose and fructose. Macdonald I.
Acta Med Scand [Suppl] 542:215-9, 1972 (39 ref.)

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al.
Adv Biol Skin 12:381-401, 1972 (26 ref.)

Influence of androgens on contractile properties of levator ani muscle of the rat. Larson CH.
Am J Physiol 225:328-34, Aug 73

Regulation of hormonally mediated maternal nest structure in the mouse (Mus musculus) as a function of neonatal hormone manipulation. Lisk RD, et al.
Anim Behav 21:296-301, May 73

Effect of castration and androgen supplementation on sialic acid levels in rat submandibular gland. Zebrowski EJ.
Arch Oral Biol 18:567-70, Apr 73

Histone acetylation and hormone action. Early effects of oestradiol-17beta on histone acetylation in rat uterus. Libby PR.
Biochem J 130:663-9, Dec 72

Reappraisal of the effects of adenosine 3':5'-cyclic monophosphate on the function and morphology of the rat prostate gland. Mangan FR, et al.
Biochem J 134:129-42, May 73

Adrenal microsomal C19-steroid 5alpha-reductase activity in the Snell transplantable rat adrenocortical tumour 494 and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al.
Biochem J 132:293-300, Feb 73

Phosphorylation of high-molecular-weight membrane protein species in Chinese-hamster ovary cells in culture: effect of 6-N,2'-O-dibutyryladenosine 3':5'-cyclic monophosphate plus testosterone. Rieber M, et al.
Biochem J 132:641-4, Mar 73

Rat ventral prostate chromatin. Effect of androgens on its chemical composition, physical properties, and template activity. Couch RM, et al.
Biochemistry 12:3114-21, 31 Jul 73

Effect of androgenic steroids on erythropoiesis. Jepson JH, et al.
Biomedicine [Express] 19:83-6, 20 Mar 73

Alterations in the activities of ornithine and histidine decarboxylases provoked by testosterone in mice. Hahn B, et al.
Br J Pharmacol 48:113-20, May 73

The effect of implanted gonadal hormones on feather pecking and cannibalism in pullets. Hughes BO.
Br Poult Sci 14:341-8, Jul 73

Immunocompetent cells in the chicken. II. Synergism between thymus cells and either bursa or bone marrow cells in the humoral immune response to sheep erythrocytes. McArthur WP, et al.
Cell Immunol 8:103-11, Jul 73

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al.
Clin Genet 4:91-7, 1973

Effects of drugs and environmental chemicals on steroid metabolism. Conney AH, et al.
Clin Pharmacol Ther 14:727-41, Jul-Aug 73

The development of cannibalism in male Rockland-Swiss mice and the influence of olfactory bulb removal. Gandelman R.
Dev Psychobiol 6:159-64, Mar 73

Effect of sex hormones on the activity of protein kinases in rat ventral prostate and uterus. Ichii S, et al.
Endocrinol Jap 20:33-7, Feb 73

Epithioandrostanol(10275-S), an estrogen antagonist. Miyake T, et al.
Endocrinol Jap 20:157-65, Apr 73

Response of the rabbit seminiferous epithelium to testosterone administered via polydimethylsiloxane capsules. Desjardins C, et al.
Endocrinology 93:450-60, Aug 73

Effect of hypophysectomy, castration and androgen replacement upon the fertilizing ability of rat epididymal spermatozoa. Dyson AL, et al.
Endocrinology 93:391-402, Aug 73

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al.
Endocrinology 93:581-92, Sep 73

Evidence for changes in sensitivity to testosterone negative feedback on gonadotropin release during sexual development in the male rat. Negro-Vilar A, et al.
Endocrinology 93:729-35, Sep 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73

Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Watanabe H, et al.
Endocrinology 93:411-6, Aug 73

The scrotum as target organ for testosterone: hormonal control of amino acid distribution. Wilson MJ, et al.
Endocrinology 93:743-7, Sep 73

Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats. Scacchi P, et al.
Experientia 29:877-8, 1973

The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Lofts B, et al.
Gen Comp Endocrinol 21:202-9, Aug 73

Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Palka YS, et al.
Gen Comp Endocrinol 21:148-51, Aug 73

Effects of testosterone oenanthate on plasma concentrations of thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism. Kley HK, et al.
Horm Metab Res 5:271-4, Jul 73

Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al.
Horm Metab Res 5:266-70, Jul 73

Further studies on the influence of steroids on viral infection in mice. Giron DJ, et al.
Infect Immun 8:151-5, Aug 73

5 Alpha-dihydrotestosterone-induced changes in the rat prostate. McGuire L, et al.
Invest Urol 11:101-5, Sep 73

A new model for studying the effect of drugs on prostatic growth. 1. Antiandrogens and DNA synthesis. Sufrin G, et al.
Invest Urol 11:45-54, Jul 73

Effects of castration, androgens, and estrogens on steroid levels in the dog prostate. Varkarakis MJ, et al.
Invest Urol 11:106-13, Sep 73

Regulation of hydroxylation of 5 alpha-androstane-3 beta, 17 beta-diol in liver microsomes from male and female rats. Berg A, et al.
J Biol Chem 248:6559-67, 25 Sep 73

Androgen-induced social dominance in infant female rhesus monkeys. Joslyn WD.
J Child Psychol Psychiatry 14:137-45, Jun 73

Intermale fighting affected by home-cage odors of male and female mice. Mugford RA.
J Comp Physiol Psychol 84:289-95, Aug 73

Plasma calcitonin and gonadal hormones in Japanese quail. Dacke CG, et al.
J Endocrinol 58:13-4, Jul 73

The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM.
J Endocrinol 58:185-92, Aug 73

The effect of metabolites of testosterone on the viability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM.
J Endocrinol 58:193-8, Aug 73

The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the

viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. **J Endocrinol** 58:177-84, Aug 73

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol** 58:33-4, Aug 73

Rat adrenal 5alpha-reductase activity and the effect of oestradiol, testosterone propionate and adrenocorticotrophin in intact and gonadectomized rats. Maynard PV, et al. **J Endocrinol** 58:7-8, Jul 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Eimeria tenella infection in testosterone-injected chicks. Visco RJ. **J Parasitol** 59:631-4, Aug 73

Current concepts of the action of androgenic steroids on erythropoiesis. Jepson JH, et al. **J Pediatr** 83:703-8, Oct 73 (49 ref.)

"Trophic" influence on the sympathetic nerves of the vas deferens and seminal vesicle of the guinea pig. Wakade AR, et al. **J Pharmacol Exp Ther** 186:528-36, Sep 73

Hormonal antagonism to the antispermatogenic effect of ethylene-dimethanesulphonate in rats. Jackson H, et al. **J Reprod Fertil** 34:133-5, Jul 73

The effects of testosterone, dihydrotestosterone and oestradiol on the comb and oviduct of the female domestic fowl. Zeller FJ. **J Reprod Fertil** 34:147-8, Jul 73

Inhibitors of implantation. Emmens CW. **J Reprod Fertil [Suppl]** 18:177-84, Jul 73

Control of epididymal function. Prasad MR, et al. **J Reprod Fertil [Suppl]** 18:215-22, Jul 73 (18 ref.)

Studies in depression. II. Treatment of the depressed, frigid woman. Bailey HR. **Med J Aust** 1:834-7, 28 Apr 73

Cyclic AMP-amplified replication of RNA tumour virus-like particles in Chinese hamster ovary cells. Thion C, et al. **Nature [New Biol]** 244:227-31, 22 Aug 73

Monoamine oxidase variation during sexual differentiation. Gaziri LC, et al. **Neuroendocrinology** 12:249-56, 1973

Neural localization of estrogen-sensitive sites for inhibition of ovulation in the golden hamster Mesocricetus auratus. Lisk RD, et al. **Neuroendocrinology** 12:153-60, 1973

Neonatal androgen effects on open-field activity and sexual behavior in the female rat: the modifying influence of ovarian secretions during development. Blizard D, et al. **Physiol Behav** 11:65-9, Jul 73

Neonatal androgen depresscs female responsiveness to estrogen. Gerall AA, et al. **Physiol Behav** 8:17-20, Jan 72

The effect of urine on the investigatory behaviour of male albino mice. Jones RB, et al. **Physiol Behav** 11:35-8, Jul 73

Neonatal castration and intermale aggression in mice. Peters PJ, et al. **Physiol Behav** 8:265-8, Feb 72

Neonatal gonadal hormones: effect on maternal and sexual behavior in the female rat. Quadagno DM, et al. **Physiol Behav** 11:251-4, Aug 73

Olfactory bulb removal: influences on the mating behavior of male mice. Rowe FA, et al. **Physiol Behav** 8:37-41, Jan 72

Sexual and hormonal influences on eating, taste preferences, and body weight of hamsters. Zucker I, et al. **Physiol Behav** 8:101-11, Jan 72

The stimulatory action of the prostaglandins on the production of oestrogens by the human placenta perfused in vitro. Alsat E, et al. **Prostaglandins** 3:145-53, Feb 73

Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacological compounds. Seeley RR, et al. **Prostaglandins** 2:33-40, Jul 72

Sexual behavior: normal male patterning in androgenized female rats. Sachs BD, et al. **Science** 181:770-2, 24 Aug 73

Recombinant inbred lines: value in the genetic analysis of biochemical variants. Swank RT, et al. **Science** 181:1249-52, 28 Sep 73

14-Dehydro-19-nortestosterone and its 7 -methyl derivative. Segaloff A, et al. **Steroids** 22:99-105, Jul 73

Ultrastructural observations of gonadotrophin release in rats treated neonatally with testosterone. Shiino M, et al. **Tex Rep Biol Med** 31:215-28, Summer 73

Regulation of erythropoiesis by androgens. Gardner FH, et al. **Trans Am Clin Climatol Assoc** 84:60-70, 1973

Testosterone regulation of pigmentation in scrotal epidermis of the rat. Wilson MJ, et al. **Z Zellforsch Mikrosk Anat** 140:451-8, 16 Jul 73

[Testing tissues of slaughtered calves for the presenc of exogenous oestrogens] Huis in 't Veld LG, et a **Tijdschr Diergeneeskd** 98:749-57, 15 Aug 73 (En Abstr.) (Dut

[Clomiphene and aromatization of androgens int estrogens. Experiments on the pregnant rat] Maro M, et al. **Ann Endocrinol (Paris)** 34:25-30, Jan-Feb 73 (En Abstr.) (Fre

[Action of testosterone on the genital ducts of reptil embryos] Raynaud A, et al. **C R Acad Sci [D] (Paris)** 276:3195-8, 13 Jun 73 (Fre

[Action of androgens on the incorporation of cytidin in genital tract organs of male mice. I. Effect c castration and androgen implantation in the castrates] Durliat M, et al. **C R Soc Biol (Paris)** 166:1578-85, 1972 (Fre

[Endocrinological and clinical findings following th administration of estriol in small animals] Oettel M, al. **Arch Exp Veterinaermed** 26:1053-60, Dec 72 (En Abstr.) (Ger

[On the cytochemistry of lysosomes in the rat kidne under normal and experimental conditions] Zeller **Histochemie** 35:235-62, 30 May 73 (Eng. Abstr.) (Ger

[Androgens in treatment of acquired bone marro aplasia] Jędrzejczak W. **Wiad Lek** 26:535-9, 15 Mar 73 (Eng. Abstr.) (Po

[Effect of testosterone propionate on carbohydrat metabolism, histophysiology of the pancreas and o pancreatic zinc level] Shevchuk IA, et al. **Probl Endokrinol (Mosk)** 19:87-91, May-Jun 73 (En Abstr.) (Rus

PHYSIOLOGY

The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamste epididymal spermatozoa. Lubicz-Nawrocki CM. **J Endocrinol** 58:185-92, Aug 73

[Androgen insensitivity syndrome] Boczkowski **Pol Tyg Lek** 28:1082-5, 9 Jul 73 (16 ref.) (Po

SECRETION

A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, al. **Lancet** 2:643-4, 22 Sep 73

Benign masculinizing adrenal adenomas. Lipsett MI **N Engl J Med** 289:802-3, 11 Oct 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al. **N Engl J Med** 289:767-70, 11 Oct 73

Testosterone concentrating mechanism in the reproductive organs of the male rat. Free MJ, et a **Nature [New Biol]** 244:24-6, 4 Jul 73

THERAPEUTIC USE

Pituitary and gonadal function in hypogonadotroph hypogonadism. Espiner EA, et al. **Acta Endocrinol (Kbh)** 73:209-21, Jun 73

Topical antipsoriatic agents and epidermal mitosis man. Fisher LB, et al. **Arch Dermatol** 108:374-7, Sep

The effect of implanted gonadal hormones on feathe pecking and cannibalism in pullets. Hughes B **Br Poult Sci** 14:341-8, Jul 73

Effects of neonatally administered sex steroids o 7,12-dimethylbenz(a)anthracene-induced mammar neoplasia in rats. Shellabarger CJ, et al. **Cancer Res** 33:1567-9, Jul 73

9 Alpha-fluoro-11 beta-hydroxybenzo (d,e)testosterone 17-acetate. A modified steroi highly active on DMBA-induced mammary tumors rats. Briziarelli G, et al. **Experientia** 29:818-9, 15 May

Epithioandrostanol on mammary tumors of rats an mice. Takatani O, et al. **Gann** 64:305-7, Jun

Comparative study on the erythropoietic effects androgens and their mode of action. Gorshein D, et a **J Appl Physiol** 35:276-8, Sep 73

Eimeria tenella infection in testosterone-injecte chicks. Visco RJ. **J Parasitol** 59:631-4, Aug

Generalized bleeding following the treatment prostatic carcinoma with testosterone and radioacti phosphorus. Eliman L. **J Urol** 110:331-2, Sep

Crosby WH:What to treat in Felty's syndrome **JAMA** 225:1114-5, 27 Aug 73

Studies in depression. II. Treatment of the depresse frigid woman. Bailey HR. **Med J Aust** 1:834-7, 28 Apr

Estrogen in treatment of the male climacteric. Rosenbaum MG. **Rocky Mt Med J** 70:37-8, Sep 73

Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P, et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 **(Fre)**

Theapy of panmyelopathy] Lutz H, et al.
Med Klin 68:761-4, 8 Jun 73 (19 ref.) **(Ger)**

Combined treatment of breast cancer] Nährig G.
Radiobiol Radiother (Berl) 14:100-10, 1973 (Eng. Abstr.) **(Ger)**

Influence of testosterone and other anabolic steroids on the recurrence rate of surgically treated anterior pituitary adenomas] Roos D, et al.
Verh Dtsch Ges Inn Med 78:172-5, 1972 **(Ger)**

Therapy and diagnosis (cytohistomorphology) of panmyelopathies] Schwenke H, et al.
Z Gesamte Inn Med 28:Suppl 9:130-4, 1 May 73 (Eng. Abstr.) **(Ger)**

URINE

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:167, 1973

Comparative determination of urinary testosterone glucuronide either by gas phase chromatography or by competitive protein binding analysis. Littmann KP, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:111, 1973

Study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results). Alicicco E, et al.
Folia Endocrinol (Roma) 26:165-74, Jun 73

11-Oxidation of testosterone in man: absence of a sex difference. Zumoff B, et al.
J Clin Endocrinol Metab 37:293-6, Aug 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73

Testicular feminization with ambosexualization at puberty and 46 XY-47 XXY mosaicism] Milcou SM, et al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Eng. Abstr.) **(Fre)**

IV. Related Topics

CASTRATION

Effect of castration and androgen supplementation on sialic acid levels in rat submandibular gland. Zebrowski EJ. **Arch Oral Biol** 18:567-70, Apr 73

Comparative effects of castration and antiandrogen treatment on the aortas of hypertensive and normotensive male rats. Wolinsky H. **Circ Res** 33:183-9, Aug 73

Increased incorporation of 3H-lysine in specific hypothalamic nuclei following castration in the male rat. Litteria M. **Exp Neurol** 40:309-15, Aug 73

Effects of castration, androgens, and estrogens on steroid levels in the dog prostate. Varkarakis MJ, et al. **Invest Urol** 11:106-13, Sep 73

Heterozygosity and retention of ejaculatory reflex after castration in male mice. McGill TE, et al. **J Comp Physiol Psychol** 84:423-9, Aug 73

The effect of caloric restriction on testicular hypertrophy following hemicastration in the rat. Stewart SF, et al. **J Reprod Fertil** 34:159-63, Jul 73

Evidence for participation of a catecholaminergic mechanism in the post-castration rise in plasma gonadotropins. Ojeda SR, et al. **Neuroendocrinology** 12:295-315, 1973

Female receptivity in neonatally castrated males as a function of age and experience. Dunlap JL, et al. **Physiol Behav** 8:21-3, Jan 72

Neonatal castration and intermale aggression in mice. Peters PJ, et al. **Physiol Behav** 8:265-8, Feb 72

Sex differences in body weight following gonadectomy and goldthioglucose injections in mice. Wright P, et al. **Physiol Behav** 11:155-9, Aug 73

[Luteogenesis in ovaro-deferential graft in castrated male rats] Anthonioz P. **C R Soc Biol (Paris)** 166:1804-7, 1972 **(Fre)**

[Effect of castration on blood levels of FSH and LH in rabbits] Dufy-Barbe L, et al. **C R Soc Biol (Paris)** 166:1649-54, 1972 **(Fre)**

[Action of androgens on the incorporation of cytidine in genital tract organs of male mice. I. Effect of castration and androgen implantation in the castrates] Durliat M, et al. **C R Soc Biol (Paris)** 166:1578-85, 1972 **(Fre)**

[Economic aspects of castration and fattening of young boars] Otto E. **Arch Exp Veterinaermed** 26:975-9, Dec 72 (Eng. Abstr.) **(Ger)**

[Growth of transplantable chrysoidinc-induced hepatoma in castrated mice] Szacki J, et al. **Patol Pol** 24:319-24, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

VETERINARY

Effects of castration on fighting, roaming, and urine spraying in adult male cats. Hart BL, et al. **J Am Vet Med Assoc** 163:290-2, 1 Aug 73

[Pathomorphological evaluation of methods of partial castration] Khakimova FM. **Veterinariia** 49:102-4, May 73 **(Rus)**

[Quality of the meat of bulls castrated by different methods] Pegov VI. **Veterinariia** 49:111-2, May 73 **(Rus)**

ESTRUS

Catecholamines: thyroid function and the sexual cycle in rats. Fernández BE, et al. **Acta Endocrinol (Kbh)** 73:273-81, Jun 73

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73

Cycles of mating behaviour, oestrogen and progesterone in the thick-tailed bushbaby (Galago crassicaudatus crassicaudatus) under laboratory conditions. Eaton GG, et al. **Anim Behav** 21:309-15, May 73

Sex differences in the hypothalamic regulation of food hoarding: hormones versus calories. Herberg LJ, et a **Anim Behav** 20:186-91, Feb 72

Rat uterine contractility and the activities of uterin adenyl cyclase and phosphodiesterase during th estrus cycle. Sim MK, et al. **Biochem Pharmacol** 22:1417-22, 15 Jun 73

The reduction of triphenyltetrazolium chloride by th mouse uterus during the oestrus cycle. Marchlewska-Koj A. **Bull Acad Pol Sci** [Biol] 21:375-81, 1973

Changes in FSH, LH and prolactin secretion durin estrous cycle in rats. Taya K, et al. **Endocrinol Jap** 20:199-205, Apr 73

Synthesis and release of prolactin in vitro from th anterior pituitary of mouse during estrous cycl Yanai R, et al. **Endocrinol Jap** 20:73-5, Feb 7

The quantitative relationship between electrochemic preoptic stimulation and LH release in proestrou versus late-diestrous rats. Everett JW, et al. **Endocrinology** 93:947-53, Oct 73

Variations in the release of LH in response t electrochemical stimulation of preoptic area and c medial basal hypothalamus during the estrous cycle c the rat. Kalra SP, et al. **Endocrinology** 93:665-9, Sep 7

Lordosis reflex intensity in rats in relation to th estrous cycle, ovariectomy, estrogen administratio and mating behavior. Komisaruk BR, et al. **Endocrinology** 93:548-57, Sep 73

Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaire growth, luteotropic stimulation and advanced ovulation. Krey LC, et al. **Endocrinology** 93:377-84, Aug 73

A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement FSH in the ovine estrous cycle, and in several othe species including man. Salamonsen LA, et al. **Endocrinology** 93:610-8, Sep 73

Circulating levels of plasma gonadotropins in 4- an 5-day cycling rats. Smith ER, et al. **Endocrinology** 93:756-8, Sep 73

Effects of various mating stimuli on the LH surge an ovulation time following synchronization of estrus i the bovine. Randel RD, et al. **J Anim Sci** 37:128-30, Jul 73

Serum levels of luteinizing hormone, follicle-stimulating hormone and progesterone throughout the mentrual cycle of rhesus monkey Niswender GD, et al. **J Clin Endocrinol Metab** 37:326-8, Aug 73

Homovanillic acid levels in rat striatum during th oestrous cycle. Jori A, et al. **J Endocrinol** 58:341-2, Aug 73

A quantitative study of genetic differences in th incidence of oestrus, ovulation and plasma luteinizir hormone concentration in the sheep. Land RB, et a **J Endocrinol** 58:305-17, Aug 73

Peripheral plasma progesterone concentrations sheep during the oestrous cycle. McNatty KP, et a **J Endocrinol** 58:219-25, Aug 73

Progesterone levels in the Sooty mangabey (Cercocebus atys) during the menstrual cycle pregnancy and parturition. Stabenfeldt GH, et a **J Med Primatol** 2:1-10, 1973

Gonadotrophins in the ovine oestrous cycle. Goding JI et al. **J Reprod Fertil [Suppl]** 18:31-7, Jul 7

Prostaglandin F and progesterone concentrations the utero-ovarian venous plasma of the ewe during th oestrous cycle and early pregnancy. Thorburn GD, al. **J Reprod Fertil [Suppl]** 18:151-8, Jul 73

Diurnal changes of hypothalamic content of corticotropin-releasing activity in female rats various stages of the estrous cycle. Hiroshige T, et a **Neuroendocrinology** 12:316-9, 1973

Urinary antidiuretic hormone excretion during th menstrual cycle and pregnancy in the monkey. Mill M, et al. **Neuroendocrinology** 12:174-8, 1973

The anoestrous syndrome in New Zealand dairy cattl 1. A preliminary investigation. Fielden ED, et a **NZ Vet J** 21:77-81, May 73

Prostaglandin F concentration in the peripheral blood of the ewe during the estrous cycle. Coudert SP, et al. **Prostaglandins** 2:501-9, Dec 72

The counter-current transfer of prostaglandin in the ewe. Lamond DR, et al. **Prostaglandins** 3:691-702, May 73

Uterine and peripheral plasma F-prostaglandins correlated with peripheral progesterone in cyclic rats. Saksena SK, et al. **Prostaglandins** 4:243-9, Aug 73

Diurnal variations in ovarian steroids and luteinizing hormone in cows at oestrus. Katongole CB, et al. **Steroids Lipids Res** 4:1-5, 1973

Oestrous cycles in Ayrshire cows before and after insemination. Boyd H. **Vet Rec** 92:427-8, 21 Apr 73

Plasma concentrations of 17 alpha-hydroxyprogesterone during the cow's cycle] Thibier M, et al. **C R Acad Sci [D] (Paris)** 276:3049-52, 4 Jun 73 **(Fre)**

Blood pattern in white rats in the course of sexual cycle] Gloskowska-Moraczewska Z, et al. **Acta Haematol Pol** 4:117-21, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

Situational conditioned reflexes in dogs in heat] Burakova NS. **Zh Vyssh Nerv Deiat** 22:949-54, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of prostaglandins on oviduct motility in estrous rabbits. Spilman CH, et al. **Biol Reprod** 9:36-45, Aug 73

Changes in the oestrus cycle of white mice subjected to accumulation of trypan blue in the body. Paulo E. **Folia Biol (Krakow)** 20:263-70, 1972

Synchronization of oestrus in cattle using a prostaglandin F2alpha analogue (ICI 79939). Tervit HR, et al. **J Reprod Fertil** 34:179-81, Jul 73

Modification of behavioral estrus in the guinea pig following intracranial cycloheximide. Wallen K, et al. **Physiol Behav** 8:221-3, Feb 72

Effect of prostaglandin F2alpha on length of diestrus in mares. Douglas RH, et al. **Prostaglandins** 2:265-8, Oct 72

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73

Studies of prostaglandin F2 in the cow. Lamond DR, et al. **Prostaglandins** 4:269-84, Aug 73

Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73

Indomethacin lengthens the oestrous cycle of the guinea-pig when given orally with oestrogen or when implanted within the uterine lumen. Marley PB. **Prostaglandins** 4:251-61, Aug 73

Prostaglandin receptors in the hamster uterus during the estrous cycle. Wakeling AE, et al. **Prostaglandins** 4:1-8, Jul 73

Studies of the influence of the non-specific pharmacodynamic action of hydroxyzine on the sex function equilibration mechanism] Simionescu S, et al. **Rev Roum Physiol** 10:289-98, 1973 **(Fre)**

Estrus synchronization in heifers] Busch W, et al. **Arch Exp Veterinaermed** 26:989-97, Dec 72 (Eng. Abstr.) **(Ger)**

Experimental studies on estrus synchronization in sheep] Nöldner H, et al. **Arch Exp Veterinaermed** 26:1019-29, Dec 72 (Eng. Abstr.) **(Ger)**

Estrus induction using gonadotropins in sheep] Achse KH. **Arch Exp Veterinaermed** 26:1013-8, Dec 72 (Eng. Abstr.) **(Ger)**

Estrus synchronisation in gilts with SYNCHRON-Z] Stahl U, et al. **Arch Exp Veterinaermed** 26:963-8, Dec 72 (Eng. Abstr.) **(Ger)**

Effect of tetramethylthiuram disulfide on the estrous cycle and the young-bearing function of animals exposed to its inhalation] Davydova TB. **Gig Sanit** 38:108-10, Apr 73 **(Rus)**

OVULATION

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 73

Relationship between the serum thyrotropin level and the responsiveness to gonadotropin therapy in anovulatory women. Seki M, et al. **Acta Obstet Gynaecol Jap** 19:94-6, Apr 72

Combined therapy with clomid and epimestrol. Seki M, et al. **Acta Obstet Gynaecol Jap** 19:125-30, Apr 72

Constancy of interval between luteinizing hormone release and ovulation in the ewe. Cumming IA, et al. **Biol Reprod** 9:24-9, Aug 73

Plasma progesterone concentration in the hen in relation to the ovulatory cycle. Haynes NB, et al. **Br Poult Sci** 14:349-57, Jul 73

Acute effects of altered photoperiods on the onset of ovulation in gonadotropin-treated immature rats. McCormack CE. **Endocrinology** 93:403-10, Aug 73

Menstrual cycle characteristics and side of ovulation in the Rhesus monkey. Wallach EE, et al. **Fertil Steril** 24:715-21, Sep 73

Biosynthesis of 11-deoxycorticosteroids by teleost ovaries and discussion of their possible role in oocyte maturation and ovulation. Colombo L, et al. **Gen Comp Endocrinol** 21:168-78, Aug 73

Delayed ovulation. Wingate MB, et al. **Ill Med J** 144:44-7, Jul 73

Pregnant donkey's serum-induced ovulation in immature mice. Shukla KP, et al. **Indian J Exp Biol** 10:451-2, Nov 72

A new index to predict ovulation in the human. Cortés-Gallegos V. **Int J Fertil** 18:93-6, 1973

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al. **Int J Fertil** 18:65-73, 1973

Effects of various mating stimuli on the LH surge and ovulation time following synchronization of estrus in the bovine. Randel RD, et al. **J Anim Sci** 37:128-30, Jul 73

A quantitative study of genetic differences in the incidence of oestrus, ovulation and plasma luteinizing hormone concentration in the sheep. Land RB, et al. **J Endocrinol** 58:305-17, Aug 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Alterations in lipid composition of plasma lipoproteins during deposition of egg yolk. Gornall DA, et al. **J Lipid Res** 14:197-205, Mar 73

Body fluids and temperature responses of heat-exposed women before and after ovulation with and without rehydration. Senay LC Jr. **J Physiol (Lond)** 232:209-19, Jul 73

Observation of ovulation in Macaca fascicularis. Rawson JM, et al. **J Reprod Fertil** 34:187-90, Jul 73

Physiological aspects of human ovulation, fertilization and cleavage. Edwards RG. **J Reprod Fertil [Suppl]** 18:87-101, Jul 73 (102 ref.)

Ovulatory and body weight response of the hamster to constant light or pinealectomy. Morin LP. **Neuroendocrinology** 12:192-8, 1973

The counter-current transfer of prostaglandin in the ewe. Lamond DR, et al. **Prostaglandins** 3:691-702, May 73

[Significance of timing ovulation induction using HCG or synthetic LH-RH in therapy of sterility] Gigon U, et al. **Geburtshilfe Frauenheilkd** 33:567-75, Jul 73 (Eng. Abstr.) **(Ger)**

[Determination of the optimal time for conception with special reference to changes in cervical secretion] Donat H. **Zentralbl Gynaekol** 95:561-73, 27 Apr 73 **(Ger)**

[Physiology of the ovary. I] Cortés-Gallegos V. **Arch Invest Med (Mex)** 4:29-40, 1973 (Eng. Abstr.) **(Spa)**

[Ovarian physiology. II. Methods for the diagnosis of ovulation] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 4:29-40, 1973 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Benagiano G, et al. **Acta Endocrinol (Kbh)** 73:347-59, Jun 73

Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility. Varga L, et al. **Am J Obstet Gynecol** 117:75-9, 1 Sep 73

The metabolism of 5,5-diphenylhydantoin (DPH) in

nonpregnant and pregnant Rhesus monkeys. Gabler WL, et al.
Arch Int Pharmacodyn Ther 203:72-91, May 73
Facilitation by progesterone of ovulating hormone release in sodium pentobarbital-blocked proestrous rats. Kobayashi F, et al.
Endocrinol Jap 20:175-80, Apr 73
Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaired growth, luteotropic stimulation and advanced ovulation. Krey LC, et al.
Endocrinology 93:377-84, Aug 73
Endogenous gonadotropin requirements for follicular growth and maintenance in immature rats pretreated with PMS. Sasamoto S, et al.
Endocrinology 93:292-6, Aug 73
Studies on the process of mouse meiosis and ovulation with daunomycin. Jagiello GM, et al.
Experientia 29:114-6, 1 May 73
The inhibition of amphibian ovulation in vitro by cytochalasin B1. Schroeder PC.
Experientia 29:617-8, 15 May 73
The effects of halothane on ovulation in the rat. Whitehead S, et al. **Experientia** 29:880-1, 1973
Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73
Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J.
J Endocrinol 58:xxxivxxxv, Aug 73
The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. Craven RP, et al.
J Endocrinol 58:319-26, Aug 73
Haematological changes in pregnancy following ovulation-induction therapy. Good W, et al.
J Obstet Gynaecol Br Commonw 80:486-90, Jun 73
Biochemical changes in pregnancies following ovulation-induction therapy. Macdonald HN, et al.
J Obstet Gynaecol Br Commonw 80:481-5, Jun 73
Anencephaly and ovulation stimulation. Sandler B.
Lancet 2:379, 18 Aug 73
Neural localization of estrogen-sensitive sites for inhibition of ovulation in the golden hamster Mesocricetus auratus. Lisk RD, et al.
Neuroendocrinology 12:153-60, 1973
Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73
Luteinizing hormone release and ovulation induced by the intraventricular infusion of prostaglandin E1 into pentobarbital-blocked rats. Spies HG, et al.
Prostaglandins 4:131-41, Jul 73
Ovulation rate and serum LH levels in rats treated with indomethacin or prostaglandin E2. Tsafriri A, et al.
Prostaglandins 3:461-7, Apr 73
Physiological role of prostaglandins in the induction of ovulation. Tsafriri A, et al.
Prostaglandins 2:1-10, Jul 72
Induction of ovulation with gonadotropins. Katz M, et al. **S Afr Med J** 47:1272-80, 28 Jul 73
[A new estrogen variant in the oral contraceptive Non-Ovlon] Sarembe B.
Dtsch Gesundheitsw 28:223-7, 1973 (Eng. Abstr.) (Ger)
[The course of pregnancy following induction of ovulation with epimestrol] Sas M, et al.
Geburtshilfe Frauenheilkd 33:506-9, Jun 73 (Eng. Abstr.) (Ger)
[Comparison of contraceptive methods by means of physiological criteria] Matter R.
Ther Umsch 30:537-42, Jul 73 (Eng. Abstr.) (Ger)
[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch** 30:516-23, Jul 73 (Eng. Abstr.) (Ger)
[Diagnosis and ovulation induction with LH-RH] Mizuguchi H, et al.
Clin Endocrinol (Tokyo) 21:365-72, Apr 73 (Jap)
[Induction and promotion of ovulation with single intramuscular injection of LH-RH] Nakamura Y, et al.
Clin Endocrinol (Tokyo) 21:807-14, Jun 73 (Jap)
[Action of chlordelazine on ovulation. (Experimental research)] Serban AM, et al.
Stud Cercet Endocrinol 24:283-9, 1973 (Rum)
[Induction of ovulation with human gonadotropins. Our experience in 24 cases] Alvarez Bravo A, et al.
Ginecol Obstet Mex 33:579-85, Jun 73 (Eng. Abstr (Sp

PUBERTY

Plasma LH, testosterone and DHT in the pig from birt to sexual maturity. Elsaesser F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:148, 1973
Effect of age and sex on cortisol concentrations peripheral tissues and adrenals in white guinea pig Fazekas AT, et al.
Acta Endocrinol [Suppl] (Kbh) 173:32, 1973
Plasma testosterone levels in childhood and pubert measured by radioimmunoassay. Hasan SH, et
Acta Endocrinol [Suppl] (Kbh) 173:168, 1973
Morphologic testicular changes in rats after biopsy puncture. Schwedes U, et al.
Acta Endocrinol [Suppl] (Kbh) 173:149, 1973
A considerable sex difference detectable by pap electrophoresis in the serum lipoprotein spectrum rabbits. Lózsa A.
Acta Physiol Acad Sci Hung 42:137-49, 1972
Clinical and metabolic features of anorexia nervo Warren MP, et al.
Am J Obstet Gynecol 117:435-49, 1 Oct 73
Contributions of the posterior cranial base an mandibular condyles to facial depth and height duri puberty. Mitani H. **Angle Orthod** 43:337-43, Jul
Studies on innocent praecordial vibratory murmurs children. 3. Follow-up study of children with innocent praecordial vibratory murmur. Monchy C et al. **Br Heart J** 35:685-90, Jul 73
Short boys. **Br Med J** 3:245-6, 4 Aug 73
Growth and reproductive performance of bulls a heifers fed purified and natural diets. VI. Grow estrus, conception rate, gestation and milk producti of females. Bond J, et al. **J Anim Sci** 37:141-7, Jul
Serum triiodothyronine concentrations in infan childhood, adolescence and pediatric thyroid disorders. AvRuskin TW, et al.
J Clin Endocrinol Metab 37:235-7, Aug 73
A quantitative study of genetic differences in t incidence of oestrus, ovulation and plasma luteiniz hormone concentration in the sheep. Land RB, et
J Endocrinol 58:305-17, Aug 73
The production of reduced C19 steroids by t prepubertal rat testis from 5 -pregnane-3,20-dio Richards G, et al. **J Endocrinol** 58:2-3, Jul
The pharmacological control of growth hormo release. Studies on the action of L-dopa an chlorpromazine in normal subjects and patients w Parkinsonism, acromegaly and delayed onset puberty. Singh P, et al. **J Endocrinol** 58:xii, Jul
Undesirable prepubertal effects of levodopa. Kort JJ, et al. **JAMA** 226:355, 15 Oct 73
Mucopolysaccharides in urine during normal hum development. Douglas C, et al.
Pediatr Res 7:724-7, Aug 73
Problems of emerging sexuality and their manageme Grover JW. **RI Med J** 56:274-9 passim, Jul
Environmental influences upon time of arrival puberty. Young HB. **RI Med J** 56:265-73 passim, Jul
Growing up. Tanner JM. **Sci Am** 229:34-43, Sep
Chronic home peritoneal dialysis in children. Counts et al. **Trans Am Soc Artif Intern Organs** 19:157-63, 1
[Testicular feminization with ambosexualization puberty and 46 XY-47 XXY mosaicism] Milcou SM, al.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (E Abstr.) (F
[Luteogenesis in ovaro-deferential graft in castra male rats] Anthonioz P.
C R Soc Biol (Paris) 166:1804-7, 1972 (F
[Alterations of the interstitial latero-dorsal hypothalamic nucleus in female albino guinea p during the prepubescent growth phase of the ova Barry J. **C R Soc Biol (Paris)** 166:1720-3, 1972 (F
[Passage from childhood to adolescence. 3. Hormo aspect] Bertrand J.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May (F
[Towards the reclassification of simple goiter Codaccioni JL, et al.
Probl Actuels Endocrinol Nutr 16:263-77, 3 May (F
[Passage from childhood to adolescence. I. Introduction] David M.
Probl Actuels Endocrinol Nutr 16:5-8, 3 May 73 (F
[Gonadotropic secretion during normal and dela puberty] Franchimont P, et al.

Probl Actuels Endocrinol Nutr 16:129-40, 3 May 73 (Fre)
Impuberism and hypogonadism at induction into military service. Statistical study] Fromantin M, et al.
Probl Actuels Endocrinol Nutr 16:179-99, 3 May 73 (Fre)
Diabetes and puberty] Hoet JJ.
Probl Actuels Endocrinol Nutr 16:295-303, 3 May 73 (Fre)
Pubertal decompensation of spasmophilia] Klotz HP, et al.
Probl Actuels Endocrinol Nutr 16:305-11, 3 May 73 (Fre)
Hypogonadotrophinic hypogonadism in females. Treatment and long term results] Konopka P.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)
Introduction to sex behavior of adolescents] Kreisler L.
Probl Actuels Endocrinol Nutr 16:339-46, 3 May 73 (Fre)
Pecularities of pubertal exophthalmic hyperthyroidism] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May 73 (Fre)
Passage from childhood to adolescence. II. Sequential study of the development of puberty in 49 girls] Sempé M, et al.
Probl Actuels Endocrinol Nutr 16:9-71, 3 May 73 (Fre)
s there an increase in urinary iodine clearance in pubertal goiters?] Simonin R, et al.
Probl Actuels Endocrinol Nutr 16:249-61, 3 May 73 (Fre)
Alimentary behavior disorders with body weight disorders in adolescents] Touzē J.
Probl Actuels Endocrinol Nutr 16:347-64, 3 May 73 (Fre)
Puberty retardation in males and females] Vague J, et al.
Probl Actuels Endocrinol Nutr 16:121-8, 3 May 73 (Fre)
Puberty and beat music] Klausmeier KG.
Psyche (Stuttg) 27:643-57, Jul 73 (Eng. Abstr.) (Ger)
Depressions and incidence of suicide in puberty] Nissen G. Z Allgemeinmed 49:435-9, 10 Apr 73 (Ger)
Loss of weight in puberty. Symptomatology, etiology and possibilities of ambulatory as well as stationary treatment] Schütze G.
Allgemeinmed 49:441-5, 10 Apr 73 (Ger)
Critical comments on a published article by István Angeli: "The Role of Puberty, Pregnancy and Climacterium in the manifestation and course of diabetes mellitus"] Szücs Z, et al.
Orv Hetil 114:2075-6, 26 Aug 73 (Hun)
Electroencephalographic study of enuresis] Fumi S.
Adv Neurol 43:182-95, May-Jun 73 (Eng. Abstr.) (Ita)
Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) (Jap)
Male hormones] Sarai K.
Clin Endocrinol (Tokyo) 21:583-6, Jun 73 (24 ref.) (Jap)
A follow-up study of growth increment and rate in the human face during puberty. I. Study of growth increment] Mitani H.
Jap Orthod Soc 31:307-18, Dec 72 (Eng. Abstr.) (Jap)
Somatic development of children in the City of Lublin at the age of puberty] Szajner-Milart I, et al.
Pediatr Pol 48:867-73, Jul 73 (Eng. Abstr.) (Pol)
Somatogram of the infantile population of the town Jul Alb compared with that of Drăgus] Firu P, et al.
and Cercet Endocrinol 24:299-307, 1973 (Rum)
State of the skin and its appendages in pubertal-adolescent dyspituitarism] Mirimanova RP, et al.
Probl Endokrinol (Mosk) 19:40-3, May-Jun 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Late effects of altered photoperiods on the onset of ovulation in gonadotropin-treated immature rats. McCormack CE. Endocrinology 93:403-10, Aug 73
Renal function in rats given PMS before puberty: Serum corticosterone values. Ramaley JA, et al. Neuroendocrinology 12:257-71, 1973

X CHROMATIN

True hermaphrodite with 46,XX chromosome constitution. Takayasu H, et al.
Acta Endocrinol (Kbh) 73:396-406, Jun 73
Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
Sex chromatin (Barr body) and inflammatory carcinoma of the breast. Gros C, et al.
Biomedicine [Express] 19:65-7, 10 Feb 73
Origin of teratomas. Ashley DJ. Cancer 32:390-4, Aug 73
Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Frajese G, et al. Clin Genet 4:130-3, 1973
Bilateral aniridia, multiple webs and severe mental retardation in a 47,XXY-48,XXXY mosaic. Pashayan H, et al. Clin Genet 4:125-9, 1973
The sex chromatin in Tachycines asynamorus (Orthoptera) and its implications. Nagl W.
Cytologia (Tokyo) 38:107-10, Mar 73
Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley MH, et al.
J Obstet Gynaecol Br Commonw 80:735-44, Aug 73
[Systematic study of Barr bodies in 2500 infants with severe congenital heart defects] Gautier M, et al.
Ann Genet (Paris) 16:67-8, Mar 73 (Eng. Abstr.) (Fre)
[Sexual nuclear dimorphism in the chick embryo (Gallus domesticus)] Kopp F, et al.
Ann Genet (Paris) 16:91-100, Jun 73 (Eng. Abstr.) (Fre)
[Barr bodies in nuclei of hair-root cells after staining with fluorochromes and diamond fuchsine] Sperling H, et al.
Humangenetik 18:181-2, 16 Apr 73 (Eng. Abstr.) (Ger)
[Age difference in the frequency of Barr nuclear body in the thyroid gland of dogs] Egawa J.
Yonago Acta Med 16:229-32, Feb 73 (Eng. Abstr.) (Ger)
[Barr's cell nuclear body in the mammary duct epithelium] Fukui H.
Yonago Acta Med 16:89-96, Dec 72 (Ger)
[Endotheliums of perifocal veins in breast cancer] Kobayashi S.
Yonago Acta Med 16:58-66, Feb 72 (Eng. Abstr.) (Ger)
[Relationship between chromosome Y and the nucleolus in the peripheral blood lymphocytes] Dallapiccola B, et al.
Haematologica (Pavia) 58:214-8, 1973 (Eng. Abstr.) (Ita)

ANALYSIS

Prenatal detection of genetic disorders. Nadler HL.
Adv Hum Genet 3:1-37, 1972 (193 ref.)
Turner syndrome with partial deletion of the X chromosome long arm. Lippe BM, et al.
Am J Dis Child 126:222-4, Aug 73
A sex chromatin survey in Africans. Cardozo LJ, et al.
East Afr Med J 49:874-8, Nov 72
Laboratory diagnosis of genetic disorders. Thomas GH, et al. Pediatr Clin North Am 20:105-19, Feb 73 (76 ref.)
The interplay of biological and environmental factors in a preschool-age patient with Klinefelter's syndrome. Case report. Campbell M, et al.
Pediatrics 52:29-37, Jul 73
[Identification of the sex chromosome formula in granulocytes of the peripheral blood] Dallapiccola B.
Haematologica (Pavia) 58:219-26, 1973 (Eng. Abstr.) (Ita)
[Diagnosis of paternity from peripheral blood granulocytes: study of fluorescence with the use of quinacrine] Dallapiccola B.
Haematologica (Pavia) 58:227-32, 1973 (Eng. Abstr.) (Ita)
[Significance of the so-called small clubs in granulocytes of male subjects] Dallapiccola B, et al.
Haematologica (Pavia) 58:233-8, 1973 (Eng. Abstr.) (Ita)
[Value of sex chromatin test in the demonstration of chromosomal mosaicism] Binkiewicz B, et al.
Ginekol Pol 43:487-90, Apr 72 (Eng. Abstr.) (Pol)
[Ultrastructure and development of apyrene and oligopyrene spermatozoa] Danilova LV.
Izv Akad Nauk SSSR [Biol] 4:580-7, Jul-Aug 72 (Eng. Abstr.) (Rus)

DRUG EFFECTS

[Mutual effects of corticosteroids and genetic cell system] Romanenko GF, et al.
Allerg Immunol (Leipz) 18:161-2, 1972 (Eng. Abstr.) (Ger)

SEX CHROMOSOMES

17-Alpha-hydroxylase deficiency of the gonads and adrenals in a male pseudohermaphrodite. Hammerstein J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:76, 1973**

Fatal viral encephalitis in children with X-linked hypogammaglobulinemia. Linnemann CC Jr, et al. **Am J Dis Child 126:100-3, Jul 73**

Primary amenorrhea: a simplified approach to diagnosis. Gilson MD, et al. **Am J Obstet Gynecol 117:400-6, 1 Oct 73**

The synaptinemal complex. Westergaard M, et al. **Annu Rev Genet 6:71-110, 1972 (104 ref.)**

Von Willebrand's disease. Pitney WR. **Aust NZ J Med 3:305-6, Jun 73**

Electrophoretic properties of hypoxanthine-guanine phosphoribosyl transferase in erythrocytes of subjects with Lesch-Nyhan syndrome. Bakay B, et al. **Biochem Genet 6:139-46, Apr 72**

Levels of RNA and DNA in Drosophila melanogaster at different stages of development: a comparison between one bobbed and two phenotypically non-bobbed stocks. Howells AJ. **Biochem Genet 6:217-30, Apr 72**

Location of phosphorylase kinase (Phk) in the mouse X chromosome. Huijing F, et al. **Biochem Genet 9:193-6, Jun 73**

Aromatic amino acid metabolism in brindled (Mobr) and viable-brindled (Movbr), two alleles at the mottled locus in the mouse. Hunt DM, et al. **Biochem Genet 6:31-40, Feb 72**

Lesch-Nyhan syndrome: absence of the mutant enzyme in erythrocytes of a heterozygote for both normal and mutant hypoxanthine-guanine phosphoribosyl transferase. McDonald JA, et al. **Biochem Genet 6:21-6, Feb 72**

Morphogenic effects of halogenated thymidine analogues on Drosophila. I. Quantitative analysis of lesions induced by 5-bromodeoxyuridine and 5-fluorouracil. Rizki TM, et al. **Biochem Genet 6:83-97, Feb 72**

Sex differences in activity of glucose 6-phosphate dehydrogenase from cultured human fetal lung cells despite X-inactivation. Steele MW, et al. **Biochem Genet 9:163-8, Jun 73**

X-linkage in manic-depressive illness. Mendlewicz J, et al. **Br Med J 3:290, 4 Aug 73**

Influence of sex chromosomes on laying-house performance of chickens. Briggs DM, et al. **Br Poult Sci 14:403-12, Jul 73**

Segregation-distortion in the B-chromosome system of Tettigidea lateralis (Say) (Orthoptera: Tetrigidae). Fontana PG, et al. **Chromosoma 43:75-100, 23 Jul 73**

Cytogenetics of ticks (Acari: Ixodoidea). 12. Chromosome and hybridization studies of bisexual and parthenogenetic Haemaphysalis longicornis races from Japan and Korea. Oliver JH Jr, et al. **Chromosoma 42:269-88, 28 Jun 73**

Chromosome homology in the climbing rats, genus Tylomys (Rodentia: Cricetidae). Pathak S, et al. **Chromosoma 42:215-28, 1973**

Serial sectioning study of some meiotic stages in Scaptericus borrelli (Gryllotdea). Roberto Sotelo J, et al. **Chromosoma 42:307-33, 28 Jun 73**

Evolution of the X1X2Y sex chromosome mechanism in the scincid lizard Scincella laterale (Say). Wright JW. **Chromosoma 43:101-8, 23 Jul 73**

Human thymus lymphoid tissue (HTL) antigen, complement receptor and rosette formation with sheep erythrocytes of the lymphocytes from primary immunodeficiency diseases. Yata J, et al. **Clin Exp Immunol 14:309-17, Jul 73**

The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs. Itakura H, et al. **Clin Genet 4:91-7, 1973**

Bilateral aniridia, multiple webs and severe mental retardation in a 47,XXY-48,XXXY mosaic. Pashayan H, et al. **Clin Genet 4:125-9, 1973**

The sex chromatin in Tachycines asynamorus (Orthoptera) and its implications. Nagl W. **Cytologia (Tokyo) 38:107-10, Mar 73**

Skeletal muscle phosphorylase kinase deficiency: detection of a protein lacking any activity in ICR-IAn mice. Cohen PT, et al. **FEBS Lett 29:113-6, 15 Jan 73**

A comparison between quinacrine fluorescence banding and 3H-thymidine incorporation patterns in human chromosomes. Calderon D, et al. **Humangenetik 18:63-70, 23 Mar 73**

Spatial relations of human chromosomes identified quinacrine fluorescence at metaphase. II. Analyses variance of intercentromeric distances. Naylor AF, al. **Humangenetik 18:307-13, 1973**

Structural aberrations of the Y chromosome and t corresponding phenotype. Report of a case with t karotype 45,X-46,X,i(Yp). Siebers JW, et al. **Humangenetik 19:57-66, 1973**

Distribution of constitutive heterochromatin in He and HEp-2 cell lines. Sinha AK, et al. **Humangenetik 18:47-54, 23 Mar 73**

Variation in the nonfluorescent segment of long chromosome. Soudek D, et al. **Humangenetik 18:285-90, 1973**

Partial Trisomy 1, Karyotype 46,XY,12-,t(1q,12p Van den Berghe H, et al. **Humangenetik 18:225-30, 25 May 73**

Radiosensitivity of oocytes of Drosophila. 3. Sensitiv of class-B oocytes of XX-O and X-X females. Würg FE, et al. **Int J Radiat Biol 22:367-77, Oct**

Cutaneous manifestations of immunogenetic deficiency disorders. Bean SF, et al. **J Invest Dermatol 60:503-8, Jun 73 (14 ref.**

Alopecia: syndromes of genetic significance. Mul SA. **J Invest Dermatol 60:475-92, Jun 73 (134 r**

Gene loci for the skin and their chromosomal positio Renwick JH. **J Invest Dermatol 60:403-6, Jun 73 (13 ref.**

Atypical gonadal dysgenesis. A clinical and cytogenetical report of three patients. Calverley M et al. **J Obstet Gynaecol Br Commonw 80:735-44, Aug**

Giesma banding of meiotic chromosomes. Bath DW al. **Lancet 2:455, 25 Aug 73**

X-linked hypophosphataemic rickets: Inadequat therapeutic response to 1,25-dihydroxycholecalciferol. Glorieux FH, et **Lancet 2:287-9, 11 Aug 73**

Transmission of maleness. Lustenberger AA, et **N Engl J Med 289:809-10, 11 Oct 73**

X chromosome inactivation in X-linked hypohidr ectodermal dysplasia. Passarge E, et al. **Nature [New Biol] 245:58-9, 12 Sep 73**

Mapping genes for the ribosomal protein of Drosoph Steffensen DM. **Nature [New Biol] 244:231-4, 22 Aug 73**

A 1973 look at hemophilia and von Willebrand's dise Ratnoff OD. **Proc Inst Med Chic 29:296-304, May-Jun 73 (44 r**

Relative orientation with respect to the centromer ribosomal RNA genes of the X and Y chromosome Drosophila melanogaster. Palumbo G, et al. **Proc Natl Acad Sci USA 70:1883-5, Jun 73**

Crossing-over between X AND Y chromosomes dur ribosomal DNA magnification in Drosophila melanogaster. Ritossa F. **Proc Natl Acad Sci USA 70:1950-4, Jul 73**

The genetics of early human development. Fowler et al. **Prog Med Genet 9:49-112, 1973 (236 r**

Puffing patterns in Drosophila melanogaster related species. Ashburner M. **Results Probl Cell Differ 4:101-51, 1972 (94 r**

Replication in polytene chromosomes. Rudkin **Results Probl Cell Differ 4:59-85, 1972 (151 r**

Male specific antigen: homology in mice and r Silvers WK, et al. **Science 181:570-2, 10 Aug**

Genetic counseling. Cross HE. **Trans Am Acad Ophthalmol Otolaryngol 76:120 Sep-Oct 72**

Ocular anomalies in malformation syndromes. O JM. **Trans Am Acad Ophthalmol Otolaryngol 76:1193- Sep-Oct 72**

Congenital tremor type A 3 in pigs: an heredi sex-linked cerebrospinal hypomyelinogenesis. Harding JD, et al. **Vet Rec 92:527-9, 19 May**

Inherited lysosomal storage diseases: an essa comparative medicine. Jolly RD, et al. **Vet Rec 92:391-400, 14 Apr 73 (95 ref.)**

Xga blood group in Chinese, Malays and Indian Singapore. Saha N, et al. **Vox Sang 24:542-4,**

[Hereditary transmission for 300 years of a satellite chromosome in a family] Genest P. **Ann Genet (Paris) 16:35-8, Mar 73 (Eng. Abstr.) (**

[Staining of human chromosomes with acridine ora after treatment with 5 bromodeoxyuridine] Dutrillaux B, et al. **C R Acad Sci [D] (Paris) 276:3179-81, 13 Jun 73 (**

[Elements of genetics. 4. Sex-linked heredity] Steinschneider R. Soins 18:27-32, Feb 73 (Fre)

Synaptonemal complex and chromosome structure in the achiasmatic spermatogenesis of Panorpa communis (Mecoptera)] Weisch B. Chromosoma 43:19-74, 23 Jul 73 (Eng. Abstr.) (Ger)

Studies on the heredity of susceptibility to the canine filaria, Dirofilaria immitis, in Culex pipiens fatigans and Aedes aegypti] Zielke E. Z Tropenmed Parasitol 24:36-44, Mar 73 (Eng. Abstr.) (Ger)

Prenatal sex determination using amniotic fluid and peripheral maternal blood by fluorescence-microscopy detection of the Y-chromosome] Dörner VG, et al. Zentralbl Gynaekol 95:625-34, 11 May 73 (Eng. Abstr.) (Ger)

Precocious menopause: recent case report and presentation of 2 cases with chromosome abnormalities (XX-XO and XXq-)] Moneta E, et al. Folia Endocrinol (Roma) 25:364-81, Oct 72 (Eng. Abstr.) (Ita)

Relationship between chromosome Y and the nucleolus in the peripheral blood lymphocytes] Dallapiccola B, et al. Haematologica (Pavia) 58:214-8, 1973 (Eng. Abstr.) (Ita)

Incidence of cancer in subjects with congenital or acquired chromosome aberrations] Koller PC. Recent Prog Med (Roma) 54:383-95, May 73 (35 ref.) (Eng. Abstr.) (Ita)

Loss of the Y chromosome in various hematologic disorders and its significance] Furusawa S, et al. Acta Haematol Jap 36:120-8, Apr 73 (Eng. Abstr.) (Jap)

Role and fate of sex cells during the intrauterine period of development of the ovaries] Boczkowski K. Ginekol Pol 43:401-3, Apr 72 (Pol)

Autosomal and sex-linked heredity] Boczkowski K. Ginekol Pol 43:501-6, Apr 72 (7 ref.) (Eng. Abstr.) (Pol)

Evaluation of Y body in meiosis in men by means of fluoroscopy] Wiśniewski L, et al. Ginekol Pol 44:635-40, Jun 73 (Eng. Abstr.) (Pol)

ANALYSIS

Laboratory diagnosis of genetic disorders. Thomas GH, et al. Pediatr Clin North Am 20:105-19, Feb 73 (76 ref.)

Chromomeres and genes. Beermann W. Results Probl Cell Differ 4:1-33, 1972 (66 ref.)

Diagnosis of paternity from peripheral blood granulocytes: study of fluorescence with the use of quinacrine] Dallapiccola B. Haematologica (Pavia) 58:227-32, 1973 (Eng. Abstr.) (Ita)

Identification of the sex chromosome formula in granulocytes of the peripheral blood] Dallapiccola B. Haematologica (Pavia) 58:219-26, 1973 (Eng. Abstr.) (Ita)

Significance of the so-called small clubs in granulocytes of male subjects] Dallapiccola B, et al. Haematologica (Pavia) 58:233-8, 1973 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Testing of rifampicin on possible genetic effects on Drosophila melanogaster and human leukocyte chromosomes in vitro. Vogel E, et al. Experientia 29:124-5, 1 May 73

Influence of sex-linked genes on embryonic sensitivity to cortisone in three strains of mice. Francis BM. Teratology 7:119-25, Apr 73

IMMUNOLOGY

Nongenetic host factors that affect the probability of rejection of H-X allografts in the mouse. Kohn HJ. Transplantation 16:151-4, Aug 73

RADIATION EFFECTS

Maternal effects on x-ray-induced sex chromosome loss in mature sperm of Drosophila melanogaster: a storage effect in mature oocytes. Bürki K, et al. Arch Genet (Zur) 46:53-61, 1973

Chromomeres and genes. Beermann W. Results Probl Cell Differ 4:1-33, 1972 (66 ref.)

SEX DETERMINATION

Prenatal detection of genetic disorders. Nadler HL. Adv Hum Genet 3:1-37, 1972 (193 ref.)

Fetal androgen and human chorionic gonadotropin excretion in relation to genetic sex. Younglai EV, et al. Am J Obstet Gynecol 117:291-2, 15 Sep 73

Dermatoglyphic studies of the 47,XYY male. Hubbell HR, et al. Clin Genet 4:145-57, 1973

A case of transexualism exhibiting intersexuality, having a possible XXY--sex determining mechanism. Miller HJ. J Am Soc Psychosom Dent Med 20:58-60, 1973

Assessment of masculinity and femininity. Okaisabor JA. Niger Nurse 5:30-2, Jan-Mar 73

XO-XY mosaicism and nonfluorescent Y chromosome. Khudr G, et al. Obstet Gynecol 42:421-8, Sep 73

[Differentiation of hypothalamic sex in subhuman primates and in man] Presl J. Cesk Gynekol 38:446-54, Jul 73 (Cze)

[Obtaining, by the method of grafts of embryonic gonads, a female descended from a unisexual female, in the triton Pleurodeles waltlii Michah] Collenot A. Experientia 29:885-7, 1973 (Eng. Abstr.) (Fre)

[Prenatal sex determination using amniotic fluid and peripheral maternal blood by fluorescence-microscopy detection of the Y-chromosome] Dörner VG, et al. Zentralbl Gynaekol 95:625-34, 11 May 73 (Eng. Abstr.) (Ger)

[Androgen insensitivity syndrome] Boczkowski K. Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) (Pol)

[The sexual primordium (gonoblast), its origin and evolution] Semenova-Tian-Shanskaia, et al. Arkh Anat Gistol Embriol 63:29-48, Aug 72 (56 ref.) (Eng. Abstr.) (Rus)

SEX REVERSAL, GONADAL

An approach to transsexual surgery. Williams G. Nurs Times 69:787, 21 Jun 73

[Transplantations of undifferentiated gonads in the simultaneous hermaphrodite, Eisenia foetida (Oligochaeta, Lumbricidae). Demonstration of local factors (inductors?) of sex differentiation] Relexans JC. J Embryol Exp Morphol 30:143-61, Aug 73 (Eng. Abstr.) (Fre)

I. Physical and Functional Aspects

PLACENTA

ANALYSIS

Relation between placental concentrations of chorionic somatomammotropin (placental lactogen) and growth: a study using the twin method. MacMillan DR, et al. **Pediatr Res** 7:719-23, Aug 73

[Histochemical study of the human placenta. Ultrastructural localization of the chorionic somatomammotrophic hormone using an immunocytochemical technic with peroxidase] Ikonicoff LK de. **C R Acad Sci [D] (Paris)** 276:3355-8, 18 Jun 73 **(Fre)**

[Endocrinology of normal pregnancy] Lauritzen C. **Med Klin** 68:897-905, Jul 73 **(Ger)**

[Aromatizing properties of perfused human placenta in vitro depending on different experimental conditions. I. Degree of aromatization in placenta samples from natural deliveries and cesarean sections] Pajszczyk-Kieszkiewicz T. **Ginekol Pol** 43:405-20, Apr 72 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

The exponential growth curve for the placental isoenzyme of alkaline phosphatase in sera of normal and diabetic pregnancies. Fishman WH, et al. **Am J Clin Pathol** 60:353-8, Sep 73

Evaluation of placental steroid 3-sulfatase and aromatase activities as regulators of estrogen production in human pregnancy. Townsley JD, et al. **Am J Obstet Gynecol** 117:345-50, 1 Oct 73

Pollutant burdens and biological response. Colucci AV, et al. **Arch Environ Health** 27:151-4, Sep 73

Properties of placental alkaline phosphatase. 3. Thermostability and urea inhibition of isolated components of the three common phenotypes. Beratis NG, et al. **Biochem Genet** 6:1-8, Feb 72

The distinction between gamma-glutamylhydroxamate synthetase and L-glutamine-hydroxylamine glutamyltransferase activities in rat tissues. Herzfeld A, et al. **Biochem J** 133:59-66, May 73

Hydrolysis of ceramide trihexoside by a specific -galactosidase from human liver. Ho MW. **Biochem J** 133:1-10, May 73

Distribution of glutamine hexosephosphate aminotransferase in rat tissues; changes with state of differentiation. Richards TC, et al. **Biochim Biophys Acta** 304:842-50, 28 May 73

The distribution and induction of some drug-metabolizing enzymes in man. Franklin CS, et al. **Br J Pharmacol** 47:616P, Mar 73

Phenotypes of the Regan isoenzyme and identity between the placental D-variant and the Nagao isoenzyme. Inglis NR, et al. **Cancer Res** 33:1657-61, Jul 73

Modification of hexosaminidase isozymes in rat hepatoma. Weber A, et al. **Cancer Res** 33:1925-30, Aug 73

Evaluation of kinetic enzyme parameters by use of a small computer interfaced "Fast Analyzer"--an addition to automated clinical enzymology. Tiffany TO, et al. **Clin Chem** 19:908-18, Aug 73

Human alpha-L-fucosidases. Wiederschain GY, et al. **Clin Chim Acta** 46:305-10, 14 Jul 73

Active products of fetal drug metabolism. Gillette JR, et al. **Clin Pharmacol Ther** 14:680-92, Jul-Aug 73

Use of fetal cell culture as an experimental system for predicting drug metabolism in the intact anim Nebert DW. **Clin Pharmacol Ther** 14:693-9, Jul-Aug

Insulin metabolizing enzyme activities in huma placental tissue. Posner BI. **Diabetes** 22:552-63, Jul

Effect of pH on electron-paramagnetic-resonanc spectra of ceruloplasmin. Gunnarsson PO, et **Eur J Biochem** 37:47-50, 1 Aug 73

Kinetics of the interaction between ceruloplasmin a reducing substrates. Gunnarsson PO, et al. **Eur J Biochem** 37:41-6, 1 Aug 73

Human placental 17 -oestradiol dehydrogenase. Sequence of a tryptic peptide containing an essenti cysteine. Nicolas JC, et al. **FEBS Lett** 29:173-6, 15 Jan 73

Immunological studies on HeLa cell heat-stabl alkaline phosphatases and their antigenic relationsh with human placental and intestinal isoenzymes. T KK, et al. **Immunochemistry** 10:209-12, Apr

Human glutamine phosphoribosylpyrophosphate amidotransferase. Two molecular forms interconvertible by purine ribonucleotides an phosphoribosylpyrophosphate. Holmes EW, et **J Biol Chem** 248:6035-40, 10 Sep 73

Sanfilippo disease type B: enzyme replacement a metabolic correction in cultured fibroblasts. O'Bri JS, et al. **Science** 181:753-5, 24 Aug 73

[Edema of placental villi in cases of fetal dystroph Kolodziejczyk J. **Ginekol Pol** 44:671-7, Jun 73 (Eng. Abstr.) (P

[Characteristics of the interaction of 17-beta-hydroxysteroid dehydrogenase from th human placenta with certain steroid compounc Cherniavskaia MA, et al. **Izv Akad Nauk SSSR [Biol]** 4:588-96, Jul-Aug 72 (E Abstr.) (R

METABOLISM

In vitro biosynthesis of proteins in human placent from normal and toxaemic pregnancies. Rahman S et al. **Acta Endocrinol (Kbh)** 73:567-76, Jul

Considerable increase of renal HCS-clearance after t removal of fetus and placenta. Geiger W, et **Acta Endocrinol [Suppl] (Kbh)** 173:51, 1973

Maternal and fetal factors affecting the growth a function of the rat placenta. Petropoulos E. **Acta Endocrinol [Suppl] (Kbh)** 176:3-69, 197

Effect of serotonin on placental aromatization. Vlas G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:78, 1

Localization of human chorionic gonadotropic a somatomammotropic hormones by the peroxid immunohistoenzymologic method in villi and amnio epithelium of human placentas (from six weeks term). Ikonicoff LK de, et al. **Am J Obstet Gynecol** 116:1124-32, 15 Aug 7

Estriol in plasma. A compartmental study. Klopper et al. **Am J Obstet Gynecol** 117:21-6, 1 Sep

Pollutant burdens and biological response. Colucci A et al. **Arch Environ Health** 27:151-4, Sep 73

3,4-Benzpyrene and aniline are hydroxylated by hun fetal liver but not by placenta at 6-7 weeks of fetal a Pelkonen O, et al. **Biochem Pharmacol** 22:1538-40, 15 Jun 73

Use of the guinea-pig foetal placenta, perfused in s as a model to study the placental transfer pharmacological substances. Hill PM, et al. **Br J Pharmacol** 47:655P-656P, Mar 73

Drug metabolism by placenta. Juchau MR, et **Clin Pharmacol Ther** 14:673-9, Jul-Aug 73

Research goals in developmental pharmacology. Mirkin BL. **Clin Pharmacol Ther** 14:762-6, Jul-Aug 73
Maternal and fetal distribution of drugs in pregnancy. Mirkin BL. **Clin Pharmacol Ther** 14:643-7, Jul-Aug 73
Concentration of (14 C) aldosterone by various tissues in pregnant rats. Abe K. **J Endocrinol** 56:611-2, Mar 73
Experimental comparison of radioactive agents for studies of the placenta. Mahon DF, et al. **J Nucl Med** 14:651-9, Sep 73
Development of sulfur depletion in pregnant and fetal rats: interaction of protein restriction and indole or salicylamide administration. McGarry PC, et al. **J Nutr** 103:1279-90, Sep 73
Fetal 5-hydroxytryptamine levels in late pregnancy. Jones JB, et al. **J Obstet Gynaecol Br Commonw** 80:687-9, Aug 73
Mercury as an environmental hazard. Vostal JJ, et al. **J Occup Med** 15:649-56, Aug 73 (16 ref.)
Effects of hormones, prostaglandins and cyclic-AMP on the synthesis of progesterone by the human placenta in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul 73
The nature of human chorionic gonadotrophin. Morgan FJ **Med J Aust** 1:1254, 23 Jun 73
The stimulatory action of the prostaglandins on the production of oestrogens by the human placenta perfused in vitro. Alsat E, et al. **Prostaglandins** 3:145-53, Feb 73
An essay: prostaglandins and toxemia of pregnancy. Speroff L. **Prostaglandins** 3:721-8, May 73
The aromatization of (7 -3H) androstenedione by human placental mitochondria. Renwick AG, et al. **Steroids** 22:123-32, Jul 73
The effects of some bacterial toxins on placental transport in the rabbit. Svihovec J, et al. **Toxicon** 10:627-33, Oct 72
Demonstration of mast cells and histamine in human placenta] Mahnke PF, et al. **Exp Pathol (Jena)** 6:355-9, 1972 (Eng. Abstr.) (Ger)
Pregnancy complications due to nutrition disorders] Rippmann ET. **Med Klin** 68:914-9, Jul 73 (Ger)
Pharmacokinetics of indomethacin in pregnant and parturient women and in their newborn infants] Traeger A, et al. **Zentralbl Gynaekol** 95:635-41, 11 May 73 (Ger)
Estrone and 17-beta estradiol conversion in placenta in protracted pregnancies] Jakowicki J. **Ginekol Pol** 44:629-34, Jun 73 (Eng. Abstr.) (Pol)
Aromatizing properties of perfused human placenta in vitro depending on different experimental conditions. I. Degree of aromatization in placenta samples from natural deliveries and cesarean sections] Pajszczyk-Kieszkiewicz T. **Ginekol Pol** 43:405-20, Apr 72 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Maternal and fetal factors affecting the growth and function of the rat placenta. Petropoulos EA. **Acta Endocrinol [Suppl] (Kbh)** 176:3-69, 1973
Placental transfer of penicillin G during constant-rate infusion in the goat. Kauffman RE, et al. **Am J Obstet Gynecol** 117:64-8, 1 Sep 73
Placental respiration in the immediate neonatal period. Marquis L, et al. **Am J Obstet Gynecol** 117:358-63, 1 Oct 73
Ultrasonic placentography. Reed MF. **Br J Radiol** 46:255-8, Apr 73
Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73
The effects of some bacterial toxins on placental transport in the rabbit. Svihovec J, et al. **Toxicon** 10:627-33, Oct 72
[Prostaglandins and the female genitalia] Sureau C. **Ann Med Interne (Paris)** 124:347-9, Apr 73 (Fre)
[Endocrinology of normal pregnancy] Lauritzen C. **Med Klin** 68:897-905, Jul 73 (Ger)
[The bioelectrical activity of the uterus at the end of pregnancy] Germer MZ. **Akush Ginekol (Mosk)** 48:45-7, Sep 72 (Rus)

PHYSIOPATHOLOGY

Plasma oestriol in pregnancy complicated by essential hypertension. Masson GM. **J Obstet Gynaecol Br Commonw** 80:712-7, Aug 73

SECRETION

[Demonstration of mast cells and histamine in human placenta] Mahnke PF, et al. **Exp Pathol (Jena)** 6:355-9, 1972 (Eng. Abstr.) (Ger)
[Dynamics of placentotropin (PCTH) excretion during labor] Lajos L, et al. **Orv Hetil** 114:1672-4, Jul 73 (Hun)
[Placental villi culture and hormone secretion] Takeuchi M, et al. **Clin Endocrinol (Tokyo)** 21:481-8, May 73 (Jap)

II. Disorders of the Placenta

CHORIOADENOMA

CLASSIFICATION

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73

DIAGNOSIS

Study on the systematic use of serial estimation of human placental lactogen (hPL) and human chorionic gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY. **Endocrinol Jap** 20:9-21, Feb 73

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73

DRUG THERAPY

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73

OCCURRENCE

Trophoblastic disease in Uganda. Leighton PC. **Am J Obstet Gynecol** 117:341-4, 1 Oct 73

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73

SURGERY

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

URINE

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

CHORIOCARCINOMA

[A case of metastatic chorioepithelioma of the maxilla] Menéndez Felipe JV. **An Esp Odontoestomatol** 32:243-56, May-Jun 73 (Spa)

CLASSIFICATION

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73

COMPLICATIONS

Perfusion lung scan patterns in patients with pulmonary embolism, emphysema & pulmonary edema. Gilday DL, et al. **CRC Crit Rev Radiol Sci** 3:321-61, 1972 (76 ref.)

Drug resistant choriocarcinoma presenting with hepatomegaly. Murphy JF, et al. **J Ir Med Assoc** 66:350-3, 7 Jul 73

Ovarian lutein cysts in pregnancy. Caspi E, et al. **Obstet Gynecol** 42:388-98, Sep 73

[Primary retroperitoneal choriocarcinoma in a male] Fladerer HP. **Zentralbl Allg Pathol** 117:40-3, 1973 (Eng. Abstr.) (Ger)

DIAGNOSIS

Hydatidiform mole in Concepcion Palacios Maternity Hospital. Agüero O, et al. **Am J Obstet Gynecol** 116:1117-20, 15 Aug 73

Study on the systematic use of serial estimation of human placental lactogen (hPL) and human chorionic gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY. **Endocrinol Jap** 20:9-21, Feb 73

A new adjuvant in testis tumor staging: gallium-67 citrate. Bailey TB, et al. **J Urol** 110:307-10, Sep 73

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 7

[A rare case of chorionepithelioma of the placenta i pregnancy] Musaev IaM, et al. **Akush Ginekol (Mosk)** 48:69, Oct 72 (Rus

DRUG THERAPY

Chemotherapy of choriocarcinoma and related trophoblastic tumors in women. Hertz R, et a **CA** 23:244-55, Jul-Aug 73

Malignant ovarian tumors in children. Ein SH. **J Pediatr Surg** 8:539-42, Aug 73

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 7

Gestational choriocarcinoma of the tube and ovary Patton GW Jr, et al. **Surg Gynecol Obstet** 137:608-12, Oct 73

[State of the childbearing function following chemotherapy for trophoblastic disease] Nechaev ID, et al. **Vopr Onkol** 19:20-7, 1973 (Eng. Abstr.) (Rus

ETIOLOGY

[Hydatidiform mole in a clinical material covering 10-year period] Stoiljković C, et al. **Rad Med Fak Zagrebu** 20:163-8, 1972 (Eng. Abstr (Cro

IMMUNOLOGY

[Immunological exploration of cancer patients. I Tumoral immunity] Cappelaere P, et al. **Lille Med** 18:179-201, Feb 73 (184 ref.) (Fr

OCCURRENCE

Trophoblastic disease in Uganda. Leighton PC. **Am J Obstet Gynecol** 117:341-4, 1 Oct 73

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 7

Gestational choriocarcinoma of the tube and ovar Patton GW Jr, et al. **Surg Gynecol Obstet** 137:608-12, Oct 73

PATHOLOGY

A new adjuvant in testis tumor staging: gallium- citrate. Bailey TB, et al. **J Urol** 110:307-10, Sep

Metastatic testicular neoplasm to the kidney. DeWo W, et al. **Minn Med** 56:783, Sep 73

Gestational choriocarcinoma of the tube and ovar Patton GW Jr, et al. **Surg Gynecol Obstet** 137:608-12, Oct 73

[Primary retroperitoneal choriocarcinoma in a mal Fladerer HP. **Zentralbl Allg Pathol** 117:40-3, 1973 (Eng. Abstr (Ge

PHYSIOPATHOLOGY

Hormonal changes in pathological pregnancy. Leusd HA van. **Vitam Horm** 30:281-361, 1972 (561 re

RADIOTHERAPY

Malignant ovarian tumors in children. Ein SH **J Pediatr Surg** 8:539-42, Aug 73

SURGERY

Malignant ovarian tumors in children. Ein SH **J Pediatr Surg** 8:539-42, Aug 73

Gonadotropin and steroid hormone excretion trophoblastic neoplasia. Ishizuka N, et al. **Obstet Gynecol** 42:1-11, Jul 73

[Recurrent pulmonary thromboembolism in a 33-year-old patient operated on for a testicular tum **Medicina (B Aires)** 33:150-6, Mar-Apr 73 (Sp

THERAPY

Estrogen excretion in patients with chorioepithelioma of the uterus] Sharoukhova KS, et al.
Akush Ginekol (Mosk) 48:17-21, Oct 72 (Eng. Abstr.) (Rus)

URINE

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73
Estrogen excretion in patients with chorioepithelioma of the uterus] Sharoukhova KS, et al.
Akush Ginekol (Mosk) 48:17-21, Oct 72 (Eng. Abstr.) (Rus)

HYDATIDIFORM MOLE

Pregnancy after hydatidiform mole. Pastorfide GB, et al. Obstet Gynecol 42:67-70, Jul 73

CLASSIFICATION

Overview of gestational trophoblastic neoplasia. Quigley MM. NY State J Med 73:1869-74, 15 Jul 73

COMPLICATIONS

Ovarian lutein cysts in pregnancy. Caspi E, et al.
Obstet Gynecol 42:388-98, Sep 73
Use of ultrasonography to follow regression of theca lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73
Induction of labor in hydatidiform moles with prostaglandin F2-alpha] Unbehaun V, et al.
Geburtshilfe Frauenheilkd 33:436-9, Jun 73 (Eng. Abstr.) (Ger)
Hydatidiform mole in a clinical material covering a 10-year period] Stoiljković C, et al.
Rad Med Fak Zagrebu 20:163-8, 1972 (Eng. Abstr.) (Cro)

DIAGNOSIS

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al.
Acta Endocrinol [Suppl] (Kbh) 173:50, 1973
Hydatidiform mole in Concepcion Palacios Maternity Hospital. Agüero O, et al.
Am J Obstet Gynecol 116:1117-20, 15 Aug 73
Study on the systematic use of serial estimation of human placental lactogen (hPL) and human chorionic gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY.
Endocrinol Jap 20:9-21, Feb 73
Early diagnosis of hydatidiform mole by ultrasound imaging. Birnholz JC, et al.
JAMA 225:1359-60, 10 Sep 73
Overview of gestational trophoblastic neoplasia. Quigley MM. NY State J Med 73:1869-74, 15 Jul 73
Diagnostic problems of trophoblastic disease in women aged 50 or more. Jequier AM, et al.
Obstet Gynecol 42:378-87, Sep 73
Diagnostic ultrasound at Groote Schuur Hospital. A review of 1000 new cases. Kukard RF, et al.
S Afr Med J 47:1285-90, 28 Jul 73

DRUG THERAPY

Prostaglandins for inducing labor and abortion.
Drug Ther Bull 11:41-3, 25 May 73
Overview of gestational trophoblastic neoplasia. Quigley MM. NY State J Med 73:1869-74, 15 Jul 73
Pregnancy after hydatidiform mole. Pastorfide GB, et al. Obstet Gynecol 42:67-70, Jul 73
Prostaglandins and the female genitalia] Sureau C.
Ann Med Interne (Paris) 124:347-9, Apr 73 (Fre)
Induction of labor in hydatidiform moles with prostaglandin F2-alpha] Unbehaun V, et al.
Geburtshilfe Frauenheilkd 33:436-9, Jun 73 (Eng. Abstr.) (Ger)
Prophylactic chemotherapy in hydatiform mole] Graff G, et al.
Harefuah 84:510-1, 1 May 73 (Eng. Abstr.) (Heb)

IMMUNOLOGY

Studies on histocompatibility between the patients with history of repeated moles and their husbands evaluated by mixed leucocyte culture in vitro. Takeuchi S, et al.
Acta Obstet Gynaecol Jap 19:97-101, Apr 72

OCCURRENCE

Hydatidiform mole in Concepcion Palacios Maternity Hospital. Agüero O, et al.
Am J Obstet Gynecol 116:1117-20, 15 Aug 73
Trophoblastic disease in Uganda. Leighton PC.
Am J Obstet Gynecol 117:341-4, 1 Oct 73
Overview of gestational trophoblastic neoplasia. Quigley MM. NY State J Med 73:1869-74, 15 Jul 73
[Hydatidiform mole in a clinical material covering a 10-year period] Stoiljković C, et al.
Rad Med Fak Zagrebu 20:163-8, 1972 (Eng. Abstr.) (Cro)

PATHOLOGY

Human placental villi: scanning electron-microscopic observations. Okudaira Y, et al.
Acta Obstet Gynaecol Jap 19:109-17, Apr 72
[Epicritical views on a fatal destructive hydatidiform mole] Schmid KO, et al.
Zentralbl Gynaekol 95:753-64, 1 Jun 73 (Ger)

PHYSIOPATHOLOGY

Hormonal changes in pathological pregnancy. Leusden HA van. Vitam Horm 30:281-361, 1972 (561 ref.)

PREVENTION & CONTROL

[Prophylactic chemotherapy in hydatiform mole] Graff G, et al.
Harefuah 84:510-1, 1 May 73 (Eng. Abstr.) (Heb)

RADIOGRAPHY

Amniographic patterns in the diagnosis of hydatidiform mole. Johnson JM, et al.
J Can Assoc Radiol 24:157-60, Jun 73

SURGERY

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73
[Epicritical views on a fatal destructive hydatidiform mole] Schmid KO, et al.
Zentralbl Gynaekol 95:753-64, 1 Jun 73 (Ger)

THERAPY

[Perspectives for the treatment of hydatidiform mole and chorionic epithelioma] Zamello J.
Ginekol Pol 44:807-9, Jul 73 (Pol)

URINE

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al.
Acta Endocrinol [Suppl] (Kbh) 173:50, 1973
Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73

PLACENTA

INJURIES

[Rupture of the vasculature of the umbilical cord and placenta] Shimada N.
Jap J Midwife 26:60-1, Dec 72 (Jap)

PLACENTA DISORDERS

Changes in the rat placenta following inoculation with Salmonella dublin. Hall GA.
Am J Pathol 72:103-18, Jul 73
Ovariectomy induced placental hypertrophy. Csapo AI, et al. Prostaglandins 4:189-200, Aug 73
[Pre-eclamptic state and the placenta] Kuczyńska-Sicińska J, et al.
Ginekol Pol 44:657-64, Jun 73 (Eng. Abstr.) (Pol)
[Physiology and pathology of female reproductive functions]. Petrov-Maslakov MA.
Vestn Akad Med Nauk SSSR 28:53-61, 1973 (Rus)

BLOOD

[Maternal serum levels of human placental lactogen in placental insufficiency] Berle P.
Geburtshilfe Frauenheilkd 33:455-9, Jun 73 (Eng. Abstr.) **(Ger)**
[FDP levels in pregnancy and delivery with special reference to the placental lesions] Soma H, et al.
Acta Haematol Jap 35:642-5, Oct 72 (Eng. Abstr.) **(Jap)**

CLASSIFICATION

Blood flow in the intervillous space and fetal blood flow. II. Relation to placental histology and histometry in cases with and without high fetal risk. Clavero JA, et al.
Am J Obstet Gynecol 116:1157-62, 15 Aug 73

COMPLICATIONS

Blood flow in the intervillous space and fetal blood flow. II. Relation to placental histology and histometry in cases with and without high fetal risk. Clavero JA, et al.
Am J Obstet Gynecol 116:1157-62, 15 Aug 73
Placental chorioangioma. Potashnik G, et al.
Am J Obstet Gynecol 117:296, 15 Sep 73
Chorioangioma of the placenta. Sumathy V, et al.
Mo Med 70:647-9 passim, Sep 73
[Etiology and therapy of late gestoses] Janisch H.
Minerva Ginecol 25:383-7, Jul 73 **(Ger)**
[Edema of placental villi in cases of fetal dystrophy] Kolodziejczyk J.
Ginekol Pol 44:671-7, Jun 73 (Eng. Abstr.) **(Pol)**
[Hemorrhages in the puerperal and early postpartum periods in a mountain region of Kirghizia] Rubin BL.
Sov Zdravookhr Kirg 3:51-4, May-Jun 72 **(Rus)**

DIAGNOSIS

Hypovolemia in toxemia of pregnancy: plasma expander therapy with surveillance of central venous pressure. Cloeren SE, et al.
Arch Gynaekol 215:123-32, 25 Jun 73
Ultrasonic placentography. Reed MF.
Br J Radiol 46:255-8, Apr 73
Plasma oestriol in pregnancy complicated by diabetes mellitus. Masson GM, et al.
J Obstet Gynaecol Br Commonw 80:536-41, Jun 73
Diagnostic ultrasound at Groote Schuur Hospital. A review of 1000 new cases. Kukard RF, et al.
S Afr Med J 47:1285-90, 28 Jul 73
[Prenatal care-pregnancy counseling] Jaisle F.
Med Klin 68:906-14, Jul 73 (10 ref.) **(Ger)**
[A rare case of chorionepithelioma of the placenta in pregnancy] Musaev IaM, et al.
Akush Ginekol (Mosk) 48:69, Oct 72 **(Rus)**

ETIOLOGY

Umbilical cord--placental separation: a complication of IUD failure. Golden AS. **J Reprod Med** 11:79-80, Aug 73
[Clinical and hysterosalpingographical findings following interruptio] Seewald HJ, et al.
Zentralbl Gynaekol 95:710-3, 25 May 73 **(Ger)**

METABOLISM

Experimental observations on the energy metabolism of human placenta. Paparella P, et al.
J Obstet Gynaecol Br Commonw 80:627-32, Jul 73
[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER.
Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Changes in the rat placenta following inoculation with Salmonella dublin. Hall GA.
Am J Pathol 72:103-18, Jul 73
Chorioangioma of the placenta. Sumathy V, et al.
Mo Med 70:647-9 passim, Sep 73
[Incidence of mast cells in human placental villi] Mahnke PF, et al.
Zentralbl Gynaekol 95:730-2, 25 May 73 **(Ger)**
[Edema of placental villi in cases of fetal dystrophy] Kolodziejczyk J.
Ginekol Pol 44:671-7, Jun 73 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Fate of the second twin] Scholtes G.
Med Klin 68:934-8, Jul 73 (Eng. Abstr.) **(Ger**

TROPHOBLASTIC TUMOR

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 7

BLOOD

Evaluation of a rapid competitive protein binding assa for progesterone in pregnancy and some of it complications. Teoh ES, et al.
Endocrinol Jap 20:211-5, Apr 73

CLASSIFICATION

Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 7

COMPLICATIONS

Use of ultrasonography to follow regression of thec lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73

DIAGNOSIS

Study on the systematic use of serial estimation human placental lactogen (hPL) and human chorion gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY.
Endocrinol Jap 20:9-21, Feb 73
Overview of gestational trophoblastic neoplasia. Quigley MM. **NY State J Med** 73:1869-74, 15 Jul
Diagnostic problems of trophoblastic disease in wome aged 50 or more. Jequier AM, et al.
Obstet Gynecol 42:378-87, Sep 73

DRUG THERAPY

Chemotherapy of choriocarcinoma and related trophoblastic tumors in women. Hertz R, et
CA 23:244-55, Jul-Aug 73
Use of ultrasonography to follow regression of the lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73
[Perspectives for the treatment of hydatidiform mc and chorionic epithelioma] Zamello J.
Ginekol Pol 44:807-9, Jul 73 **(P**
[State of the childbearing function following chemotherapy for trophoblastic disease] Nechae ID, et al. **Vopr Onkol** 19:20-7, 1973 (Eng. Abstr.) **(Ru**

ETIOLOGY

[Hydatidiform mole in a clinical material covering 10-year period] Stolijković C, et al.
Rad Med Fak Zagrebu 20:163-8, 1972 (Eng. Abst **(C**

HISTORY

Roy Hertz (1909-). (Hertz R), **CA** 23:242-3, Jul-Aug

IMMUNOLOGY

[Pregnancy-induced leukocyte-(HL-A) antibodies Hoppe I.
Arch Gynaekol 215:199-214, 25 Jun 73 (82 ref.) **(E**
Abstr.) **(G**

METABOLISM

[In vitro perfusion of the human utero-tubo-ovar unit. 1. Evaluation of experimental conditions and studies of the early stage of preganacy an trophoblastic neoplasia] Tojo S, et al.
Folia Endocrinol Jap 49:1103-18, 20 Aug 73 **(E**
Abstr.) **(J**

MORTALITY

[State of the childbearing function following chemotherapy for trophoblastic disease] Necha ID, et al. **Vopr Onkol** 19:20-7, 1973 (Eng. Abstr.) **(R**

OCCURRENCE

Trophoblastic disease in Uganda. Leighton PC.
Am J Obstet Gynecol 117:341-4, 1 Oct 73
Overview of gestational trophoblastic neoplasia.
Quigley MM. **NY State J Med** 73:1869-74, 15 Jul 73
Diagnostic problems of trophoblastic disease in women aged 50 or more. Jequier AM, et al.
Obstet Gynecol 42:378-87, Sep 73

SURGERY

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73
Use of ultrasonography to follow regression of theca lutein cysts. Scheer K, et al.
Radiology 108:673-4, Sep 73

THERAPY

[Perspectives for the treatment of hydatidiform mole and chorionic epithelioma] Zamello J.
Ginekol Pol 44:807-9, Jul 73 **(Pol)**

URINE

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

GONADOTROPINS, CHORIONIC

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al.
Acta Endocrinol (Kbh) 73:465-74, Jul 73

Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Sand T, et al.
Acta Endocrinol (Kbh) 73:444-54, Jul 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73

Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)

[New modification of the radioimmunoassay for human prolactin. I] Tamura S, et al.
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abstr.) **(Jap)**

ADMINISTRATION & DOSAGE

Human chorionic gonadotrophin ('Pregnyl') in the treatment of nocturnal enuresis. Jonge GA de.
Dev Med Child Neurol 15:497-9, Aug 73

Embryo transfer following in vitro and in vivo fertilization of rabbit ova. Mills JA, et al.
Fertil Steril 24:602-8, Aug 73

Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73

The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM.
J Endocrinol 58:185-92, Aug 73

The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. **J Endocrinol** 58:177-84, Aug 73

Oviduct contractility and egg transport in the rabbit. Aref I, et al. **Obstet Gynecol** 42:165-71, Aug 73

Human chorionic gonadotropin (HCG) in threatened abortion. Baillie P, et al.
S Afr Med J 47:1293-6, 28 Jul 73

[Induction of ovulation with human gonadotropins. Our experience in 24 cases] Alvarez Bravo A, et al.
Ginecol Obstet Mex 33:579-85, Jun 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Induction of ovulation with gonadotropins. Katz M, et al. **S Afr Med J** 47:1272-80, 28 Jul 73

ANALYSIS

Circular dichroism studies on human chorionic gonadotropin (HCG) and its subunits. Hilgenfeldt U, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:54, 1973

Species differences in luteinizing hormone as infered from slope variations in a radioligand receptor assay. Leidenberger F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:61, 1973

Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Leyendecker G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:62, 1973

The time course of recombination of HCG subunits observed by immunological methods and circular dichroism studies. Merz WE, et al.
Acta Endocrinol [Suppl] (Kbh) 173:53, 1973

Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone. Schams D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:60, 1973

Microheterogeneity of HCG reflected in the beta-subunits. Weise HC, et al.
Acta Endocrinol [Suppl] (Kbh) 173:55, 1973

Localization of human chorionic gonadotropic and somatomammotropic hormones by the peroxidase immunohistoenzymologic method in villi and amnioti epithelium of human placentas (from six weeks t term). Ikonicoff LK de, et al.
Am J Obstet Gynecol 116:1124-32, 15 Aug 73

Fetal androgen and human chorionic gonadotropi excretion in relation to genetic sex. Younglai EV, e al. **Am J Obstet Gynecol** 117:291-2, 15 Sep 7

An improved purification of human chorionic gonadotropin. Okumura H, et al.
Endocrinol Jap 20:67-71, Feb 73

[Histochemical study of the human placenta. Ultrastructural localization of the chorionic somatomammotrophic hormone using an immunocytochemical technic with peroxidase] Ikonicoff LK de.
C R Acad Sci [D] (Paris) 276:3355-8, 18 Jun 73 **(Fre**

ANTAGONISTS & INHIBITORS

Inhibitory effects of melatonin on HCG-induced stimulation of uterine and ovarian growth in infantil mice. König A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:150, 1973

Potential antifertility agents. 4. Biological propertie of diastereoisomeric 4-aryl-2-methylcyclohexanecarboxylic acids and related compounds. Crenshaw RR, et al.
J Med Chem 16:813-23, Jul 73

BIOSYNTHESIS

Influence of alpha- and beta-subunits on the kinetics formation and activity of native and hybrid molecule of LH and human chorionic gonadotropin. Reichert L Jr, et al. **Endocrinology** 93:938-46, Oct 73

The nature of human chorionic gonadotrophin. Morga FJ. **Med J Aust** 1:1254, 23 Jun 73

BLOOD

Effect of thyrotrophin-releasing hormone on seru levels of pituitary hormones in men and wome Torjesen PA, et al.
Acta Endocrinol (Kbh) 73:455-64, Jul 73

Influence of early pregnancy on lipid and carbohydra metabolism in normal females. Lindenmeyer D, et a
Acta Endocrinol [Suppl] (Kbh) 173:49, 1973

Abortion of early pregnancy by the intravagin administration of prostaglandin F2alpha. Bologne RJ, et al. **Am J Obstet Gynecol** 117:246-50, 15 Sep

Study on the systematic use of serial estimation human placental lactogen (hPL) and human chorion gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY.
Endocrinol Jap 20:9-21, Feb 73

Dextran-coated charcoal technique to make th hormone-free serum as a diluent for standard curve radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73

Intravenous prostaglandin F2alpha for induction menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug

Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Thomas K, et al.
Int J Fertil 18:65-73, 1973

Early diagnosis of hydatidiform mole by ultrasou imaging. Birnholz JC, et al.
JAMA 225:1359-60, 10 Sep 73

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et
Prostaglandins 2:453-64, Dec 72

[Autonomic nervous system and HCG secretion. Effects of catecholamines on the HCG secretion aft intravenous loading with tolbutamide or insulin normal subjects] Carducci Artenisio A, et al

Folia Endocrinol (Roma) 26:189-205, Jun 73 (Eng. Abstr.) (Ita)
[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER.
Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

The effect of gonadotropins on the "androgen status" in boys with undescended testes. Attanasio A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:167, 1973
Comparative determination of urinary testosterone glucuronide either by gas phase chromatography or by competitive protein binding analysis. Littmann KP, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:111, 1973
A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers. Berman W, et al. **Arch Neurol** 29:258-61, Oct 73
[Case of transitory gynecomasty with hyperestrogenism of non-tumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

An improved purification of human chorionic gonadotropin. Okumura H, et al.
Endocrinol Jap 20:67-71, Feb 73

METABOLISM

Progestin production in vitro by rabbit granulosa cells as an assay for luteinizing hormone. Shirley A, et al. **J Endocrinol** 58:345-6, Aug 73
Binding of human LH to particulate fraction of rat testis: disparity in LH:IRP equipotency ratios in immuno-and ligand assay. Schneider B, et al. **Metabolism** 22:1225-33, Sep 73
Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73
[Developmental changes in 125 I-HCG uptake by the female rat brain] Presl J, et al.
Cesk Gynekol 38:91-4, 1973 (Eng. Abstr.) (Cze)

PHARMACODYNAMICS

In vitro sterol and steroid synthesis by ovaries of hypophysectomized immature rats treated with human gonadotrophins. Bai RU, et al.
Acta Endocrinol (Kbh) 73:321-34, Jun 73
A workable, simple biological screening procedure for the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al.
Acta Endocrinol [Suppl] (Kbh) 173:63, 1973
Physicochemical and biological properties of 131J-HCG. Braendle W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:52, 1973
Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973
Inhibitory effects of melatonin on HCG-induced stimulation of uterine and ovarian growth in infantile mice. König A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:150, 1973
The influence of ACTH and HCG on the steroidogenesis of fetal adrenals in vitro. Lehmann WD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:75, 1973
Suppression and stimulation of plasma testosterone and DHT in hirsute women. Paetzmann H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:170, 1973
Studies on the progestational endometrium of the rabbit. I. Light microscopy, day 0 to day 13 of gonadotrophin-induced pseudopregnancy. Davies J, et al. **Am J Anat** 137:423-45, Aug 73
The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:240-5, 15 Sep 73
Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al.
Am J Physiol 225:508-12, Aug 73
Testicular function at puberty following prepubertal local x-irradiation in the rat. Suzuki K, et al.
Biol Reprod 9:1-8, Aug 73
A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement of FSH in the ovine estrous cycle, and in several other species including man. Salamonsen LA, et al.
Endocrinology 93:610-8, Sep 73
Endogenous gonadotropin requirements for follicular growth and maintenance in immature rats pretreated with PMS. Sasamoto S, et al.
Endocrinology 93:292-6, Aug 73
The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73
Effect of immunization with estrone-protein conjugate in rhesus monkeys. Sundaram K, et al.
Endocrinology 93:843-7, Oct 73
Oxygen and glucose uptake, and lactate production in polycystic rat ovary. Surwillo BO, et al.
Endocrinology 93:652-9, Sep 73
LH-RH interaction with the pituitary plasma membrane. Spona J. **FEBS Lett** 34:24-6, 1 Aug 73
Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73
Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Snyder DL, et al.
Fertil Steril 24:706-14, Sep 73
Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73
A radioimmunoassay for canine luteinizing hormone. Boyns AR, et al. **J Endocrinol** 58:xx, Jul 73
Autoradiographic studies of gonadotrophin action on germ cell maturation rate. Hunter JD.
J Endocrinol 58:133-4, Jul 73
The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamster epididymal spermatozoa. Lubicz-Nawrocki CM.
J Endocrinol 58:185-92, Aug 73
The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. Lubicz-Nawrocki CM, et al. **J Endocrinol** 58:177-84, Aug 73
The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated with gonadotrophins. Crooke AC, et al.
J Obstet Gynaecol Br Commonw 80:745-9, Aug 73
The effect of human chorionic gon adotrophin (HCG) on survival of human foetal cells. Loke YW, et al.
J Pathol 109:pxii, Jan 73
Effects of hormones, prostaglandins and cyclic-AMP on the synthesis of progesterone by the human placenta in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul 73
Increase of (Ca2+--Mg2+)-adenosine triphosphatase activity in rat testis undergoing regression of the germinal epithelium. Delhumeau-Ongay G, et al.
J Reprod Fertil 34:149-53, Jul 73
Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. Hipkin LJ. **J Reprod Fertil** 34:175-7, Jul 73
Hormonal antagonism to the antispermatogenic effect of ethylene-dimethanesulphonate in rats. Jackson H, et al. **J Reprod Fertil** 34:133-5, Jul 73
Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I). Kalderon AE, et al.
Lab Invest 29:81-9, Jul 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Pituitary follicle-stimulating hormone activity in rats treated with apomorphine, pimozide and drugs that modify catecholamine levels. Choudhury SA, et al.
Neuroendocrinology 12:272-83, 1973
Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et al.
Neuroendocrinology 12:257-71, 1973
Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73
Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73
Effect of prostaglandins on sperm transport and fertilization in the rabbit. Spilman CH, et al.
Prostaglandins 4:57-64, Jul 73
Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73
Induction of ovulation with gonadotropins. Katz M, et al. **S Afr Med J** 47:1272-80, 28 Jul 73
Human chorionic gonadotropin: its possible role in

maternal lymphocyte suppression. Adcock EW 3d, et al. **Science** 181:845-7, 31 Aug 73

[Morphogenetic effect of chorionic and serum gonadotropins (HCG and PMSG) on the Leydig cells of the pig testicle in organotypic culture] Morat M. **C R Acad Sci [D] (Paris)** 276:3335-8, 18 Jun 73 **(Fre)**

[Experimental studies on estrus synchronization in sheep] Nöldner H, et al.
Arch Exp Veterinaermed 26:1019-29, Dec 72 (Eng. Abstr.) **(Ger)**

[Estrus induction using gonadotropins in sheep] Sachse KH.
Arch Exp Veterinaermed 26:1013-8, Dec 72 (Eng. Abstr.) **(Ger)**

[Estrus synchronisation in gilts with TURISYNCHRON-Z] Stahl U, et al.
Arch Exp Veterinaermed 26:963-8, Dec 72 (Eng. Abstr.) **(Ger)**

[Course and control of sexual development in female pigs. I. Age threshold for ovarian reaction to gonadotropic stimulation] Ostermann L, et al.
Dtsch Tieraerzti Wochenschr 80:197-202, 1 May 73 (Eng. Abstr.) **(Ger)**

[Course and control of sex development in female pigs. II. Effect of a steroid induced genital tract development on action of gonadotropic stimulation in infantile female pigs] Ostermann L, et al.
Dtsch Tieraerzti Wochenschr 80:228-31, 15 May 73 (Eng. Abstr.) **(Ger)**

[Comparative gonadotropin treatment of male infertility] Sillo-Seidl G.
Z Haut Geschlechtskr 48:405-10, 15 May 73 **(Ger)**

[Subunits of human chorionic gonadotropin] Tojo S, et al.
Folia Endocrinol Jap 49:599-611, 20 Mar 73 (Eng. Abstr.) **(Jap)**

[Effect of chorionic gonadotropin on adrenal cortical function in intact and gonadectomized rats] Bekirov M, et al.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The gonadotropin receptor of the human corpus luteum. Cole FE, et al.
Am J Obstet Gynecol 117:87-95, 1 Sep 73

Endogenous gonadotropin requirements for follicular growth and maintenance in immature rats pretreated with PMS. Sasamoto S, et al.
Endocrinology 93:292-6, Aug 73

Pattern of recruitment of oocytes to second growth phase in normal toads, and in hypophysectomized toads, Bufo bufo bufo (L.), treated with gonadotropin (HCG). Jorgensen CB.
Gen Comp Endocrinol 21:152-9, Aug 73

The effect of human chorionic gon adotrophin (HCG) on survival of human foetal cells. Loke YW, et al.
J Pathol 109:pxii, Jan 73

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)

The nature of human chorionic gonadotrophin. Morgan FJ. **Med J Aust** 1:1254, 23 Jun 73

Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73

Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73

Human chorionic gonadotropin: its possible role in maternal lymphocyte suppression. Adcock EW 3d, et al. **Science** 181:845-7, 31 Aug 73

[Damage in the development of ovarian cycle regulatory mechanisms by human chorionic gonadotropin] Presl J.
Cesk Gynekol 38:109-10, 1973 **(Cze)**

SECRETION

Ovarian lutein cysts in pregnancy. Caspi E, et al.
Obstet Gynecol 42:388-98, Sep 73

Gestational choriocarcinoma of the tube and ovary. Patton GW Jr, et al.
Surg Gynecol Obstet 137:608-12, Oct 73

[Dynamics of placentotropin (PCTH) excretion during labor] Lajos L, et al. **Orv Hetil** 114:1672-4, Jul 73 **(Hun)**

[Autonomic nervous system and HCG secretion. I. Effects of catecholamines on the HCG secretion after intravenous loading with tolbutamide or insulin in normal subjects] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:189-205, Jun 73 (Eng. Abstr.) **(Ita)**

[Autonomic nervous system and HCG secretion. II. Effect of adrenergic blockaders on the excretion of HCG following intravenous loading of tolbutamide] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:206-16, Jun 73 (Eng. Abstr.) **(Ita)**

[In vitro perfusion of the human utero-tubo-ovarian unit. 1. Evaluation of experimental conditions and the studies of the early stage of preganacy and trophoblastic neoplasia] Tojo S, et al.
Folia Endocrinol Jap 49:1103-18, 20 Aug 73 (Eng. Abstr.) **(Jap)**

THERAPEUTIC USE

Testicular biopsy in evaluation of male infertility. Meinhard E, et al. **Br Med J** 3:577-81, 15 Sep 73

Human chorionic gonadotrophin ('Pregnyl') in the treatment of nocturnal enuresis. Jonge GA de.
Dev Med Child Neurol 15:497-9, Aug 73

The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated with gonadotrophins. Crooke AC, et al.
J Obstet Gynaecol Br Commonw 80:745-9, Aug 73

Male infertility: an optimistic report. Stewart BH, et al.
J Urol 110:216-8, Aug 73

Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Lunaas T, et al.
Nord Vet Med 24:177-80, Apr 73

Human chorionic gonadotropin (HCG) in threatened abortion. Baillie P, et al.
S Afr Med J 47:1293-6, 28 Jul 73

Induction of ovulation with gonadotropins. Katz M, et al. **S Afr Med J** 47:1272-80, 28 Jul 73

[Hypogonadotrophic hypogonadism in males. Discussion. Long-term therapeutic results] Guinet P et al.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 **(Fre)**

[Significance of timing ovulation induction using HCG or synthetic LH-RH in therapy of sterility] Gigon U, et al.
Geburtshilfe Frauenheilkd 33:567-75, Jul 73 (Eng. Abstr.) **(Ger)**

[Prolonged gestation in the blue fox after treatment with choriongonadotropins] Moller OM.
Nord Vet Med 24:492-500, Oct 72 (Eng. Abstr.) **(Nor)**

[Induction of ovulation with human gonadotropins. Our experience in 24 cases] Alvarez Bravo A, et al.
Ginecol Obstet Mex 33:579-85, Jun 73 (Eng. Abstr.) **(Spa)**

URINE

Chemotherapy of choriocarcinoma and related trophoblastic tumors in women. Hertz R, et al.
CA 23:244-55, Jul-Aug 73

Guidelines for academic medical centers planning to assume institutional responsibility for graduate medical education. Report of the Committee on Graduate Medical Education of the Association of American Medical Colleges.
J Med Educ 48:777-91, Aug 73

Gonadotropin and steroid hormone excretion in trophoblastic neoplasia. Ishizuka N, et al.
Obstet Gynecol 42:1-11, Jul 73

[Studies using a new immunologic pregnancy test] Hepp H, et al.
Med Klin 68:920-4, Jul 73 (Eng. Abstr.) **(Ger)**

[Primary retroperitoneal choriocarcinoma in a male] Fladerer HP.
Zentralbl Allg Pathol 117:40-3, 1973 (Eng. Abstr.) **(Ger)**

[Autonomic nervous system and HCG secretion. II. Effect of adrenergic blockaders on the excretion of HCG following intravenous loading of tolbutamide] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:206-16, Jun 73 (Eng. Abstr.) **(Ita)**

[Human chorionic gonadotropin (HCG) excretion in the urine in habitual threatened abortion treated with gestanon] Wawryk R, et al.
Ginekol Pol 44:665-70, Jun 73 (Eng. Abstr.) **(Pol)**

[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER.

Akush Ginekol (Mosk) 48:3-9, Oct 72 (Eng. Abstr.) (Rus)
[Chorionic gonadotropin excretion and the findings of hormonal cytodiagnostics in prolonged pregnancy] Ismailova SA, et al.
Akush Ginekol (Mosk) 48:58-9, Sep 72 (Rus)

GONADOTROPINS, EQUINE

ADMINISTRATION & DOSAGE

Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73

PHARMACODYNAMICS

Pituitary-gonadal regulation of copper and zinc metabolism in the female rat. Sato N, et al.
Am J Physiol 225:508-12, Aug 73
The effect of ovarian steroids on the uptake of 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue in vitro. Endersby CA, et al.
Br J Pharmacol 47:647P-648P, Mar 73
Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro. Miller WA, et al.
Fertil Steril 24:609-17, Aug 73
Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster. Yang WH, et al.
Fertil Steril 24:633-9, Aug 73
A radioimmunoassay for canine luteinizing hormone. Boyns AR, et al. J Endocrinol 58:xx, Jul 73
Autoradiographic studies of gonadotrophin action on germ cell maturation rate. Hunter JD.
J Endocrinol 58:133-4, Jul 73
Synchronization of oestrus in cattle using a prostaglandin F2alpha analogue (ICI 79939). Tervit HR, et al. J Reprod Fertil 34:179-81, Jul 73
Adrenal function in rats given PMS before puberty: serum corticosterone values. Ramaley JA, et al.
Neuroendocrinology 12:257-71, 1973
Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al.
Prostaglandins 3:427-37, Apr 73
Morphogenetic effect of chorionic and serum gonadotropins (HCG and PMSG) on the Leydig cells of the pig testicle in organotypic culture] Morat M.
C R Acad Sci [D] (Paris) 276:3335-8, 18 Jun 73 (Fre)
Course and control of sexual development in female pigs. I. Age threshold for ovarian reaction to gonadotropic stimulation] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:197-202, 1 May 73 (Eng. Abstr.) (Ger)
Course and control of sex development in female pigs. II. Effect of a steroid induced genital tract development on action of gonadotropic stimulation in infantile female pigs] Ostermann L, et al.
Dtsch Tieraerztl Wochenschr 80:228-31, 15 May 73 (Eng. Abstr.) (Ger)
Comparative gonadotropin treatment of male infertility] Sillé-Seidl G.
Z Haut Geschlechtskr 48:405-10, 15 May 73 (Ger)

PLACENTAL HORMONES

ANALYSIS

Histochemical study of the human placenta. Ultrastructural localization of the chorionic somatomammotrophic hormone using an immunocytochemical technic with peroxidase] Ikonicoff LK de.
C R Acad Sci [D] (Paris) 276:3355-8, 18 Jun 73 (Fre)

BIOSYNTHESIS

Human placental lactogen levels and daily insulin requirements in patients with diabetes mellitus complicating pregnancy. Spellacy WN, et al.
Obstet Gynecol 42:330-3, Sep 73

SECRETION

Hormone and enzyme levels in normal and complicated pregnancy. Ward H, et al.
Am J Obstet Gynecol 116:1105-13, 15 Aug 73
[Placental villi culture and hormone secretion] Takeuchi M, et al.
Clin Endocrinol (Tokyo) 21:481-8, May 73 (Jap)

PLACENTAL LACTOGEN

Enhancement by human placental lactogen of mammary hyperplastic nodules in ovariectomized mice. Yanai R, et al. Cancer Res 33:1642-4, Jul 73
Hormonal changes in pathological pregnancy. Leusden HA van. Vitam Horm 30:281-361, 1972 (561 ref.)
[Biochemical and immunological properties of human placental lactogen (hPL, human chorionic somatomammotropin: hCS). 2. Biochemical properties of hPL (hCS)] Morikawa H.
Folia Endocrinol Jap 49:1059-79, 20 Aug 73 (Eng. Abstr.) (Jap)

ANALYSIS

Relations between placental concentrations of chorionic somatomammotropin (placental lactogen) and growth: a study using the twin method. MacMillan DR, et al. Pediatr Res 7:719-23, Aug 73
[The intrauterine retarded newborn infant. Review and recommendations of the Society for Perinatal Medicine of the DDR. II. Etiology, pathogenesis, prenatal diagnosis, prenatal and postnatal therapy and prognosis] Beyreibb K, et al.
Z Aerztl Fortbild (Jena) 67:481-7, 15 May 73 (90 ref.) (Ger)
[Biochemical and immunological properties of human placental lactogen (hPL, human chorionic somatomammotropin: hCS). 2. Biochemical properties of hPL (hCS)] Morikawa H.
Folia Endocrinol Jap 49:1059-79, 20 Aug 73 (Eng. Abstr.) (Jap)

BIOSYNTHESIS

Human placental lactogen levels and daily insulin requirements in patients with diabetes mellitus complicating pregnancy. Spellacy WN, et al.
Obstet Gynecol 42:330-3, Sep 73

BLOOD

Considerable increase of renal HCS-clearance after the removal of fetus and placenta. Geiger W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:51, 1973
Influence of early pregnancy on lipid and carbohydrate metabolism in normal females. Lindenmeyer D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:49, 1973
Hormone and enzyme levels in normal and complicated pregnancy. Ward H, et al.
Am J Obstet Gynecol 116:1105-13, 15 Aug 73
Study on the systematic use of serial estimation of human placental lactogen (hPL) and human chorionic gonadotropin (hCG) for the management of trophoblastic neoplasia. Chough SY.
Endocrinol Jap 20:9-21, Feb 73
Alpha fetoprotein and human placental lactogen levels in maternal serum in multiple pregnancies. Garoff L, et al.
J Obstet Gynaecol Br Commonw 80:695-700, Aug 73
Variations in maternal plasma levels of human placental lactogen (HPL) in normal pregnancy and labour. Lindberg BS, et al.
J Obstet Gynaecol Br Commonw 80:619-26, Jul 73
The effect of posture on serum human placental lactogen (HPL) levels in normal and complicated late pregnancy. Ylikorkala O, et al.
J Obstet Gynaecol Br Commonw 80:546-7, Jun 73
Human placental lactogen levels and daily insulin requirements in patients with diabetes mellitus complicating pregnancy. Spellacy WN, et al.
Obstet Gynecol 42:330-3, Sep 73
Human chorionic somatomammotropin (HCS) normal pregnancy. Effects of race and parity. Morris HB VINIK AI, et al. S Afr Med J 47:1297-9, 28 Jul 73
[Maternal serum levels of human placental lactogen in placental insufficiency] Berle P.
Geburtshilfe Frauenheilkd 33:455-9, Jun 73 (Eng. Abstr.) (Ger)
[The diagnostic value of hormone studies in obstetrics

(review of the literature)] Bagramian ER. **Akush Ginekol (Mosk)** 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Biochemical and immunological properties of human placental lactogen (hPL: human chorionic somatomammotropin, hCS). I. Extraction and purification of hPL (hCS)] Morikawa H. **Folia Endocrinol Jap** 49:882-93, 20 Jun 73 (Eng. Abstr.) **(Jap)**

METABOLISM

Considerable increase of renal HCS-clearance after the removal of fetus and placenta. Geiger W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:51, 1973

PHARMACODYNAMICS

Comparative studies on the metabolic effects of some parameters of carbohydrate and lipid metabolism after intravenous administration of human placental lactogen, human prolactin and growth hormone. Berle P. **Acta Endocrinol [Suppl] (Kbh)** 173:104, 1973

Somatotropic and sodium-retaining effects of human growth hormone and placental lactogen in lower vertebrates. Clarke WC, et al. **Endocrinology** 93:960-4, Oct 73

Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, et al. **J Endocrinol** 58:343-4, Aug 73

The effect of human chorionic somato-mammotrophin on cell division in the mouse uterus. Zumpe N, et al. **J Endocrinol** 58:xv-xvi, Jul 73

PHYSIOLOGY

[The diagnostic value of hormone studies in obstetrics (review of the literature)] Bagramian ER. **Akush Ginekol (Mosk)** 48:3-9, Oct 72 (Eng. Abstr.) **(Rus)**

SECRETION

[In vitro perfusion of the human utero-tubo-ovarian unit. 1. Evaluation of experimental conditions and the studies of the early stage of preganacy and trophoblastic neoplasia] Tojo S, et al. **Folia Endocrinol Jap** 49:1103-18, 20 Aug 73 (Eng. Abstr.) **(Jap)**

URINE

Considerable increase of renal HCS-clearance after the removal of fetus and placenta. Geiger W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:51, 1973

SOMATOMAMMOTROPIN

Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. Biswas S, et al. J Endocrinol 58:343-4, Aug 73

Considerable increase of renal HCS-clearance after the removal of fetus and placenta. Geiger W, et al. Acta Endocrinol [Suppl] (Kbh) 173:51, 1973

Histochemical study of the human placenta. Ultrastructural localization of the chorionic somatomammotrophic hormone using an immunochemical technic with peroxidase]. I Konicoff LK de. CR Acad Sci [D] (Paris) 276:3355-8, 18 Jun 73 (Fre)

Localization of human chorionic gonadotropic and somatomammotropic hormones by the peroxidase immunohistoenzymologic method in nilli and amniotic epithelium of human placentas (from six weeks to term). I Konicoff LK de, et al. Am J Obstet Gynecol 116:1124-32, 15 Aug 73

Relations between placental concentrations of chorionic somatomammotropin (placental lactogen) and growth: a study using the Gwin method. McMillan DR, et al. Pediatr Res 7:719-23, Aug 73

Biochemical and immunological properties of human placental lactogen (hPL), human chorionic somatomammotropin (hCS). 1. Extraction and purification of hPL (hCS)]. Morikawa H. Folia Endocrinol Jap 49.882-93, 20 Jun 73 (Eng Abstr.) (Jap)

[Biochemical and immunological properties of human placental lactogen (hPL), human chorionic somatomammotropin (hCS). 2. Biochemical properties of hPL (hCS)]. Morikawa H. Folia Endocrinol Jap 49:1059-79, 20 Aug 73 (Eng Abstr.) (Jap)

Human chorionic somatomammotropin (HCS) normal pregnancy. Effects of race and parity. Morris HB, et al. S Afr Med J 47:1297-9, 28 Jul 73

The effect of human chorionic somato-mammotrophin on cell division in the mouse uterus. Zumpe N, et al. J Endocrinol 58:xv-xvi, Jul 73

I. Physical and Functional Aspects

PARATHYROID GLANDS

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

Experimental giant cell granulomas (tumors) in jaws of albino rats. Chan WC, et al. **J Periodontol** 44:511-8, Aug 73

Prostaglandins: effect on plasma calcium concentration. Beliel OM, et al. **Prostaglandins** 3:237-41, Feb 73

ABNORMALITIES

Immunodeficiency disease and malignancy. Various immunologic deficiencies of man and the role of immune processes in the control of malignant disease. **Ann Intern Med** 77:605-28, Oct 72 (189 ref.)

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al. **Ann Surg** 178:173-8, Aug 73

Immunodeficiency in developmental perspective. Good RA. **Harvey Lect** 67:1-107, 1973 (286 ref.)

ANALYSIS

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

ANATOMY & HISTOLOGY

[Homotransplantation of the thyroid-parathyroid complex in an experiment on dogs and puppies] Tochilin VI. **Probl Endokrinol (Mosk)** 19:100-4, May-Jun 73 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Anatomic considerations in parathyroid venous sampling. Shimkin PM, et al. **Am J Roentgenol Radium Ther Nucl Med** 118:654-62, Jul 73

CYTOLOGY

Ultrastructure of parathyroid glands and plasma immunoreactive parathyroid hormone in pregnant cows fed normal and high calcium diets. Black HE, et al. **Lab Invest** 29:173-85, Aug 73

Electron microscopic study on the parathyroid gland of the parathormone-injected newt, Triturus pyrrhogaster (Boie). Isono H, et al. **Okajimas Folia Anat Jap** 50:9-25, May 73

[Parathyroid gland] Fujita T. **Clin Endocrinol (Tokyo)** 21:475-9, May 73 (25 ref.) **(Jap)**

DRUG EFFECTS

Ultrastructure of parathyroid glands and plasma immunoreactive parathyroid hormone in pregnant cows fed normal and high calcium diets. Black HE, et al. **Lab Invest** 29:173-85, Aug 73

Electron microscopic study on the parathyroid gland of the parathormone-injected newt, Triturus pyrrhogaster (Boie). Isono H, et al. **Okajimas Folia Anat Jap** 50:9-25, May 73

EMBRYOLOGY

Stimulation and suppression of fetal parathyroid glands. Morphometric ultrastructural investigation. Altenähr E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:165, 1973

METABOLISM

75Selen-labelled human parathyroid hormone from tissue cultures. Hehrmann R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:163, 1973

Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium. Denis G, et al. **Can J Physiol Pharmacol** 51:539-48, Jul 73

Studies on the biosynthesis of rat parathyroid hormone and proparathyroid hormone: adaptation of the parathyroid gland to dietary restriction of calcium. Chu LL, et al. **Endocrinology** 93:915-24, Oct 73

Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats. Paviovitch H, et al. **J Clin Invest** 52:2656-9, Oct 73

[Influence of parathyroid glands on calcium and phosphorus metabolism in hereditary hypophosphatemia] Kucharska K, et al. **Pediatr Pol** 48:875-9, Jul 73 **(Pol)**

PATHOLOGY

Stimulation and suppression of fetal parathyroid glands. Morphometric ultrastructural investigation. Altenähr E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:165, 1973

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C. **Am Surg** 39:509-13, Sep 73

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al. **Ann Surg** 178:173-8, Aug 73

Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al. **Arch Pathol** 96:175-8, Sep 73

Ultrastructure of parathyroid glands and plasma immunoreactive parathyroid hormone in pregnant cows fed normal and high calcium diets. Black HE, et al. **Lab Invest** 29:173-85, Aug 73

[Fahr's disease. Neuropathologic and endocrine aspects] Baldet P, et al. **Arch Anat Pathol (Paris)** 21:233-40, Sep 73 **(Fre)**

[Studies on hemodialysis. II. Histopathological findings] Mitsuhashi S, et al. **Jap J Urol** 64:217-30, Mar 73 (Eng. Abstr.) **(Jap)**

[Secondary hyperparathyroidism in the course of uremia] Matusik J. **Patol Pol** 24:333-8, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

[Karyometric comparison between hyperfunctioning parathyroid adenomas and normal parathyroid glands: its surgical importance] Cordeiro AC. **Rev Hosp Clin Fac Med Sao Paulo** 28:188-94, Jul-Aug 73 (Eng. Abstr.) **(Por)**

[Familiar nephropathy with secondary hyperparathyroidism in three young dogs] Oksanen A, et al. **Nord Vet Med** 24:278-80, May 72 (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Stimulation and suppression of fetal parathyroid

glands. Morphometric ultrastructural investigation. Altenähr E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:165, 1973

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973

Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium. Denis G, et al.
Can J Physiol Pharmacol 51:539-48, Jul 73

The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate. Moore RJ, et al. **Endocrinology 93:581-92, Sep 73**

Sodium-independent active potassium reabsorption in proximal tubule of the dog. Beck LH, et al.
J Clin Invest 52:2641-5, Oct 73

Effect of volume expansion on sodium excretion in the presence and absence of increased delivery from superficial proximal tubules. Knox FG, et al.
J Clin Invest 52:1642-6, Jul 73

Effect of parathyroidectomy on urinary hydroxyproline excretion by subtotally nephrectomized rats. Goulding A, et al.
J Endocrinol 58:127-8, Jul 73

Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)

[Water-excreting function of the kidneys in experimental hypoparathyrosis] Avanesova EO.
Probl Endokrinol (Mosk) 19:107-11, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Decreased bone formation, mineralization, and enhanced resorption in calcium-deficient rats. Stauffer M, et al. **Am J Physiol 225:269-76, Aug 73**

[Influence of parathyroid glands on calcium and phosphorus metabolism in hereditary hypophosphatemia] Kucharska K, et al.
Pediatr Pol 48:875-9, Jul 73 (Pol)

SECRETION

Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Wurtman RJ. **Fed Proc 32:1769-71, Jul 73**

[Parathyroid gland] Fujita T.
Clin Endocrinol (Tokyo) 21:475-9, May 73 (25 ref.) (Jap)

SURGERY

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C.
Am Surg 39:509-13, Sep 73

Symptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al.
Br Med J 3:391-2, 18 Aug 73

Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al.
N Engl J Med 289:398-401, 23 Aug 73

Role of pyrophosphate in renal osteodystrophy. David DS, et al.
Trans Am Soc Artif Intern Organs 19:440-5, 1973

[Evolution of bone lesions in repeated hemodialysis] Meyrier A, et al.
Ann Med Interne (Paris) 124:85-90, Feb 73 (Fre)

[Double parathyroid adenoma. Apropos of a case] Richaud C, et al.
J Urol Nephrol (Paris) 79:150-4, Jan-Feb 73 (Fre)

TRANSPLANTATION

[Homotransplantation of the thyroid-parathyroid complex in an experiment on dogs and puppies] Tochilin VI.
Probl Endokrinol (Mosk) 19:100-4, May-Jun 73 (Eng. Abstr.) (Rus)

II. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al. **Arch Surg** 105:738-40, Nov 72

Persistent and recurrent hyperparathyroidism. Clark OH, et al. **Rev Surg** 30:299-300, Jul-Aug 73

BLOOD

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al. **Endocrinol Jap** 19:571-7, Dec 72

Study of the distribution of plasma calcium in 500 patients with mental disturbances. De Torrenté A, et al. **Helv Med Acta** 37:31-6, 1973

Hypocitricemic effect of surgical stress. Costello LC, et al. **J Surg Res** 15:182-8, Sep 73

Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al. **Lancet** 2:331-2, 11 Aug 73

[Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O. **Klin Wochenschr** 51:567-9, 1 Jun 73 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C. **Am Surg** 39:509-13, Sep 73

Symptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al. **Br Med J** 3:391-2, 18 Aug 73

Calcium and gastrointestinal secretion. Case RM. **Digestion** 8:269-88, 1973 (102 ref.)

Zollinger-Ellison syndrome. Isenberg JI, et al. **Gastroenterology** 65:140-65, Jul 73 (245 ref.)

Study of the distribution of plasma calcium in 500 patients with mental disturbances. De Torrenté A, et al. **Helv Med Acta** 37:31-6, 1973

Hypocitricemic effect of surgical stress. Costello LC, et al. **J Surg Res** 15:182-8, Sep 73

Ankylosing spondylitis and primary hyperparathyroidism. Bunch TW, et al. **JAMA** 225:1108-9, 27 Aug 73

Juvenile nephronophthisis. Betts PR, et al. **Lancet** 2:475-8, 1 Sep 73

Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al. **Lancet** 2:331-2, 11 Aug 73

Hyperparathyroidism and asthma. Kaplan SD. **Lancet** 2:447, 25 Aug 73

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology** 27:394-405, 1973

Bone pain. Andrews FM. **Rep Rheum Dis** 49:1-2, Feb 73

The natural history of regularly dialyzed diabetics. Leonard A, et al. **Trans Am Soc Artif Intern Organs** 19:282-6, 1973

[Primary hyperparathyroidism. Symptomatology in a series of 100 cases] Liévre JA, et al. **Ann Med Interne (Paris)** 124:1-8, Jan 73 (Eng. Abstr.) **(Fre)**

[Radiological and clinical correlations in hyperparathyroidism] Jeanmart L, et al. **J Belge Radiol** 56:21-32, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P. **Schweiz Med Wochenschr** 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**

[Primary hyperparathyroidism] Robert M, et al. **Sem Hop Paris** 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) **(Fre)**

[Cholelithiasis and primary hyperparathyroidism] Brünner H, et al. **Munch Med Wochenschr** 115:1208-10, 29 Jun 73 (Eng. Abstr.) **(Ger)**

[Parathyroid diseases and mental disorder] Tomita A. **Clin Endocrinol (Tokyo)** 21:565-9, Jun 73 **(Jap)**

DIAGNOSIS

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:164, 1973

Study of the distribution of plasma calcium in 500 patients with mental disturbances. De Torrenté A, et al. **Helv Med Acta** 37:31-6, 1973

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al. **Lancet** 2:331-2, 11 Aug 73

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology** 27:394-405, 1973

Resorptive arthropathy and the opera-glass hand syndrome. Swezey RL, et al. **Semin Arthritis Rheum** 2:191-244, 1972-73 (216 ref.)

Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism. Schmidt-Gayk H, et al. **Surg Gynecol Obstet** 137:439-44, Sep 73

Parathyroid adenoma with thyroid carcinoma. Summers GW, et al. **Trans Am Acad Ophthalmol Otolaryngol** 76:1387-91, Sep-Oct 72

[Primary hyperparathyroidism. Symptomatology in a series of 100 cases] Liévre JA, et al. **Ann Med Interne (Paris)** 124:1-8, Jan 73 (Eng. Abstr.) **(Fre)**

[Primary hyperparathyroidism] Robert M, et al. **Sem Hop Paris** 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) **(Fre)**

[Determination of cyclic adenosine 3',5'-monophosphate (cAMP) in urine for the diagnosis of primary hyperparathyroidism] Schmidt-Gayk H, et al. **Chirurg** 44:272-4, Jun 73 (Eng. Abstr.) **(Ger)**

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al. **Klin Wochenschr** 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) **(Ger)**

[Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O. **Klin Wochenschr** 51:567-9, 1 Jun 73 (Eng. Abstr.) **(Ger)**

[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al. **Urologe [A]** 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) **(Ger)**

[Incomplete renal tubular acidosis with recurrent nephrolithiasis and nephrocalcinosis] Marquardt H. **Urologe [A]** 12:162-6, Jul 73 (Eng. Abstr.) **(Ger)**

[Characteristics of the clinical course of cancer of the parathyroid glands] Kertsman VI, et al. **Klin Med (Mosk)** 50:81-4, Nov 72 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Vitamin D administration in primary hyperparathyroidism. Woodhouse NJ, et al. **Clin Sci** 44:3P passim, Feb 73

[Therapeutic indications for calcitonin. Experimental examination in some pathologic conditions] Perraro F, et al. **Folia Endocrinol (Roma)** 25:411-23, Oct 72 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Symptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al. **Br Med J** 3:391-2, 18 Aug 73

An unusual case of hyperparathyroidism. Milne RM, et al. **J R Coll Surg Edinb** 18:239-41, Jul 73

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology** 27:394-405, 1973

[Primary hyperparathyroidism. Symptomatology in a

series of 100 cases] Liévre JA, et al.
Ann Med Interne (Paris) 124:1-8, Jan 73 (Eng. Abstr.) **(Fre)**

[Radiological and clinical correlations in hyperparathyroidism] Jeanmart L, et al.
J Belge Radiol 56:21-32, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Familiar nephropathy with secondary hyperparathyroidism in three young dogs] Oksanen A, et al.
Nord Vet Med 24:278-80, May 72 (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

[Autoantibodies and autoimmune syndromes] Dimitrov DI.
Vutr Boles 12:1-7, 1973 (46 ref.) (Eng. Abstr.) **(Bul)**

METABOLISM

Gastric secretion of pepsin in patients with primary hyperparathyroidism before and after removal of parathyroid adenomas. Christiansen J.
Scand J Gastroenterol 8:337-40, 1973

OCCURRENCE

Cholelithiasis and primary hyperparathyroidism] Brünner H, et al.
Munch Med Wochenschr 115:1208-10, 29 Jun 73 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C.
Am Surg 39:509-13, Sep 73

diosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology** 27:394-405, 1973

Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al.
Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Renal bicarbonate wasting during phosphate depletion. A possible cause of altered acid-base homeostasis in hyperparathyroidism. Gold LW, et al.
J Clin Invest 52:2556-61, Oct 73

RADIOGRAPHY

Radiological and clinical correlations in hyperparathyroidism] Jeanmart L, et al.
J Belge Radiol 56:21-32, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

X-ray semeiotics of hyperparathyroid osteodystrophy] Shotemor Sh, et al.
Vestn Rentgenol Radiol 48:3-12, May-Jun 73 (Eng. Abstr.) **(Rus)**

SURGERY

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C.
Am Surg 39:509-13, Sep 73

ymptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al.
Br Med J 3:391-2, 18 Aug 73

Hypocitricemic effect of surgical stress. Costello LC, et al. **J Surg Res** 15:182-8, Sep 73

nkylosing spondylitis and primary hyperparathyroidism. Bunch TW, et al.
JAMA 225:1108-9, 27 Aug 73

Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O.
Klin Wochenschr 51:567-9, 1 Jun 73 (Eng. Abstr.) **(Ger)**

URINE

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al.
Acta Endocrinol [Suppl] (Kbh) 173:164, 1973

Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism. Schmidt-Gayk H, et al.
Surg Gynecol Obstet 137:439-44, Sep 73

[Determination of cyclic adenosine 3',5'-monophosphate (cAMP) in urine for the diagnosis of primary hyperparathyroidism] Schmidt-Gayk H, et al.
Chirurg 44:272-4, Jun 73 (Eng. Abstr.) **(Ger)**

[Effect of calcium gluconate infusions on urinary sodium, potassium and calcium in patients with hypercalciuria and hyperparathyrodidism] Schwille PO, et al.
Urologe [A] 12:158-61, Jul 73 (Eng. Abstr.) **(Ger)**

VETERINARY

[The feline urological syndrome] Lyngset A.
Nord Vet Med 24:577-85, Nov 72 (40 ref.) (Eng. Abstr.) **(Nor)**

[Familiar nephropathy with secondary hyperparathyroidism in three young dogs] Oksanen A, et al.
Nord Vet Med 24:278-80, May 72 (Eng. Abstr.) **(Swe)**

HYPERPARATHYROIDISM, SECONDARY

BLOOD

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al.
Endocrinol Jap 19:571-7, Dec 72

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al.
J Clin Invest 52:1958-71, Aug 73

COMPLICATIONS

Hypercalcemia during the diuretic phase of acute renal failure. Wilson R, et al. **Med Ann DC** 42:327-30, Jul 73

DIAGNOSIS

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al.
Acta Endocrinol [Suppl] (Kbh) 173:164, 1973

ETIOLOGY

Decreased bone formation, mineralization, and enhanced resorption in calcium-deficient rats. Stauffer M, et al. **Am J Physiol** 225:269-76, Aug 73

Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al.
N Engl J Med 289:398-401, 23 Aug 73

Chronic home peritoneal dialysis in children. Counts S, et al. **Trans Am Soc Artif Intern Organs** 19:157-63, 1973

[Pancreatic cancer with parathormone secretion. 2 new cases] Deplante JP, et al.
Sem Hop Paris 49:2289-99, 10 Jul 73 (Eng. Abstr.) **(Fre)**

[Secondary hyperparathyroidism in the course of uremia] Matusik J.
Patol Pol 24:333-8, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Osteocytes in chronic uremia. Differential count of osteocytes in human femoral bone. Krempien B, et al.
Virchows Arch [Pathol Anat] 360:1-9, 1973

[Secondary hyperparathyroidism in the course of uremia] Matusik J.
Patol Pol 24:333-8, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

URINE

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al.
Acta Endocrinol [Suppl] (Kbh) 173:164, 1973

HYPOPARATHYROIDISM

Idiopathic hypoparathyroidism. Kabrawala VN, et al.
J Indian Med Assoc 60:301-2, 16 Apr 73

PARATHYROID AND BONE

BLOOD

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al.
Endocrinol Jap 19:571-7, Dec 72

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al.
J Clin Invest 52:1958-71, Aug 73

COMPLICATIONS

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

[School problems and endocrine glands] Lederer J.
Probl Actuels Endocrinol Nutr 16:321-38, 3 May 73 **(Fre)**

[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al.
Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) **(Ita)**

[A study on etiology and treatment of cataract] Imaizumi K.
Acta Soc Ophthalmol Jap 77:192-215, 1973 (Eng. Abstr.) **(Jap)**

[Parathyroid diseases and mental disorder] Tomita A.
Clin Endocrinol (Tokyo) 21:565-9, Jun 73 **(Jap)**

DIAGNOSIS

Hypoparathyroidism in pregnancy. Bolen JW.
Am J Obstet Gynecol 117:178-9, 15 Sep 73

[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al.
Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Hypoparathyroidism in pregnancy. Bolen JW.
Am J Obstet Gynecol 117:178-9, 15 Sep 73

ETIOLOGY

Technical factors influencing morbidity in thyroid operations. Haff RC. **Am J Surg** 126:383-6, Sep 73

[Late side effects of radioactive iodine therapy in hyperthyroidism] Hara M, et al.
Jap J Clin Radiol 48:527-41, Aug 73 (122 ref.) **(Jap)**

FAMILIAL & GENETIC

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

METABOLISM

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

PATHOLOGY

[Riedel's thyroiditis associated with hypoparathyroidism] Austoni M, et al.
Folia Endocrinol (Roma) 25:495-501, Dec 72 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Water-excreting function of the kidneys in experimental hypoparathyrosis] Avanesova EO.
Probl Endokrinol (Mosk) 19:107-11, May-Jun 73 (Eng. Abstr.) **(Rus)**

SURGERY

[The state of the dento-maxillary apparatus in patients with a postoperative hypoparathyroidism] Vilkova LA, et al.
Stomatologiia (Mosk) 52:16-8, Jul-Aug 73 (Eng. Abstr.) **(Rus)**

PARATHYROID DISEASES

COMPLICATIONS

[Parathyroid diseases and mental disorder] Tomita A.
Clin Endocrinol (Tokyo) 21:565-9, Jun 73 **(Jap)**

DIAGNOSIS

[Examinations for the diagnosis of endocrine diseases] Jenny M.
Rev Med Suisse Romande 92:645-52, Sep 72 **(Fre)**

PATHOLOGY

Idiopathic non-arteriosclerotic cerebral calcification (Fahr's disease)--a case report. Seth HN, et al.
Indian J Pathol Bacteriol 15:47-51, Apr 72

[Fahr's disease. Neuropathologic and endocrine aspects] Baldet P, et al.
Arch Anat Pathol (Paris) 21:233-40, Sep 73 **(Fre)**

PARATHYROID GLANDS

ABNORMALITIES

Immunodeficiency disease and malignancy. Various immunologic deficiencies of man and the role of immune processes in the control of malignant disease.
Ann Intern Med 77:605-28, Oct 72 (189 ref.)

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al.
Ann Surg 178:173-8, Aug 73

Immunodeficiency in developmental perspective. Good RA. **Harvey Lect** 67:1-107, 1973 (286 ref.)

PARATHYROID NEOPLASMS

Human parathyroid adenomata maintained in immunosuppressed mice. Castro JE, et al.
Nature [New Biol] 245:51, 12 Sep 73

BLOOD

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al.
J Clin Invest 52:1958-71, Aug 73

CHEMICALLY INDUCED

Recurrent parathyroid adenoma. Association with prolonged thiazide administration. Balizet L.
JAMA 225:1238-9, 3 Sep 73

COMPLICATIONS

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al.
Ann Surg 178:173-8, Aug 73

Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al.
Arch Surg 105:738-40, Nov 72

Symptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al.
Br Med J 3:391-2, 18 Aug 73

An unusual case of hyperparathyroidism. Milne RM, et al. **J R Coll Surg Edinb** 18:239-41, Jul 73

Hypothyroidism and hyperparathyroidism associated with lithium. Garfinkel PE, et al.
Lancet 2:331-2, 11 Aug 73

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology** 27:394-405, 1973

Parathyroid adenomas causing vocal cord paralysis. Lore JM Jr, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1397-401, Sep-Oct 72

Parathyroid adenoma with thyroid carcinoma. Summers GW, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1387-91, Sep-Oct 72

[Radiological and clinical correlations in hyperparathyroidism] Jeanmart L, et al.
J Belge Radiol 56:21-32, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

[Double parathyroid adenoma. Apropos of a case] Richaud C, et al.
J Urol Nephrol (Paris) 79:150-4, Jan-Feb 73 **(Fre)**

[Bilateral parathyroid adenoma in a patient with renal lithiasis] Suhler A, et al.
J Urol Nephrol (Paris) 79:145-50, Jan-Feb 73 **(Fre)**

[Atypical localization of parathyroid adenomas in

primary hyperparathyroidism] Leisinger HJ, et al. **Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) (Ger)**

[Tumor of the parathyroid gland with secondary parathyroideal osteosis] Garrido CM, et al. **Arch Fund Roux Ocefa 6:223-7, 1972 (Spa)**

DIAGNOSIS

An unusual case of hyperparathyroidism. Milne RM, et al. **J R Coll Surg Edinb 18:239-41, Jul 73**

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology 27:394-405, 1973**

Parathyroid adenomas causing vocal cord paralysis. Lore JM Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1397-401, Sep-Oct 72**

Double parathyroid adenoma. Apropos of a case] Richaud C, et al. **J Urol Nephrol (Paris) 79:150-4, Jan-Feb 73 (Fre)**

[Bilateral parathyroid adenoma in a patient with renal lithiasis] Suhler A, et al. **J Urol Nephrol (Paris) 79:145-50, Jan-Feb 73 (Fre)**

[Primary hyperparathyroidism] Robert M, et al. **Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) (Fre)**

Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O. **Klin Wochenschr 51:587-9, 1 Jun 73 (Eng. Abstr.) (Ger)**

Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al. **Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) (Ger)**

Characteristics of the clinical course of cancer of the parathyroid glands] Kertsman VI, et al. **Klin Med (Mosk) 50:81-4, Nov 72 (Eng. Abstr.) (Rus)**

IMMUNOLOGY

Human parathyroid adenomata maintained in immunosuppressed mice. Castro JE, et al. **Nature [New Biol] 245:51, 12 Sep 73**

METABOLISM

^{35}Selen-labelled human parathyroid hormone from tissue cultures. Hehrmann R, et al. **Acta Endocrinol [Suppl] (Kbh) 173:163, 1973**

The in-vitro detection of the calcium-mobilising properties of mammary carcinoma. Powles TJ, et al. **J Pathol 109:piv, Jan 73**

PATHOLOGY

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al. **Ann Surg 178:173-8, Aug 73**

Human parathyroid adenomata maintained in immunosuppressed mice. Castro JE, et al. **Nature [New Biol] 245:51, 12 Sep 73**

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology 27:394-405, 1973**

Parathyroid adenomas causing vocal cord paralysis. Lore JM Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1397-401, Sep-Oct 72**

Parathyroid adenoma with thyroid carcinoma. Summers GW, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1387-91, Sep-Oct 72**

[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al. **Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) (Ger)**

[Karyometric comparison between hyperfunctioning parathyroid adenomas and normal parathyroid glands: its surgical importance] Cordeiro AC. **Rev Hosp Clin Fac Med Sao Paulo 28:188-94, Jul-Aug 73 (Eng. Abstr.) (Por)**

[Tumor of the parathyroid gland with secondary parathyroideal osteosis] Garrido CM, et al. **Arch Fund Roux Ocefa 6:223-7, 1972 (Spa)**

RADIOGRAPHY

Parathyroid adenomas causing vocal cord paralysis. Lore JM Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1397-401, Sep-Oct 72**

SURGERY

Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Scholz DA, et al. **Ann Surg 178:173-8, Aug 73**

Symptomatic hypomagnesaemia after parathyroidectomy. Jones CT, et al. **Br Med J 3:391-2, 18 Aug 73**

Recurrent parathyroid adenoma. Association with prolonged thiazide administration. Balizet L. **JAMA 225:1238-9, 3 Sep 73**

Idiosyncracies of parathyroid hyperfunction. Pollack RS. **Oncology 27:394-405, 1973**

Gastric secretion of pepsin in patients with primary hyperparathyroidism before and after removal of parathyroid adenomas. Christiansen J. **Scand J Gastroenterol 8:337-40, 1973**

Parathyroid adenomas causing vocal cord paralysis. Lore JM Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1397-401, Sep-Oct 72**

Parathyroid adenoma with thyroid carcinoma. Summers GW, et al. **Trans Am Acad Ophthalmol Otolaryngol 76:1387-91, Sep-Oct 72**

[Radiological and clinical correlations in hyperparathyroidism] Jeanmart L, et al. **J Belge Radiol 56:21-32, Jan-Feb 73 (Eng. Abstr.) (Fre)**

[Double parathyroid adenoma. Apropos of a case] Richaud C, et al. **J Urol Nephrol (Paris) 79:150-4, Jan-Feb 73 (Fre)**

[Bilateral parathyroid adenoma in a patient with renal lithiasis] Suhler A, et al. **J Urol Nephrol (Paris) 79:145-50, Jan-Feb 73 (Fre)**

[Primary hyperparathyroidism] Robert M, et al. **Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) (Fre)**

[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al. **Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) (Ger)**

[Effect of excision of adenomas of parathyroid glands on the course of Recklinghausen's disease with pathological femoral fracture] Galązka Z, et al. **Chir Narzadow Ruchu Ortop Pol 38:365-9, 1973 (Eng. Abstr.) (Pol)**

[Characteristics of the clinical course of cancer of the parathyroid glands] Kertsman VI, et al. **Klin Med (Mosk) 50:81-4, Nov 72 (Eng. Abstr.) (Rus)**

III. Parathyroid Hormone

PARATHYROID HORMONE

Effect of cysteine on the biological and immunological activity of human and bovine parathyroid hormone. Zanelli JM, et al. **J Endocrinol** 58:1-10, Jul 73

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev** 25:161-78, Jun 73 (60 ref.)

ADMINISTRATION & DOSAGE

Myositis ossificans progressiva. Effect of intravenously given parathyroid extract on urinary excretion of connective tissue components. Bland JH, et al. **Arch Intern Med** 132:209-12, Aug 73

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

Diminished hypercalcemic response to parathyroid extract in prepartum cows. Martig J, et al. **J Dairy Sci** 56:1042-6, Aug 73

ANALYSIS

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

[Parathyroid gland] Fujita T. **Clin Endocrinol (Tokyo)** 21:475-9, May 73 (25 ref.) (Jap)

ANTAGONISTS & INHIBITORS

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:166, 1973

The effect of anticonvulsant drugs in vitro on bone calcium mobilization by parathyroid hormone. Jenkins MV, et al. **Clin Sci** 45:1P-2P, Jul 73

Effect of cysteine on the biological and immunological activity of human and bovine parathyroid hormone. Zanelli JM, et al. **J Endocrinol** 58:1-10, Jul 73

Aspirin inhibition of in vitro osteolysis stimulated by parathyroid hormone and PGE1. Powles TJ, et al. **Nature [New Biol]** 245:83-4, 19 Sep 73

Effect of chronic renal failure on inactivation of parathormone by rat kidney tissue slices. Broulik PD, et al. **Physiol Bohemoslov** 21:239-42, May 72

BIOSYNTHESIS

75Selen-labelled human parathyroid hormone from tissue cultures. Hehrmann R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:163, 1973

Studies on the biosynthesis of rat parathyroid hormone and proparathyroid hormone: adaptation of the parathyroid gland to dietary restriction of calcium. Chu LL, et al. **Endocrinology** 93:915-24, Oct 73

Paraneoplastic syndromes. A clinically relevant concept in cancer. Lawrence W Jr, et al. **Va Med Mon** 100:738-49, Aug 73

BLOOD

Anatomic considerations in parathyroid venous sampling. Shimkin PM, et al. **Am J Roentgenol Radium Ther Nucl Med** 118:654-62, Jul 73

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C. **Am Surg** 39:509-13, Sep 73

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al. **Endocrinol Jap** 19:571-7, Dec 72

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al. **J Clin Endocrinol Metab** 37:297-307, Aug 73

Acute parathyroid hormone response to epinephrine in vivo. Fischer JA, et al. **J Clin Invest** 52:2434-40, Oct 73

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

Ultrastructure of parathyroid glands and plasma immunoreactive parathyroid hormone in pregnant cows fed normal and high calcium diets. Black HE, et al. **Lab Invest** 29:173-85, Aug 73

Hypercalcaemia after oral calcium-carbonate therapy in patients on chronic haemodialysis. Ginsburg DS, et al. **Lancet** 1:1271-4, 9 Jun 73

Radioassay of the calciotropic hormones. Arnaud CD. **Metabolism** 22:1013-20, Aug 73 (36 ref.)

Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al. **N Engl J Med** 289:398-401, 23 Aug 73

Dietary phosphorus, PTH, and bone resorption. **Nutr Rev** 31:124-6, Apr 73 (11 ref.)

Serum levels of parathyroid hormone in the Zollinger-Ellison syndrome. Jaffe BM, et al. **Surgery** 74:621-5, Oct 73

Osteocytes in chronic uremia. Differential count of osteocytes in human femoral bone. Krempien B, et al. **Virchows Arch [Pathol Anat]** 360:1-9, 1973

[Hyperthyrocalcitoninemia in idiopathic hemochromatosis] Pawlotsky Y, et al. **Nouv Presse Med** 2:1793, 30 Jun 73 (Fre

[Pancreatic cancer with parathormone secretion. 2 new cases] Deplante JP, et al. **Sem Hop Paris** 49:2289-99, 10 Jul 73 (Eng. Abstr.) (Fre

[Primary hyperparathyroidism] Robert M, et al. **Sem Hop Paris** 49:475-85, 8 Feb 73 (40 ref.) (Eng Abstr.) (Fre

CHEMICAL SYNTHESIS

Parathyroid-hormone fragment. Milhaud G, et al. **Lancet** 2:440, 25 Aug 73

[Synthesis of sequence 1-34 of human parathyroid hormone] Andreatta RH, et al. **Helv Chim Acta** 56:470-3, 1973 (Eng. Abstr.) (Ger

DIAGNOSTIC USE

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:164, 1973

METABOLISM

75Selen-labelled human parathyroid hormone from tissue cultures. Hehrmann R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:163, 1973

Studies on the biosynthesis of rat parathyroid hormone and proparathyroid hormone: adaptation of the parathyroid gland to dietary restriction of calcium. Chu LL, et al. **Endocrinology** 93:915-24, Oct 73

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest** 52:1958-71, Aug 73

Control of polypeptide hormones by enzymatic degradation. Knights EB, et al. **Lancet** 2:719-23, 29 Sep 73

Radioassay of the calciotropic hormones. Arnaud CD. **Metabolism** 22:1013-20, Aug 73 (36 ref.)

Effect of chronic renal failure on inactivation of parathormone by rat kidney tissue slices. Broulik PD, et al. **Physiol Bohemoslov** 21:239-42, May 72

[Physiology and metabolism of cholecalciferol] Wilczek H, et al. **Cas Lek Cesk** 112:853-5, 1973 (Eng. Abstr.) (Cze

PHARMACODYNAMICS

Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rats. Hehrmann R, et al. **Acta Endocrinol (Kbh)** 73:489-98, Jul 73

PARATHYROID AND BONE

The role of thyroid hormones in the mechanism of intestinal calcium absorption. Jentsch E, et al. **Acta Endocrinol [Suppl] (Kbh) 173:145, 1973**

Role of cyclic AMP in the action of neurohypophyseal hormones on kidney. Dousa TP, et al. **Adv Cyclic Nucleotide Res 1:121-35, 1972**

Effects of parathyroid hormone and calcium on renal reabsorption of bicarbonate in children. Vainsel M. **Biomedicine 18:112-7, Mar 73**

Parathyroid hormone and vitamin D. I. Effect of parathyroid hormone on the 1-hydroxylase enzyme system. Galante L, et al. **Clin Sci 44:3P passim, Feb 73**

The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al. **Clin Sci 44:4P-5P, Feb 73**

Secretion of avian ultimobrachial calcitonin in organ culture. Reinblatt JD, et al. **Endocrinology 93:277-84, Aug 73**

Calcium metabolism at the cellular level. Borle AB. **Fed Proc 32:1944-50, Sep 73**

Mechanisms of bone resorption in laying hens. Mueller WJ, et al. **Fed Proc 32:1951-4, Sep 73**

Stimulation of lipolysis and calcium accumulation by parathyroid hormone in rat adipose tissue in vitro after adrenalectomy and administration of high doses of cortisone acetate. Werner S, et al. **Horm Metab Res 5:292-6, Jul 73**

Diminished hypercalcemic response to parathyroid extract in prepartum cows. Martig J, et al. **J Dairy Sci 56:1042-6, Aug 73**

Aspirin inhibition of in vitro osteolysis stimulated by parathyroid hormone and PGE1. Powles TJ, et al. **Nature [New Biol] 245:83-4, 19 Sep 73**

The influence of feeding packing plant byproducts containing thyroids and parathyroids on the reproduction of rats and mink. Kangas J, et al. **Nord Vet Med 24:162-70, Mar 72**

Electron microscopic study on the parathyroid gland of the parathormone-injected newt, Triturus pyrrhogaster (Boie). Isono H, et al. **Okajimas Folia Anat Jap 50:9-25, May 73**

Oncogenous rickets: possible elaboration by a tumor of a humoral substance inhibiting tubular reabsorption of phosphate. Harrison HE. **Pediatrics 52:432-4, Sep 73 (8 ref.)**

Influence of calcitonin on bone phosphatases and phosphate release in organ culture. Messer HH, et al. **Proc Soc Exp Biol Med 143:690-2, Jul 73**

Synthesis of sequence 1-34 of human parathyroid hormone] Andreatta RH, et al. **Helv Chim Acta 56:470-3, 1973 (Eng. Abstr.) (Ger)**

PHYSIOLOGY

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al. **Acta Endocrinol [Suppl] (Kbh) 173:166, 1973**

New ideas on vitamin D. DeLuca HG. **Br Med J 2:662, 16 Jun 73**

Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Wurtman RJ. **Fed Proc 32:1769-71, Jul 73**

Bone resorption and prosthodontics. Fenton AH. **J Prosthet Dent 29:477-83, May 73 (32 ref.)**

Regulation of vitamin-D metabolism without parathyroid hormone. Larkins RG, et al. **Lancet 2:289-91, 11 Aug 73**

Tumour-induced osteolysis. Powles TJ, et al. **Lancet 2:504, 1 Sep 73**

Control of vitamin D metabolism. **Nutr Rev 31:187-8, Jun 73 (6 ref.)**

Dietary phosphorus, PTH, and bone resorption. **Nutr Rev 31:124-6, Apr 73 (11 ref.)**

[Osteogenesis, osteocytic activity and calcitonin] Duriez J, et al. **Acta Orthop Belg 39:471-8, Mar-Apr 73 (Fre)**

[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A. **Pol Arch Med Wewn 50:831-6, Aug 73 (Pol)**

SECRETION

The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al. **Clin Sci 44:4P-5P, Feb 73**

Calcium and gastrointestinal secretion. Case RM. **Digestion 8:269-88, 1973 (102 ref.)**

Acute parathyroid hormone response to epinephrine in vivo. Fischer JA, et al. **J Clin Invest 52:2434-40, Oct 73**

Heterogeneity of parathyroid hormone. Clinical and physiologic implications. Silverman R, et al. **J Clin Invest 52:1958-71, Aug 73**

[Parathyroid gland] Fujita T. **Clin Endocrinol (Tokyo) 21:475-9, May 73 (25 ref.) (Jap)**

THERAPEUTIC USE

Myositis ossificans progressiva. Effect of intravenously given parathyroid extract on urinary excretion of connective tissue components. Bland JH, et al. **Arch Intern Med 132:209-12, Aug 73**

IV. Bone Metabolism and Related Topics

BONE AND BONES

Analysis of reported physiologic effects of microwave radiation. McLees BD, et al.
Adv Biol Med Phys 14:163-223, 1973 (34 ref.)

The immunology of procollagen. I. Development of antibodies to determinants unique to the proalpha 1 chain. Von der Mark K, et al.
Arch Biochem Biophys 156:356-64, May 73

Technetium-99m labelled pyrophosphate: a simple and reproducible bone scanning agent. Hosain P.
Br J Radiol 46:724-8, Sep 73

Hemoptysis secondary to fish bone penetration of the esophagus. Widmann WD, et al. **Chest** 64:265-6, Aug 73

Mechanical factors influencing the holding power of screws in compact bone. Uhthoff HK.
J Bone Joint Surg [Br] 55:633-9, Aug 73

Comment on "mechanical resonance spectra in human cancellous bone. Black J. **Science** 181:273, 20 Jul 73

Mechanical resonance spectra in human cancellous bone. Paugh JW, et al. **Science** 181:271-3, 20 Jul 73

Application of 4096 channel memory unit to the radionuclide imaging. Nakamura M, et al.
Tohoku J Exp Med 110:69-80, May 73

[Experimental studies on the physiological-chemical behavior of metals and their influence on adjoining tissues] Wósko I, et al.
Beitr Orthop Traumatol 20:35-9, Jan 73 (Ger)

[Possibilities of using bone fat as a component for ointment bases and ointments. 4. Use of mathematical methods for experiment planning in studies of W-O emusion ointment bases] Draganova L, et al.
Pharmazie 28:388-91, Jun 73 (Ger)

[Evaluation of 99mTc sodium polyphosphate complex as a bone seeking agent] Nakamura M, et al.
Nippon Acta Radiol 33:134-7, Feb 73 (Eng. Abstr.) (Jap)

ABNORMALITIES

Precocious type of osteodysplasia. A new autosomal recessive form. Kozlowski K, et al.
Acta Radiol [Diagn] (Stockh) 14:171-6, Mar 73

Teratology studies on food colourings. II. Embryotoxicity of R salt and metabolites of amaranth (FD and C Red no. 2) in rats. Collins TF, et al.
Food Cosmet Toxicol 11:355-60, Jun 73

Megepiphyseal dwarfism. Gorlin RJ, et al.
J Pediatr 83:633-5, Oct 73

Malformation syndromes in human genetic disease. Nyhan WL. **Plast Reconstr Surg** 52:237-45, Sep 73

Appendicular skeletal and visceral malformations induced by thalidomide in bonnet monkeys. Hendrickx AG, et al. **Teratology** 7:151-9, Apr 73

[Cranio-metaphysial dysplasia. 2 cases of the dominant form] Guibaud P, et al.
Pediatrie 28:149-61, Mar 73 (Fre)

[Case of os priapi] Marzęcki Z.
Pol Przegl Radiol 37:395-7, May-Jun 73 (Eng. Abstr.) (Pol)

ANALYSIS

Pregnancy and fluorine in hard tissues. A preliminary report. Alvesalo L, et al.
Acta Odontol Scand 31:71-4, 1973

The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972

An automated method for continuous-flow analysis of radioactivity applicable to the study of collagen crosslinks. Eyre DR. **Anal Biochem** 54:619-23, Aug 73

210Pb and 210Po content in air, water, foodstuffs, and the human body. Ladinskaya LA, et al.
Arch Environ Health 27:254-8, Oct 73

Bone collagen metabolism in vitamin D deficiency. Barnes MJ, et al. **Biochem J** 132:113-5, Jan 73

Increased lysine hydroxylation in rat bone and tendon collagen and localization of the additional residues. Stoltz M, et al.
Biochim Biophys Acta 310:461-8, 15 Jun 73

The problems of the composition and structure of the mineral components of the hard tissues. Elliott JC.
Clin Orthop 93:313-45, Jun 73 (185 ref.)

The metacarpal bone: a comparison of the various indices for the assessment of the amount of bone and for the detection of loss of bone. Morgan DB.
Clin Radiol 24:77-82, Jan 73

Bone mineral on the molecular level. Posner AS.
Fed Proc 32:1933-7, Sep 73 (47 ref.)

Chelated trace minerals for G-F swine. Owen AA, et al.
J Anim Sci 37:95-103, Jul 73

The effects of mechanical vibration on bone development in the rat. Jankovich JP.
J Biomech 5:241-50, May 72

Chronic lead nephropathy. Emmerson BT.
Kidney Int 4:1-5, Jul 73

New aspects in the investigation of some processes of biomineralization. Veres I, et al.
Mikroskopie 29:151-6, Jul 73

[Radiological determination of mineral equivalents in bone. 3. A universally available exact mineral-equivalent measuring device for the determination of decalcification processes in finger bones] Gebhardt M, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:574-8, May 73 (Eng. Abstr.) (Ger)

[Effect of the biological value of dietary proteins on phospholipids in bones] Dargel D, et al.
Nahrung 17:517-25, 1973 (Eng. Abstr.) (Ger)

[Heparin-induced osteopathy in animal experiments--a model for osteoporosis? Influence of heparin on the concentrations of hydroxyapatite, citrate, and hydroxyproline in the bones of rats of various ages. I] Hähnel H, et al. **Z Alternsforsch** 27:71-5, 1973 (Ger)

[Aging of the bone--changes in collagen in the senile osteoporotic bone] Hayashi Y, et al.
Jap J Geriatr 10:185-90, May 73 (Eng. Abstr.) (Jap)

[Effect of a ultra high-frequency electromagnetic field on the level of metals and metalloproteins in animal organs and tissues] Mints SM, et al.
Biol Neonate 110:46-9, 1973 (Rus)

[Distribution and biological activity of californium-252] Zalikin GA, et al.
Radiobiologiia 12:894-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

One sided dominance in the hindlimbs of rabbits as evidenced by asymmetry in muscle and bone weight. Pande BS. **Anat Anz** 133:363-6, 1973

The effects of geometric feedback in the development of osteoporosis. Martin RB. **J Biomech** 5:447-55, Sep 72

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al.
J Nutr 103:1187-94, Aug 73

Accurate reproduction of bone specimens. Dransfield BS. **Med Biol Illus** 23:90-3, May 73

[Old and recent problems of skeleton histophysiology in the scientific work of Pierre Lacroix] (Lacroix P), Amprino R.
Acta Orthop Belg 39:379-92, Mar-Apr 73 (Fre)

[Modifications in the long bone structure by various housing systems for fattening chickens] Rodenhoff G, et al.
Berl Munch Tieraerztl Wochenschr 86:230-3 contd, 15 Jun 73 (Ger)

BLOOD SUPPLY

Response of bone to mechanical stimuli changes in blood supply of compact bone during intermittent mechanical loading. Heft J, et al.
Physiol Bohemoslov 21:265-72, May 72

Resorptive arthropathy and the opera-glass hand syndrome. Swezey RL, et al.
Semin Arthritis Rheum 2:191-244, 1972-73 (216 ref.)

, Aneurysmatic cyst of the bone] Witwicki T, et al.
Wiad Lek 26:1035-9, 1 Jun 73 (20 ref.) **(Pol)**

CYTOLOGY

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
The diagnostic importance of histological biopsy of the bone-marrow in hematological diseases. Stieglitz R, et al. **Helv Med Acta** 37:25-9, 1973
The effect of movement on the bonding of porous metal to bone. Cameron HU, et al.
J Biomed Mater Res 7:301-11, Jul 73

DRUG EFFECTS

Reaction of bovine and ovine pituitary growth hormones with tetranitromethane. Glaser CB, et al.
Biochemistry 12:3379-87, 28 Aug 73
Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al.
J Nutr 103:1187-94, Aug 73
Dietary phosphorus, PTH, and bone resorption.
Nutr Rev 31:124-6, Apr 73 (11 ref.)
Effect of the biological value of dietary proteins on phospholipids in bones] Dargel D, et al.
Nahrung 17:517-25, 1973 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The relative osteo-neural growth: a concept of normal and pathological (teratogenic) skeletal morphogenesis. Roth M.
Gegenbaurs Morphol Jahrb 119:250-74, 1973

ENZYMOLOGY

Plasma calcium, magnesium, phosphorus, and alkaline phosphatase levels in normal British schoolchildren. Round JM. **Br Med J** 3:137-40, 21 Jul 73
Ribonuclease and deoxyribonuclease activities in zinc-deficient tissues. Prasad AS, et al.
J Lab Clin Med 82:461-6, Sep 73
Effects of dietary zinc on zinc enzymes in the rat. Huber AM, et al. **J Nutr** 103:1175-81, Aug 73
Vitamin-D deficiency in Asians at home and in Britain. Hodgkin P, et al. **Lancet** 2:167-71, Jul 73
Influence of calcitonin on bone phosphatases and phosphate release in organ culture. Messer HH, et al.
Proc Soc Exp Biol Med 143:690-2, Jul 73
Determination of alkaline phosphatase isoenzymes in the definition of the clinical stage of Hodgkin's disease] Lauria F, et al.
Haematologica (Pavia) 57:543-6, 1972 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

The effects of supplements varying in carotene and calcium content on the physical, biochemical and skeletal status of preschool children. Rajalakshmi R, et al. **Br J Nutr** 30:77-86, Jul 73
Changes in skeletal proportions of the rat in response to hypoxic stress. Hunter C, et al.
J Anat 114:201-19, Feb 73

IMMUNOLOGY

Effects of immune environments upon bone in vitro. I. Cytotoxicity of antibodies to bone homogenates. Vezeman FH, et al. **Clin Orthop** 93:297-306, Jun 73
Cytotoxicity of human lymphotoxin for tumor and normal human tissue cells in vitro. Weedon DD, et al.
Mayo Clin Proc 48:556-9, Aug 73

METABOLISM

Neopathy in hyperthyroidism--a study of 47 calcium kinetics and quantitative histology of bone. Montz R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:146, 1973
The biological component of the orthopaedic troika with particular reference to scoliosis. Burwell RG.
Acta Orthop Belg 39:444-59, Mar-Apr 73
The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972
Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)
The re-incorporation in calcified tissues of tetracycline released following its deposition in the bone of rats. Steward DJ. **Arch Oral Biol** 18:759-64, Jun 73
Bone collagen metabolism in vitamin D deficiency. Barnes MJ, et al. **Biochem J** 132:113-5, Jan 73
Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium. Denis G, et al.
Can J Physiol Pharmacol 51:539-48, Jul 73
Metacarpal cortical measurements. Gryfe CI.
Can Med Assoc J 107:601 passim, 7 Oct 72
New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)
The effect of anticonvulsant drugs in vitro on bone calcium mobilization by parathyroid hormone. Jenkins MV, et al. **Clin Sci** 45:1P-2P, Jul 73
Vitamin D and intestinal transport of calcium: effects of prednisolone. Lukert BP, et al.
Endocrinology 93:718-22, Sep 73
Dynamics of absorption rates, endogenous excretion, tissue turnover, and homeostatic control mechanisms of zinc, cadmium, manganese, and nickel in ruminants. Miller WJ. **Fed Proc** 32:1915-20, Aug 73
Mechanisms of bone resorption in laying hens. Mueller WJ, et al. **Fed Proc** 32:1951-4, Sep 73
Bone mineral on the molecular level. Posner AS.
Fed Proc 32:1933-7, Sep 73 (47 ref.)
Effect of insulin on tissue calcium. Ghosh D, et al.
Indian J Med Sci 26:294-7, May 72
Distribution of 241Am in the rat as influenced by dose and the pH of the injection solution. Seidel A.
Int J Appl Radiat Isot 24:362-3, Jun 73
Tin-117m: production, chemistry and evaluation as a bone-scanning agent. Yano Y, et al.
Int J Appl Radiat Isot 24:319-25, Jun 73
Influence of riboflavin on fluoride metabolism in the rat. Stookey GK. **J Dent Res** 52:843, Jul-Aug 73
Effect of dietary factors on cesium 137 retention in the rat. Wolsieffer JR, et al. **J Dent Res** 52:844, Jul-Aug 73
Protein metabolism in vivo in kidney, liver, muscle, and heart of potassium-deficient rats. Gustafson AB, et al.
J Lab Clin Med 82:287-96, Aug 73
Comparative toxicity and pharmacodynamics of ionic indium chloride and hydrated indium oxide. Castronovo FP Jr, et al. **J Nucl Med** 14:677-82, Sep 73
Polyphosphates: a chemical analysis of average chain length and the relationship to bone deposition in rats. King AG, et al. **J Nucl Med** 14:695-8, Sep 73
99m Tc-polyphosphate: histological localization in human femurs by autoradiography. Tilden RL, et al.
J Nucl Med 14:576-8, Aug 73
Availability of magnesium: balance studies in rats with various inorganic magnesium salts. Cook DA.
J Nutr 103:1365-70, Sep 73
Influence of fluoride intake on reproduction in mice. Messer HH, et al. **J Nutr** 103:1319-26, Sep 73
Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al.
J Nutr 103:1187-94, Aug 73
Observations on the nature and production of proteins in the intercellular matrices of connective tissues. Little K. **J Pathol** 110:1-12, May 73
Effects of DTPA on the excretion and tissue distribution of 144Ce administered subcutaneously, intramuscularly and intravenously in rats. Takada K, et al. **J Radiat Res (Tokyo)** 14:187-97, Jun 73
Ultraviolet deprivation. **Lancet** 1:1294-5, 9 Jun 73
Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)
Dietary phosphorus, PTH, and bone resorption.
Nutr Rev 31:124-6, Apr 73 (11 ref.)
Influence of calcitonin on bone phosphatases and phosphate release in organ culture. Messer HH, et al.
Proc Soc Exp Biol Med 143:690-2, Jul 73
Fluoride metabolism in uremia. Nielsen E, et al.
Trans Am Soc Artif Intern Organs 19:450-5, 1973
[Histochemistry of lipids in compact human bone] Haumont S, et al.
Acta Orthop Belg 39:460-70, Mar-Apr 73 (Eng. Abstr.) **(Fre)**
[Study of the variation in uptake of strontium 85 at the level of the main skeletal segments] Robillard J, et al.
Pathol Biol (Paris) 21:587-92, Jun 73 (Eng. Abstr.) **(Fre)**
[Action of cariogenic diet on fixation and retention of skeleton and teeth strontium in rats] Mechin JC, et al.
Rev Odontostomatol (Paris) 20:55-9, Jan-Feb 73 **(Fre)**

[The local kinetics of 87m Sr in joint diseases in comparison with the results of 113M In] Büll U, et al. **Fortschr Geb Roentgenstr Nuklearmed** 119:91-100, Jul 73 (Eng. Abstr.) **(Ger)**

[Biological behavior of radio-technetium, radio-indium and radio-gallium during lactation] Hör G, et al. **Int J Appl Radiat Isot** 24:525-9, Sep 73 (Eng. Abstr.) **(Ger)**

[Is the treatment of senile osteoporosis justified?] Krokowski E. **Med Klin** 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ger)**

[Physiopathological findings in the cosmonauts of the Apollo 14 space mission] Lomonaco T. **Minerva Med** 63:2151-8, 1972 (Eng. Abstr.) **(Ita)**

[Experimental studies on absorption, excretion, distribution and metabolism of 3',4' dideoxykanamycin B. 1. Absorption, excretion, distribution and metabolism in rats] Komiya I, et al. **Jap J Antibiot** 26:49-54, Feb 73 **(Jap)**

[Evaluation of 99mTc sodium polyphosphate complex as a bone seeking agent] Nakamura M, et al. **Nippon Acta Radiol** 33:134-7, Feb 73 (Eng. Abstr.) **(Jap)**

PATHOLOGY

Histomorphometric investigation of cancellous bone in acromegaly. Delling G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:101, 1973

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al. **Am J Phys Med** 52:75-91, Apr 73 (64 ref.)

Polyostotic fibrous dysplasia associated with Cushing syndrome. Benjamin DR, et al. **Arch Pathol** 96:175-8, Sep 73

Nemaline myopathy. A family study with three autopsied cases. Neustein HB. **Arch Pathol** 96:192-5, Sep 73

Effects of immune environments upon bone in vitro. I. Cytotoxicity of antibodies to bone homogenates. Wezeman FH, et al. **Clin Orthop** 93:297-306, Jun 73

Total body calcium and long-term calcium balance in chronic renal disease. Denney JD, et al. **J Lab Clin Med** 82:226-40, Aug 73

Protein metabolism in vivo in kidney, liver, muscle, and heart of potassium-deficient rats. Gustafson AB, et al. **J Lab Clin Med** 82:287-96, Aug 73

Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al. **Pediatrics** 52:364-71, Sep 73

[Diabetes and bone structures] Syllaba J. **Fysiatr Reumatol Vestn** 51:248-51, Aug 73 **(Cze)**

[Studies on hemodialysis. II. Histopathological findings] Mitsuhashi S, et al. **Jap J Urol** 64:217-30, Mar 73 (Eng. Abstr.) **(Jap)**

[Aneurysmatic cyst of the bone] Witwicki T, et al. **Wiad Lek** 26:1035-9, 1 Jun 73 (20 ref.) **(Pol)**

PHYSIOLOGY

The ultimate properties of bone tissue: the effects of yielding. Burstein AH, et al. **J Biomech** 5:35-44, Jan 72

Implantation of strain gages on bone in vivo. Cochran GV. **J Biomech** 5:119-23, Jan 72

Mechanical factors influencing the holding power of screws in compact bone. Uhthoff HK. **J Bone Joint Surg [Br]** 55:633-9, Aug 73

[Old and recent problems of skeleton histophysiology in the scientific work of Pierre Lacroix] (Lacroix P), Amprino R. **Acta Orthop Belg** 39:379-92, Mar-Apr 73 **(Fre)**

PHYSIOPATHOLOGY

Colour television and bone density. Dickson RA. **J Physiol (Lond)** 231:85P, Jun 73

RADIATION EFFECTS

Photon interaction processes--their relative importance in bone and muscle. Buchan RC. **Radiography** 38:319-22, Dec 72

[Accumulation of Sr90 in the developing fetus] Borisov BK. **Gig Sanit** 38:49-52, Apr 73 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. **Br J Radiol** 46:695-8, Sep 73

Radiologic evaluation of soft tissue tumors. A retrospective study. Martel W, et al. **Cancer** 32:352-66, Aug 73

Cherubism. Wowern N von. **Int J Oral Surg** 1:240-9, 1972

Photon interaction processes--their relative importance in bone and muscle. Buchan RC. **Radiography** 38:319-22, Dec 72

Radiological findings in Niemann-Pick disease. Lachman R, et al. **Radiology** 108:659-64, Sep 73

Improved optical magnification for fine-detail radiography. Mall JC, et al. **Radiology** 108:707-8, Sep 73

Joint changes in Whipple's disease. LeVine ME, et al. **Semin Arthritis Rheum** 3:79-93, 1973 (36 ref.)

[Neutron radiography in medical research] Reijonen H, et al. **Duodecim** 89:538-42, 1973 (Eng. Abstr.) **(Fin)**

[Observations on the directly enlarged x-ray picture in pathology of the skeleton. Radiophysical, experimental, and clinical study] Miciutia M, et al. **Radiol Diagn (Berl)** 14:355-63, 1973 (Eng. Abstr.) **(Fre)**

[Radiodiagnosis of skeletal changes in the Ellis-van-Creveld syndrome during the growth period. (Analysis of the literature and report of 2 personal observations)] Bützler HO, et al. **Fortschr Geb Roentgenstr Nuklearmed** 118:537-52, May 73 (Eng. Abstr.) **(Ger)**

[Tumour induced, non-specific cortical reactions] Dihlmann W, et al. **Fortschr Geb Roentgenstr Nuklearmed** 119:64-74, Jul 73 (Eng. Abstr.) **(Ger)**

[Roentgenologic signs of disturbed calcium metabolism in dialysis patients. I. Frequency of roentgenologic skeletal changes] Ritz E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 119:52-63, Jul 73 (Eng. Abstr.) **(Ger)**

[Is the treatment of senile osteoporosis justified?] Krokowski E. **Med Klin** 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ger)**

[Radiodiagnosis of the skeletal system. Early diagnosis of rheumatic diseases] Döpper T. **Med Welt** 24:771-6, 11 May 73 **(Ger)**

[Technic of bone structure analysis in the roentgen image] Radke J, et al. **Z Orthop** 111:330-2, Jun 73 (Eng. Abstr.) **(Ger)**

[State of the bone system in congenital dysfunction of the adrenal cortex] Kozlov GI, et al. **Probl Endokrinol (Mosk)** 19:28-31, May-Jun 73 (Eng. Abstr.) **(Rus)**

SECRETION

Secretion of avian ultimobrachial calcitonin in organ culture. Reinblatt JD, et al. **Endocrinology** 93:277-84, Aug 73

SURGERY

Medical and surgical applications of collagen. Chvapil M, et al. **Int Rev Connect Tissue Res** 6:1-61, 1973 (253 ref.)

CALCIFICATION, PHYSIOLOGIC

Angiographic diagnosis of inflammatory disease of the pancreas. Tylén U, et al. **Acta Radiol [Diagn] (Stockh)** 14:215-40, Mar 73

The re-incorporation in calcified tissues of tetracycline released following its deposition in the bone of rats. Steward DJ. **Arch Oral Biol** 18:759-64, Jun 73

Dynamic changes in acid mucopolysaccharides during mineralization of the mandibular condylar cartilage. Silbermann M, et al. **Histochemie** 36:185-92, 1973

Calcospheritic calcification of cartilage. MacConaill MA. **J Anat** 115:23-7, May 73

Calcification of a lysozyme-inositol phosphatide complex in vitro. Vogel JJ, et al. **Proc Soc Exp Biol Med** 143:677-80, Jul 73

[Epiphysial development and calcification of the basal layer of articular cartilage] Balmain-Oligo N, et al. **Pathol Biol (Paris)** 21:611-21, Jun 73 (Eng. Abstr.) **(Fre)**

[Low calcification zone of the dental enamel] Ozawa Y. **J Jap Stomatol Soc** 40:42, Mar 73 **(Jap)**

[Effects of nutrition and infections on bone development of children in a rural area of Guatemala] Salomón JB, et al. **Arch Latinoam Nutr** 22:417-49, Sep 72 (Eng. Abstr.) **(Spa)**

CALCIUM

METABOLISM

Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rats. Hehrmann R, et al.
Acta Endocrinol (Kbh) 73:489-98, Jul 73

The role of thyroid hormones in the mechanism of intestinal calcium absorption. Jentsch E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:145, 1973

Osteopathy in hyperthyroidism--a study of 47 calcium kinetics and quantitative histology of bone. Montz R, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:146, 1973

Effect of fructose and other sugars on islet function in vitro. Hager D, et al.
Acta Med Scand [Suppl] 542:159-64, 1972

The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972

Effects of ionic concentration on permeability properties of nodal membrane in myelinated nerve fibres of Xenopus laevis. Potential clamp experiments. Brismar T.
Acta Physiol Scand 87:474-84, Apr 73

Role of cyclic AMP and Ca++ in metabolic and mechanical events in smooth muscle. Andersson R, et al. **Adv Cyclic Nucleotide Res** 1:213-29, 1972

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)

Drug therapy of heart disease in pediatric patients. II. The treatment of congestive heart failure in infants and children with digitalis preparations. Rutkowski MM, et al. **Am Heart J** 86:270-5, Aug 73

Effects of ischemia on the contractile processes of heart muscle. Katz AM.
Am J Cardiol 32:456-60, 20 Sep 73 (29 ref.)

Abnormal biochemistry in myocardial failure. Schwartz A, et al. **Am J Cardiol** 32:407-22, 20 Sep 73 (86 ref.)

Oxalate metabolism. II. Hagler L, et al.
Am J Clin Nutr 26:882-9, Aug 73 (115 ref.)

Cyclic AMP in digestive physiology. Levine RA.
Am J Clin Nutr 26:876-81, Aug 73 (43 ref.)

Hypoparathyroidism in pregnancy. Bolen JW.
Am J Obstet Gynecol 117:178-9, 15 Sep 73

Adrenal corticosteroid-induced renal cystic disease in the newborn hamster. Filmer RB, et al.
Am J Pathol 72:461-72, Sep 73

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)

Effect of lanthanum on isoproterenol-induced activation of myocardial phosphorylase. Bockman EL, et al. **Am J Physiol** 225:438-43, Aug 73

Active secretion of calcium by adult rat ileum and jejunum in vitro. Walling MW, et al.
Am J Physiol 225:415-22, Aug 73

Adaptive uptake of calcium at the duodenal brush border. Walling MW, et al.
Am J Physiol 225:618-23, Sep 73

Anesthetic effects on transport across cell membranes. Andersen NB, et al.
Anesthesiology 39:126-52, Aug 73 (227 ref.)

Multiple mechanisms of action of halothane and methoxyflurane on force of contraction of isolated rat atria. Ko KC, et al. **Anesthesiology** 39:278-84, Sep 73

Inhalation anesthetics and myocardial metabolism: possible mechanisms of functional effects. Merin RG.
Anesthesiology 39:216-55, Aug 73 (221 ref.)

Hypercalcemia and myeloma. Goldsmith RE.
Ann Intern Med 79:289, Aug 73

The exchange of phospholipids between subcellular organelles of the liver. Kamath SA, et al.
Arch Biochem Biophys 158:312-22, Sep 73

Studies on calciferol metabolism. VII. The effects of actinomycin D and cycloheximide on the metabolism, tissue and subcellular localization, and action of vitamin D3. Tsai HC, et al.
Arch Biochem Biophys 152:339-47, Aug 73

Changes in the fatty acid composition of sarcoplasmic reticulum lipids and calcium uptake activity. Tume RK, et al. **Arch Biochem Biophys** 152:485-90, Aug 73

Effects of diphenylhydantoin on smooth muscle. Ferrari M, et al.
Arch Int Pharmacodyn Ther 203:101-6, May 73

Use of porcine calcitonin in osteoporosis. Melick RA, et al. **Aust NZ J Med** 3:285-9, Jun 73

Effect of chloropromazine on 3H-phenazine methosulfate uptake into various regions of rat brain and into subcellular fractions of brain and liver (in vitro). Palmer DS, et al.
Biochem Pharmacol 22:1677-80, 1 Jul 73

Cation movements and respiratory response in yeast mitochondria treated with high Ca2+ concentrations. Balcavage WX, et al.
Biochim Biophys Acta 305:41-51, 27 Apr 73

The effect of phosphoenolpyruvate on calcium transport by mitochondria. Chudapongse P, et al.
Biochim Biophys Acta 307:599-606, 25 May 73

Sodium-dependent calcium influx in dialyzed barnacle muscle fibers. Dipolo R.
Biochim Biophys Acta 298:279-83, 16 Mar 73

Calcium transport by rabbit skeletal muscle microsomes ("fragmented sarcoplasmic reticulum"). Katz AM, et al.
Biochim Biophys Acta 298:270-8, 16 Mar 73

The effects of n-alcohols on sarcoplasmic reticulum vesicles. Kondo M, et al.
Biochim Biophys Acta 311:391-9, 6 Jul 73

ATP and Ca2+ binding by the Ca2+ pump protein of sarcoplasmic reticulum. Meissner G.
Biochim Biophys Acta 298:906-26, 16 Apr 73

Isolation of sarcoplasmic reticulum by zonal centrifugation and purification of Ca 2+ -pump and Ca 2+ -binding proteins. Meissner G, et al.
Biochim Biophys Acta 298:246-69, 16 Mar 73

A calcium-stimulated, ouabain-inhibited ATPase in a myocardial fraction enriched with sarcolemma. Stam AC Jr, et al.
Biochim Biophys Acta 298:927-31, 16 Apr 73

Spontaneous gelatinization of sarcoplasmic proteins of skeletal and smooth muscles and possible relation of this phenomenon to developmental mechanism of plastic tonus. Ivanov II, et al.
Biorheology 10:7-16, Mar 73

Effect of verapamil on ventricular contraction. Nayler WG. **Br Heart J** 35:864, Aug 73

Effects of angiotensin, catecholamines and cyclic AMP on calcium storage in aortic microsomes. Baudouin-Legros M, et al.
Br J Pharmacol 47:377-85, Feb 73

Effect of phospholipase C on calcium release from epithelia treated with antidiuretic hormone. Cuthbert AW, et al. **Br J Pharmacol** 47:778-81, Apr 73

Uptake kinetics and ion requirements for extraneuronal uptake of noradrenaline by arterial smooth muscle and collagen. Gillespie JS, et al.
Br J Pharmacol 47:556-67, Mar 73

Specificity of adenosine on transmitter output at the neuromuscular junction. Ginsborg BL, et al.
Br J Pharmacol 47:637P, Mar 73

The ionic composition of aortic smooth muscle from A.S.-hypertensive rats. Massingham R, et al.
Br J Pharmacol 47:422-4, Feb 73

Mineral nutrition and production disease in dairy cows. Sansom BF. **Br Vet J** 129:207-20, May-Jun 73 (17 ref.)

Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium. Denis G, et al.
Can J Physiol Pharmacol 51:539-48, Jul 73

Effect of cocaine on Na channel in toad skin. Grin J, et al. **Can J Physiol Pharmacol** 51:516-22, Jul 73

Mechanism of potentiation of vascular responses by tetraethylammonium: a novel form of sensitization. Kalsner S. **Can J Physiol Pharmacol** 51:451-7, Jun 73

Some effects of caffeine and quinidine on sarcoplasmic reticulum of skeletal and cardiac muscle. Thorpe WR.
Can J Physiol Pharmacol 51:499-503, Jul 73

Thymic changes in the magnesium-depleted rat. Alcock NW, et al. **Cancer Res** 33:2196-204, Sep 73

Cardiac myofibrillar ATPase and electrophoretic pattern in experimental heart failure produced by a two-step mechanical overloading in the rat. Berson G, et al. **Cardiovasc Res** 7:464-9, Jul 73

Excitation-contraction coupling in heart. IX. Changes in the intracellular stores of calcium in failing hearts due to lack of substrate and oxygen. Tomlinson CW, et al. **Cardiovasc Res** 7:470-6, Jul 73

Mechanisms for the abnormal energetics of pressure-induced hypertrophy of cat myocardium. Cooper G 4th, et al. **Circ Res** 33:213-23, Aug 73

Effect of medium chain triglyceride on fecal calcium losses in pancreatic insufficiency. Harrison JE, et al.
Clin Biochem 6:136-40, Jun 73

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)

The control on intestinal calcium absorption in

accelerated and retarded growth. Adams PH, et al. **Clin Sci** 44:4P passim, Feb 73

The effect of anticonvulsant drugs in vitro on bone calcium mobilization by parathyroid hormone. Jenkins MV, et al. **Clin Sci** 45:1P-2P, Jul 73

Chronic renal failure. Pullman TN, et al. **Clin Symp** 25:2-32, 1973

Seasonal changes in the liver mineral content of Coregonus nasus (Pallas), Sensu Svärdson, in the Bay of Bothnia. Hyvärinen H, et al. **Comp Biochem Physiol [B]** 45:875-81, 15 Aug 73

Nucleotides and organophosphates of cardiac, fast and slow muscles of chick during development. Radha E, et al. **Comp Biochem Physiol [B]** 45:847-65, 15 Aug 73

Estimates and estimation errors of hormone secretion, transport and disposal rates in the maternal-fetal system. DiStefano JJ 3d, et al. **Endocrinology** 93:324-42, Aug 73

Vitamin D and intestinal transport of calcium: effects of prednisolone. Lukert BP, et al. **Endocrinology** 93:718-22, Sep 73

Excitation-contraction coupling in heart. XII. Subcellular calcium transport in isoproterenol-induced myocardial necrosis. Varley KG, et al. **Exp Mol Pathol** 19:94-105, Aug 73

Phospholipid-calcium complexes in experimental tumors. Anghileri LJ. **Experientia** 28:1086-7, 15 Sep 72

Protection by nicergoline from the catecholamine-induced impairment of oxidative phosphorylation in the rat heart. Moretti A, et al. **Farmaco [Sci]** 27:800-7, Sep 72

The effect of 2-phenylindolone on phosphate transport in liver mitochondria. Hooper M, et al. **FEBS Lett** 33:297-300, 15 Jul 73

Involvement of N1-oxide derivatives of adenine nucleotides in the reactions of the oxidative phosphorylation. Kezdi M, et al. **FEBS Lett** 33:33-6, 15 Jun 73

The requirements of anions for transport of calcium in rat duodenum. Wrobel J, et al. **FEBS Lett** 29:121-3, 15 Jan 73

Calcium metabolism at the cellular level. Borle AB. **Fed Proc** 32:1944-50, Sep 73

Calcium and magnesium transport in single cells. Brinley FJ Jr. **Fed Proc** 32:1735-9, Jul 73 (16 ref.)

Dynamics of mineral elements in the digestive tract of ruminants. Cragle RG. **Fed Proc** 32:1910-4, Aug 73

Mechanisms of bone resorption in laying hens. Mueller WJ, et al. **Fed Proc** 32:1951-4, Sep 73

Aspects of mitochondrial function in calcium movement and calcification. Schraer R, et al. **Fed Proc** 32:1938-43, Sep 73

Stimulation of lipolysis and calcium accumulation by parathyroid hormone in rat adipose tissue in vitro after adrenalectomy and administration of high doses of cortisone acetate. Werner S, et al. **Horm Metab Res** 5:292-6, Jul 73

Effect of insulin on tissue calcium. Ghosh D, et al. **Indian J Med Sci** 26:294-7, May 72

Effect of cycloheximide on L-leucine transport by Penicillium chrysogenum: involvement of calcium. Hunter DR, et al. **J Bacteriol** 114:956-60, Jun 73

Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. **J Biol Chem** 248:6180-6, 10 Sep 73

Embryonic chick intestine in organ culture. A unique system for the study of the intestinal calcium absorptive mechanism. Corradino RA. **J Cell Biol** 58:64-78, Jul 73

The effect of extracellular calcium and magnesium on the proliferation of murine lymphoblasts. Brennan JK, et al. **J Cell Physiol** 82:101-12, Aug 73

Characteristics of calcium accumulation by lymphocytes and alterations in the process induced by phytohemagglutinin. Whitney RB, et al. **J Cell Physiol** 82:9-20, Aug 73

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al. **J Clin Endocrinol Metab** 37:220-9, Aug 73

Sodium-independent active potassium reabsorption in proximal tubule of the dog. Beck LH, et al. **J Clin Invest** 52:2641-5, Oct 73

Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. **J Clin Invest** 52:1680-5, Jul 73

Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats. Pavlovitch H, et al. **J Clin Invest** 52:2656-9, Oct 73

Liver enzyme induction by anticonvulsant drugs, and its relationship to disturbed calcium and folic ac metabolism. Latham AN, et al. **J Clin Pharmacol** 13:337-42, Aug-Sep 73

Tetrodotoxin desensitization in aggregates of embryonic chick heart cells. McDonald TF, et **J Gen Physiol** 62:286-302, Sep 73

Total body calcium and long-term calcium balance chronic renal disease. Denney JD, et al. **J Lab Clin Med** 82:226-40, Aug 73

Restorative effects of cyclic AMP on comple bioelectric activities of cultured fetal rodent C tissues after acute CA++ deprivation. Crain SM, et **J Neurobiol** 4:321-42, 1973

Cation uptake by intact nuclei from rat cerebral cort Haljamäe H, et al. **J Neurochem** 20:1747-51, Jun

Availability of magnesium: balance studies in rats w various inorganic magnesium salts. Cook DA. **J Nutr** 103:1365-70, Sep 73

The in-vitro detection of the calcium-mobilisi properties of mammary carcinoma. Powles TJ, et **J Pathol** 109:piv, Jan 73

Vitamin D-dependent rickets in institutionalize mentally retarded children receiving long-ter anticonvulsant therapy. I. A survey of 288 patien Lifshitz F, et al. **J Pediatr** 83:612-20, Oct

Release of dipicolinic acid and calcium and activation Bacillus stearothermophilus spores as a function time, temperature and pH. Brown MR, et **J Pharm Pharmacol** 25:478-83, Jun 73

On the question of subclassification of -adrenocepto Janis RA, et al. **J Pharm Pharmacol** 25:263-4, Mar

Studies on the loss of acetylcholine sensitivity in li muscle. Joiner PD. **J Pharmacol Exp Ther** 186:552-61, Sep 73

Sites of action of Lilly 18947 in skeletal mus Suarez-Kurtz G, et al. **J Pharmacol Exp Ther** 186:373-84, Aug 73

Blockade of quinine-induced contracture and 4 efflux by procaine and tetracaine in frog sartori muscle. Suarez-Kurtz G, et al. **J Pharmacol Exp Ther** 186:562-8, Sep 73

The role of inorganic ions in ion exchange processes the cholinergic receptor of voluntary muscle. Tay DB. **J Pharmacol Exp Ther** 186:537-51, Sep

Evaluation of electrical pulses and elevated levels potassium ions as stimulants of adenosine 3 5'-monophosphate (cyclic AMP) accumulation guinea-pig brain. Zanella J Jr, et al. **J Pharmacol Exp Ther** 186:241-52, Aug 73

Effects on the isolated neurohypophysis of age which affect the membrane permeability to calciu Dreifuss JJ, et al. **J Physiol (Lond)** 231:96P-98P, Jun

The effect of divalent cations on angiotensin stimulation of fluid transport by rat colon. Munc KA, et al. **J Physiol (Lond)** 232:89P-91P, Jul

Bone resorption and prosthodontics. Fenton **J Prosthet Dent** 29:477-83, May 73 (32 ref.)

Quantitative aspects of drug-receptor interactions. The role of Ca2+men in desensitization anc spasmolytic activity. Chang KJ, et al. **J Theor Biol** 40:155-72, Jul 73

Quantitative aspects of drug-receptor interactions Ca2+ and cholinergic receptor activation in smo muscle: a basic model for drug-receptor interactio Chang KJ, et al. **J Theor Biol** 40:125-54, Jul

Study of exchange reaction between phospholipid-b and free base: incorporation of L-serine int phospholipid and decarboxylation of phosphatidylserine. Taki T, et al. **Jap J Exp Med** 43:219-24, Jun 73

Effects of caffeine on tension development in papillary muscle under voltage clamp. Oba **Jap J Physiol** 23:47-58, Feb 73

Oxalosis as a complication of chronic renal failu Salyer WR, et al. **Kidney Int** 4:61-6, Jul 7

The effect of vincristine on the calcium transport phospholipid composition of rat skeletal mus microsomes. Yasin R, et al. **Lab Invest** 29:207-15, Aug 73

1-Alpha-hydroxycholecalciferol as a substitute for kidney hormone 1,25-dihydroxycholecalciferol chronic renal failure. Chalmers TM, et al. **Lancet** 2:896-9, 29 Sep 73

Effect of chapattis and ultraviolet irradiation nutritional rickets in an Indian immigrant. Dent CE al. **Lancet** 1:1282-4, 9 Jun 73

Hypercalcaemia after oral calcium-carbonate ther in patients on chronic haemodialysis. Ginsburg DS al. **Lancet** 1:1271-4, 9 Jun 73

ffects of adrenergic neurotransmitters on the uterus. Marshall JM. **Muscle Biol** 1:119-46, 1972
nergetics of contraction. Mommaerts WF. **Muscle Biol** 1:1-12, 1972
quilibrium dialysis of ions in nystatin-treated red cells. Cass A, et al. **Nature [New Biol]** 244:47-9, 11 Jul 73
hyrotoxic periodic paralysis. Function of sarcoplasmic reticulum and muscle glycogen. Takagi A, et al. **Neurology (Minneap)** 23:1008-16, Sep 73
itamin K and prothrombin synthesis. Suttie JW. **Nutr Rev** 31:105-9, Apr 73 (18 ref.)
ontrol of vitamin D metabolism. **Nutr Rev** 31:187-8, Jun 73 (6 ref.)
nfluence of (H+) on 42K-exchange in sartorius muscle treated with barium or 9-aminoacridine. Volle RL, et al. **Pfluegers Arch** 337:241-56, 1972
ffect of chronic renal failure on inactivation of parathormone by rat kidney tissue slices. Broulik PD, et al. **Physiol Bohemoslov** 21:239-42, May 72
ecretion of growth hormone in the rat. Howell SL. **Postgrad Med J** 49:Suppl 1:127-31, Feb 73
a2+ transport by mitochondria from L1210 mouse ascites tumor cells. Reynafarje B, et al. **Proc Natl Acad Sci USA** 70:1744-8, Jun 73
n additional low molecular weight subunit in purified preparations of myosin from hypertrophied myocardium. Henry PD, et al. **Proc Soc Exp Biol Med** 143:746-9, Jul 73
fluence of calcitonin on bone phosphatases and phosphate release in organ culture. Messer HH, et al. **Proc Soc Exp Biol Med** 143:690-2, Jul 73
lcium balance in chronic renal failure. A study using n vivo neutron activation analysis. Hosking DJ, et al. **J Med** 42:467-79, Jul 73
udies on the toxicity and absorption of a new chelate f aluminum and calcium. Villela GG, et al. **Rev Bras Pesqui Med Biol** 6:165-9, May-Aug 73
icate cement in a cell culture system. Helgeland K, et l. **Scand J Dent Res** 81:251-9, 1973
multaneous measurement of electrical polarization nd electrolyte transport by the entire normal and nflamed human colon during in vivo perfusion. ask-Madsen J. **Scand J Gastroenterol** 8:327-36, 1973
e calcium concentration in pancreatic secretion in hronic pancreatitis and carcinoma of the pancreas. Warwick RR, et al. **Scand J Gastroenterol** 8:301-5, 1973
estinal calcium transport: stimulation by low hosphorus diets. Tanaka Y, et al. **Science** 181:564-6, 10 Aug 73
ercise for the aging. Goldner LJ. **South Med J** 66:857-8, Aug 73
lation of naphthazarin from walnut "onigurumi" and s inhibitory action on oxidative phosphorylation in itochondria. Ota A, et al. **Toxicon** 11:235-41, Apr 73
icroanalysis of calcium and phosphorus in the disk of apes affected by otosclerosis] Přívara M, et al. **Cesk Otolaryngol** 22:214-7, Aug 73 (Eng. Abstr.) **(Cze)**
n changes in cerebral tissue, cerebrospinal fluid and asma after intracerebral administration of ouabain chick embryos] Sedláček J. **Cesk Lek** 75:276-88, Sep 73 (Eng. Abstr.) **(Cze)**
etabolic findings in patients with urate phrolithiasis] Revúsová V, et al. **Vnitr Lek** 19:744-9, Aug 73 (Eng. Abstr.) **(Cze)**
teogenesis, osteocytic activity and calcitonin] riez J, et al. **Acta Orthop Belg** 39:471-8, Mar-Apr 73 **(Fre)**
udy of low-affinity Ca2+ binding by rat liver inner d outer mitochondrial membrane and rough and ooth endoplasmic reticulum] Toury R. **Biochim Biophys Acta** 307:607-12, 25 May 73 (Eng. bstr.) **(Fre)**
lationship between the presence of endogenous ntoses in the intestine and the effect of rbohydrates on calcium absorption] Fournier P, et **C R Acad Sci [D] (Paris)** 276:1581-4, 5 Mar 73 **(Fre)**
bertal decompensation of spasmophilia] Klotz HP, al. **Bull Actuels Endocrinol Nutr** 16:305-11, 3 May 73 **(Fre)**
tion of cariogenic diet on fixation and retention of eleton and teeth strontium in rats] Mechin JC, et al. **Rev Odontostomatol (Paris)** 20:55-9, Jan-Feb 73 **(Fre)**
odenal physiology] Coulbois J, et al. **Rev Prat** 23:1857-65, 11 Apr 73 (Eng. Abstr.) **(Fre)**
anges in the mineral status due to suxamethonium] nter C, et al. **Anaesthesist** 22:227-31, May 73 (Eng. Abstr.) **(Ger)**
iations in the eosionophil count, glucose, free fatty acids, calcium and magnesium contents of sheep blood within the period of one day, and effects of various hormones on them (ACTH, prednisolone, adrenaline)] Kolb E, et al. **Arch Exp Veterinaermed** 27:165-83, 1973 (Eng. Abstr.) **(Ger)**

[Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O. **Klin Wochenschr** 51:567-9, 1 Jun 73 (Eng. Abstr.) **(Ger)**

[Is the treatment of senile osteoporosis justified?] Krokowski E. **Med Klin** 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ger)**

[Anatomy of the epithelium. Analysis of transport through the proximal kidney tubule] Ullrich KJ. **Naturwissenschaften** 60:290-7, Jun 73 (68 ref.) (Eng. Abstr.) **(Ger)**

[Mechanism of calcium absorption in uremia] Caspary WF, et al. **Verh Dtsch Ges Inn Med** 78:1450-3, 1972 **(Ger)**

[Vitamine D3 and 25-hydroxycholecalciferol therapy in renal osteopathy: influence on serum calcium, phosphate, calcium phosphate products and on intestinal calcium absorption] Henning HV, et al. **Verh Dtsch Ges Inn Med** 78:1446-8, 1972 **(Ger)**

[Relations between excretory pancreas function and calcium metabolism in man] Hotz J, et al. **Verh Dtsch Ges Inn Med** 78:1420-3, 1972 **(Ger)**

[Different behavior of magnesium, calcium, potassium and sodium in the serum, myocardial and skeletal muscle in hereditary cardiomyopathy] Lossnitzer K, et al. **Verh Dtsch Ges Inn Med** 78:1059-63, 1972 **(Ger)**

[Possibilities of pharmacological prevention of oxalate calculi] Terhorst B, et al. **Z Urol Nephrol** 65:815-25, Nov 72 **(Ger)**

[Potentiation of heart muscle contraction produced by stimuli which were not followed by contraction] Zamboni P, et al. **Arch Sci Biol (Bologna)** 56:41-9, Jan-Mar 73 (Eng. Abstr.) **(Ita)**

[Metabolic effects of calcitonin in man] Caniggia A, et al. **Minerva Med** 64:2249-58, 1973 (Eng. Abstr.) **(Ita)**

[Mechanisms of lens transparency and opacification in the light of colloidal dimension] Iwata S. **Acta Soc Ophthalmol Jap** 77:141-58, 1973 (Eng. Abstr.) **(Jap)**

[Parathyroid gland] Fujita T. **Clin Endocrinol (Tokyo)** 21:475-9, May 73 (25 ref.) **(Jap)**

[Mode of action of spasmogens (K, acetylcholine, Ba) and relaxants (isoproterenol, papaverine, Mg) on the rat's excised jejunum, especially in relation to Ca] Mori T. **Folia Pharmacol Jap** 69:1-17, Jan 73 (Eng. Abstr.) **(Jap)**

[Physiological significance of alkaline phosphatase] Sasaki T. **J Jap Stomatol Soc** 40:43, Mar 73 **(Jap)**

[Secondary hyperparathyroidism in the course of uremia] Matusik J. **Patol Pol** 24:333-8, Apr-Jun 73 (Eng. Abstr.) **(Pol)**

[Influence of parathyroid glands on calcium and phosphorus metabolism in hereditary hypophosphatemia] Kucharska K, et al. **Pediatr Pol** 48:875-9, Jul 73 **(Pol)**

[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A. **Pol Arch Med Wewn** 50:831-6, Aug 73 **(Pol)**

[Calcium and phosphorus metabolism disorders in cardiovascular and skeletal pathology (on the basis of findings from the literature)] Lebedev DD. **Pediatriia** 51:70-5, Oct 72 **(Rus)**

[Phosphorus-calcium metabolism in a young steer infested with flukes] Shtun' FA, et al. **Veterinariia** 1:57, Jan 72 **(Rus)**

[The osteopathy of hemochromatosis. Clinical and biological study] Sabando P, et al. **Rev Clin Esp** 129:545-50, 30 Jun 73 (Eng. Abstr.) **(Spa)**

[The mechanism of the effect of serotonin on the calcium ion metabolism in subcellular fractions of uterus muscle] Tereshchenko OF, et al. **Ukr Biokhim Zh** 44:736-9, 1972 (Eng. Abstr.) **(Ukr)**

CHOLECALCIFEROL

[Physiology and metabolism of cholecalciferol] Wilczek H, et al. **Cas Lek Cesk** 112:853-5, 1973 (Eng. Abstr.) **(Cze)**

PARATHYROID AND BONE

ADMINISTRATION & DOSAGE

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al. **J Nutr** 103:1187-94, Aug 73

[Studies on the prevention of milk fever in dairy cattle by oral administration of vitamin D3] Hof G, et al. **Tijdschr Diergeneeskd** 98:840-52, 15 Sep 73 (Eng. Abstr.) **(Dut)**

[Continuous prevention of rickets] Wolf H. **Med Monatsschr** 27:261-5, Jun 73 **(Ger)**

ADVERSE EFFECTS

[Studies on the prevention of milk fever in dairy cattle by oral administration of vitamin D3] Hof G, et al. **Tijdschr Diergeneeskd** 98:840-52, 15 Sep 73 (Eng. Abstr.) **(Dut)**

ANALYSIS

The identification and semi-quantitative assay of some fat-soluble vitamins and antioxidants in pharmaceutical products and animal feeds by thin-layer chromatography. Johnson GW, et al. **Analyst** 98:257-67, Apr 73

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al. **J Nutr** 103:1187-94, Aug 73

BIOSYNTHESIS

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73

Ultraviolet deprivation. **Lancet** 1:1294-5, 9 Jun 73

METABOLISM

Studies on calciferol metabolism. VII. The effects of actinomycin D and cycloheximide on the metabolism, tissue and subcellular localization, and action of vitamin D3. Tsai HC, et al. **Arch Biochem Biophys** 152:339-47, Aug 73

Bone collagen metabolism in vitamin D deficiency. Barnes MJ, et al. **Biochem J** 132:113-5, Jan 73

The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al. **Clin Sci** 44:4P-5P, Feb 73

Vitamin D and intestinal transport of calcium: effects of prednisolone. Lukert BP, et al. **Endocrinology** 93:718-22, Sep 73

[Physiology and metabolism of cholecalciferol] Wilczek H, et al. **Cas Lek Cesk** 112:853-5, 1973 (Eng. Abstr.) **(Cze)**

[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A. **Pol Arch Med Wewn** 50:831-6, Aug 73 **(Pol)**

PHARMACODYNAMICS

Embryonic chick intestine in organ culture. A unique system for the study of the intestinal calcium absorptive mechanism. Corradino RA. **J Cell Biol** 58:64-78, Jul 73

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al. **J Nutr** 103:1187-94, Aug 73

PHYSIOLOGY

[Physiology and metabolism of cholecalciferol] Wilczek H, et al. **Cas Lek Cesk** 112:853-5, 1973 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. Tsai HC, et al. **J Biol Chem** 248:5967-75, 10 Sep 73

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al. **J Nutr** 103:1187-94, Aug 73

[Studies on the prevention of milk fever in dairy cattle by oral administration of vitamin D3] Hof G, et al. **Tijdschr Diergeneeskd** 98:840-52, 15 Sep 73 (Eng. Abstr.) **(Dut)**

[Continuous prevention of rickets] Wolf H. **Med Monatsschr** 27:261-5, Jun 73 **(Ger)**

DIHYDROTACHYSTEROL

Stimulation and suppression of fetal parathyroid glands. Morphometric ultrastructural investigation Altenähr E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:165, 1973

THERAPEUTIC USE

[Pubertal decompensation of spasmophilia] Klotz HP et al. **Probl Actuels Endocrinol Nutr** 16:305-11, 3 May 7 **(Fre)**

[Pseudohypoparathyroidism. Case report on a 27-year-old man with hypochromic anemia and alopecia] Corea L, et al. **Folia Endocrinol (Roma)** 25:347-63, Oct 72 (Eng Abstr.) **(Ita)**

ERGOCALCIFEROL

ADMINISTRATION & DOSAGE

Effect of single large doses of oral calcium on serun calcium levels in the young and the elderly. Epstein S et al. **Metabolism** 22:1163-73, Sep 73

ANALYSIS

The identification and semi-quantitative assay of som fat-soluble vitamins and antioxidants in pharmaceutical products and animal feeds by thin-layer chromatography. Johnson GW, et al. **Analyst** 98:257-67, Apr 73

[A chemical method of determining vitamin D2 i biological objects] Iugina AD. **Lab Delo** 9:551-2, 1972 **(Rus)**

METABOLISM

1-Alpha-hydroxycholecalciferol as a substitute for th kidney hormone 1,25-dihydroxycholecalciferol in chronic renal failure. Chalmers TM, et al. **Lancet** 2:696-9, 29 Sep 73

PHARMACODYNAMICS

Effect of single large doses of oral calcium on serun calcium levels in the young and the elderly. Epstein S et al. **Metabolism** 22:1163-73, Sep 73

THERAPEUTIC USE

Neonatal rickets in Asian immigrant population. For JA, et al. **Br Med J** 3:211-2, 28 Jul 73

1-Alpha-hydroxycholecalciferol as a substitute for th kidney hormone 1,25-dihydroxycholecalciferol in chronic renal failure. Chalmers TM, et al. **Lancet** 2:696-9, 29 Sep 73

HYDROXYCHOLECALCIFEROL

Familial hypophosphatemia: the dilemma of treatment Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 7

ADMINISTRATION & DOSAGE

Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats. Pavlovitch H, et al. **J Clin Invest** 52:2656-9, Oct 7

25-Hydroxycholecalciferol (25-OHD3). I. Treatment fo parturient paresis. Olson WG, et al. **J Dairy Sci** 56:885-8, Jul 73

25-Hydroxycholecalciferol (25-OHD3). II. Efficacy o parenteral administration in prevention of parturien paresis. Olson WG, et al. **J Dairy Sci** 56:889-95, Jul 7

Intestinal calcium transport: stimulation by low phosphorus diets. Tanaka Y, et al. **Science** 181:564-6, 10 Aug 73

BIOSYNTHESIS

New ideas on vitamin D. DeLuca HG. **Br Med J** 2:662, 16 Jun 73

Parathyroid hormone and vitamin D. I. Effect o parathyroid hormone on the 1-hydroxylase enzym system. Galante L, et al. **Clin Sci** 44:3P passim, Feb 7

The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al. **Clin Sci** 44:4P-5P, Feb 73

Parathyroid hormone and vitamin D. II. Effect of electrolytes and peptide hormones and the synthesis of 1,25-DHCC by isolated kidney tubules. Larkins R, et al. **Clin Sci** 44:3P passim, Feb 73

Regulation of vitamin-D metabolism without parathyroid hormone. Larkins RG, et al. **Lancet** 2:289-91, 11 Aug 73

BLOOD

Effect of oral vitamin D, 25-hydroxycholecalciferol (25-HCC) and whole-body ultra-violet irradiation on plasma 25-HCC levels in man. Stamp TC, et al. **Clin Sci** 44:3P-4P passim, Feb 73

Vitamin D and intestinal transport of calcium: effects of prednisolone. Lukert BP, et al. **Endocrinology** 93:718-22, Sep 73

Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D von, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:435-40, 26 Jul 73

Intestinal calcium transport: stimulation by low phosphorus diets. Tanaka Y, et al. **Science** 181:564-6, 10 Aug 73

METABOLISM

Studies on calciferol metabolism. VII. The effects of actinomycin D and cycloheximide on the metabolism, tissue and subcellular localization, and action of vitamin D3. Tsai HC, et al. **Arch Biochem Biophys** 152:339-47, Aug 73

Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. Tsai HC, et al. **J Biol Chem** 248:5967-75, 10 Sep 73

Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D von, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:435-40, 26 Jul 73

Intestinal calcium transport: stimulation by low phosphorus diets. Tanaka Y, et al. **Science** 181:564-6, 10 Aug 73

Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A. **Pol Arch Med Wewn** 50:831-6, Aug 73 **(Pol)**

PHARMACODYNAMICS

Stimulation of (3H)uridine incorporation into nuclear RNA of rat kidney by vitamin D metabolites. Chen TC, et al. **Arch Biochem Biophys** 156:321-7, May 73

Effect of oral vitamin D, 25-hydroxycholecalciferol (25-HCC) and whole-body ultra-violet irradiation on plasma 25-HCC levels in man. Stamp TC, et al. **Clin Sci** 44:3P-4P passim, Feb 73

Embryonic chick intestine in organ culture. A unique system for the study of the intestinal calcium absorptive mechanism. Corradino RA. **J Cell Biol** 58:64-78, Jul 73

Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. Favus MJ, et al. **J Clin Invest** 52:1680-5, Jul 73

Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats. Slovitch H, et al. **J Clin Invest** 52:2656-9, Oct 73

PHYSIOLOGY

Vitamin D and intestinal transport of calcium: effects of prednisolone. Lukert BP, et al. **Endocrinology** 93:718-22, Sep 73

THERAPEUTIC USE

25-hydroxycholecalciferol (25-OHD3). I. Treatment for parturient paresis. Olson WG, et al. **J Dairy Sci** 56:885-8, Jul 73

25-hydroxycholecalciferol (25-OHD3). II. Efficacy of enteral administration in prevention of parturient paresis. Olson WG, et al. **J Dairy Sci** 56:889-95, Jul 73

Actions of 1,25-dihydroxycholecalciferol in patients with hypophosphatemic, vitamin-D-resistant rickets. Brickman AS, et al. **N Engl J Med** 289:495-8, 6 Sep 73

Familial hypophosphatemia: the dilemma of treatment. Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73

[Hyperphosphoremia states in hemodialysed patients with chronic renal insufficiency] Duchatelle P, et al. **Lille Med** 18:116-24, Feb 73 **(Fre)**

[Vitamine D3 and 25-hydroxycholecalciferol therapy in renal osteopathy: influence on serum calcium, phosphate, calcium phosphate products and on intestinal calcium absorption] Henning HV, et al. **Verh Dtsch Ges Inn Med** 78:1446-8, 1972 **(Ger)**

HYPERCALCEMIA

[Effect of norepinephrine and orciprenaline on blood pressure in increased extracellular hydrogen and calcium ion concentrations] Mühlen K aus der. **Arch Int Pharmacodyn Ther** 203:164-74, May 73 (Eng. Abstr.) **(Ger)**

BLOOD

Primary hyperparathyroidism. Current diagnosis, treatment, and results. Irvin GL 3d, et al. **Arch Surg** 105:738-40, Nov 72

Hypercalcaemia after oral calcium-carbonate therapy in patients on chronic haemodialysis. Ginsburg DS, et al. **Lancet** 1:1271-4, 9 Jun 73

CHEMICALLY INDUCED

Hypercalcaemia after oral calcium-carbonate therapy in patients on chronic haemodialysis. Ginsburg DS, et al. **Lancet** 1:1271-4, 9 Jun 73

Effect of single large doses of oral calcium on serum calcium levels in the young and the elderly. Epstein S, et al. **Metabolism** 22:1163-73, Sep 73

Electrolyte disturbances resulting from diuretic therapy. Martinez-Maldonado M. **Tex Med** 69:83-7, Jul 73

Paraneoplastic syndromes. A clinically relevant concept in cancer. Lawrence W Jr, et al. **Va Med Mon** 100:738-49, Aug 73

[Hypercalcemia and thiazides] Wolf LM, et al. **Sem Hop Paris** 49:1239-42, 8 Apr 73 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Supravalvar aortic stenosis. Martin EC, et al. **Br Heart J** 35:758-65, Jul 73

Hypercalcemia during the diuretic phase of acute renal failure. Wilson R, et al. **Med Ann DC** 42:327-30, Jul 73

Mithramycin (mithracin). **Med Lett Drugs Ther** 12:86-7, 16 Oct 73

Pseudogout. Rubinstein HM, et al. **Semin Arthritis Rheum** 2:259-80, 1972-73 (85 ref.)

[Manifestations of the hypercalcemic syndrome] Ryckewaert A, et al. **Sem Hop Paris** 49:1731-8, 20 May 73 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Normal fluoride 18 bone scans in metastatic bone disease. Becker FO, et al. **JAMA** 225:628-9, 6 Aug 73

[Manifestations of the hypercalcemic syndrome] Ryckewaert A, et al. **Sem Hop Paris** 49:1731-8, 20 May 73 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Steroid-responsive hypercalcemia in disseminated bone tuberculosis. Braman SS, et al. **Arch Intern Med** 132:269-71, Aug 73

Salmon calcitonin is effective in combating hypercalcemia. Silva OL, et al. **Geriatrics** 28:178 passim, Oct 73

Mithramycin (mithracin). **Med Lett Drugs Ther** 12:86-7, 16 Oct 73

Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al. **N Engl J Med** 289:398-401, 23 Aug 73

Successful treatment of hypercalcemia by indomethacin in mice bearing a prostaglandin-producing fibrosarcoma. Tashjian AH Jr, et al. **Prostaglandins** 3:515-24, Apr 73

[New diuretics in pediatrics] Richard P. **Pediatrie** 28:343-7, Apr-May 73 (10 ref.) **(Fre)**

[Mithramycin in the treatment of hypercalcemia and Paget's disease] Eisinger J, et al.

Rev Rhum Mal Osteoartic 40:457-60, Jun 73 (Eng. Abstr.) (Fre)
[C-cells of thyroid gland and calcitonin] Meng W. Z Aerztl Fortbild (Jena) 67:545-7, Jun 73 (Ger)
[Therapeutic indications for calcitonin. Experimental examination in some pathologic conditions] Perraro F, et al.
Folia Endocrinol (Roma) 25:411-23, Oct 72 (Eng. Abstr.) (Ita)
[Calcitonin. Physiology; therapeutic importance] Merceron RE. Minerva Med 64:2147-67, 2 Jun 73 (Ita)

ENZYMOLOGY

Hypercalcaemia after oral calcium-carbonate therapy in patients on chronic haemodialysis. Ginsburg DS, et al. Lancet 1:1271-4, 9 Jun 73

ETIOLOGY

Myelofibrosis, osteolytic bone lesions and hypercalcemia in chronic myeloid leukemia. Licht A, et al. Acta Haematol (Basel) 49:182-9, 1973
Steroid-responsive hypercalcemia in disseminated bone tuberculosis. Braman SS, et al.
Arch Intern Med 132:269-71, Aug 73
Thymic changes in the magnesium-depleted rat. Alcock NW, et al. Cancer Res 33:2196-204, Sep 73
Salmon calcitonin is effective in combating hypercalcemia. Silva OL, et al.
Geriatrics 28:178 passim, Oct 73
Hypercalcaemia in Addison's disease. Garcia-Webb P, et al. Med J Aust 1:863-4, 28 Apr 73
Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al.
N Engl J Med 289:398-401, 23 Aug 73
Carcinoma of the vulva producing hypercalcemia. Nichols CE, et al. Obstet Gynecol 42:58-61, Jul 73
[Disappearance of the peripheral pulses during anuria manifesting acute lymphoblastic leukemia. Regression under peritoneal dialysis] Baglin A, et al.
Nouv Presse Med 2:2047-8, 8 Sep 73 (Eng. Abstr.) (Fre)
[Pancreatic cancer with parathormone secretion. 2 new cases] Deplante JP, et al.
Sem Hop Paris 49:2289-99, 10 Jul 73 (Eng. Abstr.) (Fre)
[Manifestations of the hypercalcemic syndrome] Ryckewaert A, et al.
Sem Hop Paris 49:1731-8, 20 May 73 (Eng. Abstr.) (Fre)
[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) (Ger)
[Hypercalcemia and kidney failure as early symptoms of acute leukemias] Fröhlich D, et al.
Verh Dtsch Ges Inn Med 78:117-20, 1972 (Ger)

FAMILIAL & GENETIC

[The syndrome of supravalvular aortic stenosis, mental retardation and peculiar facies] Alsac J, et al.
Arch Mal Coeur 66:765-73, Jun 73 (Eng. Abstr.) (Fre)

METABOLISM

Hypercalcemia and myeloma. Goldsmith RE.
Ann Intern Med 79:289, Aug 73
[Calcium and phosphorus metabolism disorders in cardiovascular and skeletal pathology (on the basis of findings from the literature)] Lebedev DD.
Pediatriia 51:70-5, Oct 72 (Rus)

PATHOLOGY

Stimulation and suppression of fetal parathyroid glands. Morphometric ultrastructural investigation. Altenähr E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:165, 1973
Idiopathic non-arteriosclerotic cerebral calcification (Fahr's disease)--a case report. Seth HN, et al.
Indian J Pathol Bacteriol 15:47-51, Apr 72

PHYSIOPATHOLOGY

Hypercalcemia during the diuretic phase of acute renal failure. Wilson R, et al. Med Ann DC 42:327-30, Jul 73

THERAPY

Hypercalcemia after renal transplantation. Long-term follow-up data. David DS, et al.
N Engl J Med 289:398-401, 23 Aug 73
[Ectopic paraneoplastic endocrinopathies associate with water-electrolyte balance disorders] Hayduk K et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (En Abstr.) (Ger

URINE

[Effect of calcium gluconate infusions on urinar sodium, potassium and calcium in patients wit hypercalciuria and hyperparathyrodidism] Schwill PO, et al.
Urologe [A] 12:158-61, Jul 73 (Eng. Abstr.) (Ge

OSTEOGENESIS IMPERFECTA

BLOOD

The thrombopathic syndrome. Ulutin ON.
Rev Bras Pesqui Med Biol 6:83-91, Jan-Apr

DRUG THERAPY

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)

OSTEOMALACIA

[Osteomalacia: new aspects of pathogenesis an treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (En Abstr.) (Fr

CHEMICALLY INDUCED

Anticonvulsants and vitamin D metabolism. Aponte C et al. JAMA 225:1248, 3 Sep 73
[Severe osteomalacic rickets induced by antiepilept drugs. Literature review apropos of a case] Slomic et al.
Ann Radiol (Paris) 16:431-5, 1973 (Eng. Abstr.) (Fr
[Osteomalacia: new aspects of pathogenesis an treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (En Abstr.) (Fr

COMPLICATIONS

Pseudofractures resembling stress fractures in Punjabi immigrants with osteomalacia. Simpson W, al. Clin Radiol 24:83-9, Jan 73
Osteomalacia in elderly patients with fracture of t femoral neck. A clinico-pathological study. Jenki DH, et al. J Bone Joint Surg [Br] 55:575-80, Aug
Bone pain. Andrews FM. Rep Rheum Dis 49:1-2, Feb
[Pathogenesis of primary osteonecrosis of the femo head. Hypothesis of the subchondral fatigue fractur Vignon G, et al.
Nouv Presse Med 2:1751-3, 30 Jun 73 (Fr

DIAGNOSIS

Pseudofractures resembling stress fractures in Punjabi immigrants with osteomalacia. Simpson W, al. Clin Radiol 24:83-9, Jan 73
Osteomalacia in elderly patients with fracture of t femoral neck. A clinico-pathological study. Jenki DH, et al. J Bone Joint Surg [Br] 55:575-80, Aug
[Research on the pathogenesis of aseptic necrosis the femoral head. Evaluation of the constitutio bony factors in 35 cases of iliac crest biopsy] Laure J, et al.
Nouv Presse Med 2:1755-60, 30 Jun 73 (Eng. Abst (F

DRUG THERAPY

Calcium balance in chronic renal failure. A study usi in vivo neutron activation analysis. Hosking DJ, et
Q J Med 42:467-79, Jul 73
[Osteomalacia: new aspects of pathogenesis a treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (E Abstr.) (F

PARATHYROID AND BONE

ETIOLOGY

Bedouin osteomalacia due to calcium deprivation caused by high phytic acid content of unleavened bread. Berlyne GM, et al.
Am J Clin Nutr 26:910-1, Sep 73

Bone disease in end-stage renal failure. Ellis HA.
Br Med J 3:232-3, 28 Jul 73

Quantitative estimation of bone mass in Africans with particular reference to bone changes in chronic pancreatic disease. Owor R.
East Afr Med J 49:860-7, Nov 72

Total body calcium and long-term calcium balance in chronic renal disease. Denney JD, et al.
J Lab Clin Med 82:226-40, Aug 73

Vitamin-D deficiency osteomalacia in Asians. Vaishnava H, et al. **Lancet** 2:621-2, 15 Sep 73

Evolution of bone lesions in repeated hemodialysis] Meyrier A, et al.
Ann Med Interne (Paris) 124:85-90, Feb 73 **(Fre)**

A case of osteomalacia due to lactose intolerance with bilateral osteonecrosis of the femoral heads] May V, et al. **Rev Rhum Mal Osteoartic** 40:439-42, Jun 73 **(Fre)**

Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Gardner's syndrome: report of a case. Rosten M.
Australas J Dermatol 13:124-6, Dec 72

Rare digestive-tract polyposes] Malafosse M.
Rev Prat 23:2297-8 passim, 1 May 73 (Eng. Abstr.) **(Fre)**

Gardner's syndrome. Radiography and clinical contribution] Stauch GW, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:603-5, May 73 **(Ger)**

METABOLISM

Anticonvulsants and vitamin D metabolism. Aponte CJ, et al. **JAMA** 225:1248, 3 Sep 73

Calcium balance in chronic renal failure. A study using in vivo neutron activation analysis. Hosking DJ, et al.
Q J Med 42:467-79, Jul 73

Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Vitamin-D deficiency in Asians at home and in Britain. Hodgkin P, et al. **Lancet** 2:167-71, Jul 73

PATHOLOGY

Osteomalacia in elderly patients with fracture of the femoral neck. A clinico-pathological study. Jenkins PH, et al. **J Bone Joint Surg [Br]** 55:575-80, Aug 73

Research on the pathogenesis of aseptic necrosis of the femoral head. Evaluation of the constitutional pony factors in 35 cases of iliac crest biopsy] Laurent et al.
Nouv Presse Med 2:1755-60, 30 Jun 73 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Pseudofractures resembling stress fractures in punjabi immigrants with osteomalacia. Simpson W, et al. **Clin Radiol** 24:83-9, Jan 73

Roentgenologic signs of disturbed calcium metabolism in dialysis patients. I. Frequency of roentgenologic skeletal changes] Ritz E, et al.
Fortschr Geb Roentgenstr Nuklearmed 119:52-63, Jul (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Ultraviolet deprivation. **Lancet** 1:1294-5, 9 Jun 73

OSTEOPETROSIS

COMPLICATIONS

Osteopetrosis with arteritis: Case report and review of the literature. Foca FJ, et al.
Arch Phys Med Rehabil 54:370-2, Aug 73

ETIOLOGY

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)

OSTEOPOROSIS

The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972

[Osteoporoses. Introduction] Franchimont P.
Rev Med Liege 28:489, 15 Jul 73 **(Fre)**

[Osteoporotic states] Lecomte J.
Rev Med Liege 28:489-92, 15 Jul 73 **(Fre)**

[Unusual vertebral manifestation of ankylosing spondylarthritis] Raymond G, et al.
Union Med Can 101:896-9, May 72 (Eng. Abstr.) **(Fre)**

BLOOD

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al.
Endocrinol Jap 19:571-7, Dec 72

[Plasma calcitonin activity in some rarifying bone diseases] Tamburino G, et al.
Minerva Med 64:2305-8, 1973 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Osteoporosis and long-term corticosteroid therapy. Hosking DJ, et al. **Br Med J** 3:125-7, 21 Jul 73

Osteoporosis and long-term corticosteroid therapy. McConkey B. **Br Med J** 3:498, 1 Sep 73

Temporal arteritis: improvement in visual prognosis and management with repeat biopsies. Cohen DN.
Trans Am Acad Ophthalmol Otolaryngol 77:op74-85, Jan-Feb 73

[Heparin-induced osteopathy in animal experiments--a model for osteoporosis? Influence of heparin on the concentrations of hydroxyapatite, citrate, and hydroxyproline in the bones of rats of various ages. I] Hähnel H, et al. **Z Alternsforsch** 27:71-5, 1973 **(Ger)**

CLASSIFICATION

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)

COMPLICATIONS

Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis. Fujita T, et al.
Endocrinol Jap 19:571-7, Dec 72

Extramedullary plasmocytoma. Gönczi J, et al.
Haematologia (Budap) 7:61-8, 1973

Bone pain. Andrews FM. **Rep Rheum Dis** 49:1-2, Feb 73

[Hyperthyrocalcitoninemia in idiopathic hemochromatosis] Pawlotsky Y, et al.
Nouv Presse Med 2:1793, 30 Jun 73 **(Fre)**

[Pathogenesis of primary osteonecrosis of the femoral head. Hypothesis of the subchondral fatigue fracture] Vignon G, et al.
Nouv Presse Med 2:1751-3, 30 Jun 73 **(Fre)**

[Clinical exploration and differential diagnosis of osteoporosis] Denis F.
Rev Med Liege 28:492-7, 15 Jul 73 **(Fre)**

[Clinical and x-ray characteristics of vertebral fractures in hormonal spondylopathy] Evdokimova VM, et al.
Vestn Rentgenol Radiol 48:12-5, May-Jun 73 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)

[Cranio-metaphysial dysplasia. 2 cases of the dominant form] Guibaud P, et al.
Pediatrie 28:149-61, Mar 73 **(Fre)**

[Clinical exploration and differential diagnosis of

osteoporosis] Denis F.
Rev Med Liege 28:492-7, 15 Jul 73 **(Fre)**
[Osteoporoses. Introduction] Franchimont P.
Rev Med Liege 28:489, 15 Jul 73 **(Fre)**
[Radiological manifestations of osteoporosis] Leroux GF. **Rev Med Liege** 28:497-501, 15 Jul 73 **(Fre)**
[Calcium and phosphate loading test for the diagnosis of primary hyperparathyroidism] Meffert O.
Klin Wochenschr 51:567-9, 1 Jun 73 (Eng. Abstr.) **(Ger)**
[Differential diagnosis of neurogenic arthropathies] Reinhardt K. **Radiologe** 13:227-30, Jun 73 **(Ger)**
[Diagnosis and treatment of climacteric osteopathies] Bukhman AI.
Probl Endokrinol (Mosk) 19:36-40, May-Jun 73 (Eng. Abstr.) **(Rus)**
[The osteopathy of hemochromatosis. Clinical and biological study] Sabando P, et al.
Rev Clin Esp 129:545-50, 30 Jun 73 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Use of porcine calcitonin in osteoporosis. Melick RA, et al. **Aust NZ J Med** 3:285-9, Jun 73
[Common osteoporosis. Apropos of treatment with calcitonin] Kuntz D, et al.
Nouv Presse Med 2:1862, 7 Jul 73 **(Fre)**
[Treatment of osteoporosis] Franchimont P.
Rev Med Liege 28:502-4, 15 Jul 73 **(Fre)**
[Sodium fluoride in geriatric osteoporosis] Kuhlencordt F.
Dtsch Med Wochenschr 98:1241, 15 Jun 72 **(Ger)**
[Is the treatment of senile osteoporosis justified?] Krokowski E.
Med Klin 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ger)**
[Drug therapy in osteoporosis using fluoride] Eggert A, et al. **Ther Ggw** 112:564 passim, Apr 73 **(Ger)**
[Therapeutic indications for calcitonin. Experimental examination in some pathologic conditions] Perraro F, et al.
Folia Endocrinol (Roma) 25:411-23, Oct 72 (Eng. Abstr.) **(Ita)**
[Metabolic effects of calcitonin in man] Caniggia A, et al. **Minerva Med** 64:2249-58, 1973 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

[Alkaline phosphatase activity in granulocytes in the aged] Wagner E.
Orv Hetil 114:1864 passim, 5 Aug 73 **(Hun)**

ETIOLOGY

The antagonistic effect of parathyroid hormone (PTH) and estrogens on bone remodelling in ovariectomized rats. Schulz A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973
The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972
Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)
Radiological signs of bone loss in hyperthyroidism. Koutras DA, et al. **Br J Radiol** 46:695-8, Sep 73
Bone disease in end-stage renal failure. Ellis HA.
Br Med J 3:232-3, 28 Jul 73
Osteoporosis and long-term corticosteroid therapy. Hosking DJ, et al. **Br Med J** 3:125-7, 21 Jul 73
Bilateral patellar metastases from carcinoma of the male breast. Keeley CD. **Can J Surg** 16:328-9, Sep 73
Quantitative estimation of bone mass in Africans with particular reference to bone changes in chronic pancreatic disease. Owor R.
East Afr Med J 49:860-7, Nov 72
The effects of geometric feedback in the development of osteoporosis. Martin RB. **J Biomech** 5:447-55, Sep 72
Dietary phosphorus, PTH, and bone resorption.
Nutr Rev 31:124-6, Apr 73 (11 ref.)
On the problem of "rib-within-a-rib" appearance in thalassemia intermedia. Aksoy M, et al.
Radiol Clin Biol 42:126-33, 1973
[Mechanism of bone destruction] Dhem A.
Acta Orthop Belg 39:423-43, Mar-Apr 73 (Eng. Abstr.) **(Fre)**
[Electrotherapy of osteo-articular disorders due to injury] Dumoulin J, et al.
Electrodiagn Ther 10:18-26, 1973 **(Fre)**
[Clinical exploration and differential diagnosis of osteoporosis] Denis F.
Rev Med Liege 28:492-7, 15 Jul 73 **(Fre**
[Treatment of osteoporosis] Franchimont P.
Rev Med Liege 28:502-4, 15 Jul 73 **(Fre**
[Osteoporotic states] Lecomte J.
Rev Med Liege 28:489-92, 15 Jul 73 **(Fre**
[Radiological changes in the early stages of spina myeloma] Swiderski G, et al.
Beitr Orthop Traumatol 19:623-8, Nov 72 **(Ger**
[Diagnosis and treatment of climacteric osteopathies Bukhman AI.
Probl Endokrinol (Mosk) 19:36-40, May-Jun 73 (Eng Abstr.) **(Rus**
[The osteopathy of hemochromatosis. Clinical an biological study] Sabando P, et al.
Rev Clin Esp 129:545-50, 30 Jun 73 (Eng. Abstr.) **(Spa**

METABOLISM

The reversibility of disuse osteoporosis. Experiments studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 197
Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)
Use of porcine calcitonin in osteoporosis. Melick RA, e al. **Aust NZ J Med** 3:285-9, Jun 73
85Sr retention in Japanese after a single administration. Uchiyama M, et al.
J Radiat Res (Tokyo) 14:169-79, Jun 73
[Aging of the bone--changes in collagen in the senil osteoporotic bone] Hayashi Y, et al.
Jap J Geriatr 10:185-90, May 73 (Eng. Abstr.) **(Jap**
[The osteopathy of hemochromatosis. Clinical an biological study] Sabando P, et al.
Rev Clin Esp 129:545-50, 30 Jun 73 (Eng. Abstr.) **(Spa**
[Collagen metabolism in human osteoporosis] Chiud I
Reumatizam 20:95-8, 1973 **(Cro**

PATHOLOGY

The reversibility of disuse osteoporosis. Experiment studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 19
Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)
[Common osteoporosis. Apropos of treatment wit calcitonin] Kuntz D, et al.
Nouv Presse Med 2:1862, 7 Jul 73 **(Fr**

PHYSIOPATHOLOGY

The reversibility of disuse osteoporosis. Experiment studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 19
Colour television and bone density. Dickson R.
J Physiol (Lond) 231:85P, Jun 73

PREVENTION & CONTROL

[Is the treatment of senile osteoporosis justified Krokowski E.
Med Klin 68:1155-60, 7 Sep 73 (Eng. Abstr.) **(Ge**

RADIOGRAPHY

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)
The relationship between periodontal disease and metacarpal bone index. Phillips HB, et al.
Br Dent J 134:237-9, 20 Mar 73
Radiological signs of bone loss in hyperthyroidis Koutras DA, et al. **Br J Radiol** 46:695-8, Sep
The metacarpal bone: a comparison of the vario indices for the assessment of the amount of bone a for the detection of loss of bone. Morgan D
Clin Radiol 24:77-82, Jan 73
Radiographic studies of amyloidosis. Pear BL.
CRC Crit Rev Radiol Sci 3:425-52, 1972 (85 re
[Radiological manifestations of osteoporosis] Lero GF. **Rev Med Liege** 28:497-501, 15 Jul 73 **(Fr**
[Radiological changes in the early stages of spi myeloma] Swiderski G, et al.
Beitr Orthop Traumatol 19:623-8, Nov 72 **(Ge**
[X-ray semeiotics of hyperparathyroid osteodystrophy] Shotemor Sh, et al.
Vestn Rentgenol Radiol 48:3-12, May-Jun 73 **(Ru**
Abstr.)

THERAPY

ectrotherapy of osteo-articular disorders due to jury] Dumoulin J, et al.
ectrodiagn Ther 10:18-26, 1973 (Fre)
eatment of osteoporosis] Franchimont P.
v Med Liege 28:502-4, 15 Jul 73 (Fre)
oblems of chronic diseases in orthopedics] ohmann D. Fortschr Med 91:767-70, 21 Jun 73 (Ger)
agnosis and treatment of climacteric osteopathies] ikhman AI.
obl Endokrinol (Mosk) 19:36-40, May-Jun 73 (Eng. str.) (Rus)

URINE

rent methods of in-vivo measurement of teoporosis. Griffith ER, et al.
n J Phys Med 52:75-91, Apr 73 (64 ref.)
of porcine calcitonin in osteoporosis. Melick RA, et Aust NZ J Med 3:285-9, Jun 73
lagen metabolism in human osteoporosis] Chlud K. umatizam 20:95-8, 1973 (Cro)

EUDOHYPOPARATHYROIDISM

BLOOD

udohypoparathyroidism. Case report on a year-old man with hypochromic anemia and pecia] Corea L, et al.
ia Endocrinol (Roma) 25:347-63, Oct 72 (Eng. str.) (Ita)

COMPLICATIONS

udohypoparathyroidism. Case report on a year-old man with hypochromic anemia and pecia] Corea L, et al.
ia Endocrinol (Roma) 25:347-63, Oct 72 (Eng. str.) (Ita)

DRUG THERAPY

udohypoparathyroidism. Case report on a year-old man with hypochromic anemia and pecia] Corea L, et al.
ia Endocrinol (Roma) 25:347-63, Oct 72 (Eng. str.) (Ita)

ETIOLOGY

tonin in metabolic disorders. Haymovits A, et al.
Metab Disord 60:177-212, 1972 (22 ref.)

EUDOPSEUDOHYPO-ARATHYROIDISM

DIAGNOSIS

physeal dysplasia with peripheral location. lowski K, et al. Helv Paediatr Acta 27:85-9, Apr 72

NAL OSTEODYSTROPHY

COMPLICATIONS

ing of the capital femoral epiphysis with renal ets: a case report. Switzer P, et al.
J Surg 16:330-2, Sep 73
pse of vertebral bodies in dialysis osteopathy] höpe W, et al.
h Med Wochenschr 98:1471-4, Aug 73 (Eng. tr.) (Ger)

DRUG THERAPY

a-hydroxycholecalciferol as a substitute for the ey hormone 1,25-dihydroxycholecalciferol in nic renal failure. Chalmers TM, et al.
et 2:696-9, 29 Sep 73

ETIOLOGY

parathyroidectomy for treatment of renal odystrophy caused by autonomous rparathyroidism. Marks C.
Surg 39:509-13, Sep 73
pse of vertebral bodies in dialysis osteopathy] Tschöpe W, et al.
Dtsch Med Wochenschr 98:1471-4, Aug 73 (Eng. Abstr.) (Ger)

METABOLISM

Role of pyrophosphate in renal osteodystrophy. David DS, et al.
Trans Am Soc Artif Intern Organs 19:440-5, 1973

PHYSIOPATHOLOGY

Some aspects of chronic renal failure. Salomon MI.
J Am Geriatr Soc 21:154-8, Apr 73

RADIOGRAPHY

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C.
Am Surg 39:509-13, Sep 73
Role of pyrophosphate in renal osteodystrophy. David DS, et al.
Trans Am Soc Artif Intern Organs 19:440-5, 1973
Fluoride metabolism in uremia. Nielsen E, et al.
Trans Am Soc Artif Intern Organs 19:450-5, 1973

THERAPY

Total parathyroidectomy for treatment of renal osteodystrophy caused by autonomous hyperparathyroidism. Marks C.
Am Surg 39:509-13, Sep 73
Second renal transplants in cvhildren.
Br Med J 3:3-4, 7 Jul 73
Slipping of the capital femoral epiphysis with renal rickets: a case report. Switzer P, et al.
Can J Surg 16:330-2, Sep 73

RICKETS

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. Lancet 1:1282-4, 9 Jun 73

BLOOD

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. Lancet 1:1282-4, 9 Jun 73

CHEMICALLY INDUCED

[Severe osteomalacic rickets induced by antiepileptic drugs. Literature review apropos of a case] Slomic A, et al.
Ann Radiol (Paris) 16:431-5, 1973 (Eng. Abstr.) (Fre)

COMPLICATIONS

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73
Juvenile nephronophthisis. Betts PR, et al.
Lancet 2:475-8, 1 Sep 73
Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al.
Pediatrics 52:364-71, Sep 73

DRUG THERAPY

Neonatal rickets in Asian immigrant population. Ford JA, et al. Br Med J 3:211-2, 28 Jul 73
Histochemical studies of bone in experimental rachitic albino rats. Singh B, et al.
Indian J Pathol Bacteriol 15:56-61, Apr 72
Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. Tsai HC, et al.
J Biol Chem 248:5967-75, 10 Sep 73
Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. Lancet 1:1282-4, 9 Jun 73
Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al.
Pediatrics 52:364-71, Sep 73

PARATHYROID AND BONE

ENZYMOLOGY

Effects of cortisone, starvation, and rickets on oxidative enzyme activities of epiphyseal cartilage from rats. Meyer WL, et al.
Arch Biochem Biophys 156:122-33, May 73

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73

ETIOLOGY

Vitamin D-dependent rickets in institutionalized, mentally retarded children receiving long-term anticonvulsant therapy. I. A survey of 288 patients. Lifshitz F, et al. **J Pediatr** 83:612-20, Oct 73

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73

Oncogenous rickets: possible elaboration by a tumor of a humoral substance inhibiting tubular reabsorption of phosphate. Harrison HE.
Pediatrics 52:432-4, Sep 73 (8 ref.)

Chronic home peritoneal dialysis in children. Counts S, et al. **Trans Am Soc Artif Intern Organs** 19:157-63, 1973

[Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**

[On the article by K.P. Faerber. I. Grobbe-Heitmeyer: etiology of rickets and air pollution (Off. Gesundh.-Wesen 34 (1972), 521)] Müller H.
Oeff Gesundheitswes 35:192-3, Mar 73 **(Ger)**

[Grave form of infantile scurvy after exclusive and prolonged alimentation with milk] Herzovi F, et al.
Pediatria (Bucur) 22:161-72, Mar-Apr 73 (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

HISTORY

George Budd (1808-1882) and nutritional deficiency diseases. (Budd G), Hughes RE.
Med Hist 17:127-35, Apr 73

METABOLISM

Studies on calciferol metabolism. VII. The effects of actinomycin D and cycloheximide on the metabolism, tissue and subcellular localization, and action of vitamin D3. Tsai HC, et al.
Arch Biochem Biophys 152:339-47, Aug 73

Histochemical studies of bone in experimental rachitic albino rats. Singh B, et al.
Indian J Pathol Bacteriol 15:56-61, Apr 72

Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. Tsai HC, et al.
J Biol Chem 248:5967-75, 10 Sep 73

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73

[Calcium and phosphorus metabolism disorders in cardiovascular and skeletal pathology (on the basis of findings from the literature)] Lebedev DD.
Pediatriia 51:70-5, Oct 72 **(Rus)**

OCCURRENCE

Neonatal rickets in Asian immigrant population. Ford JA, et al. **Br Med J** 3:211-2, 28 Jul 73

Vitamin-D deficiency in Asians at home and in Britain. Hodgkin P, et al. **Lancet** 2:167-71, Jul 73

Prevalences of bowing and knock-knee in South African schoolchildren. Richardson BD, et al.
Lancet 2:377, 18 Aug 73

PREVENTION & CONTROL

[Continuous prevention of rickets] Wolf H.
Med Monatsschr 27:261-5, Jun 73 **(Ger)**

RADIOGRAPHY

Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al.
Pediatrics 52:364-71, Sep 73

RADIOTHERAPY

Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73

Ultraviolet deprivation. **Lancet** 1:1294-5, 9 Jun 73

SURGERY

Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al.
Pediatrics 52:364-71, Sep 73

RICKETS, VITAMIN D RESISTANT

DRUG THERAPY

X-linked hypophosphataemic rickets: Inadequate therapeutic response to 1,25-dihydroxycholecalciferol. Glorieux FH, et al.
Lancet 2:287-9, 11 Aug 73

Actions of 1,25-dihydroxycholecalciferol in patients with hypophosphatemic, vitamin-D-resistant rickets. Brickman AS, et al. **N Engl J Med** 289:495-8, 6 Sep 73

Familial hypophosphatemia: the dilemma of treatment. Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73

ETIOLOGY

X-linked hypophosphataemic rickets: Inadequate therapeutic response to 1,25-dihydroxycholecalciferol. Glorieux FH, et al.
Lancet 2:287-9, 11 Aug 73

FAMILIAL & GENETIC

Familial hypophosphatemia: the dilemma of treatment. Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73

METABOLISM

X-linked hypophosphataemic rickets: Inadequate therapeutic response to 1,25-dihydroxycholecalciferol. Glorieux FH, et al.
Lancet 2:287-9, 11 Aug 73

Actions of 1,25-dihydroxycholecalciferol in patients with hypophosphatemic, vitamin-D-resistant rickets. Brickman AS, et al. **N Engl J Med** 289:495-8, 6 Sep 73

TETANY

COMPLICATIONS

[Conservative cataract therapy; clinical and experimental] Koch HR, et al.
Doc Ophthalmol 35:85-286, 27 Jul 73 (796 ref.) (Eng Abstr.) **(Ger)**

ETIOLOGY

A magnesium-deficient patient presenting with hypocalcemia and hyperphosphatemia. Medalle R, et al. **Ann Intern Med** 79:76-9, Jul 73

Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Miyazaki G, et al.
Tohoku J Exp Med 109:365-75, Apr 73

[Electrophysiological study of hyperestrogenic tetany in women] Poenaru S, et al.
Electromyogr Clin Neurophysiol 13:201-27, 1973 (Eng Abstr.) **(Fre)**

[Neuropsychological studies in hyperventilation tetany] Drunkenmölle C.
Z Aerztl Fortbild (Jena) 67:33-7, 1 Jan 73 **(Ger)**

PHYSIOPATHOLOGY

[Electrophysiological study of hyperestrogenic tetany in women] Poenaru S, et al.

Electromyogr Clin Neurophysiol 13:201-27, 1973 (Eng. Abstr.) (Fre)
Pulmonary ventilation and acid-base equilibrium in subjects with raised neuromuscular excitability] Frank-Piskorska A, et al.
Wiad Lek 26:1393-6, 1 Aug 73 (Eng. Abstr.) (Pol)

VETERINARY

Interrelationships of potassium, nitrogen, and magnesium in ruminants. Fontenot JP, et al.
Fed Proc 32:1925-8, Aug 73

THYROCALCITONIN

Glucagon and its significance for regulation of exocrine pancreas function] Schulz HJ, et al.
Z Gesamte Inn Med 28:313-20, 1 Jun 73 (125 ref.) (Eng. Abstr.) (Ger)
Calcitonin. Physiology; therapeutic importance] Merceron RE. Minerva Med 64:2147-67, 2 Jun 73 (Ita)

ADMINISTRATION & DOSAGE

Effect of calcium and calcitonin on gastrin and gastric secretion in cats. Becker HD, et al.
Am J Physiol 225:277-80, Aug 73
Use of porcine calcitonin in osteoporosis. Melick RA, et al.
Med J Aust NZ J Med 3:285-9, Jun 73
Therapeutic indications for calcitonin. Experimental examination in some pathologic conditions] Perraro G, et al.
Polia Endocrinol (Roma) 25:411-23, Oct 72 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Calcium and gastrointestinal secretion. Case RM.
Digestion 8:269-88, 1973 (102 ref.)
Salmon calcitonin is effective in combating hypercalcemia. Silva OL, et al.
Geriatrics 28:178 passim, Oct 73
Metabolic effects of calcitonin in man] Caniggia A, et al. Minerva Med 64:2249-58, 1973 (Eng. Abstr.) (Ita)

ANALYSIS

Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. Voelkel EF, et al.
Clin Endocrinol Metab 37:297-307, Aug 73

BIOSYNTHESIS

Ectopic production of calcitonin. Silva OL, et al.
Lancet 2:317, 11 Aug 73
Ectopic production of calcitonin. Whitelaw AG, et al.
Lancet 2:443, 25 Aug 73
Histochemical studies on thyroid adenoma built of C cells. Beskid M, et al. Mater Med Pol 4:53-9, Apr-Jun 72

BLOOD

Radioimmunometric assay for human calcitonin. Hesch RD, et al. Acta Endocrinol [Suppl] (Kbh) 173:161, 1973
Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Plasma calcitonin-like activity and urinary cyclic adenosine monophosphate during pregnancy, parturition, and lactation in cows with parturient hypocalcemia. Black HE, et al.
Horm Metab Res 5:297-302, Jul 73
Plasma calcitonin and gonadal hormones in Japanese quail. Dacke CG, et al. J Endocrinol 58:13-4, Jul 73
Ectopic production of calcitonin. Silva OL, et al.
Lancet 2:317, 11 Aug 73
Ectopic production of calcitonin. Whitelaw AG, et al.
Lancet 2:443, 25 Aug 73
Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)
Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Levin DL, et al.
Pediatrics 52:192-6, Aug 73
Genotype of malignancy: the mucosal neuroma syndrome. Schimke RN. Pediatrics 52:283-4, Aug 73
Extraction and concentration of human plasma calcitonin using coupled antibodies on a solid support] Moukhtar MS, et al.
C R Acad Sci [D] (Paris) 276:3445-8, 25 Jun 73 (Fre)
Hyperthyrocalcitoninemia in idiopathic hemochromatosis] Pawlotsky Y, et al.
Nouv Presse Med 2:1793, 30 Jun 73 (Fre)
[C-cells of thyroid gland and calcitonin] Meng W.
Z Aerztl Fortbild (Jena) 67:545-7, Jun 73 (Ger)
[Calcitonin. Physiology; therapeutic importance] Merceron RE. Minerva Med 64:2147-67, 2 Jun 73 (Ita)
[Plasma calcitonin activity in some rarifying bone diseases] Tamburino G, et al.
Minerva Med 64:2305-8, 1973 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Secretion of avian ultimobrachial calcitonin in organ culture. Reinblatt JD, et al.
Endocrinology 93:277-84, Aug 73
[Extraction and concentration of human plasma calcitonin using coupled antibodies on a solid support] Moukhtar MS, et al.
C R Acad Sci [D] (Paris) 276:3445-8, 25 Jun 73 (Fre)

METABOLISM

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Calcium and gastrointestinal secretion. Case RM.
Digestion 8:269-88, 1973 (102 ref.)
Control of polypeptide hormones by enzymatic degradation. Knights EB, et al.
Lancet 2:719-23, 29 Sep 73
Taking stock of the carcinoid syndrome.
Lancet 2:711-2, 29 Sep 73
Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)
Peptide hormone binding to receptors: a review of direct studies in vitro. Roth J.
Metabolism 22:1059-73, Aug 73 (150 ref.)
[Physiology and metabolism of cholecalciferol] Wilczek H, et al.
Cas Lek Cesk 112:853-5, 1973 (Eng. Abstr.) (Cze)
[Osteogenesis, osteocytic activity and calcitonin] Duriez J, et al.
Acta Orthop Belg 39:471-8, Mar-Apr 73 (Fre)
[Calcitonin. Physiology; therapeutic importance] Merceron RE. Minerva Med 64:2147-67, 2 Jun 73 (Ita)

PHARMACODYNAMICS

Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rats. Hehrmann R, et al.
Acta Endocrinol (Kbh) 73:489-98, Jul 73
The effect of calcitonin on glucose assimilation and insulin secretion in man. Minne H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:162, 1973
Topical application of thyrocalcitonin in the jaws of laboratory dogs. Foster S.
Am J Orthod 64:210-1, Aug 73
Effect of calcium and calcitonin on gastrin and gastric secretion in cats. Becker HD, et al.
Am J Physiol 225:277-80, Aug 73
The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al.
Clin Sci 44:4P-5P, Feb 73
Secretion of avian ultimobrachial calcitonin in organ culture. Reinblatt JD, et al.
Endocrinology 93:277-84, Aug 73
Calcium metabolism at the cellular level. Borle AB.
Fed Proc 32:1944-50, Sep 73
Oncogenous rickets: possible elaboration by a tumor of a humoral substance inhibiting tubular reabsorption of phosphate. Harrison HE.
Pediatrics 52:432-4, Sep 73 (8 ref.)
Influence of calcitonin on bone phosphatases and phosphate release in organ culture. Messer HH, et al.
Proc Soc Exp Biol Med 143:690-2, Jul 73
[Osteogenesis, osteocytic activity and calcitonin] Duriez J, et al.
Acta Orthop Belg 39:471-8, Mar-Apr 73 (Fre)
[Metabolic effects of calcitonin in man] Caniggia A, et al. Minerva Med 64:2249-58, 1973 (Eng. Abstr.) (Ita)
[Calcitonin. Physiology; therapeutic importance] Merceron RE. Minerva Med 64:2147-67, 2 Jun 73 (Ita)

PHYSIOLOGY

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)

Bone resorption and prosthodontics. Fenton AH.
J Prosthet Dent 29:477-83, May 73 (32 ref.)
[Osteogenesis, osteocytic activity and calcitonin] Duriez J, et al.
Acta Orthop Belg 39:471-8, Mar-Apr 73 **(Fre)**
[Relations between excretory pancreas function and calcium metabolism in man] Hotz J, et al.
Verh Dtsch Ges Inn Med 78:1420-3, 1972 **(Ger)**
[C-cells of thyroid gland and calcitonin] Meng W.
Z Aerztl Fortbild (Jena) 67:545-7, Jun 73 **(Ger)**
[Calcitonin. Physiology; therapeutic importance] Merceron RE. **Minerva Med** 64:2147-67, 2 Jun 73 **(Ita)**

SECRETION

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Secretion of avian ultimobrachial calcitonin in organ culture. Reinblatt JD, et al.
Endocrinology 93:277-84, Aug 73
Accumulation of nicotine in pancreatic islets and calcitonin-producing cells in mice and chicks demonstrated by micro- and whole-body autoradiography. Slanina P, et al.
J Endocrinol 58:21-30, Jul 73
Stimulation of calcitonin release in vitro by purine and pyrimidine nucleotides. Bell NH.
Nature [New Biol] 245:85-6, 19 Sep 73
The surgical management of thyroid disorders. Wade H. **Trans Med Soc Lond** 88:40-52, 1972
[Carcinoid tumor of the small intestine with hepatic metastases rich in thyrocalcitonin associated with a C cell benign adenoma of the thyroid gland] Cattan E, et al.
Arch Fr Mal App Dig 62:141-50, Mar 73 (Eng. Abstr.) **(Fre)**
[Calcitonin. Physiology; therapeutic importance] Merceron RE. **Minerva Med** 64:2147-67, 2 Jun 73 **(Ita)**

THERAPEUTIC USE

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Use of porcine calcitonin in osteoporosis. Melick RA, et al. **Aust NZ J Med** 3:285-9, Jun 73
New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)
Preventive effect of salmon calcitonin on restraint-induced gastric ulcer in rats. Noda S, et al.
Endocrinol Jap 20:89-90, Feb 73
Salmon calcitonin is effective in combating hypercalcemia. Silva OL, et al.
Geriatrics 28:178 passim, Oct 73
[Common osteoporosis. Apropos of treatment with calcitonin] Kuntz D, et al.
Nouv Presse Med 2:1862, 7 Jul 73 **(Fre)**
[Treatment of osteoporosis] Franchimont P.
Rev Med Liege 28:502-4, 15 Jul 73 **(Fre)**
[C-cells of thyroid gland and calcitonin] Meng W.
Z Aerztl Fortbild (Jena) 67:545-7, Jun 73 **(Ger)**
[Therapeutic indications for calcitonin. Experimental examination in some pathologic conditions] Perraro F, et al.
Folia Endocrinol (Roma) 25:411-23, Oct 72 (Eng. Abstr.) **(Ita)**
[Metabolic effects of calcitonin in man] Caniggia A, et al. **Minerva Med** 64:2249-58, 1973 (Eng. Abstr.) **(Ita)**
[Calcitonin. Physiology; therapeutic importance] Merceron RE. **Minerva Med** 64:2147-67, 2 Jun 73 **(Ita)**
[The use of thyrocalcitonin in the complex therapy of chronic osteomyelitis of the mandible] Laitev PI, et al. **Stomatologiia (Mosk)** 52:41-3, Sep-Oct 73 **(Rus)**

URINE

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)

VITAMIN A

Harry Steenbock (1886-1967)--a biographical sketch. (Steenbock H), Schneider HA.
J Nutr 103:1233-47, Sep 73

ANALYSIS

The identification and semi-quantitative assay of some fat-soluble vitamins and antioxidants in pharmaceutical products and animal feeds by thin-layer chromatography. Johnson GW, et al.
Analyst 98:257-67, Apr 73
[Microbial contamination of Polish orally administered drugs. II. Pediatric drugs] Woźniak W, et al.
Acta Pol Pharm 30:339-44, 1973 (Eng. Abstr.) **(Pol)**

BLOOD

The effects of supplements varying in carotene and calcium content on the physical, biochemical and skeletal status of preschool children. Rajalakshmi R, et al. **Br J Nutr** 30:77-86, Jul 73

THERAPEUTIC USE

[Fracture of the pedal bone in a giraffe. A casuistic report] Eriksen E.
Nord Vet Med 24:440-5, Sep 72 (Eng. Abstr.) **(Dan)**

VITAMIN D

Harry Steenbock (1886-1967)--a biographical sketch (Steenbock H), Schneider HA.
J Nutr 103:1233-47, Sep 73
Vitamin D-dependent rickets in institutionalized, mentally retarded children receiving long-term anticonvulsant therapy. I. A survey of 288 patients Lifshitz F, et al. **J Pediatr** 83:612-20, Oct 73
[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**

ADMINISTRATION & DOSAGE

Effect of oral vitamin D, 25-hydroxycholecalciferol (25-HCC) and whole-body ultra-violet irradiation on plasma 25-HCC levels in man. Stamp TC, et al.
Clin Sci 44:3P-4P passim, Feb 73
Vitamin D administration in primary hyperparathyroidism. Woodhouse NJ, et al.
Clin Sci 44:3P passim, Feb 73
Anticonvulsant drugs and vitamin D metabolism
JAMA 225:995-6, 20 Aug 73
Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73
Vitamin-D deficiency in Asians at home and in Britain Hodgkin P, et al. **Lancet** 2:167-71, Jul 73
Familial hypophosphatemia: the dilemma of treatment Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73
Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al.
Pediatrics 52:364-71, Sep 73

ADVERSE EFFECTS

[Calcium and phosphorus metabolism disorders in cardiovascular and skeletal pathology (on the basis of findings from the literature)] Lebedev DD.
Pediatriia 51:70-5, Oct 72 **(Rus)**

ANALYSIS

Gas-liquid chromatographic determination of vitamin D in cod-liver oil. Bell JG, et al. **Analyst** 98:268-73, Apr 73
The identification and semi-quantitative assay of some fat-soluble vitamins and antioxidants in pharmaceutical products and animal feeds by thin-layer chromatography. Johnson GW, et al.
Analyst 98:257-67, Apr 73
Prenols and ubiquinones in single-strain and mated cultures of Blakeslea trispora. Bu'lock JD, et al.
J Gen Microbiol 76:77-83, May 73
[Microbial contamination of Polish orally administered drugs. II. Pediatric drugs] Woźniak W, et al.
Acta Pol Pharm 30:339-44, 1973 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Solar radiation and skin cancer. Johnson BE.
Br J Cancer 28:91, Jul 73
Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)

BLOOD

Bedouin osteomalacia due to calcium deprivation caused by high phytic acid content of unleavened

bread. Berlyne GM, et al.
Am J Clin Nutr 26:910-1, Sep 73
Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)

METABOLISM

Bedouin osteomalacia due to calcium deprivation caused by high phytic acid content of unleavened bread. Berlyne GM, et al.
Am J Clin Nutr 26:910-1, Sep 73
Anticonvulsants and vitamin D metabolism. Aponte CJ, et al. **JAMA** 225:1248, 3 Sep 73
Anticonvulsant drugs and vitamin D metabolism. **JAMA** 225:995-6, 20 Aug 73
Diphosphonates and vitamin-D metabolism in Paget's disease. Bonjour JP, et al. **Lancet** 2:375-6, 18 Aug 73
Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73
X-linked hypophosphataemic rickets: Inadequate therapeutic response to 1,25-dihydroxycholecalciferol. Glorieux FH, et al. **Lancet** 2:287-9, 11 Aug 73
Regulation of vitamin-D metabolism without parathyroid hormone. Larkins RG, et al. **Lancet** 2:289-91, 11 Aug 73
Hypercalcemia during the diuretic phase of acute renal failure. Wilson R, et al. **Med Ann DC** 42:327-30, Jul 73
Radioassay of the calciotropic hormones. Arnaud CD. **Metabolism** 22:1013-20, Aug 73 (36 ref.)
Familial hypophosphatemia: the dilemma of treatment. Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73
Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D von, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:435-40, 26 Jul 73
Control of vitamin D metabolism. **Nutr Rev** 31:187-8, Jun 73 (6 ref.)
Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**

PHARMACODYNAMICS

Vitamin D and intestinal calcium fluxes in vivo in the rat. Younoszai MK, et al.
Am J Physiol 225:287-92, Aug 73
Effect of oral vitamin D, 25-hydroxycholecalciferol (25-HCC) and whole-body ultra-violet irradiation on plasma 25-HCC levels in man. Stamp TC, et al. **Clin Sci** 44:3P-4P passim, Feb 73
Calcium metabolism at the cellular level. Borle AB. **Fed Proc** 32:1944-50, Sep 73
Bone resorption and prosthodontics. Fenton AH. **J Prosthet Dent** 29:477-83, May 73 (32 ref.)
Anticonvulsant drugs and vitamin D metabolism. **JAMA** 225:995-6, 20 Aug 73
Effects of vitamin D on developing bones and teeth. Toverud SU, et al. **NC Dent J** 56:9-11, Aug 73
Effect of vitamine D and carbon tetrachloride (CCl4) in the terminal system] Kobylinski S, et al. **Exp Pathol (Jena)** 6:193-200, 1972 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**

STANDARDS

WHO Expert Committee on Biological Standardization: Twenty-fifth report. **WHO Tech Rep Ser** 530:1-66, 1973

THERAPEUTIC USE

Hypoparathyroidism in pregnancy. Bolen JW. **Am J Obstet Gynecol** 117:178-9, 15 Sep 73
Vitamin D administration in primary hyperparathyroidism. Woodhouse NJ, et al. **Clin Sci** 44:3P passim, Feb 73
Histochemical studies of bone in experimental rachitic albino rats. Singh B, et al. **Indian J Pathol Bacteriol** 15:56-61, Apr 72
Lead poisoning in small animals. Clarke EG. **J Small Anim Pract** 14:183-94, Apr 73 (75 ref.)
Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant. Dent CE, et al. **Lancet** 1:1282-4, 9 Jun 73
Familial hypophosphatemia: the dilemma of treatment. Scriver CR. **N Engl J Med** 289:531-2, 6 Sep 73
Rickets and myopathy cured by removal of a nonossifying fibroma of bone. Pollack JA, et al. **Pediatrics** 52:364-71, Sep 73
Calcium balance in chronic renal failure. A study using in vivo neutron activation analysis. Hosking DJ, et al. **Q J Med** 42:467-79, Jul 73
[Fracture of the pedal bone in a giraffe. A casuistic report] Eriksen E.
Nord Vet Med 24:440-5, Sep 72 (Eng. Abstr.) **(Dan)**
[Severe osteomalacic rickets induced by antiepileptic drugs. Literature review apropos of a case] Slomic A, et al.
Ann Radiol (Paris) 16:431-5, 1973 (Eng. Abstr.) **(Fre)**
[Hyperphosphoremia states in hemodialysed patients with chronic renal insufficiency] Duchatelle P, et al. **Lille Med** 18:116-24, Feb 73 **(Fre)**
[Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**
[Vitamine D3 and 25-hydroxycholecalciferol therapy in renal osteopathy: influence on serum calcium, phosphate, calcium phosphate products and on intestinal calcium absorption] Henning HV, et al. **Verh Dtsch Ges Inn Med** 78:1446-8, 1972 **(Ger)**
[Renal tubular osteopathies. Acquired gluco-amino--phosphate diabetes (DeToni-Debré-Fanconi syndrome)] Köster I, et al. **Z Gesamte Inn Med** 28:321-7, 1 Jun 73 **(Ger)**

VITAMIN D DEFICIENCY

Stimulation of (3H)uridine incorporation into nuclear RNA of rat kidney by vitamin D metabolites. Chen TC, et al. **Arch Biochem Biophys** 156:321-7, May 73

COMPLICATIONS

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73
Vitamin-D deficiency osteomalacia in Asians. Vaishnava H, et al. **Lancet** 2:621-2, 15 Sep 73
Ultraviolet deprivation. **Lancet** 1:1294-5, 9 Jun 73
[Clinical exploration and differential diagnosis of osteoporosis] Denis F.
Rev Med Liege 28:492-7, 15 Jul 73 **(Fre)**
[Osteomalacia: new aspects of pathogenesis and treatment] Burckhardt P.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Evaluation of vitamin D supplements by biological assay using the turkey. Yang HS, et al.
J Nutr 103:1187-94, Aug 73

ENZYMOLOGY

Vitamin-D deficiency in Asians at home and in Britain. Hodgkin P, et al. **Lancet** 2:167-71, Jul 73

FAMILIAL & GENETIC

Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73

METABOLISM

Active secretion of calcium by adult rat ileum and jejunum in vitro. Walling MW, et al.
Am J Physiol 225:415-22, Aug 73
Bone collagen metabolism in vitamin D deficiency. Barnes MJ, et al. **Biochem J** 132:113-5, Jan 73
The interrelationships between vitamin D parathyroid hormone and calcitonin. Hill LF, et al.
Clin Sci 44:4P-5P, Feb 73
Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family.

Strewler GJ, et al.
J Clin Endocrinol Metab 37:220-9, Aug 73
Effects of 1,25-dihydroxycholecalciferol on intestinal calcium transport in cortisone-treated rats. **Favus MJ**, et al. **J Clin Invest** 52:1680-5, Jul 73
Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)
[Systems of amino acid transport and their importance in pathology. I. Mode of amino acid transport in kidney and intestines] Moatti N, et al.
Ann Biol Clin (Paris) 31:175-83, 1973 (93 ref.) (Eng. Abstr.) (Fre)
[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 (Pol)

OCCURRENCE

Vitamin-D deficiency in Asians at home and in Britain. Hodgkin P, et al. **Lancet** 2:167-71, Jul 73
Vitamin-D deficiency in Asians. Stanbury SW. **Lancet** 2:446, 25 Aug 73

NEUROENDOCRINOLOGY

I. Physical and Functional Aspects

AMYGDALOID BODY

Electrical and behavioral attenuation of the anti-convulsant properties of delta 9-TNC following chronic administrations. Fried PA, et al. **Psychopharmacologia 31:215-27, 19 Jul 73**

ANALYSIS

Glutamate and GABA levels and glutamate decarboxylase activity in brain regions of rats after prolonged treatment with alkali cations. Gottesfeld Z, et al. **Experientia 29:68-9, 1 May 73**

Catecholamine concentrations in discrete areas of the rat brain after the pre- and neonatal administration of phencyclidine and imipramine. Tonge SR. **J Pharm Pharmacol 25:164-6, Feb 73**

ANATOMY & HISTOLOGY

Some connections of the telencephalon of the frog, Rana pipiens. An experimental study. Halpern M. **Brain Behav Evol 6:42-68, 1972**

The thalamo-cortical projection of the so-called posterior nuclear group: a study with anterograde degeneration methods in the cat. Graybiel AM. **Brain Res 49:229-44, 30 Jan 73**

An autoradiographic study of complementary laminar patterns of termination of afferent fibers to the olfactory cortex. Price JL. **J Comp Neurol 150:87-108, 1 Jul 73**

Insular-diencephalic connections in the Macaque. Wirth FP. **J. Comp Neurol 150:361-92, Aug 73**

BLOOD SUPPLY

Regional cerebral blood flow. 1. Suitability of the thermoelectric method of measurement and relation between regional cerebral blood flow and autonomic nerve function] Nishino H. **Tolia Pharmacol Jap 69:47-64, Jan 73 (Eng. Abstr.) (Jap)**

CYTOLOGY

Morphologic sex differences in primate brain areas involved in regulation of reproductive activity. Jubenik GA, et al. **Experientia 29:619-21, 15 May 73**

DRUG EFFECTS

Bicidal block induced by 5-hydroxytryptophan in the rat. Kulkarni AS, et al. **Arch Int Pharmacodyn Ther 201:308-13, Feb 73**

Chronic marijuana usage and sleep-wakefulness cycles in cats. Barratt ES, et al. **Biol Psychiatry 6:207-14, Jun 73**

Effects of atropine, reserpine, 6-hydroxydopamine, and handling on seizure development in the rat. Arnold PS, et al. **Exp Neurol 40:457-70, Aug 73**

Acute antiepileptic effects of 9-tetrahydrocannabinol in rats with kindled seizures. Corcoran ME, et al. **Exp Neurol 40:471-83, Aug 73**

Experimental electroencephalographic research on the central effect of benzoctamine] Savoldi F, et al. **Farmaco [Sci] 27:795-9, Sep 72 (Eng. Abstr.) (Ita)**

METABOLISM

Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al. **Brain Res 57:373-86, 27 Jul 73**

PATHOLOGY

[Paraneoplastic limbic encephalitis. Anatomo-clinical study of 2 cases] Vital C, et al. **Arch Anat Pathol (Paris) 21:279-85, Sep 73 (Fre)**

PHYSIOLOGY

Neurological substrates of aggressive behavior. Clemente CD, et al. **Annu Rev Physiol 35:329-56, 1973 (200 ref.)**

Inhibition and excitation of units in paraventricular nucleus after stimulation of the septum, amygdala and neurohypophysis. Negoro H, et al. **Brain Res 57:479-83, 27 Jul 73**

Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Kawakami M, et al. **Endocrinol Jap 20:59-66, Feb 73 (Eng. Abstr.) (Fre)**

Acoustic responses and plasticity of limbic units in cats. Brown KA, et al. **Exp Neurol 40:608-31, Sep 73**

Depression of agonistic behavior after diagonal band of Broca lesions in rats. Nolley DA. **J Comp Physiol Psychol 84:365-9, Aug 73**

Extrinsic and central nervous control of colonic motility. A survey of previous and new concepts based on experimental results. Rostad H. **J Oslo City Hosp 23:65-75, Apr 73 (50 ref.)**

Neuronal activity evoked in nucleus medialis dorsalis of the thalamus after stimulation of the amygdala. Fernandez de Molina A, et al. **Physiol Behav 8:135-8, Jan 72**

Effect of lesions in the amygdala on behavioral contrast. Henke PG, et al. **Physiol Behav 8:173-6, Feb 72**

Effect of amygdaloid lesions on dietary intake of disproportionate amounts of amino acids. Leung PM, et al. **Physiol Behav 11:221-6, Aug 73**

[A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. 1. Changes in brain activity and several functions of the body under the repeated immobilization stress] Yanase M. **J Physiol Soc Jap 35:109-24, Mar 73 (Eng. Abstr.) (Jap)**

[Conditioned reactions to time in neurons of the amygdaloid complex] Kopytova FV, et al. **Zh Vyssh Nerv Deiat 22:930-9, Sep-Oct 72 (Eng. Abstr.) (Rus)**

[Bioelectrical and autonomic components of conditioned reflexes of the "negative-emotional" type] Paikova LN. **Zh Vyssh Nerv Deiat 23:517-22, May-Jun 73 (Eng. Abstr.) (Rus)**

PHYSIOPATHOLOGY

Depth electrode studies in centrencephalic epilepsy. Nashold BS Jr, et al. **Confin Neurol 34:252-63, 1972**

Effects of atropine, reserpine, 6-hydroxydopamine, and handling on seizure development in the rat. Arnold PS, et al. **Exp Neurol 40:457-70, Aug 73**

SURGERY

Stereotaxic amygdalotomy in temporal lobe epilepsy. Vaernet K. **Confin Neurol 34:176-80, 1972**

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973

Neuroendocrine aspects of thermoregulation. Gale CC.
Annu Rev Physiol 35:391-430, 1973 (120 ref.)

TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73

Hypophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al.
Experientia 29:878-9, 1973

Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats. Scacchi P, et al.
Experientia 29:877-8, 1973

Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72

Growth hormone responses to hypoglycaemia and arginine tests in hyperthyroid and hypothyroid patients. Neri V, et al.
Folia Endocrinol (Roma) 26:102-9, Apr 73

Effects of hypothalamic stimulation on pituitary-adrenocortical activity in conscious unrestrained pigeons. Bouillé C, et al.
Neuroendocrinology 12:284-94, 1973

Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative. Schreiber B, et al.
Physiol Bohemoslov 22:11-7, 1973

[Menstruation disorders during adolescence] Rey-Stocker I.
Ther Umsch 30:486-90, Jul 73 (Eng. Abstr.) (Fre)

[Behavior of the circadian rhythm of adrenal cortex secretion in anorexia nervosa in relation to the duration of amenorrhea] Angeli A, et al.
Folia Endocrinol (Roma) 25:153-60, Apr 72 (Eng. Abstr.) (Ita)

[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al.
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)

[The usefulness of TRF (thyrotropin releasing factor) test in patients with hypothalamic-pituitary disorders] Otsuki M, et al.
J Jap Soc Intern Med 62:353-9, Apr 73 (Jap)

[Survival periods of normal and hypophysectomized rats exposed to acute microwave irradiation] Mikolajczyk H.
Patol Pol 24:325-31, Apr-Jun 73 (Eng. Abstr.) (Pol)

ANALYSIS

Quantitative change of dopamine in the tuberohypophyseal tract of the rat under some experimental conditions. Kanyama H.
Arch Histol Jap 35:289-99, May 73

[Experimental arguments in favor of an intragranular localization of the hypothalamo-neurohypophysial hormones of Anguilla anguilla L] Holder FC.
Z Zellforsch Mikrosk Anat 140:315-32, 1973 (Eng. Abstr.) (Fre)

CYTOLOGY

Gonadectomy-induced histological changes in the hypothalamic neurosecretory system of the musk shrew, Suncus murinus L. Kulshreshtha A, et al.
Ann Endocrinol (Paris) 34:17-23, Jan-Feb 73

[Hypothalamo-hypophyseal neurosecretory system (H.-H.N.S.) in cats following removal and isolation of the duodenum. Possible effect of intestinal hormones on the H.-H.N.S.] Skvortsova NB, et al.
Dokl Akad Nauk SSSR 211:252-5, Jul-Aug 73 (Rus)

DRUG EFFECTS

Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. **Folia Endocrinol (Roma) 26:180-8, Jun 73**

Suppression of the hypothalamic-pituitary-adrenal-axis with dexamethasone. Morgner KD, et al.
Horm Metab Res 5:307, Jul 73

Stimulation of human prolactin secretion by intravenous infusion of L-tryptophan. MacIndoe JH, et al. **J Clin Invest 52:1972-8, Aug 73**

Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al.
Science 181:760-1, 24 Aug 73

[Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al.
Probl Actuels Endocrinol Nutr 16:129-40, 3 May 73 (Fre)

[Examination of the TRH-TSH axis] Escobar del Rey F.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) (Ger)

[Effects of a cycle-regulating 2-phase preparation on peripheral and central cycle function] Schneider WH, et al. **Ther Umsch 30:516-23, Jul 73 (Eng. Abstr.) (Ger)**

[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L.
Folia Endocrinol (Roma) 26:217-28, Jun 73 (Eng. Abstr.) (Ita)

[Hypothalamo-hypophyseal neurosecretory system (H.-H.N.S.) in cats following removal and isolation of the duodenum. Possible effect of intestinal hormones on the H.-H.N.S.] Skvortsova NB, et al.
Dokl Akad Nauk SSSR 211:252-5, Jul-Aug 73 (Rus)

[Effect of reserpine on the hypothalamo-hypophyseo-adrenal system of the rat in the prenatal and early postnatal periods] Skebel'skaia IuB, et al.
Probl Endokrinol (Mosk) 19:52-7, May-Jun 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

[Differentiation of hypothalamic sex in subhuman primates and in man] Presl J.
Cesk Gynekol 38:446-54, Jul 73 (Cze)

ENZYMOLOGY

The distribution of monoamine oxidase and acetylcholinesterase in the brain of Xenopus laevis tadpoles. Terlou M, et al.
Z Zellforsch Mikrosk Anat 140:261-75, 28 Jun 73

METABOLISM

In vivo uptake of progesterone by the hypothalamus and pituitary of the female ovariectomized rat and its relationship to cytoplasmic progesterone-binding protein. Seiki K, et al. **Endocrinol Jap 20:111-9, Apr 73**

Incorporation of 32P into phospholipids of the hypothalamo-neuro-hypophysial system and subcellular distribution of labelled phospholipids in the rat neural lobe. Bridges TE, et al.
J Endocrinol 58:327-39, Aug 73

PHYSIOLOGY

Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Hoffmann B, et al.
Acta Endocrinol (Kbh) 73:385-95, Jun 73

Contribution on regulation of corticotrophic partial function. Reference to an active negative regulation. Herrmann H.
Acta Endocrinol [Suppl] (Kbh) 173:30, 1973

Osmosensitivity of hypothalamic magnocellular neuroendocrine cells to intracarotid hypertonic D-glucose in the waking monkey. Hayward JN, et al.
Brain Res 57:467-72, 27 Jul 73

Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Wurtman RJ. **Fed Proc 32:1769-71, Jul 73**

[Damage in the development of ovarian cycle regulatory mechanisms by human chorionic gonadotropin] Presl J.
Cesk Gynekol 38:109-10, 1973 (Cze)

[Mathematic modelling of the menstruation cycle] Presl J. **Cesk Gynekol 38:106-9, 1973 (Cze)**

[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)

[Passage from childhood to adolescence. 3. Hormonal aspect] Bertrand J.

Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)
[Examination of the TRH-TSH axis] Escobar del Rey F.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Eng. Abstr.) (Ger)
[Aspects of the regulation of the secretion of somatotropin] Giordano G.
Arch E Maragliano Patol Clin 28:1-43, Jan-Jun 72 (Eng. Abstr.) (Ita)
[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L.
Folia Endocrinol (Roma) 26:217-28, Jun 73 (Eng. Abstr.) (Ita)
[Autonomic nervous system and HCG secretion. I. Effects of catecholamines on the HCG secretion after intravenous loading with tolbutamide or insulin in normal subjects] Carducci Artenisio A, et al.
Folia Endocrinol (Roma) 26:189-205, Jun 73 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Pituitary and gonadal function in hypogonadotrophic hypogonadism. Espiner EA, et al.
Acta Endocrinol (Kbh) 73:209-21, Jun 73
Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al.
Biomedicine [Express] 19:77-81, 10 Feb 73
[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)
[Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martin JA.
Rev Iber Endocrinol 20:269-87, May-Jun 73 (Eng. Abstr.) (Spa)

SECRETION

Quantitative change of dopamine in the tuberohypophyseal tract of the rat under some experimental conditions. Kanyama H.
Arch Histol Jap 35:289-99, May 73
In vitro studies of pituitary-median eminence unit. Miyachi Y, et al. **Endocrinology 93:492-6, Aug 73**
[Experimental arguments in favor of an intragranular localization of the hypothalamo-neurohypophysial hormones of Anguilla anguilla L] Holder FC.
Z Zellforsch Mikrosk Anat 140:315-32, 1973 (Eng. Abstr.) (Fre)

HYPOTHALAMUS

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med 18:363-87, 1972 (97 ref.)**
Pituitary insufficiency, inappropriate antidiuretic hormone (ADH) secretion, and carcinoma of the bronchus. Epstein S, et al. **Cancer 32:476-81, Aug 73**
Clinical applications of thyrotrophin-releasing hormone. Hall R. **Clin Sci 44:2P passim, Feb 73**
LH release following steroid administration in ovariectomized rats. Legan SJ, et al.
Endocrinology 93:781-5, Oct 73
Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts. Spies HG, et al.
Endocrinology 93:814-21, Oct 73
Induction of ingestive responses by cAMP applied into the rat hypothalamus. Rindi G, et al.
Experientia 28:1047-9, 15 Sep 72
Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J.
J Endocrinol 58:xxxivxxxv, Aug 73
Hypothalamic gigantism. Costin G, et al.
J Pediatr 83:419-25, Sep 73
Effects of various secretagogues upon 42K and 22NA uptake during in vitro hormone release from the rat adenohypophysis. Kraicer J, et al.
J Physiol (Lond) 232:221-37, Jul 73
Polypeptide antagonists of the hypothalamic luteinizing hormone releasing factors. Guillemin R, et al. **J Reprod Fertil [Suppl] 18:23-30, Jul 73**
Episodic hypothermia. **Lancet 1:246-7, 4 Aug 73**
An in vitro assay for corticotropin releasing factor(s) using suspensions of isolated pituitary cells. Portanova R, et al. **Neuroendocrinology 12:236-48, 1973**
Primary polyuria accompanies "hunger" elicited by intrahypothalamic injection of noradrenaline. Blundell JE, et al. **Neuropharmacology 12:597-9, Jun 73**
Infuluence of 6-hydroxydopamine on the effect of morphine on the tail-flick latency. Nakamura K, et al. **Psychopharmacologia 31:177-89, 17 Jul 73**
Central dysregulation. Pia HW.
Z Neurol 204:1-21, 16 Mar 73 (58 ref.)
[Characteristics and topography of immunoreactive hypothalamic neurons with antibodies against synthetic LRF] Barry J, et al.
C R Acad Sci [D] (Paris) 276:3191-3, 13 Jun 73 (Fre)
[Precocious puberty and tumors of the 3rd ventricle] Faivre J, et al.
Probl Actuels Endocrinol Nutr 16:201-48, 3 May 73 (Fre)
[Functional diagnosis of the hypothalamo-hypophyseal-adrenal system using radioimmunologic ACTH determination] Fehm HL, et al. **Verh Dtsch Ges Inn Med 78:1515-8, 1972 (Ger)**
[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) (Jap)
[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al.
Folia Endocrinol Jap 49:750-60, 20 May 73 (Eng. Abstr.) (Jap)

ANALYSIS

Histochemical analysis of the neurosecretory product in fishes. Carmignani MP, et al.
Acta Histochem (Jena) 45:232-40, 1973
Effects of alpha-methyltyrosine on REM sleep and brain amine levels in the cat. Stern WC, et al.
Biol Psychiatry 6:301-6, Jun 73
Identification and distribution of beta-phenylethylamine in the rat. Durden DA, et al.
Can J Biochem 51:995-1002, Jul 73
Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV.
Clin Sci 44:1P passim, Feb 73
Glutamate and GABA levels and glutamate decarboxylase activity in brain regions of rats after prolonged treatment with alkali cations. Gottesfeld Z, et al. **Experientia 29:68-9, 1 May 73**
Testosterone and androstanolone in rat plasma and tissues. Robel P, et al. **FEBS Lett 33:218-20, 1 Jul 73**
Nucleic acid and protein content of the frog pars distalis and hypothalamus during the annual reproductive cycle. Rastogi RK, et al.
J Endocrinol 58:129-30, Jul 73
Chemistry of releasing hormones. Sandow J.
J Endocrinol 58:32-3, Aug 73
Restoration of morphine analgesia in morphine-tolerant rats after the intraventricular administration of 6-hydroxydopamine. Nakamura K, et al. **J Pharm Pharmacol 25:584-7, Jul 73**
Catecholamine concentrations in discrete areas of the rat brain after the pre- and neonatal administration of phencyclidine and imipramine. Tonge SR.
J Pharm Pharmacol 25:164-6, Feb 73
Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73
Overeating and obesity from damage to a noradrenergic system in the brain. Ahlskog JE, et al.
Science 182:166-9, 12 Oct 73
The nucleus preopticus and the nucleus lateralis tuberis in the roach, Leuciscus rutilus. Ekengren B.
Z Zellforsch Mikrosk Anat 140:369-88, 1973
[Biochemical and histological arguments in favor of the parallel transport and accumulation of hormones and neurosecretory granules in the hypophysectomized eel] Holder FC.
Z Zellforsch Mikrosk Anat 140:333-55, 1973 (Eng. Abstr.) (Fre)
[Hypothalamic peptide stimulating growth hormone release] Iudaev NA, et al.
Dokl Akad Nauk SSSR 210:731-2, 21 May 73 (Rus)
[Effect of hydrocortisone and aldosterone on the catecholamine level in some tissues of white rats] Kolpakov MG, et al.

Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (Eng. Abstr.) (Rus)
[RNA content in neurons and their cell satellites in the supraoptic nucleus of the rat brain in natural sleep, its REM phase deprivation, and amphetamine insomnia] Voronka GSh, et al.
Ukr Biokhim Zh 44:712-7, 1972 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Some connections of the telencephalon of the frog, Rana pipiens. An experimental study. Halpern M. **Brain Behav Evol** 6:42-68, 1972
Retinohypothalamic projection in mammals: a comparative study. Moore RY.
Brain Res 49:403-9, 30 Jan 73
Feeding and aggressive behavior evoked by hypothalamic stimulation in a cichlid fish. Demski LS.
Comp Biochem Physiol [A] 44:685-92, 1 Mar 73
Related subthalamic structures. Lehman RM.
Confin Neurol 34:200-9, 1972
Acceptance of high concentration saccharin solutions by cats after hypothalamic lesions. Wyrwicka W, et al.
Exp Neurol 40:367-76, Aug 73
Ascending central gustatory pathways. Norgren R, et al. **J Comp Neurol** 150:217-37, 15 Jul 73
A three-dimensional scale model of the human brain stem. Hubbard JE. **Med Biol Illus** 23:78-81, May 73
[Alterations of the interstitial latero-dorsal hypothalamic nucleus in female albino guinea pigs during the prepubescent growth phase of the ovary] Barry J. **C R Soc Biol (Paris)** 166:1720-3, 1972 (Fre)

CYTOLOGY

Lateral hypothalamic nuclei in the macaque (Macaca mulatta) brain: myeloarchitectonics. Smialowski A.
Acta Anat (Basel) 85:332-41, 1973
Supraependymal cells: light and transmission electron microscopy extends scanning electron microscopic demonstration. Coates PW.
Brain Res 57:502-7, 27 Jul 73
Prostaglandins and neurosecretion: a histochemical study. Singh U, et al. **East Afr Med J** 50:199-206, Apr 73
Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al.
Endocrinology 93:711-7, Sep 73
Morphologic sex differences in primate brain areas involved in regulation of reproductive activity. Bubenik GA, et al. **Experientia** 29:619-21, 15 May 73
Effects of diamorphine on various neurones in the rat central nervous system. Lloyd OL.
Nature [New Biol] 243:153-5, 30 May 73
The nucleus preopticus and the nucleus lateralis tuberis in the roach, Leuciscus rutilus. Ekengren B.
Z Zellforsch Mikrosk Anat 140:369-88, 1973
[Characteristics and topography of immunoreactive hypothalamic neurons with antibodies against synthetic LRF] Barry J, et al.
C R Acad Sci [D] (Paris) 276:3191-3, 13 Jun 73 (Fre)
[Ultrastructure of the neurocytes of the infundibular nucleus of the hypothalamus in birds] Dedov II.
Izv Akad Nauk SSSR [Biol] 4:568-73, Jul-Aug 72 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effect of 9 alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis. Kley HK, et al.
Acta Endocrinol (Kbh) 73:417-26, Jul 73
Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73
Centrally induced drinking: comparison of angiotensin II- and carbachol-sensitive sites in rats. Swanson LW, et al. **Am J Physiol** 225:566-73, Sep 73
The effect of ovarian steroids on the uptake of 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue in vitro. Endersby CA, et al.
Br J Pharmacol 47:647P-648P, Mar 73
Effects of intracerebral injections of 5,6-dihydroxytryptamine on central monoamine neurons: evidence for selective degeneration of central 5-hydroxytryptamine neurons. Daly J, et al.
Brain Res 49:476-82, 30 Jan 73
Osmosensitivity of hypothalamic magnocellular neuroendocrine cells to intracarotid hypertonic D-glucose in the waking monkey. Hayward JN, et al.
Brain Res 57:467-72, 27 Jul 73
Effect of 6-hydroxydopamine on daily variations of 5-HT synthesis in the hypothalamus of the rat. Héry F, et al. **Brain Res** 58:135-46, 17 Aug 73
Effects of molindone on CNS structures: neurophysiological and behavioral correlations. Guerrero-Figueroa R, et al.
Curr Ther Res 15:508-19, Jul 73
Prostaglandins and neurosecretion: a histochemical study. Singh U, et al. **East Afr Med J** 50:199-206, Apr 73
Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, et al.
Endocrinology 93:835-42, Oct 73
The quantitative relationship between electrochemical preoptic stimulation and LH release in proestrous versus late-diestrous rats. Everett JW, et al.
Endocrinology 93:947-53, Oct 73
Thyrotropin releasing hormone (TRH): neurotransmitter regulation of secretion by mouse hypothalamic tissue in vitro. Grimm Y, et al.
Endocrinology 93:626-31, Sep 73
Variations in the release of LH in response to electrochemical stimulation of preoptic area and of medial basal hypothalamus during the estrous cycle of the rat. Kalra SP, et al. **Endocrinology** 93:665-9, Sep 73
Changes in body temperature produced by injecting prostaglandin E1, EGTA and bacterial endotoxins into the PO-AH region and the medulla oblongata of the rat. Lipton JM, et al. **Experientia** 29:806-8, 1973
Central glucoprivation: some physiological effects induced by the intraventricular administration of 2-deoxy-d-glucose. Müller EE, et al.
Experientia 29:874-6, 1973
Induction of ingestive responses by cAMP applied into the rat hypothalamus. Rindi G, et al.
Experientia 28:1047-9, 15 Sep 72
Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats. Scacchi P, et al.
Experientia 29:877-8, 1973
The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. Craven RP, et al.
J Endocrinol 58:319-26, Aug 73
Effects of melatonin on the synthesis of proteins by the rat hypothalamus, hypophysis and pineal organ. Orsi L, et al. **J Endocrinol** 58:131-2, Jul 73
Effect of intraventricular injection of 5,7-dihydroxytryptamine on regional tryptophan hydroxylase of rat brain. Baumgarten HG, et al.
J Neurochem 21:251-3, Jul 73
Inhibition of the uptake of 5-hydroxytryptamine, noradrenaline and dopamine into rat brain homogenates by various hydroxylated tryptamines. Horn AS, et al. **J Neurochem** 21:233-6, Jul 73
6-Aminodopamine-induced degeneration of catecholamine neurons. Jonsson G, et al.
J Neurochem 21:117-24, Jul 73
Development of the blood-brain barrier for 6-hydroxydopamine. Sachs C.
J Neurochem 20:1753-60, Jun 73
Restoration of morphine analgesia in morphine-tolerant rats after the intraventricular administration of 6-hydroxydopamine. Nakamura K, et al. **J Pharm Pharmacol** 25:584-7, Jul 73
Neurotransmission and secretion of thyroid-stimulating hormone. Tuomisto J, et al.
Lancet 2:510-1, 1 Sep 73
Safety of hydrolysates in parenteral nutrition. Filer LJ Jr, et al. **N Engl J Med** 289:426-7, 23 Aug 73
Brain-damaging potential of protein hydrolysates. Olney JW, et al. **N Engl J Med** 289:391-5, 23 Aug 73
Effects of diamorphine on various neurones in the rat central nervous system. Lloyd OL.
Nature [New Biol] 243:153-5, 30 May 73
Effects of adrenergic drugs on pressor responses to hypothalamic stimulation. Philippu A, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:373-86, 26 Jul 73
Postweaning development of negative feedback in the pituitary-adrenal system of the rat. Goldman L, et al.
Neuroendocrinology 12:199-211, 1973
Schedule-induced polydipsia: blockade by intrahypothalamic atropine. Carlisle HJ.
Physiol Behav 11:139-43, Aug 73
Modification of behavioral estrus in the guinea pig following intracranial cycloheximide. Wallen K, et al.
Physiol Behav 8:221-3, Feb 72
Sex differences in body weight following gonadectomy.

and goldthioglucose injections in mice. Wright P, et al. **Physiol Behav** 11:155-9, Aug 73

Hypothalamic "coding" in the unanesthetized monkey of noradrenergic sites mediating feeding and thermoregulation. Yaksh TL, et al. **Physiol Behav** 8:251-7, Feb 72

Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat. Arai Y, et al. **Proc Soc Exp Biol Med** 143:656-60, Jul 73

Overeating and obesity from damage to a noradrenergic system in the brain. Ahlskog JE, et al. **Science** 182:166-9, 12 Oct 73

Brain calcium: role in temperature regulation. Hanegan JL, et al. **Science** 181:663-4, 17 Aug 73

The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al. **Tohoku J Exp Med** 110:161-6, Jun 73

[Excitation of the neurons of the median hypothalamus by glutamate and acetylcholine applied by iontophoresis in guinea pigs] Poulain P. **C R Soc Biol (Paris)** 166:1723-6, 1972 **(Fre)**

[The effects of intraventricular administered glutamic acid and oxytoxin on the firing rate of hypothalamic neuronal areas] Schulz H, et al. **Acta Biol Med Ger** 30:197-202, 1973 (Eng. Abstr.) **(Ger)**

[The effects of oxytocin on the Na-glutamate effected EEG of the rabbit] Schwarzberg H, et al. **Acta Biol Med Ger** 30:203-8, 1973 (Eng. Abstr.) **(Ger)**

[The effect of long-term prednisone on growth and on the hypothalmic-pituitary-adrenal axis] Drezner Z, et al. **Harefuah** 85:70-2, 15 Jul 73 (Eng. Abstr.) **(Heb)**

[Experimental electroencephalographic research on the central effect of benzoctamine] Savoldi F, et al. **Farmaco [Sci]** 27:795-9, Sep 72 (Eng. Abstr.) **(Ita)**

[The roles of cholinergic neurons and adrenergic neurons in conditioned avoidance behavior of rats] Yasuda Y. **J Physiol Soc Jap** 35:229-41, May 73 (Eng. Abstr.) **(Jap)**

[The effect of neurotropic substances on the aggressive reaction evoked by electrical stimulation of the hypothalamus] Burov IuV. **Zh Vyssh Nerv Deiat** 22:1019-22, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Differentiation of hypothalamic sex in subhuman primates and in man] Presl J. **Cesk Gynekol** 38:446-54, Jul 73 **(Cze)**

ENZYMOLOGY

Attenuation of amphetamine-induced motor stimulation and stereotypy by 6-hydroxydopamine in the rat. Fibiger HC, et al. **Br J Pharmacol** 47:683-92, Apr 73

Dynamic changes in brain dopamine-beta-hydroxylase activity during anterograde and retrograde reactions to injury of central noradrenergic axons. Reis DJ, et al. **Brain Res** 57:307-26, 27 Jul 73

Glutamate and GABA levels and glutamate decarboxylase activity in brain regions of rats after prolonged treatment with alkali cations. Gottesfeld Z, et al. **Experientia** 29:68-9, 1 May 73

Potentiation of leptazol seizures by 6-hydroxydopamine. Corcoran ME, et al. **J Pharm Pharmacol** 25:497-9, Jun 73

Monoamine oxidase variation during sexual differentiation. Gaziri LC, et al. **Neuroendocrinology** 12:249-56, 1973

GROWTH & DEVELOPMENT

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73

Development of the blood-brain barrier for 6-hydroxydopamine. Sachs C. **J Neurochem** 20:1753-60, Jun 73

Monoamine oxidase variation during sexual differentiation. Gaziri LC, et al. **Neuroendocrinology** 12:249-56, 1973

INJURIES

Dynamic changes in brain dopamine-beta-hydroxylase activity during anterograde and retrograde reactions to injury of central noradrenergic axons. Reis DJ, et al. **Brain Res** 57:307-26, 27 Jul 73

Long-standing traumatic lesions of the hypothalamus. Treip CS. **J Pathol** 109:p13, Jan 73

[Exploratory experimental studies on the existence of a cyclical hypothalmic sexual center in the pig] Döcke F, et al. **Arch Exp Veterinaermed** 26:969-74, Dec 72 (Eng. Abstr.) **(Ger)**

METABOLISM

The ventromedical hypothalamus and metabolic adjustments of feeding behavior. Panksepp J. **Behav Biol** 9:65-75, Jul 73

Formation of catecholamines from phenylalanine in brain--effects of chlorpromazine and catron. Bagchi SP, et al. **Biochem Pharmacol** 22:1353-68, 1 Jun 73

Effect of p-chlorophenylalanine on the interaction between phenelzine and pethidine in conscious rabbits. Mattila MJ, et al. **Biochem Pharmacol** 22:1674-6, 1 Jul 73

Site of inactivation of melanocyte-stimulating hormone-release-inhibiting hormone by human plasma. Nair RM, et al. **Biochem Pharmacol** 22:1915-9, 1 Aug 73

Effect of chloropromazine on 3H-phenazine methosulfate uptake into various regions of rat brain and into subcellular fractions of brain and liver (in vitro). Palmer DS, et al. **Biochem Pharmacol** 22:1677-80, 1 Jul 73

The effect of ovarian steroids on the uptake of 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue in vitro. Endersby CA, et al. **Br J Pharmacol** 47:647P-648P, Mar 73

Structure-activity relations for the inhibition of catecholamine uptake into synaptosomes from noradrenaline and dopaminergic neurones in rat brain homogenates. Horn AS. **Br J Pharmacol** 47:332-8, Feb 73

Effects of morphine and pentazocine on the turnover of noradrenaline and dopamine in various regions of the rat brain. Sugrue MF. **Br J Pharmacol** 47:644P, Mar 73

Influence of sleep-waking and nociceptor-induced behavior on the activity of supraoptic neurons in the hypothalamus of the monkey. Hayward JN, et al. **Brain Res** 57:461-6, 27 Jul 73

Effect of 6-hydroxydopamine on daily variations of 5-HT synthesis in the hypothalamus of the rat. Héry F, et al. **Brain Res** 58:135-46, 17 Aug 73

Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al. **Brain Res** 57:373-86, 27 Jul 73

Retinohypothalamic projection in mammals: a comparative study. Moore RY. **Brain Res** 49:403-9, 30 Jan 73

Distribution and metabolism of tryptamine in rat brain. Wu PH, et al. **Can J Biochem** 51:1104-12, Jul 73

Circadian rhythm of CRF activity in the hypothalamus after stress. Takebe K, et al. **Endocrinol Jap** 19:567-70, Dec 72

Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al. **Endocrinology** 93:711-7, Sep 73

Increased incorporation of 3H-lysine in specific hypothalamic nuclei following castration in the male rat. Litteria M. **Exp Neurol** 40:309-15, Aug 73

Distribution of histamine in 7 brain regions in different species and strains of mammals. Bianco I, et al. **Experientia** 29:791-3, 1973

Evidence for an adipokinetic mechanism in the ventromedial hypothalamus. Panksepp J, et al. **Experientia** 29:793-4, 1973

Concentration of (14 C) aldosterone by various tissues in pregnant rats. Abe K. **J Endocrinol** 56:611-2, Mar 73

Effect of intraventricular injection of 5,7-dihydroxytryptamine on regional tryptophan hydroxylase of rat brain. Baumgarten HG, et al. **J Neurochem** 21:251-3, Jul 73

Plasma and brain tryptophan changes in experimental acute hepatic failure. Curzon G, et al. **J Neurochem** 21:137-45, Jul 73

Inhibition of the uptake of 5-hydroxytryptamine, noradrenaline and dopamine into rat brain homogenates by various hydroxylated tryptamines. Horn AS, et al. **J Neurochem** 21:233-6, Jul 73

6-Aminodopamine-induced degeneration of catecholamine neurons. Jonsson G, et al. **J Neurochem** 21:117-24, Jul 73

Development of the blood-brain barrier for

6-hydroxydopamine. Sachs C.
J Neurochem 20:1753-60, Jun 73

The effect of limb ischaemia on the turnover of noradrenaline in the hypothalamus and brain stem of the rat. Stoner HB, et al. **J Neurochem** 21:223-31, Jul 73

A clinical study of methysergide in Parkinsonism: evidence against a serotonergic mechanism. Klawans HL, et al. **J Neurol Sci** 19:399-405, Aug 73

An antilactogenic effect of pyridoxine. Foukas MD.
J Obstet Gynaecol Br Commonw 80:718-20, Aug 73

Preliminary observations on the uptake of catecholamines in synaptosomes of opiate-treated animals. Boykin ME, et al.
J Pharm Pharmacol 25:484-5, Jun 73

Enhancement by 6-hydroxydopamine of the effects of DOPA upon the motor activity of rats. Schoenfeld RI, et al. **J Pharmacol Exp Ther** 186:616-24, Sep 73

Effects of diamorphine on various neurones in the rat central nervous system. Lloyd OL.
Nature [New Biol] 243:153-5, 30 May 73

Diurnal changes of hypothalamic content of corticotropin-releasing activity in female rats at various stages of the estrous cycle. Hiroshige T, et al.
Neuroendocrinology 12:316-9, 1973

The distribution of beta-phenylethylamine in discrete regions of the rat brain and its effect on brain noradrenaline, dopamine and 5-hydroxytryptamine levels. Jackson DM, et al.
Neuropharmacology 12:663-8, Jul 73

Noradrenergic and cholinergic action on neuronal activity during self-stimulation behavior in the rat. Olds ME, et al. **Neuropharmacology** 12:525-39, Jun 73

Sex differences in the taste preference for a salt solution in the rat. Kreček J, et al.
Physiol Behav 8:183-8, Feb 72

The metabolism of glycerol by hypothalamic and pituitary tissues in vitro in the rat. Goodner CJ, et al.
Proc Soc Exp Biol Med 143:616-22, Jul 73

Biogenic monoamines in the cyclostome and lower vertebrate brain. Baumgarten HG.
Prog Histochem Cytochem 4:1-90, 1972 (122 ref.)

[Hypothalamic monoamines during lactation in golden hamsters] Hermand E.
C R Soc Biol (Paris) 166:1716-20, 1972 **(Fre)**

PATHOLOGY

A case of abnormal thirst. **Br Med J** 3:214-9, 28 Jul 73

Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et al.
J Clin Endocrinol Metab 37:190-6, Aug 73

Scrapie in mice. Agent-strain differences in the distribution and intensity of grey matter vacuolation. Fraser H, et al. **J Comp Pathol** 83:29-40, Jan 73

Scrapie in mice. Some effects on the brain lesion profile of ME7 agent due to genotype of donor, route of injection and genotype of recipient. Outram GW, et al.
J Comp Pathol 83:19-28, Jan 73

Long-standing traumatic lesions of the hypothalamus. Treip CS. **J Pathol** 109:p13, Jan 73

Brain-damaging potential of protein hydrolysates. Olney JW, et al. **N Engl J Med** 289:391-5, 23 Aug 73

[Exploratory experimental studies on the existence of a cyclical hypothalmic sexual center in the pig] Döcke F, et al.
Arch Exp Veterinaermed 26:969-74, Dec 72 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73

Isolated pituitary cells: ACTH secretion and synthesis. Lang R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:29, 1973

The functional significance of "episodic" LH secretion. Souvatzoglou A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973

Influence of the surgical isolation of the hypothalamus on oxotremorine-induced rage reaction and sympathetic response in the cat. Gellén B, et al.
Acta Physiol Acad Sci Hung 42:195-202, 1972

Adenohypophysial growth and thyroxine binding: effects of steroid hormones. Schreiber V, et al.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

Determinants of hypothalamic neuronal thermosensitivity in ground squirrels and rats. Boulant JA, et al. **Am J Physiol** 225:306-10, Aug 73

Changes in thermosensitive characteristics of hypothalamic units over time. Boulant JA, et al.
Am J Physiol 225:311-8, Aug 73

Cardiorespiratory effects of hypothalamic heating in conscious dogs. Phillips HH, et al.
Am J Physiol 225:700-5, Sep 73

Sex differences in the hypothalamic regulation of food hoarding: hormones versus calories. Herberg LJ, et al.
Anim Behav 20:186-91, Feb 72

Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters. Reiter RJ.
Ann Endocrinol (Paris) 33:571-81, Nov-Dec 72

Neurological substrates of aggressive behavior. Clemente CD, et al.
Annu Rev Physiol 35:329-56, 1973 (200 ref.)

Basic drives. Wayner MJ, et al.
Annu Rev Psychol 24:53-80, 1973 (156 ref.)

An analysis of the effects of septal lesions on negatively reinforced behavior. Caplan M.
Behav Biol 9:129-67, Aug 73 (129 ref.)

The immediate development of behavioral and biochemical changes following ventromedial hypothalamic lesions in rats. Harrell EH, et al.
Behav Biol 9:49-63, Jul 73

The ventromedical hypothalamus and metabolic adjustments of feeding behavior. Panksepp J.
Behav Biol 9:65-75, Jul 73

Non-shivering thermogenesis and its thermoregulatory significance. Janský L.
Biol Rev 48:85-132, Feb 73 (264 ref.)

Effects of -methyl-p-tyrosine and L-DOPA on brain self-stimulation and motor activity in rats. Beaugrand J, et al. **Br J Pharmacol** 47:609-12, Mar 73

Spectrum and discriminant analyses reveal remote rather than local sources for hypothalamic EEG: could waves affect unit activity?. Abraham F, et al.
Brain Res 49:349-66, 30 Jan 73

Interaction of neural systems which control body water. Emmers R. **Brain Res** 49:323-47, 30 Jan 73

Osmosensitivity of hypothalamic magnocellular neuroendocrine cells to intracarotid hypertonic D-glucose in the waking monkey. Hayward JN, et al.
Brain Res 57:467-72, 27 Jul 73

Influence of sleep-waking and nociceptor-induced behavior on the activity of supraoptic neurons in the hypothalamus of the monkey. Hayward JN, et al.
Brain Res 57:461-6, 27 Jul 73

Short-term changes in the firing pattern of hypothalamic neurons during Pavlovian conditioning. Olds ME. **Brain Res** 58:95-116, 17 Aug 73

Feeding and aggressive behavior evoked by hypothalamic stimulation in a cichlid fish. Demski LS.
Comp Biochem Physiol [A] 44:685-92, 1 Mar 73

Electrically stimulated ACTH release in pharmacologically blocked rats. Dunn J, et al.
Endocrinology 93:835-42, Oct 73

The quantitative relationship between electrochemical preoptic stimulation and LH release in proestrous versus late-diestrous rats. Everett JW, et al.
Endocrinology 93:947-53, Oct 73

Variations in the release of LH in response to electrochemical stimulation of preoptic area and of medial basal hypothalamus during the estrous cycle of the rat. Kalra SP, et al. **Endocrinology** 93:665-9, Sep 73

Cutaneous temperature and unit activity in the hypothalamic thermoregulatory centers. Knox GV, et al. **Exp Neurol** 40:717-30, Sep 73

Directedness of defensive emotional behavior and motivation for aversive learning. Wada JA, et al.
Exp Neurol 40:445-56, Aug 73

Acceptance of high concentration saccharin solutions by cats after hypothalamic lesions. Wyrwicka W, et al.
Exp Neurol 40:367-76, Aug 73

Evidence for an adipokinetic mechanism in the ventromedial hypothalamus. Panksepp J, et al.
Experientia 29:793-4, 1973

On the importance of a central beta-adrenoceptor site in the antiarrhythmic activity of beta-blockers. Bhargava KP. **Indian Heart J** 24:Suppl 1:157-66, Jun 72

Comparison of behavioral deficits caused by lesions in septal and ventromedial hypothalamic areas of female rats. Singh D. **J Comp Physiol Psychol** 84:370-9, Aug 73

Increased motivation in rats with ventromedial

hypothalamic lesions. Wampler RS.
J Comp Physiol Psychol 84:275-85, Aug 73

The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. Craven RP, et al.
J Endocrinol 58:319-26, Aug 73

Neural mechanisms of pituitary control. Cross BA.
J Endocrinol 58:xxxlxxxii, Aug 73

The control of melanocyte-stimulating hormone secretion. Thody AJ, et al.
J Endocrinol 58:xxxvlxxxvi, Aug 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Axoplasmic transport of dopamine in nigro-striatal neurons. Fibiger HC, et al.
J Neurochem 21:373-85, Aug 73

Extrinsic and central nervous control of colonic motility. A survey of previous and new concepts based on experimental results. Rostad H.
J Oslo City Hosp 23:65-75, Apr 73 (50 ref.)

The effects of heating and cooling the spinal cord and hypothalamus on thermoregulatory behaviour in the pig. Carlisle HJ, et al.
J Physiol (Lond) 231:353-64, Jun 73

The influence of body core temperature and peripheral temperatures on oxygen consumption in the pig. Carlisle HJ, et al. **J Physiol (Lond)** 231:341-52, Jun 73

The ponto-medullary area integrating the defence reaction in the cat and its influence on muscle blood flow. Coote JH, et al.
J Physiol (Lond) 229:257-74, Mar 73

Modification of sympathetic chronotropic carotid sinus reflex responses by hypothalamic stimulation. Keith IC, et al. **J Physiol (Lond)** 232:77P-78P, Jul 73

Renal failure, uncontrollable thirst, and hyperreninemia. Cessation of thirst with bilateral nephrectomy. Rogers PW, et al.
JAMA 225:1236-8, 3 Sep 73

Obesity--a form of malnutrition. Martin MM, et al.
Med Ann DC 42:423-8, Sep 73 (42 ref.)

A survey of growth hormone secretion and action. Merimee TJ, et al.
Metabolism 22:1235-51, Sep 73 (63 ref.)

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

Activation of the central pathway of the baroreceptor reflex, a possible mechanism of the hypotensive action of clonidine. Haeusler G.
Naunyn Schmiedebergs Arch Pharmacol 278:231-46, 1973

Effects of adrenergic drugs on pressor responses to hypothalamic stimulation. Philippu A, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:373-86, 26 Jul 73

Effects of hypothalamic stimulation on pituitary-adrenocortical activity in conscious unrestrained pigeons. Bouillé C, et al.
Neuroendocrinology 12:284-94, 1973

Tissue CRF: an extra-hypothalamic corticotrophin releasing factor (CRF) in the peripheral blood of stressed rats. Lymangrover JR, et al.
Neuroendocrinology 12:225-35, 1973

Increases in plasma growth hormone concentration and naso-anal length in rats following isolation of the medial basal hypothalamus. Mitchell JA, et al.
Neuroendocrinology 12:161-73, 1973

Persistent depression of wood-gnawing following ventromedial hypothalamic lesions in the rat. Beatty WW. **Physiol Behav** 8:383-4, Feb 72

The instrumental response and hypothalamic stimulus-bound drinking. Bollinger SF, et al.
Physiol Behav 8:377-81, Feb 72

The fornix as a reward pathway. Brown RJ, et al.
Physiol Behav 11:47-52, Jul 73

Schedule-induced polydipsia: blockade by intrahypothalamic atropine. Carlisle HJ.
Physiol Behav 11:139-43, Aug 73

Cardiovascular responses of rabbits to ESB: effects of anesthetization, stimulus frequency and pulse-train duration. Francis JS, et al.
Physiol Behav 11:195-203, Aug 73

The effects of pretraining on the bar-pressing performance of VMH-lesioned rats. King BM, et al.
Physiol Behav 11:161-6, Aug 73

Effect of amygdaloid lesions on dietary intake of disproportionate amounts of amino acids. Leung PM, et al. **Physiol Behav** 11:221-6, Aug 73

LH syndrome and brain catecholamine levels after lesions of the nigrostriatal bundle. Oltmans GA, et al.
Physiol Behav 8:69-78, Jan 72

Intracranial self-stimulation patterns in dogs. Sadowski B. **Physiol Behav** 8:189-93, Feb 72

Rat drinking rhythms: central visual pathways and endocrine factors mediating responsiveness to environmental illumination. Stephan FK, et al.
Physiol Behav 8:315-26, Feb 72

A new factor affecting the consumption of ethyl alcohol and other sapid fluids. Wayner MJ, et al.
Physiol Behav 8:345-62, Feb 72

Hypothalamic "coding" in the unanesthetized monkey of noradrenergic sites mediating feeding and thermoregulation. Yaksh TL, et al.
Physiol Behav 8:251-7, Feb 72

Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73

Selective influence of functional interrelations between lateral hypothalamus and dorsal hippocampus on integration of cats approach investigating activity: Behavioural and EEG data. Ungher J, et al. **Rev Roum Neurol** 10:183-99, 1973

Overeating and obesity from damage to a noradrenergic system in the brain. Ahlskog JE, et al.
Science 182:166-9, 12 Oct 73

Glucodynamic hormones modify the recovery period after lateral hypothalamic lesions. Balagura S, et al.
Science 182:59-60, 5 Oct 73

Equipotentiality quantified: the anatomical distribution of the engram. Bartlett F, et al.
Science 181:764-7, 24 Aug 73

Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al.
Science 181:760-1, 24 Aug 73

Spontaneous whole brain slow potential changes during recovery from experimental neurosurgery. Irwin DA, et al. **Science** 181:1176-8, 21 Sep 73

Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation. Shimizu T, et al. **Tohoku J Exp Med** 109:155-61, Feb 73

[Hypothalamic dorso-ventral heterogeneity and autostimulation behavior in mice] Cazala P, et al.
C R Acad Sci [D] (Paris) 276:2573-6, 2 May 73 **(Fre)**

[Hypothalamic monoamines during lactation in golden hamsters] Hermand E.
C R Soc Biol (Paris) 166:1716-20, 1972 **(Fre)**

[The functional significance of intracerebral autostimulation in comparative psychology] Miliaressis E, et al.
Encephale 61:560-73, Nov-Dec 72 **(Fre)**

[Role of the hippocampus in behavior] Ungher J, et al.
Rev Neurol (Paris) 127:295, Aug 72 **(Fre)**

[Obesity: recent progress in study of its pathogenesis] Jéquier E.
Schweiz Med Wochenschr 103:1049-53, 28 Jul 73 (Eng. Abstr.) **(Fre)**

[The effects of intraventricular administered glutamic acid and oxytoxin on the firing rate of hypothalamic neuronal areas] Schulz H, et al.
Acta Biol Med Ger 30:197-202, 1973 (Eng. Abstr.) **(Ger)**

[The effects of oxytocin on the Na-glutamate effected EEG of the rabbit] Schwarzberg H, et al.
Acta Biol Med Ger 30:203-8, 1973 (Eng. Abstr.) **(Ger)**

[Exploratory experimental studies on the existence of a cyclical hypothalmic sexual center in the pig] Döcke F, et al.
Arch Exp Veterinaermed 26:969-74, Dec 72 (Eng. Abstr.) **(Ger)**

[Influence of ACTH, metopirone and cortisone on central regulatory centers] Mühlen K aus der, et al.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 (Eng. Abstr.) **(Ger)**

[The limbic system, its relationship to autonomic regulations and emotions] Lindemann M.
Z Aerztl Fortbild (Jena) 67:322-3, 1 Apr 73 **(Ger)**

[Electric stimulation of the olfactory nerve and diuresis] Orlandi F, et al.
Folia Endocrinol (Roma) 26:152-60, Apr 73 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on the effect of drugs on the hypothalamus. 3. Effects on emotional behavior of rabbits caused by electrical stimulation of the hypothalamus] Yanaura S, et al.
Folia Pharmacol Jap 69:213-27, Jan 73 (Eng. Abstr.) **(Jap)**

[A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. 1.

Changes in brain activity and several functions of the body under the repeated immobilization stress] Yanase M.
J Physiol Soc Jap 35:109-24, Mar 73 (Eng. Abstr.) **(Jap)**

[Participation of the hypophysis and adrenals in regulation of intraocular pressure] Bekauri NV, et al.
Fiziol Zh SSSR 59:1102-7, Jul 73 (Eng. Abstr.) **(Rus)**

[The structuro-functional interrelationships between the hypothalamus and the dorsal and ventral hippocampus in rabbits] Liakas RI.
Fiziol Zh SSSR 59:1023-32, Jul 73 (Eng. Abstr.) **(Rus)**

[Memory] Livanov MN.
Usp Fiziol Nauk 4:19-30, Jan-Mar 73 (14 ref.) **(Rus)**

[Experimental study of emotional states in animals] Val'dman AV, et al.
Usp Fiziol Nauk 4:31-52, Jan-Mar 73 (91 ref.) **(Rus)**

[The influence of the mesencephalic reticular formation on the spatial synchronization of cerebral biopotentials] Ianson ZA.
Zh Vyssh Nerv Deiat 23:159-65, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[The electrical activity and temperature of the brain in white rats during self-stimulation] Latash LP, et al.
Zh Vyssh Nerv Deiat 22:1003-12, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

[A comparative analysis of the electrical activity of the cortex and subcortical formations of the brain during the process of changing conditioned reflexes] Shumilina AI.
Zh Vyssh Nerv Deiat 23:6-14, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[Neurophysiologic mechanisms of sensory satiation] Sudakov KV, et al.
Zh Vyssh Nerv Deiat 23:24-33, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[A conditioned reflex capable of rapid elaboration with simultaneous registration of neuronal activity] Voronin LL, et al.
Zh Vyssh Nerv Deiat 23:636-9, May-Jun 73 **(Rus)**

[Hypothalamus hormone] Aberg B.
Sven Tandlak Tidskr 66:315-7, May 73 **(Swe)**

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal function in patients with pituitary tumours. Faglia G, et al.
Acta Endocrinol (Kbh) 73:223-32, Jun 73

Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Meserve LA, et al. **Dev Psychobiol** 6:123-9, Mar 73

Thermo-regulatory responses to hypothalamic heating in dehydrated rabbits. Turlejska-Stelmasiak E.
Experientia 29:51-2, 1 May 73

Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72

Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. Santen RJ, et al.
J Clin Invest 52:2617-28, Oct 73

[Secretion dynamics of GH in 43 patients with acromegaly] Liuzzi A, et al.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (Eng. Abstr.) **(Ita)**

[State of the neuro-humoral regulation in peptic ulcer] Klykov NV, et al.
Ter Arkh 45:57-61, Apr 73 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation. Yamashita K, et al.
Tohoku J Exp Med 110:161-6, Jun 73

[Effect of the hypothalamus on the motor activity of the small intestine in local irradiation of the head and abdominal area of dogs] Pochechueva GS.
Radiobiologiia 12:931-4, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

SECRETION

On the neurosecretory centres in the hypothalamus and their relationship in reproduction in Tor (Barbus) tor (Ham.). Rai BP. **Acta Anat (Basel)** 85:429-33, 1973

Thyrotropin releasing hormone (TRH): neurotransmitter regulation of secretion by mouse hypothalamic tissue in vitro. Grimm Y, et al.
Endocrinology 93:626-31, Sep 73

Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. Velasco ME, et al. **J Endocrinol** 58:163-76, Aug 73

Regulation of growth hormone secretion in the ovine foetus. Wallace AL, et al. **J Endocrinol** 58:89-95, Jul 73

Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73

Varieties of hypothyroidism. Pittman JA Jr.
Med Ann DC 42:435-9, Sep 73

[Current topics on cerebral amines: with special reference to the topics at the symposium at the annual meeting of Endocrinology Society] Ito S.
Jap J Clin Med 31:2118-21, Jun 73 (13 ref.) **(Jap)**

SURGERY

Further results of stereotaxis in the human hypothalamus in sexual deviations. First use of this operation in addiction to drugs. Müller D, et al.
Neurochirurgia (Stuttg) 16:113-26, Jul 73

NEUROSECRETORY SYSTEMS

ANALYSIS

Incorporation of 32P into phospholipids of the hypothalamo-neuro-hypophysial system and subcellular distribution of labelled phospholipids in the rat neural lobe. Bridges TE, et al.
J Endocrinol 58:327-39, Aug 73

[Biochemical and histological arguments in favor of the parallel transport and accumulation of hormones and neurosecretory granules in the hypophysectomized eel] Holder FC.
Z Zelliforsch Mikrosk Anat 140:333-55, 1973 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Histology of the neurosecretory system and neurohaemal organs of the spider, Argiope aurantia (Lucas). Babu KS. **J Morphol** 141:77-97, Sep 73

Serial section analysis of cells in the microfilariae of Dirofilaria immitis containing neurosecretory-like granules. O'Leary TP, et al.
J Parasitol 59:701-5, Aug 73

Ultrastructure of neurosecretory cells in the frontal ganglion of the tobacco hornworm, Manduca sexta(L). Borg TK, et al. **Tissue Cell** 5:259-67, 1973

[Autoradiographic studies on the synthetic activity of neurosecretory cells in the brain of Platynereis dumerilii during sexual development and regeneration] Müller WA.
Z Zelliforsch Mikrosk Anat 139:487-510, 7 Jun 73 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

[The effect of inhibitory and trophic substances on the secretory cycle of the nervous chain neurons during regeneration in Eisenia foetida Sav. f. typica (Annelid, Oligochete)] Marcel R.
Gen Comp Endocrinol 21:45-59, Aug 73 **(Fre)**

METABOLISM

Ultrastructure of neurosecretory cells in the frontal ganglion of the tobacco hornworm, Manduca sexta(L). Borg TK, et al. **Tissue Cell** 5:259-67, 1973

PHYSIOLOGY

The role of nutrition and endocrine activity in the development of eggs in Culex fatigans. Banerjee S, et al. **Experientia** 29:616-7, 15 May 73

Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Wurtman RJ. **Fed Proc** 32:1769-71, Jul 73

[Secretory cycle of the nervous ganglia cells during regeneration in Eisenia foetida Sav. f. typica (Annelid, Oligochete)] Marcel R.
Gen Comp Endocrinol 21:30-44, Aug 73 (Eng. Abstr.) **(Fre)**

PINEAL BODY

The inhibitory effect of 5-methoxytryptophol on ovarian weight, follicular growth and egg production

of adult white leghorn hens (Gallus domesticus L.). Balemans MG. **J Neural Transm** 34:159-69, 1973

A medulloblastoma-like tumour with melanin formation. Best PV. **J Pathol** 110:109-11, May 73

ANALYSIS

A specific and sensitive enzymatic-isotopic microassay for serotonin in tissues. Saavedra JM, et al. **J Pharmacol Exp Ther** 186:508-15, Sep 73

ANATOMY & HISTOLOGY

Retrograde perfusions of the pineal region and the question of pineal vascular routes to brain and choroid plexuses. Quay WB. **Am J Anat** 137:387-401, Aug 73

The ultrastructure of the pineal ganglion in the ferret. David GF, et al. **J Anat** 115:79-97, May 73

Structure and innervation of the pineal gland of the rabbit, Oryctolagus cuniculus (L.). I. A light microscopic investigation. Romijn HJ. **Z Zellforsch Mikrosk Anat** 139:473-85, 7 Jun 73

BLOOD SUPPLY

Retrograde perfusions of the pineal region and the question of pineal vascular routes to brain and choroid plexuses. Quay WB. **Am J Anat** 137:387-401, Aug 73

Veins draining the pineal body. An anatomical and neuroradiological study of "pineal veins". Tamaki N, et al. **J Neurosurg** 39:448-54, Oct 73

CYTOLOGY

Zinc iodide-osmium tetroxide reactive substances in the matrix of granulated vesicles in the rat pineal nerves. Pellegrino de Iraldi A, et al. **Experientia** 29:844-6, 1973

DRUG EFFECTS

Neuroendocrine control of the cyclic AMP system of brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

Zinc iodide-osmium tetroxide reactive substances in the matrix of granulated vesicles in the rat pineal nerves. Pellegrino de Iraldi A, et al. **Experientia** 29:844-6, 1973

Effects of melatonin on the synthesis of proteins by the rat hypothalamus, hypophysis and pineal organ. Orsi L, et al. **J Endocrinol** 58:131-2, Jul 73

The regulation of pineal serotonin by a beta adrenergic receptor. Brownstein M, et al. **J Pharmacol Exp Ther** 186:109-13, Jul 73

Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Lynch HJ, et al. **Proc Natl Acad Sci USA** 70:1704-7, Jun 73

EMBRYOLOGY

Biosynthesis of a vasotocin-like peptide in cell cultures from pineal glands of human fetuses. Pavel S, et al. **Science** 181:1252-3, 28 Sep 73

ENZYMOLOGY

Acetylcholinesterase activity is decreased after sexual maturation in bovine pineal gland. Aro S, et al. **Acta Physiol Scand** 87:575-6, Apr 73

Neuroendocrine control of the cyclic AMP system of brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

The ultrastructure of the pineal ganglion in the ferret. David GF, et al. **J Anat** 115:79-97, May 73

Effects of melatonin on the synthesis of proteins by the rat hypothalamus, hypophysis and pineal organ. Orsi L, et al. **J Endocrinol** 58:131-2, Jul 73

The regulation of pineal serotonin by a beta adrenergic receptor. Brownstein M, et al. **J Pharmacol Exp Ther** 186:109-13, Jul 73

A specific and sensitive enzymatic-isotopic microassay for serotonin in tissues. Saavedra JM, et al. **J Pharmacol Exp Ther** 186:508-15, Sep 73

Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Lynch HJ, et al. **Proc Natl Acad Sci USA** 70:1704-7, Jun 73

ETIOLOGY

Structure and innervation of the pineal gland of the rabbit, Oryctolagus cuniculus (L.). I. A light microscopic investigation. Romijn HJ. **Z Zellforsch Mikrosk Anat** 139:473-85, 7 Jun 73

GROWTH & DEVELOPMENT

Neuroendocrine control of the cyclic AMP system of brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

METABOLISM

Neuroendocrine control of the cyclic AMP system of brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

Zinc iodide-osmium tetroxide reactive substances in the matrix of granulated vesicles in the rat pineal nerves. Pellegrino de Iraldi A, et al. **Experientia** 29:844-6, 1973

The regulation of pineal serotonin by a beta adrenergic receptor. Brownstein M, et al. **J Pharmacol Exp Ther** 186:109-13, Jul 73

Adrenergic-adenosine 3',5'-monophosphate regulation of serotonin N-acetyltransferase activity and the temporal relationship of serotonin N-acetyltransferase activity synthesis of 3H-N-acetylserotonin and 3H-melatonin in the cultured rat pineal gland. Klein D, et al. **J Pharmacol Exp Ther** 186:516-27, Sep 73

Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Lynch HJ, et al. **Proc Natl Acad Sci USA** 70:1704-7, Jun 73

Biosynthesis of a vasotocin-like peptide in cell cultures from pineal glands of human fetuses. Pavel S, et al. **Science** 181:1252-3, 28 Sep 73

PATHOLOGY

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al. **J Neurosurg** 39:455-62, Oct 73

[Multicystic cavitation of the pineal gland] Drut R. **Arch Fund Roux Ocefa** 6:243-6, 1972 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Lack of effect of pinealectomy on the diurnal rhythm in drug metabolism. Heikkinen E, et al. **Acta Pharmacol Toxicol (Kbh)** 32:157-60, 1973

Acetylcholinesterase activity is decreased after sexual maturation in bovine pineal gland. Aro S, et al. **Acta Physiol Scand** 87:575-6, Apr 73

Retrograde perfusions of the pineal region and the question of pineal vascular routes to brain and choroid plexuses. Quay WB. **Am J Anat** 137:387-401, Aug 73

Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters. Reiter RJ. **Ann Endocrinol (Paris)** 33:571-81, Nov-Dec 72

Pineal-gonad relationships in the lamprey Lampetra fluviatilis. Joss JM. **Gen Comp Endocrinol** 21:118-22, Aug 73

The pineal complex, melatonin, and color change in the lamprey Lampetra. Joss JM. **Gen Comp Endocrinol** 21:188-95, Aug 73

Ovulatory and body weight response of the hamster to constant light or pinealectomy. Morin LP. **Neuroendocrinology** 12:192-8, 1973

Rat drinking rhythms: central visual pathways and endocrine factors mediating responsiveness to environmental illumination. Stephan FK, et al. **Physiol Behav** 8:315-26, Feb 72

[Biological circadian rhythm] Karppanen H. **Duodecim** 89:529-37, 1973 (Eng. Abstr.) **(Fin)**

RADIOGRAPHY

Veins draining the pineal body. An anatomical and neuroradiological study of "pineal veins". Tamaki N, et al. **J Neurosurg** 39:448-54, Oct 73

SURGERY

Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters.

Reiter RJ.
Ann Endocrinol (Paris) 33:571-81, Nov-Dec 72
The pineal complex, melatonin, and color change in the lamprey Lampetra. Joss JM.
Gen Comp Endocrinol 21:188-95, Aug 73
Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73
A rapid and reliable technique for pinealectomizing rats. Bliss DK, et al. **Physiol Behav** 11:111-2, Jul 73

11. Disorders of the Amygdaloid Body

HYPOTHALAMUS

INJURIES

Dynamic changes in brain dopamine-beta-hydroxylase activity during anterograde and retrograde reactions to injury of central noradrenergic axons. Reis DJ, et al. **Brain Res 57:307-26, 27 Jul 73**

[Exploratory experimental studies on the existence of a cyclical hypothalmic sexual center in the pig] Döcke F, et al.
Arch Exp Veterinaermed 26:969-74, Dec 72 (Eng. Abstr.) (Ger)

PINEALOMA

CEREBROSPINAL FLUID

Meningitis and brain tumour. Arnstein EJ, et al. **Lancet 1:262-3, 4 Aug 73**

COMPLICATIONS

[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al.
Folia Endocrinol Jap 49:750-60, 20 May 73 (Eng. Abstr.) (Jap)

Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al.
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) (Jap)

DIAGNOSIS

TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73

Veins draining the pineal body. An anatomical and neuroradiological study of "pineal veins". Tamaki N, et al. **J Neurosurg 39:448-54, Oct 73**

Tumors of the lateral ventricle (apropos of 26 cases)] Lapras C, et al.
Neurochirurgie 18:491-502, Nov 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Pineal germinoma. Long-term survival despite hematogenous metastases. Borden S 4th, et al. **Am J Dis Child 126:214-6, Aug 73**

ETIOLOGY

Meningitis and brain tumour. Arnstein EJ, et al. **Lancet 1:262-3, 4 Aug 73**

METABOLISM

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73

OCCURRENCE

Tumours of the central nervous system in Zambia. Chuke PO, et al. **Afr J Med Sci 4:107-10, Apr 73**

Intracranial neoplasms in Malaysia. Selby R, et al. **Int Surg 58:536-41, Aug 73**

PATHOLOGY

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73

RADIOGRAPHY

Pineal germinoma. Long-term survival despite hematogenous metastases. Borden S 4th, et al. **Am J Dis Child 126:214-6, Aug 73**

RADIOTHERAPY

Pineal germinoma. Long-term survival despite hematogenous metastases. Borden S 4th, et al. **Am J Dis Child 126:214-6, Aug 73**

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73

SURGERY

Clinicopathological study of 53 tumors of the pineal region. DeGirolami U, et al.
J Neurosurg 39:455-62, Oct 73

[Visual-speech disconnexion syndrome of the right visual cortex after transection of the splenium of the corpus callosum] Iwata M, et al.
Clin Neurol (Tokyo) 13:308-16, May 73 (Eng. Abstr.) (Jap)

THERAPY

Pineal germinoma. Long-term survival despite hematogenous metastases. Borden S 4th, et al. **Am J Dis Child 126:214-6, Aug 73**

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING FACTOR

Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73

ANALYSIS

Chemistry of releasing hormones. Sandow J.
J Endocrinol 58:32-3, Aug 73
Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Portanova R, et al.
Proc Soc Exp Biol Med 143:661-6, Jul 73

ANTAGONISTS & INHIBITORS

Evidence for two corticosteroid receptor mechanisms in the feedback control of corticotrophin secretion. Jones MT, et al. **J Physiol (Lond) 232:97P-98P, Jul 73**

BLOOD

Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF. Upton GV, et al.
Acta Endocrinol (Kbh) 73:437-43, Jul 73
Tissue CRF: an extra-hypothalamic corticotrophin releasing factor (CRF) in the peripheral blood of stressed rats. Lymangrover JR, et al.
Neuroendocrinology 12:225-35, 1973

METABOLISM

Circadian rhythm of CRF activity in the hypothalamus after stress. Takebe K, et al.
Endocrinol Jap 19:567-70, Dec 72
Diurnal changes of hypothalamic content of corticotropin-releasing activity in female rats at various stages of the estrous cycle. Hiroshige T, et al.
Neuroendocrinology 12:316-9, 1973

PHARMACODYNAMICS

An in vitro assay for corticotropin releasing factor(s) using suspensions of isolated pituitary cells. Portanova R, et al. **Neuroendocrinology 12:236-48, 1973**
[Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH] Yoshimura F.
Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) (Jap)

MELATONIN

ADMINISTRATION & DOSAGE

Serum sodium and potassium and blood glucose levels in cynamolgus monkeys after administration of melatonin. Burns JK.
J Physiol (Lond) 232:84P-85P, Jul 73

BIOSYNTHESIS

Adrenergic-adenosine 3',5'-monophosphate regulation of serotonin N-acetyltransferase activity and the temporal relationship of serotonin N-acetyltransferase activity synthesis of 3H-N-acetylserotonin and 3H-melatonin in the cultured rat pineal gland. Klein D, et al.
J Pharmacol Exp Ther 186:516-27, Sep 73
Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Lynch HJ, et al.
Proc Natl Acad Sci USA 70:1704-7, Jun 73

PHARMACODYNAMICS

Inhibitory effects of melatonin on HCG-induced stimulation of uterine and ovarian growth in infantile mice. König A, et al.
Acta Endocrinol [Suppl] (Kbh) 173:150, 1973
The pineal complex, melatonin, and color change in the lamprey Lampetra. Joss JM.
Gen Comp Endocrinol 21:188-95, Aug 73
The effect of melatonin on insulin secretion in the rat and mouse. Atkins, et al. **J Endocrinol 58:17-8, Jul 73**
Effects of melatonin on the synthesis of proteins by the rat hypothalamus, hypophysis and pineal organ. Orsi L, et al. **J Endocrinol 58:131-2, Jul 73**
Serum sodium and potassium and blood glucose levels in cynamolgus monkeys after administration of melatonin. Burns JK.
J Physiol (Lond) 232:84P-85P, Jul 73

PITUITARY HORMONE RELEASING FACTORS

Synthesis of a decapeptide with the biological activity of porcine LH releasing hormone. Zech K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:80, 1973
Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion. Zárate A, et al. **Am J Obstet Gynecol 116:1121-3, 15 Aug 73**
Growth hormone responses to hypoglycaemia and arginine tests in hyperthyroid and hypothyroid patients. Neri V, et al.
Folia Endocrinol (Roma) 26:102-9, Apr 73
Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Neri V, et al.
Folia Endocrinol (Roma) 25:143-52, Apr 72
Inactivation of melanocyte-stimulating hormone release-inhibiting factor by a manganese-stimulated bovine brain aminopeptidase. Simmons WH, et al.
J Biol Chem 248:5780-4, 25 Aug 73
Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LRH) in patients with active acromegaly. Faglia G, et al.
J Clin Endocrinol Metab 37:338-40, Aug 73
Luteinizing hormone-releasing factor (LRF) in plasma of postmenopausal women. Seyler LE Jr, et al.
J Clin Endocrinol Metab 37:197-203, Aug 73
Neural mechanisms of pituitary control. Cross BA.
J Endocrinol 58:xxxiixxii, Aug 73
Preparation of antisera to luteinizing hormone releasing factor. Jeffcoate SL, et al.
J Endocrinol 58:xix, Jul 73
Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative. Schreiber B, et al.
Physiol Bohemoslov 22:11-7, 1973
[Characteristics and topography of immunoreactive hypothalamic neurons with antibodies against synthetic LRF] Barry J, et al.
C R Acad Sci [D] (Paris) 276:3191-3, 13 Jun 73 (Fre)
[Aspects of the regulation of the secretion of somatotropin] Giordano G.
Arch E Maragliano Patol Clin 28:1-43, Jan-Jun 72 (Eng. Abstr.) (Ita)
[Structure and function of releasing factors] Yanaihara N. **Clin Endocrinol (Tokyo) 21:353-8, Apr 73 (Jap)**

ADMINISTRATION & DOSAGE

LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al.
Acta Endocrinol [Suppl] (Kbh) 173:89, 1973
Response of plasma LH in male pigs to synthetic LH-FSHRH. Ellendorff F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:83, 1973
Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

NEUROENDOCRINOLOGY

Hormonal response to multiple stimulation with synthetic luteinizing hormone-releasing hormone (LH-RH) in amenorrhoic women. Römmler A, et al. **Acta Endocrinol [Suppl] (Kbh) 173:87, 1973**

Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:85, 1973**

Pituitary reserve capacity and pituitary responsiveness to LH-RH during the estrus cycle in sheep. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:84, 1973**

Evidence for partial refractoriness of the human pituitary. Schneider HP, et al. **Acta Endocrinol [Suppl] (Kbh) 173:86, 1973**

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al. **Acta Endocrinol [Suppl] (Kbh) 173:93, 1973**

The effect of intravenously infused synthetic LRH on LH, testosterone and dihydrotestosterone in the plasma of normal male subjects. Tamm J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:91, 1973**

Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. **Folia Endocrinol (Roma) 26:180-8, Jun 73**

Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH). Golter TD, et al. **J Anim Sci 37:123-7, Jul 73**

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J. **J Endocrinol 58:xxxivxxxv, Aug 73**

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol 58:33-4, Aug 73**

Induction and promotion of ovulation with single intramuscular injection of LH-RH] Nakamura Y, et al. **Clin Endocrinol (Tokyo) 21:607-14, Jun 73 (Jap)**

ANALYSIS

Histochemical analysis of the neurosecretory product in fishes. Carmignani MP, et al. **Acta Histochem (Jena) 45:232-40, 1973**

Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV. **Clin Sci 44:1P passim, Feb 73**

Chemistry of releasing hormones. Sandow J. **J Endocrinol 58:32-3, Aug 73**

ANTAGONISTS & INHIBITORS

Site of inactivation of melanocyte-stimulating hormone-release-inhibiting hormone by human plasma. Nair RM, et al. **Biochem Pharmacol 22:1915-9, 1 Aug 73**

Inactivation of melanocyte-stimulating hormone release-inhibiting factor by a manganese-stimulated bovine brain aminopeptidase. Simmons WH, et al. **J Biol Chem 248:5780-4, 25 Aug 73**

A peptide inhibitor of luteinizing hormone-releasing hormone (LH-RH). Coy DH, et al. **J Clin Endocrinol Metab 37:331-3, Aug 73**

Chemistry of releasing hormones. Sandow J. **J Endocrinol 58:32-3, Aug 73**

Polypeptide antagonists of the hypothalamic luteinizing hormone releasing factors. Guillemin R, et al. **J Reprod Fertil [Suppl] 18:23-30, Jul 73**

Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al. **Lancet 2:581-4, 15 Sep 73**

Solid-phase total synthesis of a tetradecapeptide having the chemical and biological properties of somatostatine] Rivier J, et al. **C R Acad Sci [D] (Paris) 276:2737-40, 9 May 73 (Fre)**

BLOOD

Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al. **Horm Metab Res 5:266-70, Jul 73**

CHEMICAL SYNTHESIS

Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. **J Med Chem 16:827-9, Jul 73**

DIAGNOSTIC USE

LH-RH-test of pituitary function in ovarian insufficiencies. Czygan PJ, et al. **Acta Endocrinol [Suppl] (Kbh) 173:89, 1973**

The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al. **Acta Endocrinol [Suppl] (Kbh) 173:94, 1973**

The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids. Robyn C, et al. **Acta Endocrinol [Suppl] (Kbh) 173:88, 1973**

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al. **Acta Endocrinol [Suppl] (Kbh) 173:93, 1973**

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Job JC, et al. **Biomedicine [Express] 19:77-81, 10 Feb 73**

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J. **J Endocrinol 58:xxxivxxxv, Aug 73**

Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. Marshall JC, et al. **J Endocrinol 58:33-4, Aug 73**

[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al. **Ann Med Interne (Paris) 123:1041-6, Dec 72 (Fre)**

[Diagnosis and ovulation induction with LH-RH] Mizuguchi H, et al. **Clin Endocrinol (Tokyo) 21:365-72, Apr 73 (Jap)**

[LH-RH-induced gonadotropin release and its clinical study] Saito K, et al. **Clin Endocrinol (Tokyo) 21:373-8, Apr 73 (Jap)**

ISOLATION & PURIFICATION

Chemistry of releasing hormones. Sandow J. **J Endocrinol 58:32-3, Aug 73**

G.H.R.I.H.: an omission in methods. McNeilly AS, et al. **Lancet 2:744, 29 Sep 73**

[Hypothalamic peptide stimulating growth hormone release] Iudaev NA, et al. **Dokl Akad Nauk SSSR 210:731-2, 21 May 73 (Rus)**

METABOLISM

The effect of chlorpromazine on plasma growth hormone levels in acromegaly. Heesen D, et al. **Acta Endocrinol [Suppl] (Kbh) 173:102, 1973**

LH-RH interaction with the pituitary plasma membrane. Spona J. **FEBS Lett 34:24-6, 1 Aug 73**

[Menstruation disorders during adolescence] Rey-Stocker I. **Ther Umsch 30:486-90, Jul 73 (Eng. Abstr.) (Fre)**

PHARMACODYNAMICS

Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects. Haug E, et al. **Acta Endocrinol (Kbh) 73:465-74, Jul 73**

Interaction of prostaglandins and LH-RH in vitro. Babej M, et al. **Acta Endocrinol [Suppl] (Kbh) 173:81, 1973**

Response of plasma LH in male pigs to synthetic LH-FSHRH. Ellendorff F, et al. **Acta Endocrinol [Suppl] (Kbh) 173:83, 1973**

The effects of LH-RH infusion on plasma concentrations of LH, testosterone and cortisol in the male. Kley HK, et al. **Acta Endocrinol [Suppl] (Kbh) 173:92, 1973**

Hormonal response to multiple stimulation with synthetic luteinizing hormone-releasing hormone (LH-RH) in amenorrhoic women. Römmler A, et al. **Acta Endocrinol [Suppl] (Kbh) 173:87, 1973**

Influence of steroid hormones on the response to LH-RH in the eye-ovary-transplant of the rabbit. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:82, 1973**

Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh) 173:85, 1973**

Pituitary reserve capacity and pituitary responsiveness

to LH-RH during the estrus cycle in sheep. Sandow J, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:84, 1973

Evidence for partial refractoriness of the human pituitary. Schneider HP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:86, 1973

LH-secretion after synthetic LH-RH in the male under normal and pathological conditions. Schulz F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973

The effect of intravenously infused synthetic LRH on LH, testosterone and dihydrotestosterone in the plasma of normal male subjects. Tamm J, et al.
Acta Endocrinol [Suppl] (Kbh) 173:91, 1973

ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Wiegelmann W, et al.
Acta Endocrinol [Suppl] (Kbh) 173:95, 1973

Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV.
Clin Sci 44:1P passim, Feb 73

Time interval between injection of estradiol benzoate and LH release in the rat and effect of actinomycin D or cycloheximide. Jackson GL.
Endocrinology 93:887-92, Oct 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al.
Endocrinology 93:903-14, Oct 73

LH release following steroid administration in ovariectomized rats. Legan SJ, et al.
Endocrinology 93:781-5, Oct 73

Estrogen-dependent 24-hour periodicity in pituitary LH release in the female hamster. Norman RL, et al.
Endocrinology 93:965-70, Oct 73

Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro. Schally AV, et al.
Endocrinology 93:893-902, Oct 73

The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73

Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts. Spies HG, et al.
Endocrinology 93:814-21, Oct 73

Gonadotrophin release from human foetal pituitary cultures induced by fragments of the luteinizing hormone-releasing hormone. Groom GV, et al.
FEBS Lett 33:57-60, 15 Jun 73

LH-RH interaction with the pituitary plasma membrane. Spona J. **FEBS Lett** 34:24-6, 1 Aug 73

Pituitary response to gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects. Lafuenti G, et al. **Folia Endocrinol (Roma)** 26:180-8, Jun 73

Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men. Mühlen A von zur, et al.
Horm Metab Res 5:266-70, Jul 73

The effect of synthetic luteinizing hormone-releasing hormone on blood levels of luteinizing hormone and follicle stimulating hormone in Klinefelter patients. Lundberg PO, et al. **Int J Fertil** 18:97-100, 1973

Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH). Golter TD, et al.
J Anim Sci 37:123-7, Jul 73

Preliminary observations on the effects of luteinizing hormone releasing factor and oestradiol-17beta on plasma gonadotrophin levels in the anoestrous ewe. Symons AM, et al. **J Endocrinol** 58:12-3, Jul 73

Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine. Coy DH, et al. **J Med Chem** 16:827-9, Jul 73

The effects of a synthetic preparation of gonadotrophin releasing factor on pituitary and ovarian function in anoestrous ewes. Crighton DB, et al.
J Physiol (Lond) 231:98P-99P, Jun 73

Effects of various secretagogues upon 42K and 22NA uptake during in vitro hormone release from the rat adenohypophysis. Kraicer J, et al.
J Physiol (Lond) 232:221-37, Jul 73

Release of LH by synthetic LH-RH in the monkey, Macaca fascicularis. Mori J, et al.
J Reprod Fertil 34:155-7, Jul 73

[Diagnosis and ovulation induction with LH-RH] Mizuguchi H, et al.
Clin Endocrinol (Tokyo) 21:365-72, Apr 73 **(Jap)**

[LH-RH-induced gonadotropin release and its clinical study] Saito K, et al.
Clin Endocrinol (Tokyo) 21:373-8, Apr 73 **(Jap)**

[Hypothalamic peptide stimulating growth hormone release] Iudaev NA, et al.
Dokl Akad Nauk SSSR 210:731-2, 21 May 73 **(Rus)**

PHYSIOLOGY

Variations in the release of LH in response to electrochemical stimulation of preoptic area and of medial basal hypothalamus during the estrous cycle of the rat. Kalra SP, et al. **Endocrinology** 93:665-9, Sep 73

[Gonadotropic secretion during normal and delayed puberty] Franchimont P, et al.
Probl Actuels Endocrinol Nutr 16:129-40, 3 May 73 **(Fre)**

[Action mechanism of releasing factors] Kaneko T.
Clin Endocrinol (Tokyo) 21:359-64, Apr 73 **(Jap)**

[Structure and function of releasing factors] Yanaihara N. **Clin Endocrinol (Tokyo)** 21:353-8, Apr 73 **(Jap)**

[Hypothalamus hormone] Aberg B.
Sven Tandlak Tidskr 66:315-7, May 73 **(Swe)**

SECRETION

The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)

Superfusion of hemipituitaries with portal blood. I. LRF secretion in castrated and diestrous rats. Ben-Jonathan N, et al.
Endocrinology 93:497-503, Aug 73

Hypophysial feed-back in the hypothalamic regulation of luteinizing hormone secretion. Nallar R, et al.
Experientia 29:878-9, 1973

The effects of halothane on ovulation in the rat. Whitehead S, et al. **Experientia** 29:880-1, 1973

[Current views and prospects about the interactions between catecholamines and sex hormones in the regulation of the secretion of gonadotropins] Annunziato L.
Folia Endocrinol (Roma) 26:217-28, Jun 73 (Eng. Abstr.) **(Ita)**

[Diagnosis and ovulation induction with LH-RH] Mizuguchi H, et al.
Clin Endocrinol (Tokyo) 21:365-72, Apr 73 **(Jap)**

THERAPEUTIC USE

Therapeutic aspects of LH-RH in ovarian insufficiency. Lehmann F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973

Hypothalamic LH and FSH releasing hormone; physiological and clinical studies. Schally AV.
Clin Sci 44:1P passim, Feb 73

Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women. Bonnar J.
J Endocrinol 58:xxxivxxxv, Aug 73

[Significance of timing ovulation induction using HCG or synthetic LH-RH in therapy of sterility] Gigon U, et al.
Geburtshilfe Frauenheilkd 33:567-75, Jul 73 (Eng. Abstr.) **(Ger)**

THYROTROPIN RELEASING FACTOR

Effect of synthetic TRF on prolactin release in the sheep. Fell LR, et al. **Endocrinology** 93:487-91, Aug 73

Inactivation of melanocyte-stimulating hormone release-inhibiting factor by a manganese-stimulated bovine brain aminopeptidase. Simmons WH, et al.
J Biol Chem 248:5780-4, 25 Aug 73

Thyrotrophin-releasing hormone in schizophrenia. Benjafield JG, et al. **Lancet** 2:444, 25 Aug 73

[Structure and function of releasing factors] Yanaihara N. **Clin Endocrinol (Tokyo)** 21:353-8, Apr 73 **(Jap)**

ADMINISTRATION & DOSAGE

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73

Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. **J Biol Chem** 248:6180-6, 10 Sep 73

Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al.
J Clin Invest 52:2324-9, Sep 73

Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid

hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al.
J Clin Invest 52:2305-12, Sep 73
Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man, with special reference to the evaluation for TRF test. Otsuki M, et al. **Kobe J Med Sci** 18:215-28, Dec 72
[Examination of the TRH-TSH axis] Escobar del Rey F. **Rev Iber Endocrinol** 20:235-67, May-Jun 73 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73

ANALYSIS

Chemistry of releasing hormones. Sandow J.
J Endocrinol 58:32-3, Aug 73
Hyperthyroidism with unusual thyroid stimulator detected in the pituitary gland] Koshiji Y, et al.
Clin Endocrinol (Tokyo) 21:317-21, Mar 73 **(Jap)**

ANTAGONISTS & INHIBITORS

Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al.
J Clin Invest 52:2324-9, Sep 73
Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly. Hall R, et al.
Lancet 2:581-4, 15 Sep 73

BLOOD

Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al.
Horm Metab Res 5:289-92, Jul 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. **J Clin Invest** 52:1616-9, Jul 73
Radioassay and the thyroid gland. Robbins J.
Metabolism 22:1021-6, Aug 73 (42 ref.)
Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al.
Biomedicine [Express] 19:164-8, 10 Apr 73 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Biological activity of synthetic thyrotropin releasing factor] Iudaev NA, et al.
Probl Endokrinol (Mosk) 19:50-2, May-Jun 73 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (108 ref.)
Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73
Clinical applications of thyrotrophin-releasing hormone. Hall R. **Clin Sci** 44:2P passim, Feb 73
TRF test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Endocrinol Jap 20:149-55, Apr 73
Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone. Patel YC, et al.
Clin Endocrinol Metab 37:190-6, Aug 73
Endocrine studies in anencephaly. Hayek A, et al.
Clin Invest 52:1636-41, Jul 73
Thyrotrophin releasing hormone and thyroid function. Hall R. **J Endocrinol** 58:xxxv, Aug 73
[Pituitary reactivity to thyrotropin releasing hormone (TRH) in patients with hyperthyroidism considered as clinically cured] Beckers C, et al.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
[Effects of TSH releasing factor (TRH) and LH releasing factor (LH-RH) in hypopituitarism] Chaussain JL, et al.
Ann Med Interne (Paris) 123:1041-6, Dec 72 **(Fre)**
[Child hypothyroidism due to isolated defect in hypophyseal thyroid stimulating hormone] Job JC, et al. **Arch Fr Pediatr** 30:61-4, Jan 73 (Eng. Abstr.) **(Fre)**
[Effects of synthetic thyrotropin releasing hormone on values of serum TSH in children] Nakajima H, et al.
Clin Endocrinol (Tokyo) 21:513-6, May 73 **(Jap)**
[Thyrotropin releasing factor (TRF) test: standardization of pituitary TSH secretion potential test and results in various endocrine diseases] Otsuki M, et al.
Clin Endocrinol (Tokyo) 21:307-16, Mar 73 **(Jap)**
[Clinical cases with interesting responses in TRF tests] Sakota M, et al.
Clin Endocrinol (Tokyo) 21:431-7, Apr 73 **(Jap)**
[Clinical study of TRF test. 6. Hypothalamic hypothyroidism] Sakoda M, et al.
Folia Endocrinol Jap 49:750-60, 20 May 73 (Eng. Abstr.) **(Jap)**
[Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders] Sakoda M, et al.
Folia Endocrinol Jap 49:761-8, 20 May 73 (Eng. Abstr.) **(Jap)**
[Studies on the thyroid function in the aged as viewed from TRH-TSH system] Kobayashi T, et al.
J Jap Soc Intern Med 62:610-9, 10 Jun 73 **(Jap)**
[The usefulness of TRF (thyrotropin releasing factor) test in patients with hypothalamic-pituitary disorders] Otsuki M, et al.
J Jap Soc Intern Med 62:353-9, Apr 73 **(Jap)**
[Functional exploration of the TRH-TSH thyroid axis. Tests of hypophyseal reserve] Sánchez Martín JA.
Rev Iber Endocrinol 20:269-87, May-Jun 73 (Eng. Abstr.) **(Spa)**

METABOLISM

Ophthalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes". Pfeiffer M, et al. **Adv Metab Disord** 2:Suppl 2:317-22, 1973
Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. **J Biol Chem** 248:6180-6, 10 Sep 73
Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. **J Clin Invest** 52:1616-9, Jul 73
[Possibilities in the use of thyrotropin-releasing hormone (TRH)] Retiene K, et al.
Med Klin 68:1146-50, 7 Sep 73 **(Ger)**

PHARMACODYNAMICS

Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al.
Acta Endocrinol (Kbh) 73:455-64, Jul 73
The release of TSH from organ cultures of human fetal pituitary glands. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 173:13, 1973
Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Polosa P, et al.
Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72
The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
Influence of dexamethasone on TRF induced TSH release in rats. Fukatsu H, et al.
Endocrinol Jap 20:81-4, Feb 73
Effect of synthetic TRF on prolactin release in the sheep. Fell LR, et al. **Endocrinology** 93:487-91, Aug 73
Effects of cations and colchicine on the release of prolactin and growth hormone by functional pituitary tumor cells in culture. Gautvik KM, et al.
Endocrinology 93:793-9, Oct 73
Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Faglia G, et al.
Horm Metab Res 5:289-92, Jul 73
Effects of thyrotropin-releasing hormone and

hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. Dannies PS, et al. **J Biol Chem** 248:6174-9, 10 Sep 73

Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. **J Biol Chem** 248:6180-6, 10 Sep 73

Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LRH) in patients with active acromegaly. Faglia G, et al. **J Clin Endocrinol Metab** 37:338-40, Aug 73

Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone. Snyder PJ, et al. **J Clin Invest** 52:2324-9, Sep 73

Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response. Snyder PJ, et al. **J Clin Invest** 52:2305-12, Sep 73

Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man, with special reference to the evaluation for TRF test. Otsuki M, et al. **Kobe J Med Sci** 18:215-28, Dec 72

[Practical value of radioimmunoassay of pituitary thyreotropic hormone] Chaussain JL, et al. **Ann Endocrinol (Paris)** 33:557-70, Nov-Dec 72 (Eng. Abstr.) (Fre)

[Simple juvenile goiter and blood thyrotropin (TSH) levels. Effects of the thyrotropin releasing factor (TRH)] Job JC, et al. **Biomedicine [Express]** 19:164-8, 10 Apr 73 (Eng. Abstr.) (Fre)

[Possibilities in the use of thyrotropin-releasing hormone (TRH)] Retiene K, et al. **Med Klin** 68:1146-50, 7 Sep 73 (Ger)

[Examination of the TRH-TSH axis] Escobar del Rey F. **Rev Iber Endocrinol** 20:235-67, May-Jun 73 (Eng. Abstr.) (Ger)

[Effects of synthetic thyrotropin releasing hormone on values of serum TSH in children] Nakajima H, et al. **Clin Endocrinol (Tokyo)** 21:513-6, May 73 (Jap)

[Stimulation of glucose oxidation and phospholipid synthesis in the pituitary gland by TRH] Onaya T, et al. **Clin Endocrinol (Tokyo)** 21:619-22, Jun 73 (Jap)

[Biological activity of synthetic thyrotropin releasing factor] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 19:50-2, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Hypothalamus hormone] Aberg B. **Sven Tandlak Tidskr** 66:315-7, May 73 (Swe)

SECRETION

Thyrotropin releasing hormone (TRH): neurotransmitter regulation of secretion by mouse hypothalamic tissue in vitro. Grimm Y, et al. **Endocrinology** 93:626-31, Sep 73

Neurotransmission and secretion of thyroid-stimulating hormone. Tuomisto J, et al. **Lancet** 2:510-1, 1 Sep 73

Varieties of hypothyroidism. Pittman JA Jr. **Med Ann DC** 42:435-9, Sep 73

THERAPEUTIC USE

Thyrotrophin releasing hormone and thyroid function. Hall R. **J Endocrinol** 58:xxxv, Aug 73

[Possibilities in the use of thyrotropin-releasing hormone (TRH)] Retiene K, et al. **Med Klin** 68:1146-50, 7 Sep 73 (Ger)

URINE

Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans. Bassiri RM, et al. **J Clin Invest** 52:1616-9, Jul 73

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

Cyclic AMP-dependent protein kinases from skeletal muscle and liver. Walsh DA, et al. **Adv Cyclic Nucleotide Res** 1:33-45, 1972 (33 ref.)

The therapeutic tumult and the ophthalmologist. 35th De Schweinitz lecture. Leopold IH. **Am J Ophthalmol** 76:181-92, Aug 73 (41 ref.)

Toward molecular mechanisms of developmental processes. Rutter WJ, et al. **Annu Rev Biochem** 42:601-46, 1973 (379 ref.)

Changes of the activities of adenyl cyclase and cAMP-phosphodiesterase and of the level of 3'5' cyclic adenosine monophosphate in rat mammary gland during pregnancy and lactation. Sapag-Hagar M, et al. **Biochem Biophys Res Commun** 53:982-7, 6 Aug 73

Cyclic 3',5'-AMP phosphodiesterase of Neurospora crassa. Scott WA, et al. **Biochem Biophys Res Commun** 53:1024-30, 6 Aug 73

A comparison of D-inositol 1:2-cyclic phosphate 2-phosphohydrolase with other phosphodiesterases of kidney. Dawson RM, et al. **Biochem J** 134:59-67, May 73

Protein kinase activity in commercially available crystalline yeast alcohol dehydrogenase. Kemp BE, et al. **Biochem J** 131:271-4, Feb 73

The effects of glucagon and insulin on adenosine 3':5'-cyclic monophosphate concentrations in an organ culture of mature rat liver. Siddle K, et al. **Biochem J** 132:765-73, Apr 73

Cooperativity in human erythrocyte phosphofructokinase. Lee LM, et al. **Biochemistry** 12:3503-8, 28 Aug 73

Synthesis and biological activity of some purine 5'-thio-5'-deoxynucleoside 3',5'-cyclic phosphorothioates. Shuman DA, et al. **Biochemistry** 12:2781-6, 17 Jul 73

Kinetic and molecular characteristics of allosteric pyruvate kinase from muscle tissue of the sea mussel Mytilus edulis L. Holwerda DA, et al. **Biochim Biophys Acta** 309:296-306, 6 Jun 73

Inhibition and enhancement of the noradrenaline constrictor response by methylxanthines. McNeill JH, et al. **Can J Physiol Pharmacol** 51:553-5, Jul 73

Mechanisms in the chemical syntheses of polypeptides and polynucleotides. Schwyzer R. **Ciba Found Symp** 7:23-40, 1972

Effect of sex hormones on the activity of protein kinases in rat ventral prostate and uterus. Ichii S, et al. **Endocrinol Jap** 20:33-7, Feb 73

The control of phosphorylase kinase phosphatase by "second site phosphorylation"; a new form of enzyme regulation. Cohen P, et al. **FEBS Lett** 34:43-7, 1 Aug 73

Correlation of substrate specificity of cAMP-phosphodiesterase in Dictyostelium discoideum with chemotactic activity of cAMP-analogues. Malchow D, et al. **FEBS Lett** 34:5-9, 1 Aug 73

Biochemistry and biology of a leucotactic binary serum peptide system related to anaphylatoxin. Wissler JH, et al. **Int Arch Allergy Appl Immunol** 42:722-47, 1972

Cerebrocortical adenyl cyclase activity following neonatal thyroid hormone deficiency. Singhal RL, et al. **Int J Clin Pharmacol** 8:1-4, Aug 73

Plasma membrane cyclic adenosine 3':5'-monophosphate phosphodiesterase of cultured cells and its modification after trypsin treatment of intact cells. Russell T, et al. **J Biol Chem** 248:5835-40, 25 Aug 73

Mechanism of activation of a cyclic adenosine 3':5'-monophosphate phosphodiesterase from bovine heart by calcium ions. Identification of the protein activator as a Ca2+ binding protein. Teo TS, et al. **J Biol Chem** 248:5950-5, 10 Sep 73

Immunologic and antineoplastic effects of endotoxin: role of membranes and mediation by cyclic adenosine-3',5'-monophosphate. Braun W. **J Infect Dis** 128:Suppl:188-97, Jul 73

Lipolysis and reesterification: effects of some inhibitors of adenosine 3',5'-cyclic monophosphate phosphodiesterase. Kupirvki FP. **J Lipid Res** 14:250-4, Mar 73

Defective cyclic adenosine-3', 5'-phosphate-phosphodiesterase regulation in morphogenetic mutants of Dictyostelium discoideum. Riedel V, et al. **J Mol Biol** 74:573-85, 15 Mar 73

Enzymatic regulation of adenosine 3',5'-monophosphate (cyclic AMP) in the freezing epileptogenic lesion of rat brain and in homologous contralateral cortex. Walker JE, et al. **J Neurochem** 21:79-85, Jul 73

Effects of antilipolytic drugs on cyclic 3',5'-AMP dependent protein kinase. Dinnendahl V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:293-300, 1973

Behavioural effects of dibutyryl cyclic 3',5' AMP, noradrenaline and cyclic 3',5' AMP in rats. Herman ZS. **Neuropharmacology** 12:705-9, Jul 73

A temperature-sensitive change in the energy of activation of hormone-stimulated hepatic adenylyl cyclase. Kreiner PW, et al. **Proc Natl Acad Sci USA** 70:1785-9, Jun 73

Protein kinase activity in erythrocyte ghosts of patients with myotonic muscular dystrophy. Roses AD, et al. **Proc Natl Acad Sci USA** 70:1855-9, Jun 73

[Prostaglandins, blood platelets, and thrombosis] Bousser MG. **Ann Med Interne (Paris)** 124:351-4, Apr 73 **(Fre)**

[Effect of glucagon on cholesterol esterification and on blood cholesterol levels in normal and hyperlipidemic subjects] Marcel YL, et al. **Union Med Can** 102:876-83, Apr 73 (Eng. Abstr.) **(Fre)**

[Molecular endocrinology] Wieland O. **Verh Dtsch Ges Inn Med** 78:331-44, 1972 **(Ger)**

[Mediators of biological responses at the cellular level. The cyclic nucleotides] Cerri O, et al. **Boll Chim Farm** 112:69-82, Feb 73 **(Ita)**

[Mechanism of muscular contraction and its regulation] Hotta K. **J Physiol Soc Jap** 34:727-38, Nov 72 (50 ref.) **(Jap)**

[Cyclic nucleotides] Maśliński C. **Postepy Hig Med Dosw** 27:295-310, May-Jun 73 (Eng. Abstr.) **(Pol)**

[Gradual synthesis of oligonucleotides. The specificity of the synthetic function of Penicillium brevicompactum ribonuclease and the structure of the phosphate acceptor] Maslennikova TA, et al. **Mol Biol** 7:36-41, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[Gradual synthesis of oligonucleotides. The specificity of the synthetic function of Penicillium brevicompactum RNAase and the structure of the phosphate donor] Sedel'nikova EA, et al. **Mol Biol** 7:27-35, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effect of cyclic 3'-5'-adenosine monophosphate and theophylline on renal function. Kövér G, et al. **Acta Physiol Acad Sci Hung** 42:111-7, 1972

Studies on cellular autophagocytosis. Cyclic AMP- and dibutyryl cyclic AMP-stimulated autophagy in rat liver. Shelburne JD, et al.
Am J Pathol 72:521-40, Sep 73

Induction of ingestive responses by cAMP applied into the rat hypothalamus. Rindi G, et al.
Experientia 28:1047-9, 15 Sep 72

Behavioural effects of dibutyryl cyclic 3',5' AMP, noradrenaline and cyclic 3',5' AMP in rats. Herman ZS.
Neuropharmacology 12:705-9, Jul 73

Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Mieno M, et al.
Tohoku J Exp Med 110:113-7, Jun 73

ANALYSIS

Studies on cyclic adenosine 3':5' monophosphate concentrations in human cervical mucus. Beck KJ, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:43, 1973

Cyclic AMP as a mediator of the relaxing action of papaverine, nitroglycerine, diazoxide and hydralazine in intestinal and vascular smooth muscle. Andersson R. **Acta Pharmacol Toxicol (Kbh)** 32:321-36, 1973

Cyclic AMP as a first messenger. Konijn TM.
Adv Cyclic Nucleotide Res 1:17-31, 1972 (39 ref.)

Cyclic AMP in the rat brain: microwave irradiation as a means of tissue fixation. Schmidt MJ, et al.
Adv Cyclic Nucleotide Res 1:425-34, 1972

Elevation of the intracellular levels of cyclic adenosine monophosphate during in vitro infection of transmissible gastroenteritis virus. Brief report. Mishra NK, et al.
Arch Gesamte Virusforsch 41:280-3, 1973

Effect of ionophorous antibiotics (nigericin, gramicidin and valinomycin) on cyclic AMP synthesis in rat adipose tissue. Dorigo P, et al.
Biochem Pharmacol 22:1949-56, 15 Aug 73

Analysis of labile brain constituents using a technique for the instantaneous fixation of brain tissue in vivo. Nahorski SR, et al.
Br J Pharmacol 47:659P-660P, Mar 73

Adrenal cells in tissue culture. X. On the mechanism of the stimulation of steroidogenesis by cyclic cytidine monophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73

Metabolic abnormalities in asthma--decreased urinary cycle AMP. Fireman P.
Int Arch Allergy Appl Immunol 45:123-7, 1973

Enhanced effects of prostaglandin E1 and dibutyryl cyclic AMP upon human lymphocytes in the presence of cortisol. Mendelsohn J, et al.
J Clin Invest 52:2129-37, Sep 73

Cyclic AMP and sodium transport. Quantitative and temporal relationships in toad urinary bladder. Sapirstein VS, et al. **J Clin Invest** 52:2379-82, Sep 73

Evaluation of electrical pulses and elevated levels of potassium ions as stimulants of adenosine 3', 5'-monophosphate (cyclic AMP) accumulation in guinea-pig brain. Zanella J Jr, et al.
J Pharmacol Exp Ther 186:241-52, Aug 73

The effect of isoprenaline on cyclic AMP concentrations in skeletal muscle. Sullivan A, et al.
J Physiol (Lond) 231:102P-103P, Jun 73

Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL.
Metabolism 22:1139-44, Aug 73 (39 ref.)

Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73

Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Daniel V, et al.
Nature [New Biol] 244:167-9, 8 Aug 73

Effect of catecholamines, histamine and oxyfedrine on isotonic contraction and cyclic AMP in the guinea-pig heart. Kukovetz WR, et al.
Naunyn Schmiedebergs Arch Pharmacol 278:403-24, 26 Jul 73

Radioimmunoassay for the cyclic nucleotides. Steiner AL. **Pharmacol Rev** 25:309-13, Jun 73 (16 ref.)

Glia-induced morphological differentiation in neuroblastoma cells. Monard D, et al.
Proc Natl Acad Sci USA 70:1894-7, Jun 73

Measurements of rates of adenosine 3':5'-cyclic monophosphate synthesis in intact Escherichia coli B. Peterkofsky A, et al.
Proc Natl Acad Sci USA 70:2149-52, Jul 73

A new enzymatic assay for guanosine 3':5'-cyclic monophosphate and its application to the ductus deferens of the rat. Schultz G, et al.
Proc Natl Acad Sci USA 70:1721-5, Jun 73

Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Kowalski K, et al. **Prostaglandins** 2:441-52, Dec 72

Cyclic 3',5'-adenosine monophosphate in the rat gastric mucosa after starvation, feeding, and pentagastrin. Ruoff HJ, et al. **Scand J Gastroenterol** 8:241-4, 1973

Cyclic adenosine monphosphate, metabolites, and phosphorylase in neural tissue: a comparison a methods of fixation. Lust WD, et al.
Science 181:280-2, 20 Jul 73

Plasma membranes: isolation from naturally fused and lysolecithin-treated muscle cells. Reporter M, et al.
Science 181:863-5, 31 Aug 73

The origin, hormonal nature, and action of hepatotrophic substances in portal venous blood. Starzl TE, et al.
Surg Gynecol Obstet 137:179-99, Aug 73

[Determination of cyclic AMP by binding competition: application to biologic fluids] Gelot M, et al.
C R Soc Biol (Paris) 166:1476-81, 1972 (Fre)

[Cyclic AMP--a metabolic regulator of life ranging from bacteria to higher animals] Yokota T.
Jap J Bacteriol 27:679-95, Nov 72 (100 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Effect of guanosine 3':5'-monophosphate on the hydroosmotic activity of adenosine 3':5'-monophosphate in toad urinary bladder. Piccinni Z, et al. **Biochim Biophys Acta** 311:625-9, 18 Jul 73

Comparison of effects of noradrenaline and histamine with cyclic AMP on brain stem neurones. Anderson EG, et al. **Brain Res** 49:471-5, 30 Jan 73

Inhibition by lithium of prostaglandin E1 and norepinephrine effects on cyclic adenosine monophosphate production in human platelets. Murphy DL, et al.
Clin Pharmacol Ther 14:810-4, Sep-Oct 73

Pleiotypic control by cyclic AMP: interaction with cyclic GMP and possible role of microtubules. Kram R, et al. **Proc Natl Acad Sci USA** 70:1659-63, Jun 73

BIOSYNTHESIS

Regulation of cyclic AMP levels in brain tissue. Daly JW, et al. **Adv Cyclic Nucleotide Res** 1:375-87, 1972

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al.
Adv Cyclic Nucleotide Res 1:493-502, 1972

Effect of ionophorous antibiotics (nigericin, gramicidin and valinomycin) on cyclic AMP synthesis in rat adipose tissue. Dorigo P, et al.
Biochem Pharmacol 22:1949-56, 15 Aug 73

Effect of phospholipase C on calcium release from epithelia treated with antidiuretic hormone. Cuthbert AW, et al. **Br J Pharmacol** 47:778-81, Apr 73

Inhibition by lithium of prostaglandin E1 and norepinephrine effects on cyclic adenosine monophosphate production in human platelets. Murphy DL, et al.
Clin Pharmacol Ther 14:810-4, Sep-Oct 73

Adenyl cyclase activity in non-nucleated red blood cells: evidence for its localization in the reticulocytes. Quiring K, et al. **Experientia** 29:526-7, 15 May 73

Stimulation by prostaglandin E1 of adenosine 3':5'-cyclic monophosphate formation in neuroblastoma cells in the presence of phosphodiesterase inhibitors. Hamprecht B, et al.
FEBS Lett 34:85-9, 1 Aug 73

Effect of luteinizing hormone on 3',5'-cyclic AMP and testosterone production in isolated interstitial tissue of rat testis. Rommerts FF, et al.
FEBS Lett 33:114-8, 15 Jun 73

The effect of phentolamine on adenylate cyclase and on isoproterenol stimulation in leukocytes from asthmatic and nonasthmatic subjects. Logsdon PJ, et al. **J Allergy Clin Immunol** 52:148-57, Sep 73

Stimulatory and inhibitory effects of guanyl nucleotides on fat cell adenylate cyclase. Harwood JP, et al. **J Biol Chem** 248:6239-45, 10 Sep 73

The effect of increased K+ concentration and serotonin on cyclic AMP and corticosterone output by dispersed adrenal zona glomerulosa cells. Albano JD, et al. **J Endocrinol** 58:xi, Jul 73

Accumulation of adenosine 3', 5'-monophosphate in incubated slices from discrete regions of squirrel monkey cerebral cortex: effect of norepinephrine,

serotonin and adenosine. Skolnick P, et al. **J Neurochem** 21:237-40, Jul 73
Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73
Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Daniel V, et al. **Nature [New Biol]** 244:167-9, 8 Aug 73
Cardiogenic shock. Recent advances in pharmacologic management. II. Kones RJ. **NY State J Med** 73:1967-80, 1 Aug 73 (350 ref.)
Localization of the cyclic AMP system in the arterial wall. Volicer L, et al. **Pharmacology** 9:317-23, 1973
Measurements of rates of adenosine 3':5'-cyclic monophosphate synthesis in intact Escherichia coli B. Peterkofsky A, et al. **Proc Natl Acad Sci USA** 70:2149-52, Jul 73
Effects of thyrotropin and N6,02'-dibutyryl cyclic 3',5'-adenosine monophosphate on prostaglandin levels in thyroid. Burke G. **Prostaglandins** 3:291-7, Mar 73
Antagonism of prostaglandin-promoted pituitary cyclic AMP accumulation and growth hormone secretion in vitro by 7-oxa-13-prostynoic acid. Ratner A, et al. **Prostaglandins** 3:413-9, Apr 73
New concepts of pathogenic mechanisms in allergy. Settipane GA. **RI Med J** 56:325-9 passim, Aug 73
Nerve growth factor: relationship to the cyclic AMP system of sensory ganglia. Hier DB, et al. **Science** 182:79-81, 5 Oct 73
The origin, hormonal nature, and action of hepatotrophic substances in portal venous blood. Starzl TE, et al. **Surg Gynecol Obstet** 137:179-99, Aug 73
Effect of angiotensin II in vitro on RNA, protein, cyclic AMP and aldosterone biosynthesis, using a cell suspension system from the zona glomerulosa of the adrenals] Trachewsky D, et al. **Union Med Can** 102:884-9, Apr 73 (Eng. Abstr.) **(Fre)**
[Cyclic nucleotides] Maśliński C. **Postepy Hig Med Dosw** 27:295-310, May-Jun 73 (Eng. Abstr.) **(Pol)**

BLOOD

Role of cyclic AMP in platelet function. Salzman EW, et al. **Adv Cyclic Nucleotide Res** 1:231-47, 1972 (38 ref.)
Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL. **Metabolism** 22:1139-44, Aug 73 (39 ref.)
Determination of cyclic AMP by binding competition: application to biologic fluids] Gelot M, et al. **C R Soc Biol (Paris)** 166:1476-81, 1972 **(Fre)**
Determination of cyclic adenosine 3',5'-monophosphate (cAMP) in urine for the diagnosis of primary hyperparathyroidism] Schmidt-Gayk H, et al. **Chirurg** 44:272-4, Jun 73 (Eng. Abstr.) **(Ger)**
Autonomic nervous system and secretion of insulin. II. Effect of adrenergic blockaders on the insulin secretion in response to tolbutamide] Carducci Artenisio A, et al. **Folia Endocrinol (Roma)** 25:467-85, Dec 72 (Eng. Abstr.) **(Ita)**
[Cyclic AMP] Okabayashi N. **Clin Endocrinol (Tokyo)** 21:287-92, Mar 73 (16 ref.) **(Jap)**
[Basedow's disease and cyclic AMP] Onaya T, et al. **Clin Endocrinol (Tokyo)** 21:303-5, Mar 73 **(Jap)**

CEREBROSPINAL FLUID

Behavioural effects of dibutyryl cyclic 3',5' AMP, noradrenaline and cyclic 3',5' AMP in rats. Herman ZS. **Neuropharmacology** 12:705-9, Jul 73
[Aspects of the role of cyclic AMP in the nervous system] Cramer H. **Rev Neurol (Paris)** 127:300, Aug 72 **(Fre)**

CHEMICAL SYNTHESIS

[Study of the biolgical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al. **Adv Cyclic Nucleotide Res** 1:521-40, 1972
[Synthesis and biological activity of some purine 6-thio-5'-deoxynucleoside 3',5'-cyclic phosphorothioates. Shuman DA, et al. **Biochemistry** 12:2781-6, 17 Jul 73

ISOLATION & PURIFICATION

Effect of ionophorous antibiotics (nigericin, gramicidin and valinomycin) on cyclic AMP synthesis in rat adipose tissue. Dorigo P, et al. **Biochem Pharmacol** 22:1949-56, 15 Aug 73
Effect of highly specific inhibitors of oxidative phosphorylation, dicyclohexylcarbodiimide, antimycin A and piericidin A, on cyclic AMP accumulation induced by noradrenaline and theophylline in rat adipose tissue. Dorigo P, et al. **Biochem Pharmacol** 22:1957-64, 15 Aug 73
[Cyclic AMP] Okabayashi N. **Clin Endocrinol (Tokyo)** 21:287-92, Mar 73 (16 ref.) **(Jap)**

METABOLISM

Inhibition of the noradrenaline-induced adenyl cyclase stimulation by augmented alpha-adrenergic response in subcutaneous adipose tissue from hypothyroid subjects. Grill V, et al. **Acta Med Scand** 194:129-33, Jul-Aug 73
Adrenergic, cholecystokinetic and morphine-induced effects on extra-hepatic biliary motility. Persson CG. **Acta Physiol Scand [Suppl]** 383:1-32, 1972 (108 ref.)
The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)
Role of cyclic AMP and Ca++ in metabolic and mechanical events in smooth muscle. Andersson R, et al. **Adv Cyclic Nucleotide Res** 1:213-29, 1972
The role of cyclic AMP in visual excitation. Bitensky MW, et al. **Adv Cyclic Nucleotide Res** 1:317-35, 1972
Studies on the role of cyclic AMP in human lipolysis. Burns TW, et al. **Adv Cyclic Nucleotide Res** 1:63-85, 1972
Levels of cyclic AMP and rate of fat mobilizing lipolysis in human adipose tissue in response to different adrenergic stimulators. Carlson LA, et al. **Adv Cyclic Nucleotide Res** 1:87-90, 1972
A study of the biolgical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al. **Adv Cyclic Nucleotide Res** 1:521-40, 1972
Regulation of cyclic AMP levels in brain tissue. Daly JW, et al. **Adv Cyclic Nucleotide Res** 1:375-87, 1972
The role of cyclic AMP in the control of hepatic glucose production by glucagon and insulin. Exton JH, et al. **Adv Cyclic Nucleotide Res** 1:91-101, 1972
The actions of cyclic nucleotides on the toad bladder. Ferguson DR, et al. **Adv Cyclic Nucleotide Res** 1:113-9, 1972
Regulation of cyclic AMP metabolism in cultured cells of the nervous system. Gilman AG. **Adv Cyclic Nucleotide Res** 1:389-410, 1972
On the mechanism of action of cyclic AMP and its role in synaptic transmission. Greengard P, et al. **Adv Cyclic Nucleotide Res** 1:337-55, 1972 (38 ref.)
Cyclic AMP-mediated adrenergic synapses to cerebellar Purkinje cells. Hoffer BJ, et al. **Adv Cyclic Nucleotide Res** 1:411-23, 1972
Cyclic AMP as a first messenger. Konijn TM. **Adv Cyclic Nucleotide Res** 1:17-31, 1972 (39 ref.)
Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al. **Adv Cyclic Nucleotide Res** 1:493-502, 1972
The positive inotropic effect of cyclic AMP. Kukovetz WR, et al. **Adv Cyclic Nucleotide Res** 1:261-90, 1972 (107 ref.)
The role of cyclic AMP in the inotropic response to isoprenaline and glucagon. Oye I, et al. **Adv Cyclic Nucleotide Res** 1:291-300, 1972
Regulation of gene transcription in Escherichia coli by cyclic AMP. Pastan I, et al. **Adv Cyclic Nucleotide Res** 1:11-6, 1972 (13 ref.)
Studies on the possible role of cyclic AMP in drug-induced coronary vasodilatation. Pöch G, et al. **Adv Cyclic Nucleotide Res** 1:195-211, 1972
Role of cyclic AMP in platelet function. Salzman EW, et al. **Adv Cyclic Nucleotide Res** 1:231-47, 1972 (38 ref.)
Cyclic AMP in the rat brain: microwave irradiation as a means of tissue fixation. Schmidt MJ, et al. **Adv Cyclic Nucleotide Res** 1:425-34, 1972
Prostaglandin--adenyl cyclase relationships. Shaw JE, et al. **Adv Cyclic Nucleotide Res** 1:479-91, 1972
Cyclic AMP and vascular smooth muscle. Somlyo AP, et al. **Adv Cyclic Nucleotide Res** 1:175-94, 1972
Psychopharmacological agents and the cyclic AMP

system of rat brain. Uzunov P, et al. **Adv Cyclic Nucleotide Res** 1:435-53, 1972

Neuroendocrine control of the cyclic AMP system of brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. **Adv Cyclic Nucleotide Res** 1:503-20, 1972

Inhalation anesthetics and myocardial metabolism: possible mechanisms of functional effects. Merin RG. **Anesthesiology** 39:216-55, Aug 73 (221 ref.)

Prostaglandins and asthma. Parker CW, et al. **Ann Intern Med** 78:963-5, Jun 73 (30 ref.)

The operon revisited. Reznikoff WS. **Annu Rev Genet** 6:133-56, 1972 (182 ref.)

Elevation of the intracellular levels of cyclic adenosine monophosphate during in vitro infection of transmissible gastroenteritis virus. Brief report. Mishra NK, et al. **Arch Gesamte Virusforsch** 41:280-3, 1973

The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase. Constantopoulos A, et al. **Biochem Biophys Res Commun** 53:794-9, 6 Aug 73

Changes of the activities of adenyl cyclase and cAMP-phosphodiesterase and of the level of 3'5' cyclic adenosine monophosphate in rat mammary gland during pregnancy and lactation. Sapag-Hagar M, et al. **Biochem Biophys Res Commun** 53:982-7, 6 Aug 73

Induction of bacterial enzymes. Clarke PH. **Biochem J** 130:47P-48P, Nov 72

The effect of glucose, insulin and noradrenaline on lipolysis, and on the concentrations of adenosine 3':5'-cyclic monophosphate and adenosine 5'-triphosphate in adipose tissue. Knight BL, et al. **Biochem J** 132:77-82, Jan 73

Adenosine 3':5'-cyclic monophosphate concentrations and phosphodiesterase activities during axenic growth and differentiation of cells of the cellular slime mould Dictyostelium discoideum. Malkinson AM, et al. **Biochem J** 134:311-9, May 73

The mode of action of adenosine 3':5'-cyclic monophosphate in mammalian islets of Langerhans. Effects of insulin secretagogues on islet-cell protein kinase activity. Montague W, et al. **Biochem J** 134:321-7, May 73

Turnover of protein-bound serine phosphate in respiring slices of guinea-pig cerebral cortex. Effects of putative transmitters, tetrodotoxin and other agents. Reddington M, et al. **Biochem J** 132:475-82, Mar 73

The effects of glucagon and insulin on adenosine 3':5'-cyclic monophosphate concentrations in an organ culture of mature rat liver. Siddle K, et al. **Biochem J** 132:765-73, Apr 73

Protein kinase activity in membrane preparations from ox brain. Stimulation of intrinsic activity by adenosine 3':5'-cyclic monophosphate. Weller M, et al. **Biochem J** 132:483-92, Mar 73

Effect of highly specific inhibitors of oxidative phosphorylation, dicyclohexylcarbodiimide, antimycin A and piercidin A, on cyclic AMP accumulation induced by noradrenaline and theophylline in rat adipose tissue. Dorigo P, et al. **Biochem Pharmacol** 22:1957-64, 15 Aug 73

Rat uterine contractility and the activities of uterine adenyl cyclase and phosphodiesterase during the estrus cycle. Sim MK, et al. **Biochem Pharmacol** 22:1417-22, 15 Jun 73

Synthesis and biological activity of some purine 5'-thio-5'-deoxynucleoside 3',5'-cyclic phosphorothioates. Shuman DA, et al. **Biochemistry** 12:2781-6, 17 Jul 73

Prostaglandin E1 and platelets. Bousser MG. **Biomedicine** 18:95-102, Mar 73 (63 ref.)

Direct stimulant effect of cyclic AMP and dibutyryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. **Biomedicine [Express]** 19:130-2, 10 Apr 73

Carbohydrate metabolism in the plasmodium of the myxomycete Physarum flavicomum. Lynch TJ, et al. **Can J Microbiol** 19:803-10, Jul 73

Glucagon and prostaglandin E1 stimulation of cyclic adenosine 3', 5'-monophosphate levels and adenylate cyclase activity in benign hyperplastic nodules and malignant hepatomas of ethionine-treated rats. Chayoth R, et al. **Cancer Res** 33:1970-4, Aug 73

Leukocyte adenyl cyclase and ATPase in asthma: effect of corticosteroid therapy. Coffey RG, et al. **Chest** 63:Suppl:2S-3S, Apr 73 (9 ref.)

Adipose tissue cellularity and metabolism in newly diagnosed juvenile diabetics. Ginsberg-Fellner F, et al. **Diabetes** 22:528-36, Jul 73

Enhanced release of insulin by prostaglandins in isolated pancreatic islets. Johnson DG, et al. **Diabetes** 22:658-63, Sep 73

The effect of phenformin on lipolysis and the concentration of cyclic AMP and ATP in white fat cells. Brown JD, et al. **Endocrinology** 93:445-9, Aug 73

Indomethacin, lipolysis, and cyclic AMP accumulation in white fat cells. Fain JN, et al. **Endocrinology** 93:632-9, Sep 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al. **Endocrinology** 93:903-14, Oct 73

Interaction of glucagon and catecholamines in the regulation of serine dehydratase. Mohrenweiser HW et al. **Endocrinology** 93:469-77, Aug 73

An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine. Oash T, et al. **Endocrinology** 93:880-6, Oct 73

Reversible inhibition of ACTH-induced corticosteroic release by cycloheximide: evidence for an unidentified cellular messenger. Rubin RP, et al **Endocrinology** 93:575-80, Sep 73

Effects of p-chlorophenoxyisobutyrate (CPIB) on serum insulin levels, insulin sensitivity, and adipose tissue cyclic AMP concentration. Weis AS, et al **Endocrinology** 93:504-9, Aug 73

Cyclic 3',5'-adenosine monophosphate in Tetrahymena pyriformis. Ramanathan S, et al. **Experientia** 29:814, 1973

Effect of prostaglandins on cyclic AMP concentration in toad bladder and rat kidney. Besley GT, et al **FEBS Lett** 31:269-72, 1 May 73

Protein phosphokinases of bound and free thyroid polyribosomes. Pavlovic-Hournac M, et al. **FEBS Lett** 33:65-9, 15 Jun 73

Control of insulin secretion by catecholamines, stress and the sympathetic nervous system. Porte D Jr, et al **Fed Proc** 32:1792-6, Jul 73 (68 ref.)

The problem of identifying the glucagon receptor Rodbell M. **Fed Proc** 32:1854-8, Aug 73

The ATP pool in Escherichia coli K 12 strains bearing the R1 plasmid. Braná H, et al. **Folia Microbiol (Praha)** 18:263-5, 1973

Studies on the mechanism of T lymphocyte-mediated cytolysis. Henney S. **Int Arch Allergy Appl Immunol** 45:281-4, 1973

Experiments on the role of cyclic AMP in guinea pig anaphylaxis. Schmutzler W, et al. **Int Arch Allergy Appl Immunol** 45:120-2, 1973

Adenosine 3', 5'-monophosphate and histone phosphorylation during enzyme induction by glucagon in rat liver. Takeda M, et al. **J Biochem (Tokyo)** 73:621-9, Mar 73

Effect of beta-adrenergic catecholamines on sodium transport in turkey erythrocytes. Gardner JD, et al **J Biol Chem** 248:5590-7, 25 Aug 73

Studies on the mechanism of action of the ga repressor. Nakanishi S, et al. **J Biol Chem** 248:5937-42, 10 Sep 73

Lack of correlation between catecholamine effects on cyclic adenosine 3':5'-monophosphate and gluconeogenesis in isolated rat liver cells. Tolbert MB et al. **J Biol Chem** 248:5686-92, 25 Aug 73

Cell division, ciliary regeneration and cyclic AMP in unicellular system. Wolfe J. **J Cell Physiol** 82:39-48, Aug 73

Cyclic AMP and sodium transport. Quantitative an temporal relationships in toad urinary bladder. Sapirstein VS, et al. **J Clin Invest** 52:2379-82, Sep 7

Influence of neuroleptic drugs and apomorphine o dopamine-sensitive adenylate cyclase of retina. Brown JH, et al. **J Neurochem** 21:477-9, Aug 7

Accumulation of adenosine 3', 5'-monophosphate i incubated slices from discrete regions of squirre monkey cerebral cortex: effect of norepinephrine serotonin and adenosine. Skolnick P, et al. **J Neurochem** 21:237-40, Jul 73

Enzymatic regulation of adenosine 3',5'-monophosphate (cyclic AMP) in the freezin epileptogenic lesion of rat brain and in homologou contralateral cortex. Walker JE, et al. **J Neurochem** 21:79-85, Jul 73

Evaluation of electrical pulses and elevated levels

potassium ions as stimulants of adenosine 3', 5'-monophosphate (cyclic AMP) accumulation in guinea-pig brain. Zanella J Jr, et al.
J Pharmacol Exp Ther 186:241-52, Aug 73
Effect of thyrotropin and of LATS on mouse thyroid cyclic AMP. Zakarija M, et al.
Metabolism 22:1185-91, Sep 73
Regulation of levels of guanosine cyclic 3',5'-monophosphate in the central nervous system: effects of depolarizing agents. Ferrendelli JA, et al.
Mol Pharmacol 9:445-54, Jul 73
Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Daniel V, et al.
Nature [New Biol] 244:167-9, 8 Aug 73
Thyrotoxic periodic paralysis. Function of sarcoplasmic reticulum and muscle glycogen. Takagi A, et al. **Neurology (Minneap)** 23:1008-16, Sep 73
The role of calcium in insulin secretion.
Nutr Rev 31:122-4, Apr 73 (8 ref.)
Cardiogenic shock. Recent advances in pharmacologic management. II. Kones RJ.
NY State J Med 73:1967-80, 1 Aug 73 (350 ref.)
Localization of the cyclic AMP system in the arterial wall. Volicer L, et al. **Pharmacology** 9:317-23, 1973
Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al.
Prostaglandins 3:629-46, May 73 (35 ref.)
The effects of a series of prostaglandins on in vitro models of the allergic response and cellular immunity. Lichtenstein LM, et al. **Prostaglandins** 2:519-28, Dec 72
Cyclic 3',5'-adenosine monophosphate in the rat gastric mucosa after starvation, feeding, and pentagastrin. Ruoff HJ, et al. **Scand J Gastroenterol** 8:241-4, 1973
Regulation of phosphodiesterase synthesis: requirement for cyclic adenosine monophosphate-dependent protein kinase. Bourne HR, et al. **Science** 181:952-4, 7 Sep 73
[Physiological significance of prostaglandins] Charbonnel B, et al.
Ann Med Interne (Paris) 124:341-6, Apr 73 **(Fre)**
Mediators of biological responses at the cellular level. The cyclic nucleotides] Cerri O, et al.
Boll Chim Farm 112:69-82, Feb 73 **(Ita)**
[Calcitonin. Physiology; therapeutic importance] Merceron RE. **Minerva Med** 64:2147-67, 2 Jun 73 **(Ita)**
[Basedow's disease and cyclic AMP] Onaya T, et al.
Clin Endocrinol (Tokyo) 21:303-5, Mar 73 **(Jap)**
[Receptor of gonadotropin] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) **(Jap)**

PHARMACODYNAMICS

Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rats. Lehrmann R, et al.
Acta Endocrinol (Kbh) 73:489-98, Jul 73
Cyclic AMP and gastrointestinal hormones. Studies in isolated pancreatic islets. Schatz H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:125, 1973
Effect of cyclic 3'-5'-adenosine monophosphate and theophylline on renal function. Kövér G, et al.
Acta Physiol Acad Sci Hung 42:111-7, 1972
Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG.
Acta Physiol Scand [Suppl] 382:1-59, 1972
Role of cyclic AMP and Ca++ in metabolic and mechanical events in smooth muscle. Andersson R, et al. **Adv Cyclic Nucleotide Res** 1:213-29, 1972
The role of cyclic AMP in the control of fluid secretion. Berridge MJ, et al.
Adv Cyclic Nucleotide Res 1:137-47, 1972
The role of cyclic AMP in visual excitation. Bitensky MW, et al. **Adv Cyclic Nucleotide Res** 1:317-35, 1972
Studies on the role of cyclic AMP in human lipolysis. Burns TW, et al.
Adv Cyclic Nucleotide Res 1:63-85, 1972
Study of the biolical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al.
Adv Cyclic Nucleotide Res 1:521-40, 1972
Role of cyclic AMP in the action of neurohypophyseal hormones on kidney. Dousa TP, et al.
Adv Cyclic Nucleotide Res 1:121-35, 1972
Inotropic and chronotropic effects of dibutyryl cyclic AMP. Drummond GI, et al.
Adv Cyclic Nucleotide Res 1:307-16, 1972
The role of cyclic AMP in the control of hepatic glucose production by glucagon and insulin. Exton JH, et al.
Adv Cyclic Nucleotide Res 1:91-101, 1972
The actions of cyclic nucleotides on the toad bladder. Ferguson DR, et al.
Adv Cyclic Nucleotide Res 1:113-9, 1972
On the mechanism of action of cyclic AMP and its role in synaptic transmission. Greengard P, et al.
Adv Cyclic Nucleotide Res 1:337-55, 1972 (38 ref.)
Cyclic AMP-mediated adrenergic synapses to cerebellar Purkinje cells. Hoffer BJ, et al.
Adv Cyclic Nucleotide Res 1:411-23, 1972
Cyclic AMP as a first messenger. Konijn TM.
Adv Cyclic Nucleotide Res 1:17-31, 1972 (39 ref.)
Effect of dibutyryl cyclic GMP on cultured beating rat heart cells. Krause EG, et al.
Adv Cyclic Nucleotide Res 1:301-5, 1972
The positive inotropic effect of cyclic AMP. Kukovetz WR, et al.
Adv Cyclic Nucleotide Res 1:261-90, 1972 (107 ref.)
The role of cyclic AMP in the inotropic response to isoprenaline and glucagon. Oye I, et al.
Adv Cyclic Nucleotide Res 1:291-300, 1972
Regulation of gene transcription in Escherichia coli by cyclic AMP. Pastan I, et al.
Adv Cyclic Nucleotide Res 1:11-6, 1972 (13 ref.)
Role of cyclic AMP in platelet function. Salzman EW, et al. **Adv Cyclic Nucleotide Res** 1:231-47, 1972 (38 ref.)
Cyclic AMP and vascular smooth muscle. Somlyo AP, et al. **Adv Cyclic Nucleotide Res** 1:175-94, 1972
The role of cyclic AMP in activation of hormone-sensitive lipase of adipose tissue. Steinberg D, et al. **Adv Cyclic Nucleotide Res** 1:47-62, 1972
The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells. Szego CM.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)
Cyclic AMP-dependent protein kinases from skeletal muscle and liver. Walsh DA, et al.
Adv Cyclic Nucleotide Res 1:33-45, 1972 (33 ref.)
Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al.
Adv Cyclic Nucleotide Res 1:503-20, 1972
Cyclic AMP in digestive physiology. Levine RA.
Am J Clin Nutr 26:876-81, Aug 73 (43 ref.)
Studies on cellular autophagocytosis. Cyclic AMP- and dibutyryl cyclic AMP-stimulated autophagy in rat liver. Shelburne JD, et al.
Am J Pathol 72:521-40, Sep 73
Sodium dependence of base-line and ADH-stimulated short-circuit current in toad bladder. Mendoza SA.
Am J Physiol 225:476-80, Aug 73
Coupled sodium-chloride influx across the brush border of rabbit ileum. Neilans HN, et al.
Am J Physiol 225:467-75, Aug 73
Review of reviews. Leake CD.
Annu Rev Pharmacol 13:455-63, 1973
Elevation of the intracellular levels of cyclic adenosine monophosphate during in vitro infection of transmissible gastroenteritis virus. Brief report. Mishra NK, et al.
Arch Gesamte Virusforsch 41:280-3, 1973
The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase. Constantopoulos A, et al.
Biochem Biophys Res Commun 53:794-9, 6 Aug 73
Synthesis of the E. coli pyruvate dehydrogenase complex: non-dependence on 3'-5'-cyclic AMP. Engel-Rae M, et al.
Biochem Biophys Res Commun 53:812-7, 6 Aug 73
Quiescent SV40 virus transformed 3T3 cells in culture. Paul D.
Biochem Biophys Res Commun 53:745-53, 6 Aug 73
The messenger-directed synthesis of the alpha-fragment of the enzyme beta-galactosidase. Reiness G, et al.
Biochem Biophys Res Commun 53:967-74, 6 Aug 73
Lymphocyte activation: the dualistic effect of cAMP. Webb DR, et al.
Biochem Biophys Res Commun 53:1002-8, 6 Aug 73
Comparative studies on the carbohydrate-containing membrane components of normal and adenosine 3':5'-cyclic monophosphate-treated Chinese hamster ovary cells. Baig MM, et al.
Biochem J 134:329-39, May 73
Control of ovarian cholesterol ester biosynthesis. Flint AP, et al. **Biochem J** 132:313-21, Feb 73

A reappraisal of the effects of adenosine 3':5'-cyclic monophosphate on the function and morphology of the rat prostate gland. Mangan FR, et al. **Biochem J** 134:129-42, May 73

Phosphorylation of high-molecular-weight membrane protein species in Chinese-hamster ovary cells in culture: effect of 6-N,2'-O-dibutyryladenosine 3':5'-cyclic monophosphate plus testosterone. Rieber M, et al. **Biochem J** 132:641-4, Mar 73

Regulation of renal gluconeogenesis by calcium ions, hormones and adenosine 3':5'-cyclic monophosphate. Roobol A, et al. **Biochem J** 134:157-65, May 73

Regulation of L-serine dehydratase in developing rat liver. Snell K, et al. **Biochem J** 130:75P-76P, Nov 72

Protein kinase activity in membrane preparations from ox brain. Stimulation of intrinsic activity by adenosine 3':5'-cyclic monophosphate. Weller M, et al. **Biochem J** 132:483-92, Mar 73

Creatine kinase activity in cultures of differentiating myoblasts. Zalin R. **Biochem J** 130:79P, Nov 72

Preservation of structural integrity of liver lysosomes and membrane-stabilizing action of anti-inflammatory drugs, catecholamines and cyclic adenosine monophosphate in isotonic salt media. Ignarro LJ. **Biochem Pharmacol** 22:1269-82, 1 Jun 73

Cyclic adenosine 3',5'-monophosphate dependent phosphorylation of ribosomal proteins from bovine anterior pituitary gland. Barden N, et al. **Biochemistry** 12:3096-102, 31 Jul 73

Synthesis and biological activity of some purine 5'-thio-5'-deoxynucleoside 3',5'-cyclic phosphorothioates. Shuman DA, et al. **Biochemistry** 12:2781-6, 17 Jul 73

Studies on the postnatal development of responses of hepatic histidase to endocrine control. Feigelson M. **Biochim Biophys Acta** 304:669-85, 28 May 73

The chemotactic effect of 5'-amido analogues of adenosine cycle 3',5'-monophosphate in the cellular slime moulds. Konijn TM, et al. **Biochim Biophys Acta** 304:774-80, 28 May 73

Effect of guanosine 3':5'-monophosphate on the hydroosmotic activity of adenosine 3':5'-monophosphate in toad urinary bladder. Piccinni Z, et al. **Biochim Biophys Acta** 311:625-9, 18 Jul 73

Dibutyryl cyclic adenosine monophosphate enhancement of alpha-methyl-D-glucoside accumulation by kidney cortex slices. Rea C, et al. **Biochim Biophys Acta** 311:615-24, 18 Jul 73

Direct stimulant effect of cyclic AMP and dibutyryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. **Biomedicine [Express]** 19:130-2, 10 Apr 73

Effects of angiotensin, catecholamines and cyclic AMP on calcium storage in aortic microsomes. Baudouin-Legros M, et al. **Br J Pharmacol** 47:377-85, Feb 73

Specificity of adenosine on transmitter output at the neuromuscular junction. Ginsborg BL, et al. **Br J Pharmacol** 47:637P, Mar 73

Comparison of effects of noradrenaline and histamine with cyclic AMP on brain stem neurones. Anderson EG, et al. **Brain Res** 49:471-5, 30 Jan 73

Spectrophotometric assay of 2',3'-cyclic nucleotide 3'-phosphohydrolase: application to the enzyme in bovine brain. Hugli TE, et al. **Brain Res** 58:191-203, 17 Aug 73

Inhibition by N6, O2'-dibutyryl 3',5'-cyclic adenosine monophosphate of phosphate transport and metabolism in BHK21C13 and BHK21Py cells. Blat C, et al. **Cancer Res** 33:2104-8, Sep 73

Effect of cyclic 3',5'-AMP on the (Na+K)-ATPase of myocardial sarcolemma. Limas CJ, et al. **Cardiovasc Res** 7:477-81, Jul 73

Cyclic AMP inhibition of cytotoxin ("lymphotoxin") elaboration by stimulated lymphocytes. Lies RB, et al. **Cell Immunol** 8:332-5, Aug 73

B-cell amplification by dibutyryl cyclic AMP in mice. Uzunova A, et al. **Cell Immunol** 7:507-11, Jun 73

Lipolytic effects of high concentrations of insulin on isolated fat cells. Enhancement of the response to lipolytic hormones. Lavis VR, et al. **Diabetes** 22:629-36, Aug 73

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73

Adrenal cells in tissue culture. X. On the mechanism of the stimulation of steroidogenesis by cyclic cytidine monophosphate. Kowal J. **Endocrinology** 93:461-8, Aug 73

Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation. Samli MH, et al. **Endocrinology** 93:767-76, Oct 73

Stimulation of ribonucleic-acid synthesis in chick-embryo fibroblasts by exogenous adenosine 3':5'-monophosphate. Koblet H, et al. **Eur J Biochem** 37:134-42, 1 Aug 73

Modulation of adenyl cyclase action in toad bladder by chlorpropamide: antagonism to prostaglandin E. Ozer A, et al. **Eur J Pharmacol** 22:227-32, Jun 73

The influence of some biogenic amines and cyclic N-2-O-dibutyryl-adenosine-3',5'-monophosphate on glycogen content in rat brain slices. Mršulja BB. **Experientia** 28:1067, 15 Sep 72

The influence of propranolol and dibenzyline on glycogenolytic effects of some biogenic amines in rat brain slices. Mršulja BB. **Experientia** 28:1072-3, 15 Sep 72

The influence of antistine on glycogenolytic effect of some biogenic amines in rat brain slices. Mršulja BB. **Experientia** 29:76-7, 1 May 73

Induction of ingestive responses by cAMP applied into the rat hypothalamus. Rindi G, et al. **Experientia** 28:1047-9, 15 Sep 72

Thermal activation of the cyclic AMP stimulated sodium transport across isolated toad bladder and Na+-K+ ATPase in toad bladder homogenates. Snart RS, et al. **Experientia** 28:1028-9, 15 Sep 72

Correlation of substrate specificity of cAMP-phosphodiesterase in Dictyostelium discoideum with chemotactic activity of cAMP-analogues. Malchow D, et al. **FEBS Lett** 34:5-9, 1 Aug 73

On the specificity of cyclic AMP action in Escherichia coli. Pačes V, et al. **FEBS Lett** 31:343-4, 1 May 73

Stimulation of RNA synthesis in Cicer arietinum seedlings by cyclic 3':5' adenosine monophosphate. Srivastava AK, et al. **FEBS Lett** 33:239-40, 1 Jul 73

Calcium metabolism at the cellular level. Borle AB. **Fed Proc** 32:1944-50, Sep 73

Effect of adenosine3', 5'-monophosphate on thymidine kinase in tumor cells. Hamazaki T. **Gann** 64:219-26, Jun 73

The mechanism of action of macrophage migration inhibitory factor (MIF). Pick E, et al. **Int Arch Allergy Appl Immunol** 45:295-8, 1973

Experiments on the role of cyclic AMP in guinea pig anaphylaxis. Schmutzler W, et al. **Int Arch Allergy Appl Immunol** 45:120-2, 1973

Inhibitory effect of Na+ on phosphorylation of proteins in brain microsomes and synaptic membranes. Katsuki S, et al. **J Biochem (Tokyo)** 73:1303-5, Jun 73

Phosphorylation of lysine-rich histone in the isolated perfused rat liver. Effects of glucagon, cyclic adenosine 3':5'-monophosphate, and insulin. Mallette LE, et al. **J Biol Chem** 248:6289-91, 25 Sep 73

Lack of correlation between catecholamine effects on cyclic adenosine 3':5'-monophosphate and gluconeogenesis in isolated rat liver cells. Tolbert ME et al. **J Biol Chem** 248:5686-92, 25 Aug 73

Mechanisms of lysosomal enzyme release from human leukocytes. I. Effect of cyclic nucleotides and colchicine. Zurier RB, et al. **J Cell Biol** 58:27-41, Jul 73

Analytical isotachophoresis in capillary tubes. Transformation of pyruvate to succinate by calf heart mitochondrial enzymes. Kopwillem A. **J Chromatogr** 82:407-9, 1 Aug 73

Histamine release induced by human leukocyte lysates Reabsorption of previously released histamine after exposure to cyclic amp-active agents. Kelly MT, et al **J Clin Invest** 52:1834-40, Aug 73

Enhanced effects of prostaglandin E1 and dibutyryl cyclic AMP upon human lymphocytes in the presence of cortisol. Mendelsohn J, et al. **J Clin Invest** 52:2129-37, Sep 73

Regulation of adrenal ornithine decarboxylase by adrenocorticotropic hormone and cyclic AMP. Richman R, et al. **J Clin Invest** 52:2007-15, Aug 73

Maturation of responsiveness to cardioactive drugs Differential effects of acetylcholine, norepinephrine theophylline, tyramine, glucagon, and dibutyryl cyclic AMP on atrial rate in hearts of fetal mice. Wildentha K. **J Clin Invest** 52:2250-8, Sep 73

The effect of pyridine nucleotides and cyclic AMP o the synthesis of progestational steroids in subcellula fractions of rabbit ovarian interstitial tissue. Scoon et al. **J Endocrinol** 58:1, Jul 73

Inhibition of human rhabdomyosarcoma-cell growth

agar by dibutyryl cyclic AMP. Sandor R. **J Natl Cancer Inst** 51:257-60, Jul 73
Restorative effects of cyclic AMP on complex bioelectric activities of cultured fetal rodent CNS tissues after acute CA++ deprivation. Crain SM, et al. **J Neurobiol** 4:321-42, 1973
Feedback regulation of 5-HT synthesis in rat striatal slices. Hamon M, et al. **J Neurochem** 20:1727-45, Jun 73
The effect of trivastal, haloperidol and dibutyryl cyclic AMP on (14C)dopamine synthesis in rat striatum. Goldstein M, et al. **J Pharm Pharmacol** 25:348-51, Apr 73
Release of enzymes from a rat liver lysosome fraction: inhibition by catecholamines and cyclic3', 5'-adenosine monophosphate, stimulation by cholinergic agents and cyclic 3', 5'-guanosine monophosphate. Ignarro LJ, et al. **J Pharmacol Exp Ther** 186:86-99, Jul 73
Effects of various secretagogues upon 42K and 22NA uptake during in vitro hormone release from the rat adenohypophysis. Kraicer J, et al. **J Physiol (Lond)** 232:221-37, Jul 73
Effects of membrane depolarization on light scattering by cerebral cortical slices. Lipton P. **J Physiol (Lond)** 231:365-83, Jun 73
Pancreatic acinar cells: ionic dependence of the membrane potential and acetycholine-induced depolarization. Matthews EK, et al. **J Physiol (Lond)** 231:283-95, Jun 73
Effects of hormones, prostaglandins and cyclic-AMP on the synthesis of progesterone by the human placenta in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul 73
Effects of intrafollicular injection of hormones and drugs. Naibandov AV, et al. **J Reprod Fertil [Suppl]** 18:15-22, Jul 73
Secretion and uptake of peroxidase by rat adenohypophyseal cells. Pelletier G. **J Ultrastruct Res** 43:445-59, Jun 73
Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Daniel V, et al. **Nature [New Biol]** 244:167-9, 8 Aug 73
Stimulation of yeast RNA synthesis by cycloheximide and 3',5'-cyclic AMP. Foury F, et al. **Nature [New Biol]** 245:44-7, 12 Sep 73
Alkaline phosphatase in vascular smooth muscle. Limas CJ, et al. **Nature [New Biol]** 245:53-5, 12 Sep 73
Glucose-containing glycopeptides from the cell surface of Chinese hamster ovary cells grown in the presence or absence of cyclic AMP. Roberts RM, et al. **Nature [New Biol]** 244:86-9, 18 Jul 73
Cyclic AMP-amplified replication of RNA tumour virus-like particles in Chinese hamster ovary cells. Thion C, et al. **Nature [New Biol]** 244:227-31, 22 Aug 73
Similar growth of Chinese hamster cells in the presence of phenethyl alcohol or dibutyryl cyclic AMP. Wright A, et al. **Nature [New Biol]** 244:84-6, 18 Jul 73
Studies on the antilipolytic effect of adenosine and related compounds in isolated fat cells. Ebert R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:247-59, 1973
Behavioural effects of dibutyryl cyclic 3',5' AMP, noradrenaline and cyclic 3',5' AMP in rats. Herman ZS. **Neuropharmacology** 12:705-9, Jul 73
The role of calcium in insulin secretion. **Nutr Rev** 31:122-4, Apr 73 (8 ref.)
Actions of glucagon and dibutyryl cyclic 3',5'-AMP on chronotropic responses to vagal stimulation and acetylcholine. Hadházy P. **Pharmacology** 9:285-93, 1973
Activation by adenosine 3':5'-monophosphate of a membrane-bound phosphoprotein phosphatase from toad bladder. Delorenzo RJ, et al. **Proc Natl Acad Sci USA** 70:1831-5, Jun 73
Response of Dictyostelium plasma membranes to adenosine 3':5'-cyclic monophosphate. Gregg JH, et al. **Proc Natl Acad Sci USA** 70:1630-3, Jun 73
Mitotypic control by cyclic AMP: interaction with cyclic GMP and possible role of microtubules. Kram R, et al. **Proc Natl Acad Sci USA** 70:1659-63, Jun 73
The effect of LATS and TSH on protein and RNA synthesis in isolated thyroid cells. el-Khatib SM, et al. **Proc Soc Exp Biol Med** 143:869-78, Jul 73
Atropic effects of prostaglandins, fatty acids and adenosine phosphates on hypodynamic frog hearts. Boer J de, et al. **Prostaglandins** 3:805-25, Jun 73
The effect of PGE1 on ADP-induced aggregation in refractory platelets. Simard-Duquesne N, et al. **Prostaglandins** 3:457-60, Apr 73
Regulation of phosphodiesterase synthesis: requirement for cyclic adenosine monophosphate-dependent protein kinase. Bourne HR, et al. **Science** 181:952-4, 7 Sep 73
Catecholamine and dibutyryl cyclic AMP effects on myosin adenosine triphosphatase in cultured rat heart cells. Harary I, et al. **Science** 181:1061-3, 14 Sep 73
Vasopressin: possible role of microtubules and microfilaments in its action. Taylor A, et al. **Science** 181:347-50, 27 Jul 73
Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Mieno M, et al. **Tohoku J Exp Med** 110:113-7, Jun 73
Homeostasis and the prostaglandins. Lee JB. **Trans Stud Coll Physicians Phila** 41:6-27, Jul 73 (52 ref.)
[Adenosine triphosphate (ATP), cyclic adenosine 3'5' monophosphate (cycl 3'5' AMP) and insulin secretion] Loubatiéres AL, et al. **C R Soc Biol (Paris)** 166:1742-6, 1972 **(Fre)**
[Influence of analogs of cyclic AMP on serum insulin concentration in rats] Losert W, et al. **Res Exp Med (Berl)** 160:307-16, 19 Jun 73 (Eng. Abstr.) **(Ger)**
[Negative inotropic effect of antiarrhythmic agents: effect of lidocaine on myocardial adenylate cyclase] Dietze G, et al. **Verh Dtsch Ges Inn Med** 78:1113-6, 1972 **(Ger)**
[Mediators of biological responses at the cellular level. The cyclic nucleotides] Cerri O, et al. **Boll Chim Farm** 112:69-82, Feb 73 **(Ita)**

PHYSIOLOGY

Studies on cyclic adenosine 3':5' monophosphate concentrations in human cervical mucus. Beck KJ, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:43, 1973
Cyclic AMP as a mediator of the relaxing action of papaverine, nitroglycerine, diazoxide and hydralazine in intestinal and vascular smooth muscle. Andersson R. **Acta Pharmacol Toxicol (Kbh)** 32:321-36, 1973
Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG. **Acta Physiol Scand [Suppl]** 382:1-59, 1972
Three sites for hormonal control of the pigment cell. McGuire J. **Adv Biol Skin** 12:421-45, 1972
Cyclic AMP in digestive physiology. Levine RA. **Am J Clin Nutr** 26:876-81, Aug 73 (43 ref.)
Anesthesia and hepatic metabolism: current concepts of carbohydrate homeostasis. Biebuyck JF. **Anesthesiology** 39:188-98, Aug 73
Neuroendocrine aspects of thermoregulation. Gale CC. **Annu Rev Physiol** 35:391-430, 1973 (120 ref.)
Reversible inhibition of ACTH-induced corticosteroid release by cycloheximide: evidence for an unidentified cellular messenger. Rubin RP, et al. **Endocrinology** 93:575-80, Sep 73
Pharmacologic control of IgE-mediated histamine release from human leukocytes. Gillespie E, et al. **Int Arch Allergy Appl Immunol** 45:95-7, 1973
Effect of beta-adrenergic catecholamines on sodium transport in turkey erythrocytes. Gardner JD, et al. **J Biol Chem** 248:5590-7, 25 Aug 73
Cyclic AMP and sodium transport. Quantitative and temporal relationships in toad urinary bladder. Sapirstein VS, et al. **J Clin Invest** 52:2379-82, Sep 73
The modulating influence of cyclic nucleotides upon lymphocyte-mediated cytotoxicity. Strom TB, et al. **J Exp Med** 138:381-93, 1 Aug 73
Role of cyclic AMP in mitogen induced transformation of human peripheral leukocytes. Krishnaraj R, et al. **J Immunol** 111:1010-7, Oct 73
Adrenergic-adenosine 3',5'-monophosphate regulation of serotonin N-acetyltransferase activity and the temporal relationship of serotonin N-acetyltransferase activity synthesis of 3H-N-acetylserotonin and 3H-melatonin in the cultured rat pineal gland. Klein D, et al. **J Pharmacol Exp Ther** 186:516-27, Sep 73
The effect of procaine hydrochloride and insulin on the cyclic AMP mediated responses in rat adipose tissue. Fraser TR, et al. **J Physiol (Lond)** 231:63P, Jun 73
Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)
Secretion of growth hormone in the rat. Howell SL. **Postgrad Med J** 49:Suppl 1:127-31, Feb 73
Effects of thyrotropin and N6,02'-dibutyryl cyclic 3'.5'-adenosine monophosphate on prostaglandin

levels in thyroid. Burke G.
Prostaglandins 3:291-7, Mar 73
[Aspects of the role of cyclic AMP in the nervous system] Cramer H.
Rev Neurol (Paris) 127:300, Aug 72 **(Fre)**
[Significance of adenosine-3',5'-monophosphate for the effects of various hormones and drugs on metabolism] Losert W. **Pharmazie** 28:351-62, Jun 73 **(Ger)**
[Action mechanism of releasing factors] Kaneko T.
Clin Endocrinol (Tokyo) 21:359-64, Apr 73 **(Jap)**
[Cyclic AMP--a metabolic regulator of life ranging from bacteria to higher animals] Yokota T.
Jap J Bacteriol 27:679-95, Nov 72 (100 ref.) **(Jap)**
[Transmission block in neuromuscular diseases--my research method and theory] Takamori M.
Jap J Clin Med 31:260-4, Feb 73 **(Jap)**
[Adrenergic system in the ontogenetic development of experimental animals] Brus R.
Pol Tyg Lek 28:957-9, 18 Jul 73 **(Pol)**
[Adenyl cyclase and cyclic adenosine-3',5'-monophosphate] Jurkowski A, et al.
Postepy Hig Med Dosw 27:329-40, May-Jun 73 (Eng. Abstr.) **(Pol)**
[Cyclic nucleotides] Maśliński C.
Postepy Hig Med Dosw 27:295-310, May-Jun 73 (Eng. Abstr.) **(Pol)**

SECRETION

Role of cyclic AMP in the regulation of gastric secretion in dogs and humans. Bieck PR.
Adv Cyclic Nucleotide Res 1:149-61, 1972

THERAPEUTIC USE

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73
[Clinical evaluation of a preparation containing nucleosides in antineuritis therapy] Cannella M, et al.
Minerva Med 64:1839-43, 16 May 73 (Eng. Abstr.) **(Ita)**

URINE

PTH-infusion and estimation of urinary cAMP in hyperparathyroidism. Lilienfeld-Toal H von, et al.
Acta Endocrinol [Suppl] (Kbh) 173:164, 1973
Plasma calcitonin-like activity and urinary cyclic adenosine monophosphate during pregnancy, parturition, and lactation in cows with parturient hypocalcemia. Black HE, et al.
Horm Metab Res 5:297-302, Jul 73
Metabolic abnormalities in asthma--decreased urinary cycle AMP. Fireman P.
Int Arch Allergy Appl Immunol 45:123-7, 1973
Ultrastructure of parathyroid glands and plasma immunoreactive parathyroid hormone in pregnant cows fed normal and high calcium diets. Black HE, et al. **Lab Invest** 29:173-85, Aug 73
Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL.
Metabolism 22:1139-44, Aug 73 (39 ref.)
Actions of 1,25-dihydroxycholecalciferol in patients with hypophosphatemic, vitamin-D-resistant rickets. Brickman AS, et al. **N Engl J Med** 289:495-8, 6 Sep 73
Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism. Schmidt-Gayk H, et al.
Surg Gynecol Obstet 137:439-44, Sep 73
[Determination of cyclic AMP by binding competition: application to biologic fluids] Gelot M, et al.
C R Soc Biol (Paris) 166:1476-81, 1972 **(Fre)**
[Excretion of cyclic AMP in arterial hypertension] Hamet P, et al.
Union Med Can 102:805-11, Apr 73 (Eng. Abstr.) **(Fre)**
[Determination of cyclic adenosine 3',5'-monophosphate (cAMP) in urine for the diagnosis of primary hyperparathyroidism] Schmidt-Gayk H, et al.
Chirurg 44:272-4, Jun 73 (Eng. Abstr.) **(Ger)**

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

Toward molecular mechanisms of developmental processes. Rutter WJ, et al.
Annu Rev Biochem 42:601-46, 1973 (379 ref.)
Plasma membrane cyclic adenosine 3':5'-monophosphate phosphodiesterase of culture cells and its modification after trypsin treatment of intact cells. Russell T, et al.
J Biol Chem 248:5835-40, 25 Aug 73
Molecular conformation of guanosine 3,'5-cyclic monophosphate. Chwang AK, et al.
Nature [New Biol] 244:136-7, 1 Aug 73

ANALYSIS

Application of competitive ligand-binding radioassay to the nucleotides. Steiner AL.
Metabolism 22:1139-44, Aug 73 (39 ref.)
Regulation of levels of guanosine cyclic 3',5'-monophosphate in the central nervous system effects of depolarizing agents. Ferrendelli JA, et al.
Mol Pharmacol 9:445-54, Jul 73
Radioimmunoassay for the cyclic nucleotides. Steiner AL. **Pharmacol Rev** 25:309-13, Jun 73 (16 ref.)
A new enzymatic assay for guanosine 3':5'-cyclic monophosphate and its application to the ductus deferens of the rat. Schultz G, et al.
Proc Natl Acad Sci USA 70:1721-5, Jun 73

BLOOD

Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL.
Metabolism 22:1139-44, Aug 73 (39 ref.)

METABOLISM

Structure-activity relationships for inhibitors of phosphodiesterase from erythrocytes and other tissues. Sheppard H, et al.
Adv Cyclic Nucleotide Res 1:103-12, 1972 (17 ref.)
Regulation of levels of guanosine cyclic 3',5'-monophosphate in the central nervous system effects of depolarizing agents. Ferrendelli JA, et al.
Mol Pharmacol 9:445-54, Jul 73
A new enzymatic assay for guanosine 3':5'-cyclic monophosphate and its application to the ductus deferens of the rat. Schultz G, et al.
Proc Natl Acad Sci USA 70:1721-5, Jun 73

PHARMACODYNAMICS

A study of the biolоical activity and resistance phosphodiesterase of some derivatives and analogues of cyclic AMP. Cehovic G, et al.
Adv Cyclic Nucleotide Res 1:521-40, 1972
Cyclic AMP as a first messenger. Konijn TM
Adv Cyclic Nucleotide Res 1:17-31, 1972 (39 ref.)
Effect of dibutyryl cyclic GMP on cultured beating rat heart cells. Krause EG, et al.
Adv Cyclic Nucleotide Res 1:301-5, 1972
Stimulation of polypeptide synthesis by cyclic 3'-5'-guanosine monophosphate. Varrone S, et al.
Arch Biochem Biophys 152:334-8, Aug 73
Lymphocyte activation: the dualistic effect of cAMP. Webb DR, et al.
Biochem Biophys Res Commun 53:1002-8, 6 Aug
Effect of guanosine 3':5'-monophosphate on the hydroosmotic activity of adenosine 3':5'-monophosphate in toad urinary bladder. Piccin Z, et al. **Biochim Biophys Acta** 311:625-9, 18 Jul
Adrenal cells in tissue culture. X. On the mechanism the stimulation of steroidogenesis by cyclic cytidi monophosphate. Kowal J.
Endocrinology 93:461-8, Aug 73
Correlation of substrate specificity of cAMP-phosphodiesterase in Dictyostelium discoideum with chemotactic activity of cAMP-analogues. Malchow D, et al.
FEBS Lett 34:5-9, 1 Aug 73
Release of enzymes from a rat liver lysosome fracti inhibition by catecholamines and cyclic3', 5'-adenosine monophosphate, stimulation by cholinergic agents and cyclic 3', 5'-guanosine monophosphate. Ignarro LJ, et al.
J Pharmacol Exp Ther 186:86-99, Jul 73
Stimulation of calcitonin release in vitro by purine a pyrimidine nucleotides. Bell NH.
Nature [New Biol] 245:85-6, 19 Sep 73
Pleiotypic control by cyclic AMP: interaction w cyclic GMP and possible role of microtubules. Kram et al. **Proc Natl Acad Sci USA** 70:1659-63, Jun
[Influence of analogs of cyclic AMP on serum insu concentration in rats] Losert W, et al.

Res Exp Med (Berl) 160:307-16, 19 Jun 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

The modulating influence of cyclic nucleotides upon lymphocyte-mediated cytotoxicity. Strom TB, et al. J Exp Med 138:381-93, 1 Aug 73

URINE

Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL. Metabolism 22:1139-44, Aug 73 (39 ref.)

APPENDIX

ADENYL CYCLASE

Conformational changes of protected glucagon fragments bound to lysolecithin. Edelhoch H, et al. **Arch Biochem Biophys** 152:470-5, Aug 73

Synthesis of the E. coli pyruvate dehydrogenase complex: non-dependence on 3'-5'-cyclic AMP. Engel-Rae M, et al. **Biochem Biophys Res Commun** 53:812-7, 6 Aug 73

The problem of identifying the glucagon receptor. Rodbell M. **Fed Proc** 32:1854-8, Aug 73

A beta-adrenergic receptor of the turkey erythrocyte. II. Characterization and solubilization of the receptor. Bilezikian JP, et al. **J Biol Chem** 248:5584-9, 25 Aug 73

Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al. **J Biol Chem** 248:5705-11, 25 Aug 73

Immunologic and antineoplastic effects of endotoxin: role of membranes and mediation by cyclic adenosine-3',5'-monophosphate. Braun W. **J Infect Dis** 128:Suppl:188-97, Jul 73

ADVERSE EFFECTS

Recent advances in the drug treatment of asthma. Paterson JW. **Trans Med Soc Lond** 88:205-13, 1972

ANALYSIS

Cytochemical demonstration and localization of adenyl cyclase in skeletal and cardiac muscle. Schulze W, et al. **Adv Cyclic Nucleotide Res** 1:249-60, 1972

Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. Field JB, et al. **J Clin Invest** 52:2404-10, Oct 73

The effect of age on some aspects of obese (ob-ob) mouse pancreatic islet morphology and metabolism. Atkins TW, et al. **J Endocrinol** 58:xvii, Jul 73

Cycloalkanones. 2. Synthesis and biological activity of alpha, alpha'-dibenzylcycloalkanones. Piantadosi C, et al. **J Med Chem** 16:770-5, Jul 73

Measurements of rates of adenosine 3':5'-cyclic monophosphate synthesis in intact Escherichia coli B. Peterkofsky A, et al. **Proc Natl Acad Sci USA** 70:2149-52, Jul 73

Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Kowalski K, et al. **Prostaglandins** 2:441-52, Dec 72

Plasma membranes: isolation from naturally fused and lysolecithin-treated muscle cells. Reporter M, et al. **Science** 181:863-5, 31 Aug 73

ANTAGONISTS & INHIBITORS

The role of cyclic AMP in the inotropic response to isoprenaline and glucagon. Oye I, et al. **Adv Cyclic Nucleotide Res** 1:291-300, 1972

Properties of adenylate cyclase in mucosal cells of the rabbit ileum and the effect of cholera toxin. Sharp GW, et al. **Biochim Biophys Acta** 309:339-48, 6 Jun 73

The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al. **Biochim Biophys Acta** 304:686-92, 28 May 73

Stimulatory and inhibitory effects of guanyl nucleotides on fat cell adenylate cyclase. Harwood JP, et al. **J Biol Chem** 248:6239-45, 10 Sep 73

Influence of neuroleptic drugs and apomorphine on dopamine-sensitive adenylate cyclase of retina. Brown JH, et al. **J Neurochem** 21:477-9, Aug 73

BIOSYNTHESIS

The effect of phentolamine on adenylate cyclase and on isoproterenol stimulation in leukocytes from asthmatic and nonasthmatic subjects. Logsdon PJ, et al. **J Allergy Clin Immunol** 52:148-57, Sep 73

Comparative effects of purine nucleotides on thyrotropin- and prostaglandin E1-responsive adenylate cyclase in thyroid plasma membrane. Burke G. **Prostaglandins** 3:537-40, Apr 73

[Mechanism of action of insulin in adipose tissue antagonism between insulin and lipolytic hormones in the adenyl cyclase activation system] Hepp KD, et al **Verh Dtsch Ges Inn Med** 78:1266-9, 1972 (Ger)

[Adenyl cyclase and cyclic adenosine-3',5'-monophosphate] Jurkowski A, et al **Postepy Hig Med Dosw** 27:329-40, May-Jun 73 (Eng Abstr.) (Pol)

BLOOD

The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase. Constantopoulos A, et al. **Biochem Biophys Res Commun** 53:794-9, 6 Aug 73

Leukocyte adenyl cyclase and ATPase in asthma: effect of corticosteroid therapy. Coffey RG, et al. **Chest** 63:Suppl:2S-3S, Apr 73 (9 ref.)

Adenyl cyclase activity in non-nucleated red blood cells: evidence for its localization in the reticulocytes Quiring K, et al. **Experientia** 29:526-7, 15 May 73

METABOLISM

Inhibition of the noradrenaline-induced adenyl cyclase stimulation by augmented alpha-adrenergic response in subcutaneous adipose tissue from hypothyroid subjects. Grill V, et al. **Acta Med Scand** 194:129-33, Jul-Aug 73

Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG. **Acta Physiol Scand [Suppl]** 382:1-59, 1972

The role of cyclic AMP in visual excitation. Bitensky MW, et al. **Adv Cyclic Nucleotide Res** 1:317-35, 1972

Studies on the role of cyclic AMP in human lipolysis Burns TW, et al. **Adv Cyclic Nucleotide Res** 1:63-85, 1972

Regulation of cyclic AMP levels in brain tissue. Daly JW, et al. **Adv Cyclic Nucleotide Res** 1:375-87, 1972

Role of cyclic AMP in the action of neurohypophyseal hormones on kidney. Dousa TP, et al. **Adv Cyclic Nucleotide Res** 1:121-35, 1972

The effect of cholera toxin on intestinal adenyl cyclase Hynie S, et al. **Adv Cyclic Nucleotide Res** 1:163-74, 1972

Cyclic AMP in the rat brain: microwave irradiation as a means of tissue fixation. Schmidt MJ, et al. **Adv Cyclic Nucleotide Res** 1:425-34, 1972

Prostaglandin--adenyl cyclase relationships. Shaw JE et al. **Adv Cyclic Nucleotide Res** 1:479-91, 1972

Psychopharmacological agents and the cyclic AMP system of rat brain. Uzunov P, et al. **Adv Cyclic Nucleotide Res** 1:435-53, 1972

Neuroendocrine control of the cyclic AMP system o

APPENDIX

brain and pineal gland. Weiss B, et al. **Adv Cyclic Nucleotide Res** 1:357-74, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. **Adv Cyclic Nucleotide Res** 1:503-20, 1972

Symposium on congestive heart failure: recent advances in structure, biochemistry, physiology and pharmacology. Introduction. Mason DT, et al. **Am J Cardiol** 32:395-7, 20 Sep 73

Ribonucleic acid (RNA) polymerase and adenyl cyclase in cardiac hypertrophy and cardiomyopathy. Nair KG, et al. **Am J Cardiol** 32:423-6, 20 Sep 73

Cyclic AMP in digestive physiology. Levine RA. **Am J Clin Nutr** 26:876-81, Aug 73 (43 ref.)

Inhalation anesthetics and myocardial metabolism: possible mechanisms of functional effects. Merin RG. **Anesthesiology** 39:216-55, Aug 73 (221 ref.)

Insulin receptors. Desbuquois B, et al. **Annu Rev Med** 24:233-40, 1973 (56 ref.)

Enterotoxic diarrheal syndromes. Formal SB, et al. **Annu Rev Med** 24:103-10, 1973 (89 ref.)

The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase. Constantopoulos A, et al. **Biochem Biophys Res Commun** 53:794-9, 6 Aug 73

Changes of the activities of adenyl cyclase and cAMP-phosphodiesterase and of the level of 3'5' cyclic adenosine monophosphate in rat mammary gland during pregnancy and lactation. Sapag-Hagar M, et al. **Biochem Biophys Res Commun** 53:982-7, 6 Aug 73

A reappraisal of the effects of adenosine 3':5'-cyclic monophosphate on the function and morphology of the rat prostate gland. Mangan FR, et al. **Biochem J** 134:129-42, May 73

Rat uterine contractility and the activities of uterine adenyl cyclase and phosphodiesterase during the estrus cycle. Sim MK, et al. **Biochem Pharmacol** 22:1417-22, 15 Jun 73

Preparation of inverted plasma membrane vesicles from isolated adipocytes. Bennett V, et al. **Biochim Biophys Acta** 311:362-80, 6 Jul 73

Properties of adenylate cyclase in mucosal cells of the rabbit ileum and the effect of cholera toxin. Sharp GW, et al. **Biochim Biophys Acta** 309:339-48, 6 Jun 73

The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al. **Biochim Biophys Acta** 304:686-92, 28 May 73

Prostaglandin E1 and platelets. Bousser MG. **Biomedicine** 18:95-102, Mar 73 (63 ref.)

Direct stimulant effect of cyclic AMP and dibutyryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Verne J, et al. **Biomedicine [Express]** 19:130-2, 10 Apr 73

Glucagon and prostaglandin E1 stimulation of cyclic adenosine 3', 5'-monophosphate levels and adenylate cyclase activity in benign hyperplastic nodules and malignant hepatomas of ethionine-treated rats. Chayoth R, et al. **Cancer Res** 33:1970-4, Aug 73

Does LATS protector stimulate the human thyroid? Kendall-Taylor P, et al. **Clin Sci** 45:2P, Jul 73

Adipose tissue cellularity and metabolism in newly diagnosed juvenile diabetics. Ginsberg-Fellner F, et al. **Diabetes** 22:528-36, Jul 73

Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells. Osawa M, et al. **Endocrinol Jap** 20:77-80, Feb 73

Effect of norepinephrine and sodium fluoride on heart adenyl cyclase in newborn and adult rats. Brus R, et al. **Endocrinology** 93:982-5, Oct 73

Adenylate-cyclase receptors for adrenergic neurotransmitters in rat cerebral cortex. Hungen D von, et al. **Eur J Biochem** 38:391-401, 16 Jul 73

Modulation of adenyl cyclase action in toad bladder by chlorpropamide: antagonism to prostaglandin E. Ozer A, et al. **Eur J Pharmacol** 22:227-32, Jun 73

Adenyl cyclase activity in non-nucleated red blood cells: evidence for its localization in the reticulocytes. Quiring K, et al. **Experientia** 29:526-7, 15 May 73

Activation by glucose of adenyl cyclase in pancreatic islets of the rat. Grill V, et al. **FEBS Lett** 33:311-4, 15 Jul 73

Cerebrocortical adenyl cyclase activity following neonatal thyroid hormone deficiency. Singhal RL, et al. **Int J Clin Pharmacol** 8:1-4, Aug 73

Beta-adrenergic receptor of the turkey erythrocyte. I. Binding of catecholamine and relationship to adenylate cyclase activity. Bilezikian JP, et al. **J Biol Chem** 248:5577-83, 25 Aug 73

Specific binding of (3H) lysine-vasopressin to pig kidney plasma membranes. Relationship of receptor occupancy to adenylate cyclase activation. Bockaert J, et al. **J Biol Chem** 248:5922-31, 10 Sep 73

Effect of beta-adrenergic catecholamines on sodium transport in turkey erythrocytes. Gardner JD, et al. **J Biol Chem** 248:5590-7, 25 Aug 73

Stimulatory and inhibitory effects of guanyl nucleotides on fat cell adenylate cyclase. Harwood JP, et al. **J Biol Chem** 248:6239-45, 10 Sep 73

Development of intestinal adenyl cyclase and its response to cholera enterotoxin. Grand RJ, et al. **J Clin Invest** 52:2053-9, Aug 73

Effect of Escherichia coli on fluid transport across canine small bowel. Mechanism and time-course with enterotoxin and whole bacterial cells. Guerrant RL, et al. **J Clin Invest** 52:1707-14, Jul 73

Role of cyclic AMP in mitogen induced transformation of human peripheral leukocytes. Krishnaraj R, et al. **J Immunol** 111:1010-7, Oct 73

Enzymatic regulation of adenosine 3',5'-monophosphate (cyclic AMP) in the freezing epileptogenic lesion of rat brain and in homologous contralateral cortex. Walker JE, et al. **J Neurochem** 21:79-85, Jul 73

Release of enzymes from a rat liver lysosome fraction: inhibition by catecholamines and cyclic3', 5'-adenosine monophosphate, stimulation by cholinergic agents and cyclic 3', 5'-guanosine monophosphate. Ignarro LJ, et al. **J Pharmacol Exp Ther** 186:86-99, Jul 73

Studies on the activation of adenylate cyclase from the submaxillary gland and pancreas. Bhoola KD, et al. **J Physiol (Lond)** 232:83P-84P, Jul 73

Angiotensin receptors in smooth muscle cell membranes. Devynck MA, et al. **Nature [New Biol]** 245:55-8, 12 Sep 73

Thyrotoxic periodic paralysis. Function of sarcoplasmic reticulum and muscle glycogen. Takagi A, et al. **Neurology (Minneap)** 23:1008-16, Sep 73

Cardiogenic shock. Recent advances in pharmacologic management. II. Kones RJ. **NY State J Med** 73:1967-80, 1 Aug 73 (350 ref.)

Radioimmunoassay for the cyclic nucleotides. Steiner AL. **Pharmacol Rev** 25:309-13, Jun 73 (16 ref.)

Localization of the cyclic AMP system in the arterial wall. Volicer L, et al. **Pharmacology** 9:317-23, 1973

A temperature-sensitive change in the energy of activation of hormone-stimulated hepatic adenylyl cyclase. Kreiner PW, et al. **Proc Natl Acad Sci USA** 70:1785-9, Jun 73

Measurements of rates of adenosine 3':5'-cyclic monophosphate synthesis in intact Escherichia coli B. Peterkofsky A, et al. **Proc Natl Acad Sci USA** 70:2149-52, Jul 73

Nerve growth factor: relationship to the cyclic AMP system of sensory ganglia. Hier DB, et al. **Science** 182:79-81, 5 Oct 73

Recent advances in the drug treatment of asthma. Paterson JW. **Trans Med Soc Lond** 88:205-13, 1972

[Possible unmasking of noradrenaline receptors by linoleic acid-rich phospholipids in fat cell membranes. II. Adenylate cyclase and phosphodiesterase activities] Counis R. **Biochim Biophys Acta** 306:391-5, 21 Jun 73 (Eng. Abstr.) **(Fre)**

[Influence on serum insulin concentration of sodium glymidine (glykodiazine), isopropylnorepinephrine, glucagon and theophylline in Chinese hamsters with spontaneous or streptozotocin-induced diabetes mellitus] Loge O, et al. **Res Exp Med (Berl)** 160:292-306, 19 Jun 73 (Eng. Abstr.) **(Ger)**

[Negative inotropic effect of antiarrhythmic agents: effect of lidocaine on myocardial adenylate cyclase] Dietze G, et al. **Verh Dtsch Ges Inn Med** 78:1113-6, 1972 **(Ger)**

[Separation of plasma membrane of the bovine thyroid and activity of adenyl-cyclase of the isolate] Sato S, et al. **Clin Endocrinol (Tokyo)** 21:503-8, May 73 **(Jap)**

[Receptor of gonadotropin] Tojyo S, et al. **Clin Endocrinol (Tokyo)** 21:293-7, Mar 73 (20 ref.) **(Jap)**

[Photoreceptor potential and rhodopsin cycle in invertebrate retina] Tsukahara Y. **J Physiol Soc Jap** 35:57-64, Feb 73 (43 ref.) **(Jap)**

[Cyclic AMP--a metabolic regulator of life ranging from

bacteria to higher animals] Yokota T.
Jap J Bacteriol 27:679-95, Nov 72 (100 ref.) **(Jap)**
[Adenyl cyclase and cyclic adenosine-3',5'-monophosphate] Jurkowski A, et al.
Postepy Hig Med Dosw 27:329-40, May-Jun 73 (Eng. Abstr.) **(Pol)**
[Cyclic nucleotides] Maśliński C.
Postepy Hig Med Dosw 27:295-310, May-Jun 73 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Homeostasis and the prostaglandins. Lee JB.
Trans Stud Coll Physicians Phila 41:6-27, Jul 73 (52 ref.)

PHYSIOLOGY

Antidiuretic action of chlorpropamide. Batuman V.
Lancet 2:684, 22 Sep 73
[Adenyl cyclase and cyclic adenosine-3',5'-monophosphate] Jurkowski A, et al.
Postepy Hig Med Dosw 27:329-40, May-Jun 73 (Eng. Abstr.) **(Pol)**

GUANYL CYCLASE

The second messenger system of mouse epidermis. 3. Guanyl cyclase. Marks F.
Biochim Biophys Acta 309:349-56, 6 Jun 73

ANALYSIS

The second messenger system of mouse epidermis. 3. Guanyl cyclase. Marks F.
Biochim Biophys Acta 309:349-56, 6 Jun 73
Guanyl cyclase in rat brain subcellular fractions. Goridis C, et al. **FEBS Lett** 34:71-3, 1 Aug 73

ANTAGONISTS & INHIBITORS

The second messenger system of mouse epidermis. 3. Guanyl cyclase. Marks F.
Biochim Biophys Acta 309:349-56, 6 Jun 73

METABOLISM

The second messenger system of mouse epidermis. 3. Guanyl cyclase. Marks F.
Biochim Biophys Acta 309:349-56, 6 Jun 73
Radioimmunoassay for the cyclic nucleotides. Steiner AL. **Pharmacol Rev** 25:309-13, Jun 73 (16 ref.)

HORMONES, ECTOPIC

Biologic and immunologic characterization and physical separation of ACTH and ACTH fragments in the ectopic ACTH syndrome. Orth DN, et al.
J Clin Invest 52:1756-69, Jul 73
[3 cases of Schwartz-Bartter syndrome during bronchial cancers observed in a department of general medicine in less than one year] Klepping C, et al. **Sem Hop Paris** 49:1087-92, 26 Mar 73 **(Fre)**

BIOSYNTHESIS

Ectopic production of calcitonin. Silva OL, et al.
Lancet 2:317, 11 Aug 73

SECRETION

Dysphagia, vomiting and obdurate constipation as a metabolic manifestation of malignancy. Fielding JF, et al. **J Ir Med Assoc** 66:384-5, 21 Jul 73
A testosterone-secreting tumour of the adrenal producing virilisation in a female infant. Burr IM, et al. **Lancet** 2:643-4, 22 Sep 73
Benign masculinizing adrenal adenomas. Lipsett MB.
N Engl J Med 289:802-3, 11 Oct 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
Positive cancer therapy. Anderson J.
Trans Med Soc Lond 88:77-88, 1972
[Carcinoid tumor of the small intestine with hepatic metastases rich in thyrocalcitonin associated with a C cell benign adenoma of the thyroid gland] Cattan E, et al.
Arch Fr Mal App Dig 62:141-50, Mar 73 (Eng. Abstr.) **(Fre)**
[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng Abstr.) **(Ger**
[Application of tissue culture to the study of ectopi hormone producing tumors] Shimosato S, et al
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref. **(Jap**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

The clinical endocrinology of prolactin. Turkingto RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.
[Hodgkin's disease revealed by paraneoplastic neophrotic syndrome. Joint remission for 32 months Cottin S, et al.
Ann Med Interne (Paris) 123:1029-32, Dec 72 (Eng Abstr.) **(Fre**
[Ectopic paraneoplastic endocrinopathies associate with water-electrolyte balance disorders] Hayduk K et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng Abstr.) **(Ger**
[Diagnosis of adrenal gland neoplasms causing primar aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood] Fukuch S, et al.
Folia Endocrinol Jap 49:865-70, 20 Jun 73 (Eng. Abstr. **(Jap**
[A case of the syndrome of inappropriate secretion c antidiuretic hormone(SIADH) associated with undifferentiated carcinoma of large cell type of th lung] Kobatake K, et al.
J Jap Soc Intern Med 62:368-73, Apr 73 **(Jap**

COMPLICATIONS

Combination chemotherapy and radiation therapy i small cell carcinoma of the lung. Eagan RT, et a
Cancer 32:371-9, Aug 73

DIAGNOSIS

[Primary hyperparathyroidism] Robert M, et al
Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (En Abstr.) **(Fre**

ETIOLOGY

Pituitary insufficiency, inappropriate antidiuretic hormone (ADH) secretion, and carcinoma of th bronchus. Epstein S, et al. **Cancer** 32:476-81, Aug

METABOLISM

Benign masculinizing adrenal adenomas. Lipsett MI
N Engl J Med 289:802-3, 11 Oct 73
Testosterone-secreting adrenal adenoma under gonadotropin control. Werk EE Jr, et al.
N Engl J Med 289:767-70, 11 Oct 73
[Application of tissue culture to the study of ectop hormone producing tumors] Shimosato S, et a
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref **(Jap**

PATHOLOGY

[Application of tissue culture to the study of ectop hormone producing tumors] Shimosato S, et a
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref **(Jap**

THERAPY

[Ectopic paraneoplastic endocrinopathies associate with water-electrolyte balance disorders] Hayduk K et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (En Abstr.) **(Ge**

NERVE GROWTH FACTOR

Toward molecular mechanisms of developmenta processes. Rutter WJ, et al.
Annu Rev Biochem 42:601-46, 1973 (379 ref.)
Topography of mouse 2.5S nerve growth facto

*HORMONES, ECTOPIC continued on page 307

APPENDIX

Reactivity of tyrosine and tryptophan. Frazier WA, et al. **Biochemistry** 12:3281-93, 14 Aug 73

An assessment of sympathetic function in isolated tissues from mice given nerve-growth-factor antiserum and 6-hydroxydopamine. Hughes IE, et al. **Br J Pharmacol** 47:748-59, Apr 73

ANALYSIS

Absence of nerve growth factor in the venoms of bees, scorpions, spiders and toads. Pearce FL. **Toxicon** 11:309-10, Apr 73

ISOLATION & PURIFICATION

Separation of isorenin activity from nerve growth factor (NGF) activity in mouse submaxillary gland extracts. Cozzari C, et al. **Biochem Pharmacol** 22:1321-7, 1 Jun 73

PHARMACODYNAMICS

Separation of isorenin activity from nerve growth factor (NGF) activity in mouse submaxillary gland extracts. Cozzari C, et al. **Biochem Pharmacol** 22:1321-7, 1 Jun 73

Topography of mouse 2.5S nerve growth factor. Reactivity of tyrosine and tryptophan. Frazier WA, et al. **Biochemistry** 12:3281-93, 14 Aug 73

The production of catecholamine-containing cells in vitro by young chick embryos: effects of "nerve growth factor" (NGF) and its antiserum. Bjerre B, et al. **Neurobiology** 3:140-61, 1973

Nerve growth factor: relationship to the cyclic AMP system of sensory ganglia. Hier DB, et al. **Science** 182:79-81, 5 Oct 73

PROSTAGLANDINS

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al. **Adv Cyclic Nucleotide Res** 1:493-502, 1972

Abortion of early pregnancy by the intravaginal administration of prostaglandin F2alpha. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:246-50, 15 Sep 73

Intra-amniotic prostaglandin F2 alpha to induce midtrimester abortion. Corson SL, et al. **Am J Obstet Gynecol** 117:27-34, 1 Sep 73

Polyphloretin phosphate temporarily potentiates prostaglandin E 2 on the rat fundus, probably by inhibiting PG15-hydroxydehydrogenase. Ganesan PA, et al. **J Pharm Pharmacol** 25:229-33, Mar 73

Intraamniotic prostaglandin F2-alpha dose--twenty-four-hour abortifacient response. Brenner WE, et al. **J Pharm Sci** 62:1278-82, Aug 73

The biological activity of the (15S)-15-methyl analogs of prostaglandins. E2 and F2a. Weeks JR, et al. **J Pharmacol Exp Ther** 186:67-74, Jul 73

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.)

Prostaglandin F 2 for induction of labour. Cheah SF, et al. **Med J Malaysia** 27:211-6, Mar 73

Steroid contraceptives in the People's Republic of China. Djerassi C. **N Engl J Med** 289:533-5, 6 Sep 73

Antibodies to pharmacologically active molecules: specificities and some applications of antiprostaglandins. Levine L. **Pharmacol Rev** 25:293-307, Jun 73 (46 ref.)

Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Currie WB, et al. **Prostaglandins** 4:201-14, Aug 73

Molecular conformation of prostaglandin A1. Duax WL, et al. **Prostaglandins** 3:201-8, Feb 73

The effect of prostaglandin F2 antibody on gestation length in the rat. Dunn MV, et al. **Prostaglandins** 3:509-14, Apr 73

Preparation and specificity of antibodies to 15-keto-prostaglandin F2alpha. Levine L, et al. **Prostaglandins** 2:281-94, Oct 72

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Van Orden DE, et al. **Prostaglandins** 4:215-33, Aug 73

Repeated injection of prostaglandin E2 in rat paws induces chronic swelling and a marked decrease in pain threshold. Willis AL, et al. **Prostaglandins** 3:353-7, Mar 73

Antigenic activity of prostaglandins: specificities of prostaglandins E1, A1 and F2alpha antigen-antibody reactions. Yu SC, et al. **Prostaglandins** 2:11-22, Jul 72

[Use of prostaglandin F 2 alpha for interruption of pregnancy in 1st and 2d trimester] Havránek F, et al. **Cesk Gynekol** 38:432-5, Jul 73 (Eng. Abstr.) (Cze)

[Prostaglandins: somatic substances and possible remedies] Hapke HJ. **Dtsch Tieraerztl Wochenschr** 80:237-40, 15 May 73 (4 ref.) (Ger)

[Inflammatory aspects and therapeutic possibilities of rheumatic diseases. Introduction] Ballabio CB, et al. **Minerva Med** 64:2385-94, 20 Jun 73 (Ita)

ADMINISTRATION & DOSAGE

The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:240-5, 15 Sep 73

Abortion of early pregnancy by the intravaginal administration of prostaglandin F2alpha. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:246-50, 15 Sep 73

Intra-amniotic prostaglandin F2 alpha to induce midtrimester abortion. Corson SL, et al. **Am J Obstet Gynecol** 117:27-34, 1 Sep 73

Prostaglandins and asthma. Parker CW, et al. **Ann Intern Med** 78:963-5, Jun 73 (30 ref.)

Prostaglandins: therapy for peptic ulcer? Wilson DE. **Ann Intern Med** 79:269-70, Aug 73

Effect of prostaglandins on oviduct motility in estrous rabbits. Spilman CH, et al. **Biol Reprod** 9:36-45, Aug 73

Effects of prostaglandin E1 on acid secretion, mucosal histamine content and histidine decarboxylase activity in rat stomach. Håkanson R, et al. **Br J Pharmacol** 47:498-503, Mar 73

Enhanced release of insulin by prostaglandins in isolated pancreatic islets. Johnson DG, et al. **Diabetes** 22:658-63, Sep 73

Postcoital prostaglandins, in vivo oviductal motility, and egg transport in rabbits. Aref I, et al. **Fertil Steril** 24:671-6, Sep 73

Midtrimester abortion using prostaglandin F2alpha, oxytocin, and laminaria. Engel T, et al. **Fertil Steril** 24:565-8, Aug 73

Intravenous prostaglandin F2alpha for induction of menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug 73

Prostaglandin-induced parturition in the rabbit; quantitative aspects of the route and duration of administration. Abel M, et al. **J Endocrinol** 58:xvi, Jul 73

Comparison of intravenous prostaglandins F 2 and E 2 with intravenous oxytocin in the induction of labour. Naismith WC, et al. **J Obstet Gynaecol Br Commonw** 80:531-5, Jun 73

Intraamniotic prostaglandin F2-alpha dose--twenty-four-hour abortifacient response. Brenner WE, et al. **J Pharm Sci** 62:1278-82, Aug 73

The biological activity of the (15S)-15-methyl analogs of prostaglandins. E2 and F2a. Weeks JR, et al. **J Pharmacol Exp Ther** 186:67-74, Jul 73

Prostaglandin E2 and gastric acid secretion in man. Bennett A, et al. **J Physiol (Lond)** 229:349-60, Mar 73

Synchronization of oestrus in cattle using a prostaglandin F2alpha analogue (ICI 79939). Tervit HR, et al. **J Reprod Fertil** 34:179-81, Jul 73

Abortion and coagulation by prostaglandin. Intra-amniotic dinoprost tromethamine effect on the coagulation and fibrinolytic systems. Bell WR, et al. **JAMA** 225:1082-4, 27 Aug 73

Intra-amniotic prostaglandins and urea for abortion. Craft I. **Lancet** 2:207 passim, Jul 73

"Delayed menstruation" induced by prostaglandin in pregnant patients. Mocsary P, et al. **Lancet** 2:683, 22 Sep 73

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Prostaglandins and the pulmonary circulation. Alpert JS, et al. **Prostaglandins** 3:759-65, Jun 73

Prostaglandins: effect on plasma calcium concentration. Beliel OM, et al. **Prostaglandins** 3:237-41, Feb 73

The effect of orally administered prostaglandins A1, A2 and 15 EPI-A2 on human gastric acid secretion. Bhana D, et al. **Prostaglandins** 3:307-16, Mar 73

Laminaria augmentation of intra-amniotic prostaglandin F2 alpha for the induction of mid-trimester abortion. Brenner WE, et al. **Prostaglandins** 3:879-94, Jun 73

Effect of PGA1 on renin and aldosterone in man. Carr AA. **Prostaglandins** 3:621-8, May 73

APPENDIX

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et al. **Prostaglandins** 2:453-64, Dec 72

The use of prostaglandin pessaries prior to vaginal termination. Craft I. **Prostaglandins** 3:377-81, Mar 73

The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)

The efficacy and acceptability of the "prostaglandin impact" in inducing complete abortion during the second week after the missed menstrual period. Csapo AI, et al. **Prostaglandins** 3:125-39, Feb 73

Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Currie WB, et al. **Prostaglandins** 4:201-14, Aug 73

Effect of intraventricularly administered prostaglandin E1 on the electrical activity of cerebral cortex and behavior in the unanesthetized monkey. Desiraju T. **Prostaglandins** 3:859-70, Jun 73

Effect of prostaglandin F2alpha on length of diestrus in mares. Douglas RH, et al. **Prostaglandins** 2:265-8, Oct 72

The influence of PGF2 alpha on experimental arrhythmias. Förster W, et al. **Prostaglandins** 3:895-904, Jun 73

Prostaglandin-induced premature oviposition in the coturnix quail. Hertelendy F. **Prostaglandins** 2:269-79, Oct 72

Prostaglandin and renal function--the effect of prostaglandin A2 on the P.S.P. excretion. Ito H, et al. **Prostaglandins** 3:359-65, Mar 73

Induction of abortion by intra- and extra-amniotic prostaglandin F2 administration. Järvinen PA, et al. **Prostaglandins** 3:491-504, Apr 73

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73

The effect of orally and intravenously administered prostaglandin 16:16 dimethyl E2 methyl ester on human gastric acid secretion. Karim SM, et al. **Prostaglandins** 4:71-83, Jul 73

Effects of prostaglandins E1, E2 and F2 on zygote transport in rats: induction of delayed implantation. Labhsetwar AP. **Prostaglandins** 4:115-25, Jul 73

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72

Do prostaglandins stimulate LH release and thereby cause luteolysis? Labhsetwar AP. **Prostaglandins** 3:729-32, May 73

Studies of prostaglandin F2 in the cow. Lamond DR, et al. **Prostaglandins** 4:269-84, Aug 73

Some cardiovascular and respiratory effects of prostaglandins E1, E2 and F2 alpha in the calf. Lewis AJ, et al. **Prostaglandins** 2:55-64, Jul 72

Inhibition of prostaglandin induced uterine activity in the second trimester of pregnancy by beta-mimetic adrenergic agents. Lindmark G, et al. **Prostaglandins** 3:481-9, Apr 73

Differential inhibition by prostaglandins of the renal actions of pressor stimuli. Lonigro AJ, et al. **Prostaglandins** 3:595-606, May 73

Preliminary clinical experience with the antiarrhythmic effect of PGF2 alpha. Mann D, et al. **Prostaglandins** 3:905-12, Jun 73

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Direct actions of prostaglandins E1, A1, F2 on myocardial contraction. Nutter DO, et al. **Prostaglandins** 3:323-36, Mar 73

Absorption of prostaglandin E2 and uterine sensitivity of the non-pregnant and pregnant monkey in vivo. Oshima K, et al. **Prostaglandins** 3:447-55, Apr 73

Pregnancy and progeny in rats treated with prostaglandin E2. Persaud TV. **Prostaglandins** 3:299-305, Mar 73

Bronchodilating properties of the prostaglandin f2 in the guinea pig and cat. Rosenthale ME, et al. **Prostaglandins** 3:767-72, Jun 73

On the mechanism of midtrimester abortions induced by prostaglandin "impact". Saldana L, et al. **Prostaglandins** 3:847-58, Jun 73

Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

Prostaglandin-oxytocin abortion: a clinical trial of intra-amniotic prostaglandin F2alpha in combination with intravenous oxytocin. Seppälä M, et al. **Prostaglandins** 2:311-9, Oct 72

Uterine sensitivity to prostaglandins in the pregnan rabbit: a method for testing the effect of previou administration of small doses of PGF2 for shor periods. Smith GW, et al. **Prostaglandins** 3:525-30, Apr 73

Luteinizing hormone release and ovulation induced b the intraventricular infusion of prostaglandin E1 int pentobarbital-blocked rats. Spies HG, et al. **Prostaglandins** 4:131-41, Jul 73

Effect of prostaglandins on sperm transport an fertilization in the rabbit. Spilman CH, et al. **Prostaglandins** 4:57-64, Jul 73

Response of the midpregnant human uterus to systemi administration of 15(S)-15-methyl-prostaglandin F2alpha. Toppozada M, et al. **Prostaglandins** 2:239-49, Oct 72

Ovulation rate and serum LH levels in rats treated wit indomethacin or prostaglandin E2. Tsafriri A, et a **Prostaglandins** 3:461-7, Apr 73

Physiological role of prostaglandins in the induction o ovulation. Tsafriri A, et al. **Prostaglandins** 2:1-10, Jul 72

Effects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al. **Prostaglandins** 3:155-72, Feb 73

Repeated injection of prostaglandin E2 in rat paw induces chronic swelling and a marked decrease i pain threshold. Willis AL, et al. **Prostaglandins** 3:353-7, Mar 73

A comparison between the effects of prostaglandi F2alpha and oxytocin on fluid balance during induction of labour in patients suffering fron pre-eclampsia. Scher J, et al. **S Afr Med J** 47:1291-2, 28 Jul 73

Prostaglandin involvement in hypothalamic control o gonadotropin and prolactin release. Harms PG, et a **Science** 181:760-1, 24 Aug 73

Prostaglandins in otolaryngology. DuCharme DW **Trans Am Acad Ophthalmol Otolaryngol** 77:or179-8 Mar-Apr 73

ADVERSE EFFECTS

Abortion of early pregnancy by the intravagin administration of prostaglandin F2alpha. Bolognes RJ, et al. **Am J Obstet Gynecol** 117:246-50, 15 Sep

Intra-amniotic prostaglandin F2 alpha to induce midtrimester abortion. Corson SL, et al. **Am J Obstet Gynecol** 117:27-34, 1 Sep 73

Midtrimester abortion using prostaglandin F2alph oxytocin, and laminaria. Engel T, et al. **Fertil Steril** 24:565-8, Aug 73

Intravenous prostaglandin F2alpha for induction menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug

Comparison of intravenous prostaglandins F 2 and E with intravenous oxytocin in the induction of labou Naismith WC, et al. **J Obstet Gynaecol Br Commonw** 80:531-5, Jun

Intraamniotic prostaglandin F2-alpha dose--twenty-four-hour abortifacient response. Brenner WE, et al. **J Pharm Sci** 62:1278-82, Aug

Prostaglandins and reproduction: a general surve Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 ref

Prostaglandin F 2 for induction of labour. Cheah SF, al. **Med J Malaysia** 27:211-6, Mar 73

Transient luteolytic effect of prostaglandin F2alpha the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Laminaria augmentation of intra-amniotic prostaglandin F2 alpha for the induction of mid-trimester abortion. Brenner WE, et al. **Prostaglandins** 3:879-94, Jun 73

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et **Prostaglandins** 2:453-64, Dec 72

The use of prostaglandin pessaries prior to vagin termination. Craft I. **Prostaglandins** 3:377-81, Mar

Induction of abortion by intra- and extra-amniot prostaglandin F2 administration. Järvinen PA, et **Prostaglandins** 3:491-504, Apr 73

Prostaglandin E2: evidence for luteolytic effec Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 7

On the mechanism of midtrimester abortions induc by prostaglandin "impact". Saldana L, et al. **Prostaglandins** 3:847-58, Jun 73

APPENDIX

ANALYSIS

Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73

Substances released from passively sensitized human lung tissue during challenge. Piper PJ. **Int Arch Allergy Appl Immunol** 45:87-90, 1973

Prostaglandins and reproduction: a general survey. Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 ref.)

The physiological role of prostaglandins in parturition. Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 ref.)

Search for prostaglandin A1 in onion. Attrep KA, et al. **Lipids** 8:484-6, Aug 73

Extraction of prostaglandins E1, E2 and E3 from human seminal plasma. Srivastava KC, et al. **Lipids** 8:431-3, Jul 73

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.)

Antibodies to pharmacologically active molecules: specificities and some applications of antiprostaglandins. Levine L. **Pharmacol Rev** 25:293-307, Jun 73 (46 ref.)

Release of prostaglandins by the I.U.C.D. Chaudhuri G. **Prostaglandins** 3:773-84, Jun 73

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al. **Prostaglandins** 4:85-92, Jul 73

Gas chromatographic determination of nanogram amounts of prostaglandins E and F. Jouvenaz GH, et al. **Prostaglandins** 3:175-87, Feb 73

Gas chromatographic determination of E prostaglandins in human amniotic fluid. Keirse MJ, et al. **Prostaglandins** 4:263-7, Aug 73

Hypertension, natriuresis and the renomedullary prostaglandins: an overview. Lee JB. **Prostaglandins** 3:551-79, May 73 (46 ref.)

Levels of 13,14-dihydro-15-keto-PGF in biological fluids as measured by radioimmunoassay. Levine L, et al. **Prostaglandins** 3:785-804, Jun 73

Mass spectra of prostaglandins. I. Trimethylsilyl and alkyloxime-trimethylsilyl derivatives of prostaglandin A1. Middleditch BS, et al. **Prostaglandins** 4:31-46, Jul 73

A newly recognized structure of renomedullary interstitial cell origin associated with high prostaglandin content. Prezyna A, et al. **Prostaglandins** 3:669-78, May 73

Level of F prostaglandin (PGF) in peripheral plasma and uterine tissue of cyclic rats. Saksena SK, et al. **Prostaglandins** 2:511-7, Dec 72

Uterine and peripheral plasma F-prostaglandins correlated with peripheral progesterone in cyclic rats. Saksena SK, et al. **Prostaglandins** 4:243-9, Aug 73

Human renal prostaglandins. Vance VK. **Prostaglandins** 3:647-67, May 73

Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Van Orden DE, et al. **Prostaglandins** 4:215-33, Aug 73

[Structure and metabolism of natural prostaglandins] Dray F. **Ann Med Interne (Paris)** 124:337-40, Apr 73 **(Fre)**

[Studies on extraction, separation and estimation of prostaglandins by radioimmunoassay. II. Separation of individual prostaglandin by thin-layer chromatography with stepwise development, and determination of prostaglandin E] Inagawa T, et al. **J Pharm Soc Jap** 93:471-5, Apr 73 (Eng. Abstr.) **(Jap)**

[Hypotensive activity of prostaglandin-like substances from the kidney medulla of rabbits under the action of DOCA-salt] Barbarash NA, et al. **Kardiologiia** 13:81-4, May 73 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of prostaglandin biosynthesis by 7-oxa- and 5-oxa-prostaglandin analogues. McDonald-Gibson RG, et al. **Biochem J** 132:117-20, Jan 73

Effect of prostaglandins on oviduct motility in estrous rabbits. Spilman CH, et al. **Biol Reprod** 9:36-45, Aug 73

Further experiments to establish that the analgesic action of aspirin-like drugs depends on the inhibition of prostaglandin biosynthesis. Ferreira SH, et al. **Br J Pharmacol** 47:629P-630P, Mar 73

Effects of indomethacin on rat gastric acid secretion and mucosal blood flow. Main IH, et al. **Br J Pharmacol** 47:666P, Mar 73

Prostaglandin synthesis by the pregnant rat uterus at term and its possible relevance in parturition. Williams KI. **Br J Pharmacol** 47:628P-629P, Mar 73

Analgesics and asthma. **Br Med J** 3:419-20, 25 Aug 73

Inhibition by lithium of prostaglandin E1 and norepinephrine effects on cyclic adenosine monophosphate production in human platelets. Murphy DL, et al. **Clin Pharmacol Ther** 14:810-4, Sep-Oct 73

Indomethacin, lipolysis, and cyclic AMP accumulation in white fat cells. Fain JN, et al. **Endocrinology** 93:632-9, Sep 73

Effects of progesterone on the ocular hypertensive response to prostaglandin. Chiang TS, et al. **Eur J Pharmacol** 22:304-10, Jun 73

Modulation of adenyl cyclase action in toad bladder by chlorpropamide: antagonism to prostaglandin E. Ozer A, et al. **Eur J Pharmacol** 22:227-32, Jun 73

Prostaglandin-versus alpha-adrenoceptor-mediated control of sympathetic neurotransmitter secretion in guinea-pig isolated vas deferens. Stjärne L. **Eur J Pharmacol** 22:233-8, Jun 73

Adverse reactions of antirheumatic drugs. Bach GL. **Int J Clin Pharmacol** 7:198-205, Apr 73

Prostaglandin E2 and gastric acid secretion in man. Bennett A, et al. **J Physiol (Lond)** 229:349-60, Mar 73

The physiological role of prostaglandins in parturition. Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 ref.)

Tumour-induced osteolysis. Powles TJ, et al. **Lancet** 2:504, 1 Sep 73

Prostaglandin regulation of airway smooth muscle tone. Orehek J, et al. **Nature [New Biol]** 245:84-5, 19 Sep 73

Aspirin inhibition of in vitro osteolysis stimulated by parathyroid hormone and PGE1. Powles TJ, et al. **Nature [New Biol]** 245:83-4, 19 Sep 73

Inhibition by imidazole of the increase in intraocular pressure induced by topical prostaglandin E. Zink HA, et al. **Nature [New Biol]** 245:21-3, 5 Sep 73

Pleiotypic control by cyclic AMP: interaction with cyclic GMP and possible role of microtubules. Kram R, et al. **Proc Natl Acad Sci USA** 70:1659-63, Jun 73

Effect of aspirin upon male mouse fertility. Cenedella RJ, et al. **Prostaglandins** 4:285-90, Aug 73

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

Release of prostaglandins by the I.U.C.D. Chaudhuri G. **Prostaglandins** 3:773-84, Jun 73

Failure of SC-19220 to affect prostaglandin E1 (PGR1) gastric antisecretory actions. Engel JJ, et al. **Prostaglandins** 4:65-70, Jul 73

Inhibition of abortion and fetal death produced by endotoxin or prostaglandin F2alpha. Harper MJ, et al. **Prostaglandins** 2:295-309, Oct 72

Prostaglandin modification of membrane-bound enzyme activity: a possible mechanism of action? Johnson M, et al. **Prostaglandins** 3:703-19, May 73 (54 ref.)

Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Kowalski K, et al. **Prostaglandins** 2:441-52, Dec 72

Inhibition of prostaglandin induced uterine activity in the second trimester of pregnancy by beta-mimetic adrenergic agents. Lindmark G, et al. **Prostaglandins** 3:481-9, Apr 73

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Effect of polyphloretin phosphate and 7-oxa-13-prostynoic acid on the vasoactive actions of prostaglandin E2 and 5-hydroxytryptamine on isolated human umbilical arteries. Park MK, et al. **Prostaglandins** 3:913-20, Jun 73

Antagonism of prostaglandin-promoted pituitary cyclic AMP accumulation and growth hormone secretion in vitro by 7-oxa-13-prostynoic acid. Ratner A, et al. **Prostaglandins** 3:413-9, Apr 73

Effects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al. **Prostaglandins** 3:155-72, Feb 73

Premature labour at Groote Schuur Hospital. Baillie P, et al. **S Afr Med J** 47:1299-301, 28 Jul 73

[Effect of indomethacin on the increase of capillary permeability induced by various phlogistic

APPENDIX

substances] Glão T Rico JM, et al.
C R Soc Biol (Paris) 166:1569-72, 1972 **(Fre)**
[Effect o indomethacine on the increase of capillary permeability induced by various phlogistic substances] Glão JM, et al.
Z Zelliforsch Mikrosk Anat 140:1569-72, 20 Jun 73 **(Fre)**

BIOSYNTHESIS

Prostaglandin--adenyl cyclase relationships. Shaw JE, et al. **Adv Cyclic Nucleotide Res** 1:479-91, 1972
Inhibition of prostaglandin biosynthesis by 7-oxa- and 5-oxa-prostaglandin analogues. McDonald-Gibson RG, et al. **Biochem J** 132:117-20, Jan 73
Cholera toxin-fat cell interaction and the mechanism of activation of the lipolytic response. Cuatrecasas P. **Biochemistry** 12:3567-77, 28 Aug 73
Inhibition of functional vasodilatation and prostaglandin formation in rabbit adipose tissue by indomethacin and aspirin. Bowery B, et al.
Br J Pharmacol 47:305-14, Feb 73
Further experiments to establish that the analgesic action of aspirin-like drugs depends on the inhibition of prostaglandin biosynthesis. Ferreira SH, et al.
Br J Pharmacol 47:629P-630P, Mar 73
Effects of indomethacin on rat gastric acid secretion and mucosal blood flow. Main IH, et al.
Br J Pharmacol 47:666P, Mar 73
Prostaglandin synthesis by the pregnant rat uterus at term and its possible relevance in parturition. Williams KI. **Br J Pharmacol** 47:628P-629P, Mar 73
On the organization and mechanism of prostaglandin synthetase. Wlodawer P, et al.
J Biol Chem 248:5673-8, 25 Aug 73
Prostaglandin E2 and gastric acid secretion in man. Bennett A, et al. **J Physiol (Lond)** 229:349-60, Mar 73
Anti-metastatic effect of aspirin. LiVolsi VA.
Lancet 1:263, 4 Aug 73
Tumour-induced osteolysis. Powles TJ, et al.
Lancet 2:504, 1 Sep 73
Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al.
Metabolism 22:1129-37, Aug 73 (41 ref.)
Prostaglandin regulation of airway smooth muscle tone. Orehek J, et al.
Nature [New Biol] 245:84-5, 19 Sep 73
Platelet aggregation induced by arachidonic acid is accompanied by release of potential inflammatory mediators distinct from PGE2 and PGF2. Vargaftig BB, et al. **Nature [New Biol]** 244:114-6, 25 Jul 73
Antibodies to pharmacologically active molecules: specificities and some applications of antiprostaglandins. Levine L.
Pharmacol Rev 25:293-307, Jun 73 (46 ref.)
Effects of thyrotropin and N6,02'-dibutyryl cyclic 3',5'-adenosine monophosphate on prostaglandin levels in thyroid. Burke G.
Prostaglandins 3:291-7, Mar 73
The incorporation of (1-14C) arachidonic acid into the lipids of rabbit renal slices and conversion to prostaglandins E2 and F2 . Crowshaw K.
Prostaglandins 3:607-20, May 73
The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)
High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al.
Prostaglandins 4:85-92, Jul 73
Duration of inhibition of platelet prostaglandin formation and aggregation by ingested aspirin or indomethacin. Kocsis JJ, et al.
Prostaglandins 3:141-4, Feb 73
Renomedullary interstitial cells (RIC), prostaglandins (PG) and the antihypertensive function of the kidney. Muirhead EE, et al.
Prostaglandins 3:581-94, May 73 (30 ref.)
Prostaglandin and eye. Neufeld AH, et al.
Prostaglandins 4:157-75, Aug 73 (60 ref.)
Indomethacin and aspirin inhibition of prostaglandin E2 synthesis by sheep seminal vesicles microsome powder. Raz A, et al. **Prostaglandins** 3:337-52, Mar 73
Binding of prostaglandins and cytochrome P-450. Tan L, et al. **Prostaglandins** 4:9-16, Jul 73
A new potential mediator of arterial thrombosis whose biosynthesis is inhibited by aspirin. Willis AL, et al.
Prostaglandins 4:127-30, Jul 73
New concepts of pathogenic mechanisms in allergy. Settipane GA. **RI Med J** 56:325-9 passim, Aug 73
[Structure and metabolism of natural prostaglandins] Dray F.
Ann Med Interne (Paris) 124:337-40, Apr 73 **(Fre)**
[Prostaglandins and hormonal regulation] Weber U.
Med Monatsschr 27:290-5, Jul 73 **(Ger)**

BLOOD

Toxemia of pregnancy. Mechanism and therapeutic management. Speroff L.
Am J Cardiol 32:582-91, 20 Sep 73 (67 ref.)
The effect of estradiol infusion on uterine activity and peripheral levels of prostaglandin F and progesterone. Larsen JW, et al.
Am J Obstet Gynecol 117:276-9, 15 Sep 73
Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al.
Anal Biochem 54:434-53, Aug 73
Interaction of prostaglandins with blood plasma proteins. Comparative binding of prostaglandins A 2 F 2 and E 2 to human plasma proteins. Raz A.
Biochem J 130:631-6, Nov 72
Further experiments to establish that the analgesic action of aspirin-like drugs depends on the inhibition of prostaglandin biosynthesis. Ferreira SH, et al.
Br J Pharmacol 47:629P-630P, Mar 73
Prostaglandin f2alpha levels in the maternal and feta circulations in late pregnancy. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:616-8, Jul 7
Gonadotrophins in the ovine oestrous cycle. Goding JR et al. **J Reprod Fertil [Suppl]** 18:31-7, Jul 7
The role of prostaglandins in luteal regression. McCracken JA, et al.
J Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 ref.
Prostaglandin F and progesterone concentrations i the utero-ovarian venous plasma of the ewe during th oestrous cycle and early pregnancy. Thorburn GD, e al. **J Reprod Fertil [Suppl]** 18:151-8, Jul 73
Metabolism of prostaglandin E1 in stomach, jejunur chyle and plasma of the dog and the rat. Nakano J, e al. **Jap J Pharmacol** 23:355-61, Jun 73
Hypertension and human renal prostaglandins. Vanc VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.
Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al.
Metabolism 22:1129-37, Aug 73 (41 ref.)
Medullary carcinoma of the thyroid gland: the complet syndrome in a child. Levin DL, et al.
Pediatrics 52:192-6, Aug 73
Prostaglandin F concentration in the peripheral bloo of the ewe during the estrous cycle. Coudert SP, et a
Prostaglandins 2:501-9, Dec 72
Induction of premature parturition in goats by prostaglandin F2 administered into the uterine veil Currie WB, et al. **Prostaglandins** 4:201-14, Aug 7
Prostaglandin E levels in peripheral blood during labo Hertelendy F, et al. **Prostaglandins** 3:223-7, Feb 7
Physiologic role of prostaglandins of the E(PGE F(PGF) and AB(PGAB) groups. Estimation by radioimmunoassay in unextracted human plasm Jubiz W, et al. **Prostaglandins** 2:471-89, Dec 7
Duration of inhibition of platelet prostaglandin formation and aggregation by ingested aspirin indomethacin. Kocsis JJ, et al.
Prostaglandins 3:141-4, Feb 73
The counter-current transfer of prostaglandin in th ewe. Lamond DR, et al.
Prostaglandins 3:691-702, May 73
Studies of prostaglandin F2 in the cow. Lamond DR, al. **Prostaglandins** 4:269-84, Aug 73
Hypertension, natriuresis and the renomedullar prostaglandins: an overview. Lee JB.
Prostaglandins 3:551-79, May 73 (46 ref.)
Levels of 13,14-dihydro-15-keto-PGF in biological fluid as measured by radioimmunoassay. Levine L, et a
Prostaglandins 3:785-804, Jun 73
Prostaglandin E1 metabolism by human plasma McDonald-Gibson WJ, et al.
Prostaglandins 2:251-63, Oct 72
Absorption of prostaglandin E2 and uterine sensitivi of the non-pregnant and pregnant monkey in viv Oshima K, et al. **Prostaglandins** 3:447-55, Apr
Level of F prostaglandin (PGF) in peripheral plasm and uterine tissue of cyclic rats. Saksena SK, et a
Prostaglandins 2:511-7, Dec 72
Uterine and peripheral plasma F-prostaglandins correlated with peripheral progesterone in cyci rats. Saksena SK, et al. **Prostaglandins** 4:243-9, Aug
Plasma progesterone and prostaglandin F2 leve

APPENDIX

during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

Steroids in the ovarian venous plasma and F prostaglandins in the peripheral plasma during pseudopregnancy and days 1-9 of pregnancy in the golden hamster. Shaikh AA, et al. **Prostaglandins** 4:17-30, Jul 73

An essay: prostaglandins and toxemia of pregnancy. Speroff L. **Prostaglandins** 3:721-8, May 73

Successful treatment of hypercalcemia by indomethacin in mice bearing a prostaglandin-producing fibrosarcoma. Tashjian AH Jr, et al. **Prostaglandins** 3:515-24, Apr 73

Human renal prostaglandins. Vance VK. **Prostaglandins** 3:647-67, May 73

Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Van Orden DE, et al. **Prostaglandins** 4:215-33, Aug 73

The role of prostaglandin A in the control of sodium homeostasis and blood pressure. Zusman RM, et al. **Prostaglandins** 3:679-90, May 73

Radioimmunoassay of the A prostaglandins. Zusman RM, et al. **Prostaglandins** 2:41-53, Jul 72

[Prostaglandin] Sato K, et al. **Clin Endocrinol (Tokyo)** 21:245-9, Mar 73 **(Jap)**

CHEMICAL SYNTHESIS

Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73

Prostaglandins and congeners. V. (1) Synthesis of dl-prostaglandin E1, dl-11-deoxyprostaglandin E1, and dl-15-hydroxy-9-oxo-13-cis-prostenoic acid via conjugate addition of 3-trityloxy -1-octenylmagnesium bromides. Bernady KF, et al. **Prostaglandins** 3:505-8, Apr 73

Synthesis of prostaglandins by alanate additions to cyclopentenones (1). Floyd MB, et al. **Prostaglandins** 3:921-4, Jun 73

Synthesis and biological properties of 16-alkylprostaglandins. Magerlein BJ, et al. **Prostaglandins** 4:143-5, Jul 73

Improved preparation of a prostaglandin intermediate; 2-chloro-2-cyano- 5-7-syn-methoxymethyl bicyclo (2.2.1) heptene. Weinshenker NM. **Prostaglandins** 3:219-22, Feb 73

[10,11-Methylene and 11-methyl-prostaglandins] Vogel P, et al. **Helv Chim Acta** 56:557-60, 1973 **(Fre)**

CLASSIFICATION

Prostaglandins. **W Va Med J** 69:182, Jul 73

HISTORY

[Prostaglandins and hormonal regulation] Weber U. **Med Monatsschr** 27:290-5, Jul 73 **(Ger)**

ISOLATION & PURIFICATION

Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73

The release of spasmogenic substances from human chopped lung tissue and its inhibition. Piper PJ, et al. **Br J Pharmacol** 47:291-304, Feb 73

Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours. Apps MC, et al. **J Pathol** 109:pv, Jan 73

Extraction of prostaglandins E1, E2 and E3 from human seminal plasma. Srivastava KC, et al. **Lipids** 8:431-3, Jul 73

The incorporation of (1-14C) arachidonic acid into the lipids of rabbit renal slices and conversion to prostaglandins E2 and F2 . Crowshaw K. **Prostaglandins** 3:607-20, May 73

Gas chromatographic determination of E prostaglandins in human amniotic fluid. Keirse MJ, et al. **Prostaglandins** 4:263-7, Aug 73

Preparation of prostaglandins A2, E2 and 11-epi-E2 from their 15 acetates methyl esters using an endogenous enzyme system present in Plexaura homomalla (esper). Prince A, et al. **Prostaglandins** 3:531-5, Apr 73

Quantitative vapor-phase analysis of prostaglandin F2 in female human urine. Sweetman BJ, et al. **Prostaglandins** 3:385-7, Mar 73

Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Van Orden DE, et al. **Prostaglandins** 4:215-33, Aug 73

[Prostaglandin] Sato K, et al. **Clin Endocrinol (Tokyo)** 21:245-9, Mar 73 **(Jap)**

[Studies on extraction, separation and estimation of prostaglandins by radioimmunoassay. II. Separation of individual prostaglandin by thin-layer chromatography with stepwise development, and determination of prostaglandin E] Inagawa T, et al. **J Pharm Soc Jap** 93:471-5, Apr 73 (Eng. Abstr.) **(Jap)**

[Effect of gangliosides on the sensitivity of embryonic cells to neuropharmacological preparations] Buznikov GA, et al. **Dokl Akad Nauk SSSR** 210:1457-60, 1973 **(Rus)**

METABOLISM

Prostaglandin--adenyl cyclase relationships. Shaw JE, et al. **Adv Cyclic Nucleotide Res** 1:479-91, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. **Adv Cyclic Nucleotide Res** 1:503-20, 1972

Prostaglandins: therapy for peptic ulcer? Wilson DE. **Ann Intern Med** 79:269-70, Aug 73

The release of spasmogenic substances from human chopped lung tissue and its inhibition. Piper PJ, et al. **Br J Pharmacol** 47:291-304, Feb 73

The lung as a metabolic organ: an overview. Heinemann HO. **Fed Proc** 32:1955-6, Sep 73

Non-hemorrhagic arthus reaction and its independence from circulating antibodies and complement. Maillard JL, et al. **Int Arch Allergy Appl Immunol** 45:190-2, 1973

Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al. **J Biol Chem** 248:5705-11, 25 Aug 73

Metabolism of prostaglandin E1 in stomach, jejunum chyle and plasma of the dog and the rat. Nakano J, et al. **Jap J Pharmacol** 23:355-61, Jun 73

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.)

Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al. **Metabolism** 22:1129-37, Aug 73 (41 ref.)

Antibodies to pharmacologically active molecules: specificities and some applications of antiprostaglandins. Levine L. **Pharmacol Rev** 25:293-307, Jun 73 (46 ref.)

Release of prostaglandins by the I.U.C.D. Chaudhuri G. **Prostaglandins** 3:773-84, Jun 73

Hypertension, natriuresis and the renomedullary prostaglandins: an overview. Lee JB. **Prostaglandins** 3:551-79, May 73 (46 ref.)

Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles. LeMaire WJ, et al. **Prostaglandins** 3:367-76, Mar 73

Synthesis and biological properties of 16-alkylprostaglandins. Magerlein BJ, et al. **Prostaglandins** 4:143-5, Jul 73

Prostaglandin release by the isolated perfused rabbit heart. Minkes MS, et al. **Prostaglandins** 3:439-45, Apr 73

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Indomethacin and aspirin inhibition of prostaglandin E2 synthesis by sheep seminal vesicles microsome powder. Raz A, et al. **Prostaglandins** 3:337-52, Mar 73

Effect of exogenous estradiol and progesterone on the uterine tissue levels of prostaglandin F2 (PGF2) in ovariectomized mice. Saksena SK, et al. **Prostaglandins** 3:317-22, Mar 73

An essay: prostaglandins and toxemia of pregnancy. Speroff L. **Prostaglandins** 3:721-8, May 73

Binding of prostaglandins and cytochrome P-450. Tan L, et al. **Prostaglandins** 4:9-16, Jul 73

Successful treatment of hypercalcemia by indomethacin in mice bearing a prostaglandin-producing fibrosarcoma. Tashjian AH Jr, et al. **Prostaglandins** 3:515-24, Apr 73

Prostaglandin receptors in the hamster uterus during the estrous cycle. Wakeling AE, et al. **Prostaglandins** 4:1-8, Jul 73

The role of prostaglandin A in the control of sodium

APPENDIX

homeostasis and blood pressure. Zusman RM, et al. **Prostaglandins** 3:679-90, May 73

[Physiological significance of prostaglandins] Charbonnel B, et al. **Ann Med Interne (Paris)** 124:341-6, Apr 73 **(Fre)**

[Structure and metabolism of natural prostaglandins] Dray F. **Ann Med Interne (Paris)** 124:337-40, Apr 73 **(Fre)**

[Vasoactive substance and the lung] Kitamura S. **Respir Circ (Tokyo)** 21:688-700, Aug 73 (125 ref.) **(Jap)**

PHARMACODYNAMICS

Interaction of prostaglandins and LH-RH in vitro. Babej M, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:81, 1973

"Uterine" and "luteal" effects of prostaglandins (PG) in rats and guinea pigs as potential abortifacient mechanisms. Elger W, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:46, 1973

Comparative study on actions of prostaglandin F2 alpha and oxytocin upon pregnant rat uterus. Hogaki M, et al. **Acta Obstet Gynaecol Jap** 19:118-24, Apr 72

Role of cyclic AMP in the regulation of gastric secretion in dogs and humans. Bieck PR. **Adv Cyclic Nucleotide Res** 1:149-61, 1972

Levels of cyclic AMP and rate of fat mobilizing lipolysis in human adipose tissue in response to different adrenergic stimulators. Carlson LA, et al. **Adv Cyclic Nucleotide Res** 1:87-90, 1972

Regulation of cyclic AMP metabolism in cultured cells of the nervous system. Gilman AG. **Adv Cyclic Nucleotide Res** 1:389-410, 1972

Cyclic AMP-mediated adrenergic synapses to cerebellar Purkinje cells. Hoffer BJ, et al. **Adv Cyclic Nucleotide Res** 1:411-23, 1972

The effect of cholera toxin on intestinal adenyl cyclase. Hynie S, et al. **Adv Cyclic Nucleotide Res** 1:163-74, 1972

Cyclic AMP and prostaglandins in hormone action. Kuehl FA Jr, et al. **Adv Cyclic Nucleotide Res** 1:493-502, 1972

Prostaglandin--adenyl cyclase relationships. Shaw JE, et al. **Adv Cyclic Nucleotide Res** 1:479-91, 1972

Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary. Zor U, et al. **Adv Cyclic Nucleotide Res** 1:503-20, 1972

The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Bolognese RJ, et al. **Am J Obstet Gynecol** 117:240-5, 15 Sep 73

Redistribution of blood flow by prostaglandin F2alpha in the rabbit ovary. Novy MJ, et al. **Am J Obstet Gynecol** 117:381-5, 1 Oct 73

Prostaglandins and asthma. Parker CW, et al. **Ann Intern Med** 78:963-5, Jun 73 (30 ref.)

Prostaglandins: therapy for peptic ulcer? Wilson DE. **Ann Intern Med** 79:269-70, Aug 73

The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase. Constantopoulos A, et al. **Biochem Biophys Res Commun** 53:794-9, 6 Aug 73

The occurrence of fluoride stimulated membrane phosphoprotein phosphatase. Layne P, et al. **Biochem Biophys Res Commun** 53:800-5, 6 Aug 73

Lymphocyte activation: the dualistic effect of cAMP. Webb DR, et al. **Biochem Biophys Res Commun** 53:1002-8, 6 Aug 73

Adenine nucleotide metabolism of blood platelets. 8. Transport of adenine into human platelets. Sixma JJ, et al. **Biochim Biophys Acta** 298:460-8, 16 Mar 73

Effect of prostaglandins on oviduct motility in estrous rabbits. Spilman CH, et al. **Biol Reprod** 9:36-45, Aug 73

Surface coating and transport. Leaf A. **Biomembranes** 3:349-55, 1972

Prostaglandin E1 and platelets. Bousser MG. **Biomedicine** 18:95-102, Mar 73 (63 ref.)

The actions of prostaglandins A1 and A2 on airway resistance and compliance in the cat. Ballantyne A, et al. **Br J Pharmacol** 47:630P-631P, Mar 73

Inhibition of functional vasodilatation and prostaglandin formation in rabbit adipose tissue by indomethacin and aspirin. Bowery B, et al. **Br J Pharmacol** 47:305-14, Feb 73

Role of pre- and postjunctional inhibition by prostaglandin E2 of lipolysis induced by sympathetic nerve stimulation in dog subcutaneous adipose tissue in situ. Fredholm BB, et al. **Br J Pharmacol** 47:711-8, Apr 73

Effects of prostaglandin E1 on acid secretion, mucosal histamine content and histidine decarboxylase activity in rat stomach. Håkanson R, et al. **Br J Pharmacol** 47:498-503, Mar 73

Prostaglandin E1 causes sedation and increases 5-hydroxytryptamine turnover in rat brain. Haubrich DR, et al. **Br J Pharmacol** 48:80-7, May 73

Glucagon and prostaglandin E1 stimulation of cyclic adenosine 3', 5'-monophosphate levels and adenylate cyclase activity in benign hyperplastic nodules and malignant hepatomas of ethionine-treated rats. Chayoth R, et al. **Cancer Res** 33:1970-4, Aug 73

Effects of drugs on the nose and middle ear. Lessons from an animal model. Jackson RT. **Clin Pediatr (Phila)** 12:559-62, Sep 73

Enhanced release of insulin by prostaglandins in isolated pancreatic islets. Johnson DG, et al. **Diabetes** 22:658-63, Sep 73

Prostaglandins for inducing labor and abortion. **Drug Ther Bull** 11:41-3, 25 May 73

Prostaglandins and neurosecretion: a histochemical study. Singh U, et al. **East Afr Med J** 50:199-206, Apr 73

Secretion rate of testicular steroids in the conscious and halothane-anesthetized rat. Free MJ, et al. **Endocrinology** 93:874-9, Oct 73

Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Labrie F, et al. **Endocrinology** 93:903-14, Oct 73

The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis. Sherwood OD, et al. **Endocrinology** 93:723-8, Sep 73

Action of caerulein and related substances on the pyloric sphincter of the anaesthetized rat. Bertaccini G, et al. **Eur J Pharmacol** 22:320-4, Jun 73

Effects of progesterone on the ocular hypertensive response to prostaglandin. Chiang TS, et al. **Eur J Pharmacol** 22:304-10, Jun 73

Modulation of adenyl cyclase action in toad bladder by chlorpropamide: antagonism to prostaglandin E. Ozer A, et al. **Eur J Pharmacol** 22:227-32, Jun 73

In vitro contraction of embryonic skin produced by prostaglandins. Kischer CW. **Experientia** 29:30-1, 1 May 73

Changes in body temperature produced by injecting prostaglandin E1, EGTA and bacterial endotoxins into the PO-AH region and the medulla oblongata of the rat. Lipton JM, et al. **Experientia** 29:806-8, 1973

Effect of prostaglandins on cyclic AMP concentrations in toad bladder and rat kidney. Besley GT, et al. **FEBS Lett** 31:269-72, 1 May 73

Stimulation by prostaglandin E1 of adenosine 3':5'-cyclic monophosphate formation in neuroblastoma cells in the presence of phosphodiesterase inhibitors. Hamprecht B, et al. **FEBS Lett** 34:85-9, 1 Aug 73

Postcoital prostaglandins, in vivo oviductal motility, and egg transport in rabbits. Aref I, et al. **Fertil Steril** 24:671-6, Sep 73

Intravenous prostaglandin F2alpha for induction of menses. Wentz AC, et al. **Fertil Steril** 24:569-77, Aug 73

Studies on the mechanism of T lymphocyte-mediated cytolysis. Henney S. **Int Arch Allergy Appl Immunol** 45:281-4, 1973

The effect of disodium cromoglycate and PGF2 alpha on acute cutaneous reactions of the guinea pig and rat. Taylor WA. **Int Arch Allergy Appl Immunol** 45:82-3, 1973

Binding of prostaglandin E1 to beef thyroid membranes. Moore WV, et al. **J Biol Chem** 248:5705-11, 25 Aug 73

Mechanisms of lysosomal enzyme release from human leukocytes. I. Effect of cyclic nucleotides and colchicine. Zurier RB, et al. **J Cell Biol** 58:27-41, Jul 73

Histamine release induced by human leukocyte lysates. Reabsorption of previously released histamine after exposure to cyclic amp-active agents. Kelly MT, et al. **J Clin Invest** 52:1834-40, Aug 73

Enhanced effects of prostaglandin E1 and dibutyryl cyclic AMP upon human lymphocytes in the presence of cortisol. Mendelsohn J, et al. **J Clin Invest** 52:2129-37, Sep 73

Plasmin-induced platelet aggregation and platelet release reaction. Effects on hemostasis. Niewiarowski S, et al. **J Clin Invest** 52:1647-59, Jul 73

Inhibition of primary ADP-induced platelet aggregation in normal subjects after administration of nitrofurantoin (furadantin). Rossi EC, et al. **J Clin Invest** 52:2457-67, Oct 73

Prostaglandin-induced parturition in the rabbit; quantitative aspects of the route and duration of

APPENDIX

administration. Abel M, et al. **J Endocrinol** 58:xvi, Jul 73

The modulating influence of cyclic nucleotides upon lymphocyte-mediated cytotoxicity. Strom TB, et al. **J Exp Med** 138:381-93, 1 Aug 73

Polyphloretin phosphate temporarily potentiates prostaglandin E 2 on the rat fundus, probably by inhibiting PG15-hydroxydehydrogenase. Ganesan PA, et al. **J Pharm Pharmacol** 25:229-33, Mar 73

The biological activity of the (15S)-15-methyl analogs of prostaglandins. E2 and F2a. Weeks JR, et al. **J Pharmacol Exp Ther** 186:67-74, Jul 73

Evaluation of electrical pulses and elevated levels of potassium ions as stimulants of adenosine 3', 5'-monophosphate (cyclic AMP) accumulation in guinea-pig brain. Zanella J Jr, et al. **J Pharmacol Exp Ther** 186:241-52, Aug 73

Prostaglandin E2 and gastric acid secretion in man. Bennett A, et al. **J Physiol (Lond)** 229:349-60, Mar 73

Prostaglandin E1 and net water flow across isolated frog skin. Hall WJ, et al. **J Physiol (Lond)** 232:85P-86P, Jul 73

Effects of hormones, prostaglandins and cyclic-AMP on the synthesis of progesterone by the human placenta in vitro. Bedwani JR. **J Reprod Fertil** 34:141-5, Jul 73

Synchronization of oestrus in cattle using a prostaglandin F2alpha analogue (ICI 79939). Tervit HR, et al. **J Reprod Fertil** 34:179-81, Jul 73

Prostaglandins and reproduction: a general survey. Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 ref.)

Abortion and coagulation by prostaglandin. Intra-amniotic dinoprost tromethamine effect on the coagulation and fibrinolytic systems. Bell WR, et al. **JAMA** 225:1082-4, 27 Aug 73

Renal vasodilation and uncoupling of blood flow and filtration rate autoregulation. Baer PG, et al. **Kidney Int** 4:12-21, Jul 73

Search for prostaglandin A1 in onion. Attrep KA, et al. **Lipids** 8:484-6, Aug 73

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.)

Prostaglandin F 2 for induction of labour. Cheah SF, et al. **Med J Malaysia** 27:211-6, Mar 73

Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Daniel V, et al. **Nature [New Biol]** 244:167-9, 8 Aug 73

Aspirin inhibition of in vitro osteolysis stimulated by parathyroid hormone and PGE1. Powles TJ, et al. **Nature [New Biol]** 245:83-4, 19 Sep 73

Platelet aggregation induced by arachidonic acid is accompanied by release of potential inflammatory mediators distinct from PGE2 and PGF2. Vargaftig BB, et al. **Nature [New Biol]** 244:114-6, 25 Jul 73

Effects of antilipolytic drugs on cyclic 3',5'-AMP dependent protein kinase. Dinnendahl V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 278:293-300, 1973

Transient luteolytic effect of prostaglandin F2alpha in the human. Wentz AC, et al. **Obstet Gynecol** 42:172-81, Aug 73

Pleiotypic control by cyclic AMP: interaction with cyclic GMP and possible role of microtubules. Kram R, et al. **Proc Natl Acad Sci USA** 70:1659-63, Jun 73

A temperature-sensitive change in the energy of activation of hormone-stimulated hepatic adenylyl cyclase. Kreiner PW, et al. **Proc Natl Acad Sci USA** 70:1785-9, Jun 73

Stereospecific binding of the potent narcotic analgesic (3H) Etorphine to rat-brain homogenate. Simon EJ, et al. **Proc Natl Acad Sci USA** 70:1947-9, Jul 73

Prostaglandins and the pulmonary circulation. Alpert JS, et al. **Prostaglandins** 3:759-65, Jun 73

The stimulatory action of the prostaglandins on the production of oestrogens by the human placenta perfused in vitro. Alsat E, et al. **Prostaglandins** 3:145-53, Feb 73

Prostaglandins: effect on plasma calcium concentration. Beliel OM, et al. **Prostaglandins** 3:237-41, Feb 73

The effect of orally administered prostaglandins A1, A2 and 15 EPI-A2 on human gastric acid secretion. Bhana D, et al. **Prostaglandins** 3:307-16, Mar 73

Inotropic effects of prostaglandins, fatty acids and adenosine phosphates on hypodynamic frog hearts. Boer J de, et al. **Prostaglandins** 3:805-25, Jun 73

Laminaria augmentation of intra-amniotic prostaglandin F2 alpha for the induction of mid-trimester abortion. Brenner WE, et al. **Prostaglandins** 3:879-94, Jun 73

Comparative effects of purine nucleotides on thyrotropin- and prostaglandin E1-responsive adenylate cyclase in thyroid plasma membrane. Burke G. **Prostaglandins** 3:537-40, Apr 73

Effect of PGA1 on renin and aldosterone in man. Carr AA. **Prostaglandins** 3:621-8, May 73

Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery. Cerini ME, et al. **Prostaglandins** 3:399-404, Apr 73

Failure of prostaglandin F2 to affect LH secretion in the ovariectomized ewe. Chamley WA, et al. **Prostaglandins** 3:405-12, Apr 73

Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establishment of placental physiology in pregnant rats. Chatterjee A. **Prostaglandins** 3:189-99, Feb 73

The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins** 3:245-89, Mar 73 (46 ref.)

The efficacy and acceptability of the "prostaglandin impact" in inducing complete abortion during the second week after the missed menstrual period. Csapo AI, et al. **Prostaglandins** 3:125-39, Feb 73

Effect of intraventricularly administered prostaglandin E1 on the electrical activity of cerebral cortex and behavior in the unanesthetized monkey. Desiraju T. **Prostaglandins** 3:859-70, Jun 73

Effect of prostaglandin F2alpha on length of diestrus in mares. Douglas RH, et al. **Prostaglandins** 2:265-8, Oct 72

Failure of SC-19220 to affect prostaglandin E1 (PGR1) gastric antisecretory actions. Engel JJ, et al. **Prostaglandins** 4:65-70, Jul 73

Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al. **Prostaglandins** 3:629-46, May 73 (35 ref.)

Contractions of rabbit testes in vitro: permissive role of prostaglandins for the actions of calcium and some smooth-muscle stimulating agents. Hargrove JL, et al. **Prostaglandins** 3:469-80, Apr 73

Prostaglandin-induced premature oviposition in the coturnix quail. Hertelendy F. **Prostaglandins** 2:269-79, Oct 72

Prostaglandin and renal function--the effect of prostaglandin A2 on the P.S.P. excretion. Ito H, et al. **Prostaglandins** 3:359-65, Mar 73

Red blood cell deformability and the prostaglandins. Jay AW, et al. **Prostaglandins** 3:871-7, Jun 73

Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Jöchle W, et al. **Prostaglandins** 3:209-17, Feb 73

Prostaglandin modification of membrane-bound enzyme activity: a possible mechanism of action? Johnson M, et al. **Prostaglandins** 3:703-19, May 73 (54 ref.)

The effect of orally and intravenously administered prostaglandin 16:16 dimethyl E2 methyl ester on human gastric acid secretion. Karim SM, et al. **Prostaglandins** 4:71-83, Jul 73

Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Kowalski K, et al. **Prostaglandins** 2:441-52, Dec 72

Effects of prostaglandins E1, E2 and F2 on zygote transport in rats: induction of delayed implantation. Labhsetwar AP. **Prostaglandins** 4:115-25, Jul 73

Do prostaglandins stimulate LH release and thereby cause luteolysis? Labhsetwar AP. **Prostaglandins** 3:729-32, May 73

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins** 2:23-31, Jul 72

Studies of prostaglandin F2 in the cow. Lamond DR, et al. **Prostaglandins** 4:269-84, Aug 73

Hypertension, natriuresis and the renomedullary prostaglandins: an overview. Lee JB. **Prostaglandins** 3:551-79, May 73 (46 ref.)

Some cardiovascular and respiratory effects of prostaglandins E1, E2 and F2 alpha in the calf. Lewis AJ, et al. **Prostaglandins** 2:55-64, Jul 72

The effects of a series of prostaglandins on in vitro models of the allergic response and cellular immunity. Lichtenstein LM, et al. **Prostaglandins** 2:519-28, Dec 72

Inhibition of prostaglandin induced uterine activity in the second trimester of pregnancy by beta-mimetic adrenergic agents. Lindmark G, et al. **Prostaglandins** 3:481-9, Apr 73

Differential inhibition by prostaglandins of the renal

APPENDIX

actions of pressor stimuli. Lonigro AJ, et al. **Prostaglandins** 3:595-606, May 73

Synthesis and biological properties of 16-alkylprostaglandins. Magerlein BJ, et al. **Prostaglandins** 4:143-5, Jul 73

Renomedullary interstitial cells (RIC), prostaglandins (PG) and the antihypertensive function of the kidney. Muirhead EE, et al. **Prostaglandins** 3:581-94, May 73 (30 ref.)

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Direct actions of prostaglandins E1, A1, F2 on myocardial contraction. Nutter DO, et al. **Prostaglandins** 3:323-36, Mar 73

Absorption of prostaglandin E2 and uterine sensitivity of the non-pregnant and pregnant monkey in vivo. Oshima K, et al. **Prostaglandins** 3:447-55, Apr 73

The effect of prostaglandin on the electric activity of the pregnant uterus. Paiva CE de, et al. **Prostaglandins** 4:177-88, Aug 73

Effect of polyphloretin phosphate and 7-oxa-13-prostynoic acid on the vasoactive actions of prostaglandin E2 and 5-hydroxytryptamine on isolated human umbilical arteries. Park MK, et al. **Prostaglandins** 3:913-20, Jun 73

Pregnancy and progeny in rats treated with prostaglandin E2. Persaud TV. **Prostaglandins** 3:299-305, Mar 73

Antagonism of prostaglandin-promoted pituitary cyclic AMP accumulation and growth hormone secretion in vitro by 7-oxa-13-prostynoic acid. Ratner A, et al. **Prostaglandins** 3:413-9, Apr 73

Bronchodilating properties of the prostaglandin f2 in the guinea pig and cat. Rosenthale ME, et al. **Prostaglandins** 3:767-72, Jun 73

Prostaglandins E2 and F2 decrease plasma testosterone levels in male rats. Saksena SK, et al. **Prostaglandins** 4:235-42, Aug 73

Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins** 4:107-13, Jul 73

Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacological compounds. Seeley RR, et al. **Prostaglandins** 2:33-40, Jul 72

Changes in estrogen levels in maternal venous plasma after intra-amniotic infusion of prostaglandin F2 for therapeutic abortion. Shutt DA, et al. **Prostaglandins** 4:291-9, Aug 73

The effect of PGE1 on ADP-induced aggregation in refractory platelets. Simard-Duquesne N, et al. **Prostaglandins** 3:457-60, Apr 73

Uterine sensitivity to prostaglandins in the pregnant rabbit: a method for testing the effect of previous administration of small doses of PGF2 for short periods. Smith GW, et al. **Prostaglandins** 3:525-30, Apr 73

Luteinizing hormone release and ovulation induced by the intraventricular infusion of prostaglandin E1 into pentobarbital-blocked rats. Spies HG, et al. **Prostaglandins** 4:131-41, Jul 73

Effect of prostaglandins on sperm transport and fertilization in the rabbit. Spilman CH, et al. **Prostaglandins** 4:57-64, Jul 73

Comparative responses of hamster vas deferens and seminal vesicle to the effect of prostaglandins E1 and E2 on stimulation by epinephrine. Stahl P. **Prostaglandins** 2:491-500, Dec 72

Comparison of secretion of sympathetic neurotransmitter induced by nerve stimulation with that evoked by high potassium, as triggers of dual alpha-adrenoceptor mediated negative feed-back control of noradrenaline secretion. Stjärne L. **Prostaglandins** 3:421-6, Apr 73

Response of the midpregnant human uterus to systemic administration of 15(S)-15-methyl-prostaglandin F2alpha. Toppozada M, et al. **Prostaglandins** 2:239-49, Oct 72

Ovulation rate and serum LH levels in rats treated with indomethacin or prostaglandin E2. Tsafriri A, et al. **Prostaglandins** 3:461-7, Apr 73

Physiological role of prostaglandins in the induction of ovulation. Tsafriri A, et al. **Prostaglandins** 2:1-10, Jul 72

Human renal prostaglandins. Vance VK. **Prostaglandins** 3:647-67, May 73

Prostaglandin receptors in the hamster uterus during the estrous cycle. Wakeling AE, et al. **Prostaglandins** 4:1-8, Jul 73

Effects of PGF2 infusion on human cortisol biosynthesis. Wentz AC, et al. **Prostaglandins** 3:155-72, Feb 73

Prostaglandins and in vitro ovarian progestin biosynthesis. Wilks JW, et al. **Prostaglandins** 3:427-37, Apr 73

A comparison between the effects of prostaglandin F2alpha and oxytocin on fluid balance during induction of labour in patients suffering from pre-eclampsia. Scher J, et al. **S Afr Med J** 47:1291-2, 28 Jul 73

Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al. **Science** 181:760-1, 24 Aug 73

Homeostasis and the prostaglandins. Lee JB. **Trans Stud Coll Physicians Phila** 41:6-27, Jul 73 (52 ref.)

[Prostaglandins, blood platelets, and thrombosis] Bousser MG. **Ann Med Interne (Paris)** 124:351-4, Apr 73 **(Fre)**

[Physiological significance of prostaglandins] Charbonnel B, et al. **Ann Med Interne (Paris)** 124:341-6, Apr 73 **(Fre)**

[Hemodynamic effects of prostaglandin A2 in essential hypertension] Hornych A, et al. **Ann Med Interne (Paris)** 124:355-8, Apr 73 **(Fre)**

[Prostaglandins and the female genitalia] Sureau C. **Ann Med Interne (Paris)** 124:347-9, Apr 73 **(Fre)**

[Prostaglandins: somatic substances and possible remedies] Hapke HJ. **Dtsch Tieraerztl Wochenschr** 80:237-40, 15 May 73 (4 ref.) **(Ger)**

[Prostaglandins and hormonal regulation] Weber U. **Med Monatsschr** 27:290-5, Jul 73 **(Ger)**

[Influence of Prostaglandin F2-alpha on the contractility of the nonpregnant human uterus in vitro] Czekanowski R, et al. **Z Geburtshilfe Perinatol** 177:202-9, Jun 73 (Eng. Abstr.) **(Ger)**

[Hypotensive activity of prostaglandin-like substances from the kidney medulla of rabbits under the action of DOCA-salt] Barbarash NA, et al. **Kardiologiia** 13:81-4, May 73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Acute renal failure in obstetric septic shock. Current views on pathogenesis and management. Emmanouel DS, et al. **Am J Obstet Gynecol** 117:145-59, 1 Sep 73 (161 ref.)

Prostaglandins and asthma. Parker CW, et al. **Ann Intern Med** 78:963-5, Jun 73 (30 ref.)

Indomethacin, lipolysis, and cyclic AMP accumulation in white fat cells. Fain JN, et al. **Endocrinology** 93:632-9, Sep 73

Prostaglandin-versus alpha-adrenoceptor-mediated control of sympathetic neurotransmitter secretion in guinea-pig isolated vas deferens. Stjärne L. **Eur J Pharmacol** 22:233-8, Jun 73

Prostaglandins and reproduction: a general survey. Eliasson R. **J Reprod Fertil [Suppl]** 18:127-32, Jul 73 (14 ref.)

The physiological role of prostaglandins in parturition. Liggins GC. **J Reprod Fertil [Suppl]** 18:143-50, Jul 73 (25 ref.)

The role of prostaglandins in luteal regression. McCracken JA, et al. **J Reprod Fertil [Suppl]** 18:133-42, Jul 73 (91 ref.)

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC** 42:419-22, Sep 73 (31 ref.)

Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al. **Metabolism** 22:1129-37, Aug 73 (41 ref.)

Prostaglandin regulation of airway smooth muscle tone. Orehek J, et al. **Nature [New Biol]** 245:84-5, 19 Sep 73

Effect of aspirin upon male mouse fertility. Cenedella RJ, et al. **Prostaglandins** 4:285-90, Aug 73

Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al. **Prostaglandins** 3:629-46, May 73 (35 ref.)

Physiologic role of prostaglandins of the E(PGE), F(PGF) and AB(PGAB) groups. Estimation by radioimmunoassay in unextracted human plasma. Jubiz W, et al. **Prostaglandins** 2:471-89, Dec 72

Hypertension, natriuresis and the renomedullary prostaglandins: an overview. Lee JB. **Prostaglandins** 3:551-79, May 73 (46 ref.)

Prostaglandin and eye. Neufeld AH, et al. **Prostaglandins** 4:157-75, Aug 73 (60 ref.)

Physiological role of prostaglandins in the induction of

APPENDIX

ovulation. Tsafriri A, et al.
Prostaglandins 2:1-10, Jul 72

The role of prostaglandin A in the control of sodium homeostasis and blood pressure. Zusman RM, et al.
Prostaglandins 3:679-90, May 73

Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Harms PG, et al.
Science 181:760-1, 24 Aug 73

Prostaglandins. **W Va Med J 69:182, Jul 73**

[Physiological significance of prostaglandins] Charbonnel B, et al.
Ann Med Interne (Paris) 124:341-6, Apr 73 (Fre)

[Prostaglandins and the female genitalia] Sureau C.
Ann Med Interne (Paris) 124:347-9, Apr 73 (Fre)

[Slow-reacting substances. Bibliographical review] Damas J. **Rev Med Liege 28:538-44, 1 Aug 73 (Fre)**

[Vasoactive substance and the lung] Kitamura S.
Respir Circ (Tokyo) 21:688-700, Aug 73 (125 ref.) (Jap)

[Effect of gangliosides on the sensitivity of embryonic cells to neuropharmacological preparations] Buznikov GA, et al.
Dokl Akad Nauk SSSR 210:1457-60, 1973 (Rus)

[Theory and practice of antenatal care of the fetus] Persianinov LS.
Vestn Akad Med Nauk SSSR 28:61-9, 1973 (27 ref.) (Rus)

SECRETION

On the release of prostaglandin E2 from the rabbit heart following infusion of noradrenaline. Junstad M, et al. **Acta Physiol Scand 87:573-4, Apr 73**

THERAPEUTIC USE

The therapeutic tumult and the ophthalmologist. 35th De Schweinitz lecture. Leopold IH.
Am J Ophthalmol 76:181-92, Aug 73 (41 ref.)

Prostaglandins and asthma. Parker CW, et al.
Ann Intern Med 78:963-5, Jun 73 (30 ref.)

Prostaglandins: therapy for peptic ulcer? Wilson DE.
Ann Intern Med 79:269-70, Aug 73

Effects of combined prostaglandin E1 and aspirin on experimental arterial thrombosis in rabbits. Bousser MG. **Biomedicine [Express] 19:90-3, 20 Mar 73**

Prostaglandins for inducing labor and abortion.
Drug Ther Bull 11:41-3, 25 May 73

Midtrimester abortion using prostaglandin F2alpha, oxytocin, and laminaria. Engel T, et al.
Fertil Steril 24:565-8, Aug 73

"Delayed menstruation" induced by prostaglandin in pregnant patients. Mocsary P, et al.
Lancet 2:683, 22 Sep 73

Hypertension and human renal prostaglandins. Vance VK, et al. **Med Ann DC 42:419-22, Sep 73 (31 ref.)**

Laminaria augmentation of intra-amniotic prostaglandin F2 alpha for the induction of mid-trimester abortion. Brenner WE, et al.
Prostaglandins 3:879-94, Jun 73

Effect of PGA1 on renin and aldosterone in man. Carr AA. **Prostaglandins 3:821-8, May 73**

Termination of early gestation with vaginal prostaglandin F2 alpha tablets. Corlett RC, et al.
Prostaglandins 2:453-64, Dec 72

The use of prostaglandin pessaries prior to vaginal termination. Craft I. **Prostaglandins 3:377-81, Mar 73**

The prospects of PGs in postconceptional therapy. Csapo AI. **Prostaglandins 3:245-89, Mar 73 (46 ref.)**

The efficacy and acceptability of the "prostaglandin impact" in inducing complete abortion during the second week after the missed menstrual period. Csapo AI, et al. **Prostaglandins 3:125-39, Feb 73**

Influence of prostaglandins (Pg) E2 and F2 on the inflammatory process. DiPasquale G, et al.
Prostaglandins 3:741-57, Jun 73

Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al.
Prostaglandins 3:629-48, May 73 (35 ref.)

The influence of PGF2 alpha on experimental arrhythmias. Förster W, et al.
Prostaglandins 3:895-904, Jun 73

Induction of abortion by intra- and extra-amniotic prostaglandin F2 administration. Järvinen PA, et al.
Prostaglandins 3:491-504, Apr 73

Prostaglandin E2: evidence for luteolytic effects. Labhsetwar AP. **Prostaglandins 2:23-31, Jul 72**

Preliminary clinical experience with the antiarrhythmic effect of PGF2 alpha. Mann D, et al.
Prostaglandins 3:905-12, Jun 73

Prostaglandin and eye. Neufeld AH, et al.
Prostaglandins 4:157-75, Aug 73 (60 ref.)

On the mechanism of midtrimester abortions induced by prostaglandin "impact". Saldana L, et al.
Prostaglandins 3:847-58, Jun 73

Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet. Sato T, et al. **Prostaglandins 4:107-13, Jul 73**

Prostaglandin-oxytocin abortion: a clinical trial of intra-amniotic prostaglandin F2alpha in combination with intravenous oxytocin. Seppälä M, et al.
Prostaglandins 2:311-9, Oct 72

Changes in estrogen levels in maternal venous plasma after intra-amniotic infusion of prostaglandin F2 for therapeutic abortion. Shutt DA, et al.
Prostaglandins 4:291-9, Aug 73

Uterine sensitivity to prostaglandins in the pregnant rabbit: a method for testing the effect of previous administration of small doses of PGF2 for short periods. Smith GW, et al.
Prostaglandins 3:525-30, Apr 73

Prostaglandins in otolaryngology. DuCharme DW.
Trans Am Acad Ophthalmol Otolaryngol 77:ori79-81, Mar-Apr 73

Prostaglandins. **W Va Med J 69:182, Jul 73**

[Prostaglandins and the female genitalia] Sureau C.
Ann Med Interne (Paris) 124:347-9, Apr 73 (Fre)

[Induction of labor in hydatidiform moles with prostaglandin F2-alpha] Unbehaun V, et al.
Geburtshilfe Frauenheilkd 33:436-9, Jun 73 (Eng. Abstr.) (Ger)

TOXICITY

Human cutaneous inflammation induced by prostaglandin E1. Sondergaard J, et al.
J Pathol 109:239-43, Mar 73

URINE

Levels of 13,14-dihydro-15-keto-PGF in biological fluids as measured by radioimmunoassay. Levine L, et al.
Prostaglandins 3:785-804, Jun 73

Quantitative vapor-phase analysis of prostaglandin F2 in female human urine. Sweetman BJ, et al.
Prostaglandins 3:385-7, Mar 73

RECEPTORS, HORMONE

Species differences in luteinizing hormone as infered from slope variations in a radioligand receptor assay. Leidenberger F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:61, 1973

Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Leyendecker G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:62, 1973

Interrelationship of two microsomal estrogen receptor molecules. Little M, et al.
Acta Endocrinol [Suppl] (Kbh) 173:67, 1973

In-vitro studies on testosterone and 5alpha-dihydrotestosterone binding in benign prostatic hypertrophy (BPH). Steins P, et al.
Acta Endocrinol [Suppl] (Kbh) 173:69, 1973

Dihydrotestosterone receptor in human mammary cancer. Wagner RK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:65, 1973

Three sites for hormonal control of the pigment cell. McGuire J. **Adv Biol Skin 12:421-45, 1972**

The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells. Szego CM.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)

The gonadotropin receptor of the human corpus luteum. Cole FE, et al.
Am J Obstet Gynecol 117:87-95, 1 Sep 73

Quantitation of radio-ligand binding data using a desk-top calculator in the program mode. Brooks WF Jr, et al. **Anal Biochem 54:464-76, Aug 73**

The functional significance of surface structures on lymphocytes. Wigzell H.
Ann Immunol (Paris) 124:7-15, Feb 73

Insulin receptors. Desbuquois B, et al.
Annu Rev Med 24:233-40, 1973 (56 ref.)

Receptors for glucocorticoids in lung tissue. Toft D, et al. **Arch Biochem Biophys 152:464-9, Aug 73**

Decreased binding of insulin to its receptors in rats with hormone induced insulin resistance. Goldfine ID, et al. **Biochem Biophys Res Commun 53:852-7, 6 Aug 73**

The use of deoxyribonucleic acid-cellulose

APPENDIX

chromatography and isoelectric focusing for the characterization and partial purification of steroid-receptor complexes. Mainwaring WI, et al. **Biochem J** 134:113-27, May 73

Mechanism of action of cortisol in rat liver. Sluyser M. **Biochem J** 130:49P=-50P, Nov 72

Interaction of glucocorticoids with rat liver nuclei. II. Studies on the nature of the cytosol transfer factor and the nuclear acceptor site. Beato M, et al. **Biochemistry** 12:3372-9, 28 Aug 73

Specific estrogen receptors in the lactating mammary gland of the rat. Gardner DG, et al. **Biochemistry** 12:3090-6, 31 Jul 73

Interaction of glucocorticoids with rat liver nuclei. I. Role of the cytosol proteins. Kalimi M, et al. **Biochemistry** 12:3365-71, 28 Aug 73

Specific cytoplasmic glucocorticoid hormone receptors in lactating mammary glands. Shyamala G. **Biochemistry** 12:3085-90, 31 Jul 73

Preparation of inverted plasma membrane vesicles from isolated adipocytes. Bennett V, et al. **Biochim Biophys Acta** 311:362-80, 6 Jul 73

The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes. Yamashita K, et al. **Biochim Biophys Acta** 304:686-92, 28 May 73

Inhibition of 5 -reductase activity of rat prostate by estradiol derivatives. Bonne C, et al. **Biochimie** 55:227-9, 1973

Demonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour. Gardner DG, et al. **Br J Cancer** 27:441-4, Jun 73

Properties of corticosterone-binding macromolecules from rat brain cytosol. Grosser BI, et al. **Brain Res** 57:387-95, 27 Jul 73

Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro. McEwen BS, et al. **Brain Res** 57:373-86, 27 Jul 73

The metabolism and binding of testosterone in androgen-dependent and autonomous transplantable mouse mammary tumors. Bruchovsky N, et al. **Cancer Res** 33:1689-95, Jul 73

Studies on certain cytoplasmic enzymes and specific estrogen receptors in human breast cancer and in nonmalignant diseases of the breast. Hilf R, et al. **Cancer Res** 33:2054-62, Sep 73

Estradiol receptors in benign and malignant disease of the breast. Leung BS, et al. **Clin Chim Acta** 46:69-76, 14 Jun 73

Estrogen receptor in a prolactin secreting pituitary tumor (MtTW5). McGuire WL, et al. **Endocrinology** 93:810-3, Oct 73

Influence of alpha- and beta-subunits on the kinetics of formation and activity of native and hybrid molecules of LH and human chorionic gonadotropin. Reichert LE Jr, et al. **Endocrinology** 93:938-46, Oct 73

Specific effect of estrogens on an interaction between the uterine estradiol receptor and DNA. Andre J, et al. **FEBS Lett** 29:135-40, 15 Jan 73

Correlation between (3H)dexamethasone binding to a rat liver cytosol receptor protein and stimulation of RNA synthesis by glucocorticosteroids. Meulen N van der, et al. **FEBS Lett** 33:184-6, 1 Jul 73

Insulin receptor of liver and fat cell membranes. Cuatrecasas P. **Fed Proc** 32:1838-46, Aug 73

The problem of identifying the glucagon receptor. Rodbell M. **Fed Proc** 32:1854-8, Aug 73

Specific binding of (3H) lysine-vasopressin to pig kidney plasma membranes. Relationship of receptor occupancy to adenylate cyclase activation. Bockaert J, et al. **J Biol Chem** 248:5922-31, 10 Sep 73

Estrogen receptor in a human cell line (MCF-7) from breast carcinoma. Brooks SC, et al. **J Biol Chem** 248:6251-3, 10 Sep 73

Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al. **J Biol Chem** 248:5873-9, 25 Aug 73

Early events in glucocorticoid action. Activation of the steroid receptor and its subsequent specific nuclear binding studied in a cell-free system. Higgins SJ, et al. **J Biol Chem** 248:5866-72, 25 Aug 73

Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture. Hinkle PM, et al. **J Biol Chem** 248:6180-6, 10 Sep 73

Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. Liao S, et al. **J Biol Chem** 248:6154-62, 10 Sep 73

Affinity chromatography and the purification of estrogen receptors. Sica V, et al. **J Biol Chem** 248:6543-58, 25 Sep 73

Characterization of a proposed oxytocin receptor in rat mammary gland. Soloff MS, et al. **J Biol Chem** 248:6471-8, 25 Sep 73

Radioreceptor assay for growth hormone. Tsushima T, et al. **J Clin Endocrinol Metab** 37:334-7, Aug 73

Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells. Lippman ME, et al. **J Clin Invest** 52:1715-25, Jul 73

Androgen dependence of breast cancers. **Lancet** 2:203-4, Jul 73

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG. **Metabolism** 22:1083-8, Aug 73 (44 ref.)

Peptide hormone binding to receptors: a review of direct studies in vitro. Roth J. **Metabolism** 22:1059-73, Aug 73 (150 ref.)

Technical problems with agarose-hormone linkage. Davidson MB, et al. **N Engl J Med** 289:695-6, 27 Sep 73

Spare gonadotrophin receptors in rat testis. Catt KJ, et al. **Nature [New Biol]** 244:219-21, 15 Aug 73

Oestrogenic stimulation of macromolecular synthesis is correlated with nuclear hormone-receptor complex in neonatal rat uterus. Luck IN, et al. **Nature [New Biol]** 245:24-5, 5 Sep 73

Modification of expression of the testicular feminization (Tfm) gene of the mouse by a "controlling element" gene. Ono S, et al. **Nature [New Biol]** 245:92-3, 19 Sep 73

Purification of oestradiol receptors by affinity chromatography. Sica V, et al. **Nature [New Biol]** 244:36-9, 11 Jul 73

Estrogen-receptor interaction. Jensen EV, et al. **Science** 182:126-34, 12 Oct 73 (57 ref.)

Intracellular receptors for 5alpha-dihydrostestosterone in the epididymis of adult rats. Comparison with the androgenic receptors in the ventral prostate and the androgen binding protein (ABP) in the testicular and epididymal fluid. Hansson V, et al. **Steroids** 22:19-33, Jul 73

Progesterone binding in the immature mouse and rat uterus. Philibert D, et al. **Steroids** 22:89-98, Jul 73

[Possible unmasking of noradrenaline receptors by linoleic acid-rich phospholipids in fat cell membranes. II. Adenylate cyclase and phosphodiesterase activities] Counis R. **Biochim Biophys Acta** 306:391-5, 21 Jun 73 (Eng. Abstr.) **(Fre)**

[Current aspects of research on the physiology of the duodenal junction] Bonfils S, et al. **Rev Prat** 23:1879-87, 11 Apr 73 (Eng. Abstr.) **(Fre)**

[Receptor of gonadotropin] Tojyo S, et al. **Clin Endocrinol (Tokyo)** 21:293-7, Mar 73 (20 ref.) **(Jap)**

[Mechanism of action of glucocorticoids] Hepa J, et al. **Pol Tyg Lek** 28:1040-3, 2 Jul 73 (25 ref.) **(Pol)**

DRUG EFFECTS

Interaction of glucocorticoids with rat liver nuclei. II. Studies on the nature of the cytosol transfer factor and the nuclear acceptor site. Beato M, et al. **Biochemistry** 12:3372-9, 28 Aug 73

Interaction of glucocorticoids with rat liver nuclei. I. Role of the cytosol proteins. Kalimi M, et al. **Biochemistry** 12:3365-71, 28 Aug 73

Hypothesis: breast cancer regression under oestrogen therapy. Stoll BA. **Br Med J** 3:446-50, 25 Aug 73

Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary. Anderson JN, et al. **Endocrinology** 93:711-7, Sep 73

Insulin receptor of liver and fat cell membranes. Cuatrecasas P. **Fed Proc** 32:1838-46, Aug 73

Nature of nuclear acceptor sites for glucocorticoid- and estrogen-receptor complexes. Higgins SJ, et al. **J Biol Chem** 248:5873-9, 25 Aug 73

Early events in glucocorticoid action. Activation of the steroid receptor and its subsequent specific nuclear binding studied in a cell-free system. Higgins SJ, et al. **J Biol Chem** 248:5866-72, 25 Aug 73

Mechanisms regulating the concentration and the conformation of progesterone receptor(s) in the uterus. Milgrom E, et al. **J Biol Chem** 248:6366-74, 25 Sep 73

Uptake of androgen analogs by prostate tissue. Kasuya Y, et al. **J Med Chem** 16:832-6, Jul 73

The mode of action and clinical use of spirolactones. Manitius A, et al. **Mater Med Pol** 4:83-8, Apr-Jun 72

APPENDIX

Prostaglandin receptors in the hamster uterus during the estrous cycle. Wakeling AE, et al. Prostaglandins 4:1-8, Jul 73
Insecticide inhibition of 5alpha-dihydrotestosterone binding in the rat ventral prostate. Wakeling AE, et al. Science 181:659-61, 17 Aug 73
Progesterone binding in the immature mouse and rat uterus. Philibert D, et al. Steroids 22:89-98, Jul 73

HORMONES, ECTOPIC Continued

Oat-cell carcinoma of the lung simultaneously producing ACTH and Serotonin. Horai R, et al. J Clin Endocrinol Metab 37: 212-19, Aug 73

[A case of the syndrome of inappropriate secretion of antidiuretic hormone (SIADH) associated with undifferentiated carcinoma of large cell type of the lung]. Kobatake K, et al. Jap Soc Intern Med 62: 368-73, Apr 73 (Jap)

Ectopic production of calcitonni. Whitelaw AG, et al. Lancet 2:443, 25 Aug 73

Ectopic aldosterone production. Todesco S, et al. Lancet 2:443, 25 Aug 73

REVIEW SECTION

ADRENAL CORTEX HORMONES

Factors influencing the penetration of corticosteroids through the epidermis. Polano MK, et al. **Adv Biol Skin** 12:325-38, 1972 (19 ref.)

BIOSYNTHESIS

[Enzyme defects in steroid hormone biosynthesis] Graef V. **Dtsch Med Wochenschr** 98:1299-304, 29 Jun 73 (52 ref.) **(Ger)**

ADRENAL GLAND DISEASES

[Hemorrhages into the adrenals (a review of the foreign literature)] Kalinin AP, et al. **Klin Med (Mosk)** 50:9-15, Nov 72 **(Rus)**

COMPLICATIONS

[Adrenal gland diseases] Takahashi S. **Clin Endocrinol (Tokyo)** 21:577-81, Jun 73 (22 ref.) **(Jap)**

ADRENAL GLANDS

DRUG EFFECTS

Significance of the effects of prostaglandins on renal and adrenal function in man. Fichman M, et al. **Prostaglandins** 3:629-46, May 73 (35 ref.)

METABOLISM

Physical activity and ageing--a survey of Soviet literature. II. The effect of exercise on the various systems of the organism. Gore IY. **Gerontol Clin (Basel)** 14:70-7, 1972 (34 ref.)

PHYSIOPATHOLOGY

Adrenocortical function in malnutrition. **Nutr Rev** 31:127-9, Apr 73 (8 ref.)

[Mineralocorticoids and essential hypertension] Nowaczynski W, et al. **Union Med Can** 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**

ADRENAL MEDULLA

SECRETION

Control of epinephrine synthesis and secretion. Fuller RW. **Fed Proc** 32:1772-81, Jul 73 (232 ref.)

ADRENALECTOMY

[Adrenalectomy in treatment of Cushing's disease] Tolloczko T. **Pol Przegl Chir** 45:1153-60, Aug 73 (20 ref.) **(Pol)**

ADRENOCHROME

Adrenochrome and related compounds. Heacock RA, et al. **Prog Med Chem** 9:275-339, 1972 (436 ref.)

ADRENOGENITAL SYNDROME

ENZYMOLOGY

[Enzyme defects in steroid hormone biosynthesis] Graef V. **Dtsch Med Wochenschr** 98:1299-304, 29 Jun 73 (52 ref.) **(Ger)**

ALDOSTERONE

ANALYSIS

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**

BLOOD

Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S. **Metabolism** 22:1027-32, Aug 73 (42 ref.)

Measurements of renin-angiotensin-aldosterone. Poulsen K. **Pharmacol Rev** 25:249-57, Jun 73 (70 ref.)

PHYSIOLOGY

[Mechanism of action of aldosterone: a review of research in the Department of Molecular Biology, 1968-1972] Trachewsky D. **Union Med Can** 102:857-69, Apr 73 (69 ref.) (Eng. Abstr.) **(Fre)**

ANDROGENS

[Androgen insensitivity syndrome] Boczkowski K. **Pol Tyg Lek** 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

METABOLISM

Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)

SECRETION

[Male hormones] Sarai K. **Clin Endocrinol (Tokyo)** 21:583-6, Jun 73 (24 ref.) **(Jap)**

THERAPEUTIC USE

[Androgens in treatment of acquired bone marrow aplasia] Jędrzejczak W. **Wiad Lek** 26:535-9, 15 Mar 73 (Eng. Abstr.) **(Pol)**

BONE AND BONES

ANALYSIS

The problems of the composition and structure of the mineral components of the hard tissues. Elliott JC. **Clin Orthop** 93:313-45, Jun 73 (185 ref.)

METABOLISM

Bone mineral on the molecular level. Posner AS. **Fed Proc** 32:1933-7, Sep 73 (47 ref.)

TRANSPLANTATION

[Bone transplantation in periodontal surgery. Review

of literature] Bergenholtz A, et al.
Sven Tandlak Tidskr 65:475-87, Sep 72 (75 ref.) **(Swe)**

CALCIUM

Oxalate metabolism. 3. Hagler L, et al.
Am J Clin Nutr 26:1006-10, Sep 73 (21 ref.)

METABOLISM

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)
Calcium and gastrointestinal secretion. Case RM.
Digestion 8:269-88, 1973 (102 ref.)
Calcium and magnesium transport in single cells. Brinley FJ Jr. **Fed Proc** 32:1735-9, Jul 73 (16 ref.)
The role of calcium in insulin secretion.
Nutr Rev 31:122-4, Apr 73 (8 ref.)

CORPUS LUTEUM

CYTOLOGY

Cytology of the corpus luteum. Enders AC.
Biol Reprod 8:158-82, Mar 73 (75 ref.)

PHYSIOLOGY

The role of prostaglandins in luteal regression. McCracken JA, et al.
J Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 ref.)

CORTICOSTERONE

PHARMACODYNAMICS

[SLE and pregnancy--effect of exogenous corticosteroids on urinary excretion of estriol] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref.) **(Jap)**

CORTICOTROPIN

BIOSYNTHESIS

[Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH] Yoshimura F.
Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) **(Jap)**

METABOLISM

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

CORTICOTROPIN RELEASING FACTOR

PHARMACODYNAMICS

[Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH] Yoshimura F.
Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) **(Jap)**

CORTISONE

PHARMACODYNAMICS

Cortisone induction of small bowel sucrase activity.
Nutr Rev 31:158-9, May 73 (4 ref.)

CUSHING'S SYNDROME

SURGERY

[Adrenalectomy in treatment of Cushing's disease] Tolloczko T.
Pol Przegl Chir 45:1153-60, Aug 73 (20 ref.) **(Pol)**

DWARFISM

Ocular manifestations of dwarfism. Rosenthal AR, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:1500-18, Nov-Dec 72 (56 ref.)

ESTRIOL

URINE

[SLE and pregnancy--effect of exogenous corticosteroids on urinary excretion of estriol] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (98 ref.) **(Jap)**

ESTROGENS

Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)

BLOOD

Measurement of steroid hormones using intracellular receptor proteins. Korenman SG.
Metabolism 22:1083-8, Aug 73 (44 ref.)

METABOLISM

Estrogen-receptor interaction. Jensen EV, et al.
Science 182:126-34, 12 Oct 73 (57 ref.)

PHYSIOLOGY

Endocrinology of implantation. McLaren A.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 ref.)

SECRETION

[Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**
[Female hormones and menopause] Mori I, et al.
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref.) **(Jap)**

THERAPEUTIC USE

[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap)**

GLUCOCORTICOIDS

Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)

PHARMACODYNAMICS

[Mechanism of action of glucocorticoids] Hepa J, et al.
Pol Tyg Lek 28:1040-3, 2 Jul 73 (25 ref.) **(Pol)**

GONADOTROPINS

METABOLISM

[Receptor of gonadotropin] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) **(Jap)**

THERAPEUTIC USE

[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap)**

GONADOTROPINS, CHORIONIC

Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)

GONADOTROPINS, PITUITARY

Impact of radioassay techniques on the field of sex hormones. Franchimont P, et al.
Metabolism 22:1003-11, Aug 73 (83 ref.)

PHYSIOLOGY

Nature, role and control of the gonadotrophins. Greep RO. **J Reprod Fertil [Suppl]** 18:1-13, Jul 73 (54 ref.)

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

ANALYSIS

Application of competitive ligand-binding radioassays to the nucleotides. Steiner AL.
Metabolism 22:1139-44, Aug 73 (39 ref.)

HORMONES

ADVERSE EFFECTS

[Skin diseases induced by hormones] Nishiyama S.
Clin Endocrinol (Tokyo) 20:845-9, Oct 72 (11 ref.) **(Jap)**

BLOOD

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev** 25:161-78, Jun 73 (60 ref.)

PHYSIOLOGY

Three sites for hormonal control of the pigment cell. McGuire J. **Adv Biol Skin** 12:421-45, 1972
[Endocrinology of normal pregnancy] Lauritzen C.
Med Klin 68:897-905, Jul 73 **(Ger)**

SECRETION

Hormones and the aetiology of human breast cancer. Hayward J. **Guys Hosp Rep** 121:51-61, 1972 (61 ref.)

TOXICITY

[Problems in the toxicity test of hormones] Omori Y.
Clin Endocrinol (Tokyo) 20:851-5, Oct 72 (12 ref.) **(Jap)**

HORMONES, ECTOPIC

SECRETION

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) **(Ger)**

HYDROCORTISONE

METABOLISM

The impact of radioimmunoassay on our understanding of human adrenal physiology. West CD, et al.
Metabolism 22:995-1002, Aug 73 (36 ref.)

THERAPEUTIC USE

Leukocyte adenyl cyclase and ATPase in asthma: effect of corticosteroid therapy. Coffey RG, et al.
Chest 63:Suppl:2S-3S, Apr 73 (9 ref.)

HYPERPARATHYROIDISM

COMPLICATIONS

Calcium and gastrointestinal secretion. Case RM.
Digestion 8:269-88, 1973 (102 ref.)

DIAGNOSIS

[Primary hyperparathyroidism] Robert M, et al.
Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) **(Fre)**
[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al.
Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) **(Ger)**

HYPERTHYROIDISM

DRUG THERAPY

Iodine-125 in thyrotoxicosis.
Lancet 2:426, 25 Aug 73 (22 ref.)

RADIOTHERAPY

[Late side effects of radioactive iodine therapy in hyperthyroidism] Hara M, et al.
Jap J Clin Radiol 48:527-41, Aug 73 (122 ref.) **(Jap)**

MINERALOCORTICOIDS

[Mineralocorticoids and essential hypertension] Nowaczynski W, et al.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Eng. Abstr.) **(Fre)**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Primary hyperparathyroidism] Robert M, et al.
Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Application of tissue culture to the study of ectopic hormone producing tumors] Shimosato S, et al.
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref.) **(Jap)**

OSTEOGENESIS IMPERFECTA

DRUG THERAPY

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)

OSTEOPOROSIS

DIAGNOSIS

Current methods of in-vivo measurement of osteoporosis. Griffith ER, et al.
Am J Phys Med 52:75-91, Apr 73 (64 ref.)

OVARY

PHYSIOLOGY

Pituitary and ovarian mechanisms in implantation. Bindon BM.
J Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)
The ovarian etiology of human breast cancer. MacMahon B, et al.
Recent Results Cancer Res 39:185-92, 1972 (25 ref.)

OVULATION

Physiological aspects of human ovulation, fertilization and cleavage. Edwards RG.
J Reprod Fertil [Suppl] 18:87-101, Jul 73 (102 ref.)

OXYTOCIN

ANALYSIS

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)

BLOOD

[Oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:227-33, Mar 73 (22 ref.) **(Jap)**

PARATHYROID GLANDS

CYTOLOGY

[Parathyroid gland] Fujita T.
Clin Endocrinol (Tokyo) 21:475-9, May 73 (25 ref.) **(Jap)**

REVIEW SECTION

PHYSIOLOGY

Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)

PARATHYROID HORMONE

BLOOD

Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)
Dietary phosphorus, PTH, and bone resorption.
Nutr Rev 31:124-6, Apr 73 (11 ref.)

PHYSIOLOGY

[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**

PARATHYROID NEOPLASMS

DIAGNOSIS

[Primary hyperparathyroidism] Robert M, et al.
Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) (Eng. Abstr.) **(Fre)**
[Atypical localization of parathyroid adenomas in primary hyperparathyroidism] Leisinger HJ, et al.
Urologe [A] 12:177-82, Jul 73 (48 ref.) (Eng. Abstr.) **(Ger)**

PITUITARY DISEASES

[Diencephalic-pituitary diseases] Takahashi S.
Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) **(Jap)**

PITUITARY GLAND

CYTOLOGY

[Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH] Yoshimura F.
Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) **(Jap)**

PHYSIOLOGY

Pituitary and ovarian mechanisms in implantation. Bindon BM.
J Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)

TRANSPLANTATION

[Transplantation of the hypophysis] Kazachenok VM.
Probl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119 ref.) **(Rus)**

PITUITARY HORMONES

METABOLISM

Peptide hormone binding to receptors: a review of direct studies in vitro. Roth J.
Metabolism 22:1059-73, Aug 73 (150 ref.)

PITUITARY HORMONES, ANTERIOR

[Pituitary lipotropins (LPH)] Chrétien M, et al.
Union Med Can 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) **(Fre)**

PLACENTAL LACTOGEN

Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)

PROGESTATIONAL HORMONES

THERAPEUTIC USE

[Female sex hormones] Nakayama T.
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 **(Jap)**

PROGESTERONE

Hormonal changes in pathological pregnancy. Leusden HA van. **Vitam Horm** 30:281-361, 1972 (561 ref.)

PHYSIOLOGY

Endocrinology of implantation. McLaren A.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 ref.)

SECRETION

[Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**
[Female hormones and menopause] Mori I, et al.
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref.) **(Jap)**

PROLACTIN

The clinical endocrinology of prolactin. Turkington RW. **Adv Intern Med** 18:363-87, 1972 (97 ref.)

BLOOD

[Prolactin] Kato Y, et al.
Clin Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref.) **(Jap)**

PUBERTY

[Female hormones and puberty] Hiroi M.
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**

RENIN

BLOOD

Application of radioimmunoassay to the renin-angiotensin system and to aldosterone. Ulick S.
Metabolism 22:1027-32, Aug 73 (42 ref.)
Measurements of renin-angiotensin-aldosterone. Poulsen K. **Pharmacol Rev** 25:249-57, Jun 73 (70 ref.)

PHYSIOLOGY

[Some new aspects of the renin-angiotensin system] Ganten D, et al.
Union Med Can 102:775-86, Apr 73 (148 ref.) (Eng. Abstr.) **(Fre)**

RICKETS

ETIOLOGY

Oncogenous rickets: possible elaboration by a tumor of a humoral substance inhibiting tubular reabsorption of phosphate. Harrison HE.
Pediatrics 52:432-4, Sep 73 (8 ref.)

SEX CHROMATIN

ANALYSIS

[Ultrastructure and development of apyrene and oligopyrene spermatozoa] Daniiova LV.
Izv Akad Nauk SSSR [Biol] 4:580-7, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

SEX CHROMOSOMES

[Autosomal and sex-linked heredity] Boczkowski K.
Ginekol Pol 43:501-6, Apr 72 (7 ref.) (Eng. Abstr.) **(Pol)**

SEX DETERMINATION

[The sexual primordium (gonoblast), its origin and evolution] Semenova-Tian-Shanskaia, et al.
Arkh Anat Gistol Embriol 63:29-48, Aug 72 (56 ref.) (Eng. Abstr.) **(Rus)**

SEX HORMONES

ANTAGONISTS & INHIBITORS

Inhibitors of sex hormones: development of

experimental models. Frost P, et al.
Adv Biol Skin 12:403-20, 1972 (49 ref.)

SOMATOTROPIN

A survey of growth hormone secretion and action. Merimee TJ, et al.
Metabolism 22:1235-51, Sep 73 (63 ref.)

BLOOD

Application of radioreceptor assay to circulating insulin, growth hormone, and to their tissue receptors in animals and man. Gorden P, et al.
Pharmacol Rev 25:179-87, Jun 73 (39 ref.)

PHYSIOLOGY

The physiology of growth hormone regulation: pre- and postimmunoassay eras. Reichlin S.
Metabolism 22:987-93, Aug 73 (57 ref.)

SECRETION

[Anomaly of growth hormone secretion and mental disorders] Takahashi K.
Clin Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) **(Jap)**

STEROIDS

METABOLISM

Biotransformation of steroids by the skin. Berliner DL.
Adv Biol Skin 12:357-65, 1972 (36 ref.)

PHARMACODYNAMICS

Current concepts of the action of androgenic steroids on erythropoiesis. Jepson JH, et al.
J Pediatr 83:703-8, Oct 73 (49 ref.)

TESTICULAR FEMINIZATION

[Androgen insensitivity syndrome] Boczkowski K.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) **(Pol)**

TESTIS

ENZYMOLOGY

Testicular enzymes and spermatogenesis. Blackshaw AW. **J Reprod Fertil [Suppl]** 18:55-64, Jul 73 (65 ref.)

TESTOSTERONE

BLOOD

Testosterone in plasma. A physiopathological study. Vermeulen A.
Verh K Vlaam Acad Geneeskd Belg 35:95-180, 1973 (104 ref.)

METABOLISM

Testosterone metabolism and androgenic effect. Gomez EC, et al. **Adv Biol Skin** 12:367-79, 1972 (38 ref.)

PHARMACODYNAMICS

The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster. Adachi K, et al. **Adv Biol Skin** 12:381-401, 1972 (26 ref.)

THYROCALCITONIN

BLOOD

Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)

PHYSIOLOGY

Calcitonin in metabolic disorders. Haymovits A, et al.
Adv Metab Disord 60:177-212, 1972 (22 ref.)

THERAPEUTIC USE

New approaches to treatment of osteogenesis imperfecta. Castells S.
Clin Orthop 93:239-49, Jun 73 (78 ref.)

THYROID DISEASES

COMPLICATIONS

[Thyroid gland and mental disorder] Suematsu H.
Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.) **(Jap)**

THYROID GLAND

METABOLISM

Radioassay and the thyroid gland. Robbins J.
Metabolism 22:1021-6, Aug 73 (42 ref.)

THYROID GLAND FUNCTION TESTS

Thyroid function tests. Sterling K.
Adv Intern Med 18:345-62, 1972 (106 ref.)
[Thyroid gland function tests] Pfannenstiel P.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) **(Ger)**

THYROTROPIN

BLOOD

The immunoassay of thyroid-stimulating hormone and its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)

THYROXINE

BLOOD

[Determination of serum thyroxine] Kinoshita F, et al.
Jap J Clin Radiol 18:305-14, May 73 (19 ref.) **(Jap)**

VASOPRESSIN

[Determination of antidiuretic hormone: a major problem in the study of physiopathology] Nawar T, et al.
Union Med Can 102:912-7, Apr 73 (80 ref.) (Eng. Abstr.) **(Fre)**

ANALYSIS

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)

PHARMACODYNAMICS

Cardiovascular actions of vasopressin. Nakano J.
Jap Circ J 37:363-81, Apr 73 (319 ref.)

SECRETION

[Ectopic paraneoplastic endocrinopathies associated with water-electrolyte balance disorders] Hayduk K, et al.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Eng. Abstr.) **(Ger)**

VITAMIN D

[Advances in endocrinology. Hormonal regulation of the synthesis of biologically active vitamin D metabolites. (Experimentation and clinical problems)] Sliwowski A.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**

BLOOD

Radioassay of the calciotropic hormones. Arnaud CD.
Metabolism 22:1013-20, Aug 73 (36 ref.)

METABOLISM

Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the sub-headings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

ASCORBIC ACID

A chemical method for the determination of 2-hydroxyoestrone in human urine. Gelbke HP, et al. Acta Endocrinol [Suppl] (Kbh) 173:110, 1973
ASCORBIC ACID/ CHROMATOGRAPHY, PAPER/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ METHODS/ PHENAZINES/ PREGNANCY

AUTOANALYSIS

Modification of column chromatography in T4 analysis. Nino PE, et al. Clin Biochem 6:106-16, Jun 73
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ INDICATORS AND REAGENTS/ ION EXCHANGE RESINS, isolation & purification/ METHODS/ *THYROXINE, blood/ TIME FACTORS

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. Clin Chem 19:838-44, Aug 73
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al. Clin Chim Acta 46:321-32, 14 Jul 73
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIVE STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al. Clin Chim Acta 45:443-7, 30 May 73
ARSENIC/ AUTOANALYSIS/ BROMINE/ CERIUM/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES/ METHODS/ THYROID DISEASES, blood/ *THYRONINE, blood

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. Pharmacol Rev 25:161-78, Jun 73 (60 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ COMPUTERS/ CORTICOTROPIN/ CROSS REACTIONS/ ELECTROPHORESIS, STARCH GEL/ GASTROINTESTINAL HORMONES, blood/ GUINEA PIGS, immunology/ *HORMONES, blood/ HUMAN/ IMMUNE SERUMS/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PARATHYROID HORMONE/ *PEPTIDES, blood/ PITUITARY HORMONES/ PROINSULIN/ *RADIOIMMUNOASSAY/ REVIEW/ SWINE/ TIME FACTORS

AUTORADIOGRAPHY

A source of error in the rat diaphragm assay of insulin. Hollands TR, et al. Anal Biochem 54:413-8, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ DIAPHRAGM, drug effects/ DIAPHRAGM, metabolism/ GLUCOSE, metabolism/ *INSULIN, analysis/ INSULIN, pharmacodynamics/ MALE/ METHODS/ *MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ RATS

Determination triiodothyronine-the question of formation of esters of iodothyronine. Nauman A, et al. Mater Med Pol 4:16-8, Jan-Mar 72
AUTORADIOGRAPHY/ CHROMATOGRAPHY, PAPER/ ESTERS, analysis/ HUMAN/ IODINE ISOTOPES/ METHODS/ SERUM ALBUMIN, analysis/ TEMPERATURE/ *TRIIODOTHYRONINE, blood

BIOLOGICAL ASSAY

A workable, simple biological screening procedure for the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al. Acta Endocrinol [Suppl] (Kbh) 173:63, 1973
ANIMAL EXPERIMENTS/ ATROPHY/ *BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, antagonists & inhibitors/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ METHODS/ ORGAN WEIGHT/ RATS/ SPERMATOGENESIS/ TESTIS, growth & development

A source of error in the rat diaphragm assay of insulin. Hollands TR, et al. Anal Biochem 54:413-8, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ DIAPHRAGM, drug effects/ DIAPHRAGM, metabolism/ GLUCOSE, metabolism/ *INSULIN, analysis/ INSULIN, pharmacodynamics/ MALE/ METHODS/ *MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ RATS

A novel procedure for the purification of bovine somatomedin. Liberti JP. Can J Biochem 51:1113-9, Jul 73
ADSORPTION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CARTILAGE/

CARTILAGE, drug effects/ CARTILAGE, metabolism/ CATTLE/ CHICKENS/ COLD/ DIALYSIS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ MALE/ METHODS/ RATS/ RIBS/ SODIUM/ SODIUM CHLORIDE/ *SOMATOMEDIN, blood/ SOMATOMEDIN, isolation & purification/ SOMATOMEDIN, pharmacodynamics/ SULFATES/ SULFATES, metabolism/ SULFUR ISOTOPES

Radioreceptor assay for growth hormone. Tsushima T, et al. **J Clin Endocrinol Metab** 37:334-7, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CELL MEMBRANE/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUCKS/ HUMAN/ IODINE ISOTOPES/ ISOTOPE LABELING/ LIVER/ METHODS/ MONKEYS/ PREGNANCY/ PROLACTIN/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, HORMONE/ SHEEP/ *SOMATOTROPIN, blood/ SWINE/ TURTLES

Methodological refinements in the redox bioassay for adrenocorticotrophin. Alaghband-Zadeh J, et al. **J Endocrinol** 58:xix, Jul 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ *CORTICOTROPIN, analysis/ DENSITOMETRY/ IN VITRO/ METHODS/ OXIDATION-REDUCTION/ STAINS AND STAINING

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)
AMINOPEPTIDASES, blood/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ ION EXCHANGE/ METHODS/ MOLECULAR WEIGHT/ OXYTOCIN/ *OXYTOCIN, analysis/ OXYTOCIN, urine/ *RADIOIMMUNOASSAY/ RATS/ REVIEW/ *VASOPRESSIN, analysis/ VASOPRESSIN, blood/ VASOPRESSIN, urine

Determination of the distribution of luteinizing hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay. Firth JA, et al. **J Endocrinol** 58:347-8, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ FSH, analysis/ *GONADOTROPINS, PITUITARY, analysis/ IN VITRO/ *LH, analysis/ MALE/ MEIOSIS, drug effects/ METHODS/ OVUM, drug effects/ *PITUITARY GLAND, analysis/ SEX FACTORS/ SHARKS/ STIMULATION, CHEMICAL/ XENOPUS

A new bioassay for luteinizing hormone. Rees LH, et al. **J Endocrinol** 58:18, Jul 73
*BIOLOGICAL ASSAY/ CULTURE MEDIA/ DENSITOMETRY/ FEMALE/ *LH, analysis/ METHODS/ OVARY, metabolism/ OVULATION/ OXIDATION-REDUCTION/ RATS

Instrumentation for the maintenance of an open-loop condition in the body-fluid volume-control system of small laboratory animals and for the automatic recording of urine flow and conductivity during antidiuretic-hormone bioassay. Merletti R, et al. **Med Biol Eng** 11:480-9, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *BODY FLUIDS/ DOGS/ ELECTRIC CONDUCTIVITY/ ELECTRONICS/ HUMAN/ METHODS/ RATS/ TEMPERATURE/ *URINE/ *VASOPRESSIN, analysis/ WATER-ELECTROLYTE BALANCE

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al. **Prostaglandins** 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analysis/ MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RATS/ ULTRAVIOLET RAYS

Preparation of prostaglandins A2, E2 and 11-epi-E2 from their 15 acetates methyl esters using an endogenous enzyme system present in Plexaura homomalla (esper). Prince A, et al. **Prostaglandins** 3:531-5, Apr 73
ACETATES/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ COELENTERATA, enzymology/ COELENTERATA, metabolism/ ESTERS/ GELS/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ METHYLATION/ *PROSTAGLANDINS, isolation & purification/ SILICONES

[Pituitary lipotropins (LPH)] Chrétien M, et al. **Union Med Can** 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) (Fre)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD COAGULATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ HYPOCALCEMIA, physiopathology/ LIPIDS, biosynthesis/ LIPOTROPIN, isolation & purification/ LIPOTROPIN, physiology/ LIPOTROPIN, urine/ METHODS/ *PITUITARY HORMONES, ANTERIOR/ RADIOIMMUNOASSAY/ REVIEW/ SHEEP/ SWINE

[Determination of antidiuretic hormone: a major problem in the study of physiopathology] Nawar T, et al. **Union Med Can** 102:912-7, Apr 73 (80 ref.) (Eng. Abstr.) (Fre)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *VASOPRESSIN/ VASOPRESSIN, blood/ VASOPRESSIN, urine

[Radioimmunoassay for oxytocin] Iwasaki H. **Folia Endocrinol Jap** 49:580-91, 20 Mar 73 (Eng. Abstr.) (Jap)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *OXYTOCIN, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

[Radioimmunoassay of estrogens] Shoda T. **Folia Endocrinol Jap** 49:1011-24, 20 Jul 73 (Eng. Abstr.) (Jap)
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ CARRIER PROTEINS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ METHODS/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TESTS/ PUERPERIUM/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ TRITIUM

CHEMISTRY

Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CYCLOPENTANE/ DEUTERIUM/ HYDROLYSIS/ ISOTOPE LABELING/ KETONES/ KIDNEY, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHINES/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, isolation & purification/ SWINE

The measurement of serum thyroxine by competitive protein binding analysis. Barbadoro S. **Can J Med Technol** 35:5-7 passim, Aug 73
BINDING, COMPETITIVE/ CHEMISTRY/

HUMAN/ IODINE ISOTOPES/ METHODS/ *PROTEIN BINDING/ TECHNOLOGY, MEDICAL/ *THYROXINE, blood

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. **Clin Chem** 19:838-44, Aug 73
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

Complete analysis of levodopa capsules and tablets by GLC. Chang BL, et al. **J Pharm Sci** 62:1337-40, Aug 73
AMINO ACIDS, analysis/ CAPSULES, analysis/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ *DOPA, analysis/ DRUG STABILITY/ METHODS/ METHYLDOPA, analysis/ SILICA/ TABLETS, analysis/ TIME FACTORS

[Pituitary lipotropins (LPH)] Chrétien M, et al. **Union Med Can** 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) **(Fre)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD COAGULATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ HYPOCALCEMIA, physiopathology/ LIPIDS, biosynthesis/ LIPOTROPIN, isolation & purification/ LIPOTROPIN, physiology/ LIPOTROPIN, urine/ METHODS/ *PITUITARY HORMONES, ANTERIOR/ RADIOIMMUNOASSAY/ REVIEW/ SHEEP/ SWINE

CHROMATOGRAPHY

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ ESTRADIOL, physiology/ *ESTRONE, blood/ ESTRONE, physiology/ *ESTRUS/ FEMALE/ METHODS/ OVULATION/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RADIOIMMUNOASSAY/ TRITIUM

Lipolytic action of porcine TSH caused by lipotropin contamination? Weisweiler P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:106, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *LIPID MOBILIZATION, drug effects/ LIPOTROPIN, isolation & purification/ LIPOTROPIN, pharmacodynamics/ METHODS/ *PITUITARY HORMONES, ANTERIOR, pharmacodynamics/ RABBITS/ SWINE/ THYROTROPIN, isolation & purification/ *THYROTROPIN, pharmacodynamics

Measurement of urinary aldosterone by a simplified radioimmunoassay procedure. Drewes PA, et al. **Clin Biochem** 6:88-97, Jun 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DISPOSABLE EQUIPMENT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SILICA/ TIME FACTORS/ TRITIUM

Determination of dienestrol in pharmaceuticals. Graham JH, et al. **J Assoc Off Anal Chem** 55:190-3, Jan 72
ALKENES, analysis/ CHROMATOGRAPHY/ *ESTROGENS, analysis/ EVALUATION STUDIES/ ISOMERISM/ METHODS/ OINTMENTS, analysis/ *PHENOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TABLETS, analysis

Extraction of prostaglandins E1, E2 and E3 from human seminal plasma. Srivastava KC, et al. **Lipids** 8:431-3, Jul 73
ACETIC ACIDS/ BENZENE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ EVALUATION STUDIES/ HUMAN/ MALE/ METHODS/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, isolation & purification/ *SEMEN, analysis/ SILVER NITRATE/ SOLUBILITY/ TIME FACTORS

Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al. **Metabolism** 22:1129-37, Aug 73 (41 ref.)
ANIMAL EXPERIMENTS/ BLOOD COAGULATION/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ INTRAOCULAR PRESSURE/ KIDNEY, physiopathology/ LABOR/ METHODS/ ORGAN CULTURE/ PREGNANCY/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ SHEEP

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al. **Prostaglandins** 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analysis/ MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RATS/ ULTRAVIOLET RAYS

Preparation of prostaglandins A2, E2 and 11-epi-E2 from their 15 acetates methyl esters using an endogenous enzyme system present in Plexaura homomalla (esper). Prince A, et al. **Prostaglandins** 3:531-5, Apr 73
ACETATES/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ COELENTERATA, enzymology/ COELENTERATA, metabolism/ ESTERS/ GELS/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ METHYLATION/ *PROSTAGLANDINS, isolation & purification/ SILICONES

Quantitative vapor-phase analysis of prostaglandin F2 in female human urine. Sweetman BJ, et al. **Prostaglandins** 3:385-7, Mar 73
CHROMATOGRAPHY/ COMPUTERS/ FEMALE/ HUMAN/ METHODS/ PROSTAGLANDINS, isolation & purification/ *PROSTAGLANDINS, urine/ TRITIUM

[Extraction and concentration of human plasma calcitonin using coupled antibodies on a solid support] Moukhtar MS, et al. **C R Acad Sci [D] (Paris)** 276:3445-8, 25 Jun 73 **(Fre)**
ANTIBODIES/ CHROMATOGRAPHY/ HUMAN/ IMMUNOGLOBULINS/ METHODS/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ THYROCALCITONIN, isolation & purification

[Pituitary lipotropins (LPH)] Chrétien M, et al. **Union Med Can** 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) **(Fre)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD COAGULATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ HYPOCALCEMIA, physiopathology/ LIPIDS, biosynthesis/ LIPOTROPIN, isolation & purification/ LIPOTROPIN, physiology/ LIPOTROPIN, urine/ METHODS/ *PITUITARY HORMONES, ANTERIOR/ RADIOIMMUNOASSAY/ REVIEW/ SHEEP/ SWINE

[Determination of free and bound insulin as well as of maximum serum insulin capacity in insulin-requiring diabetic patients] Löffler G, et al. **Verh Dtsch Ges Inn Med** 78:1269-72, 1972 **(Ger)**
CHROMATOGRAPHY/ DIABETES MELLITUS,

diagnosis/ HUMAN/ *INSULIN, analysis/ INSULIN, blood/ METHODS

[Practical and clinical experience with a simple technic for the determination of total urinary estrogens during prenatal care] Barenyi W, et al. **Z Geburtshilfe Perinatol** 177:210-4, Jun 73 (Eng. Abstr.) (Ger)
CHROMATOGRAPHY/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ *PRENATAL CARE

[Hydroxylation of progesterone and pregnenolone in the adrenal mitochondria of swine] Afinogenova SA, et al. **Probl Endokrinol (Mosk)** 19:66-70, May-Jun 73 (Eng. Abstr.) (Rus)
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DEHYDROEPIANDROSTERONE, analysis/ ENGLISH ABSTRACT/ 11-HYDROXYCORTICOSTEROIDS, analysis/ HYDROXYLATION/ HYDROXYPREGNENOLONE, analysis/ HYDROXYPROGESTERONE, analysis/ METHODS/ *MITOCHONDRIA, metabolism/ PREGNENOLONE, analysis/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ SWINE, metabolism

INSTRUMENTATION

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al. **Prostaglandins** 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analysis/ MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RATS/ ULTRAVIOLET RAYS

CHROMATOGRAPHY, DEAE-CELLULOSE

Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al. **Acta Endocrinol (Kbh)** 73:483-8, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ *GOITER, EXOPHTHALMIC, blood/ HEMAGGLUTINATION TESTS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ MICE/ MICROSOMES, immunology/ *THYROGLOBULIN, blood/ THYROID GLAND, immunology

CHROMATOGRAPHY, GAS

Gas chromatographic and mass spectrometric studies on oestrogens in bile. I. Pregnant women. Adlercreutz H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Jul 73
ADULT/ *BILE, analysis/ BILE DUCTS/ CHROMATOGRAPHY, GAS/ DUODENUM/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ GALLBLADDER/ HUMAN/ INTUBATION, GASTROINTESTINAL/ 17-KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ STEROLS, analysis

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:50, 1973
CHROMATOGRAPHY, GAS/ *ESTRIOL, metabolism/ *ESTRIOL, urine/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, urine/ LIVER, metabolism/ METHODS/ PREGNANCY

Comparative determination of urinary testosterone glucuronide either by gas phase chromatography or by competitive protein binding analysis. Littmann KP, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:111, 1973
BINDING, COMPETITIVE/ CHROMATOGRAPHY, GAS/ GLUCURONATES, urine/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LEYDIG CELLS/ MALE/ METHODS/ *TESTOSTERONE, urine

Methods for quantitative analysis of PGF2, PGE2, 9, 11-dihydroxy-15-keto-prost-5-enoic acid and 9, 11, 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CYCLOPENTANE/ DEUTERIUM/ HYDROLYSIS/ ISOTOPE LABELING/ KETONES/ KIDNEY, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHINES/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, isolation & purification/ SWINE

A gas chromatography technique for rapid determination of urinary estriol during pregnancy. Adessi G, et al. **Clin Chim Acta** 45:369-74, 30 May 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ GLUCOSE/ GLUCURONIDASE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ SNAILS, enzymology/ TIME FACTORS

Radioimmunoassay of oestriol in pregnancy plasma. Wilson GR. **Clin Chim Acta** 46:297-304, 14 Jul 73
ALCOHOL, METHYL/ AMMONIUM SULFATE/ CATTLE/ CHROMATOGRAPHY, GAS/ ESTRADIOL/ *ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, blood/ ESTROGENS/ ETHYL ETHER/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHANE/ METHODS/ PRECIPITATION/ *PREGNANCY/ PROTEINS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM/ URONIC ACIDS

Heptafluorobutylation of catecholamines and its application to gas-liquid chromatographic analysis by electron capture detector. Sakauchi N, et al. **Endocrinol Jap** 19:589-92, Dec 72
*CATECHOLAMINES, analysis/ CHROMATOGRAPHY, GAS/ ELECTRONICS/ INDICATORS AND REAGENTS/ METHODS

Electron capture gas chromatographic determination of melengestrol acetate in animal feed supplements. Davis RA, et al. **J Assoc Off Anal Chem** 55:103-9, Jan 72
*ANIMAL FEED, analysis/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FOOD ADDITIVES, analysis/ MELENGESTROL, analysis/ METHODS/ *PREGNADIENES, analysis/ *PROGESTATIONAL HORMONES, analysis

Gas-liquid chromatography of keto- and hydroxyandrostanes. Hiscoe A, et al. **J Chromatogr** 81:144-9, 27 Jun 73
ADSORPTION/ *ANDROSTANES, analysis/ *CHROMATOGRAPHY, GAS/ CYCLOSTEROIDS, analysis/ ETHERS, analysis/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ METHODS/ MOLECULAR CONFORMATION/ POLAROGRAPHY/ SOLVENTS/ STRUCTURE-ACTIVITY RELATIONSHIP

Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H. **J Chromatogr** 82:127-36, 18 Jul 73
CATECHOL, urine/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHROMATOGRAPHY, GAS/

*CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ DOPA, urine/ EPINEPHRINE, urine/ FOLLOW-UP STUDIES/ GANGLIONEUROMA, diagnosis/ HUMAN/ MELANOMA, diagnosis/ METHODS/ *NEOPLASMS, NERVOUS TISSUE, diagnosis/ NEOPLASMS, VASCULAR TISSUE, urine/ NEUROBLASTOMA, diagnosis/ NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, diagnosis

Complete analysis of levodopa capsules and tablets by GLC. Chang BL, et al. **J Pharm Sci** 62:1337-40, Aug 73
AMINO ACIDS, analysis/ CAPSULES, analysis/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ *DOPA, analysis/ DRUG STABILITY/ METHODS/ METHYLDOPA, analysis/ SILICA/ TABLETS, analysis/ TIME FACTORS

Gas chromatographic determination of nanogram amounts of prostaglandins E and F. Jouvenaz GH, et al. **Prostaglandins** 3:175-87, Feb 73
AMNIOTIC FLUID, analysis/ BROMINE/ CHROMATOGRAPHY, GAS/ ESTERS/ FEMALE/ FLUOROACETATES/ GEL FILTRATION/ HUMAN/ INTESTINE, SMALL, analysis/ LABOR/ LIVER, analysis/ LUNG, analysis/ METHODS/ METHYLATION/ *PROSTAGLANDINS, analysis/ RATS/ SKIN, analysis/ STOMACH, analysis

Gas chromatographic determination of E prostaglandins in human amniotic fluid. Keirse MJ, et al. **Prostaglandins** 4:263-7, Aug 73
*AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, GAS/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

[Determination of androsterone sulfate in water solution by gas chromatography] Noel-Dulieu M. **Ann Biol Clin (Paris)** 31:335-40, 1973 (Eng. Abstr.) **(Fre)**
ALCOHOL, ETHYL/ *ANDROSTERONE, analysis/ CHROMATOGRAPHY, GAS/ ENGLISH ABSTRACT/ METHODS/ SOLUTIONS/ SULFATES

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry] Desgres J, et al.
Clin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**
*ANDROSTANES, urine/ ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, isolation & purification/ MASS SPECTRUM ANALYSIS/ METHODS/ PREGNANEDIOL, urine/ *PREGNANES, urine/ PREGNANETRIOL, urine/ SNAILS/ SNAILS, enzymology/ STEREOISOMERS/ STEROIDS, isolation & purification/ *STEROLS, urine/ TRITIUM

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

CHROMATOGRAPHY, ION EXCHANGE

Correlative insulin and glucagon secretion of the perfused rat pancreas following pituitary peptides. Fussgänger RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ GEL FILTRATION/ GLUCAGON, analysis/ *GLUCAGON, secretion/ INSULIN, analysis/ *INSULIN, secretion/ METHODS/ PANCREAS, drug effects/ *PANCREAS, secretion/ PANCREATIC EXTRACTS/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

An improved method for the assay of dopa. Johnson JC, et al. **Anal Biochem** 54:129-36, Jul 73
BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *DOPA, analysis/ EPINEPHRINE, analysis/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS/ ULTRAVIOLET RAYS

Modification of column chromatography in T4 analysis. Nino PE, et al. **Clin Biochem** 6:106-16, Jun 73
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ INDICATORS AND REAGENTS/ ION EXCHANGE RESINS, isolation & purification/ METHODS/ *THYROXINE, blood/ TIME FACTORS

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIVE STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al.
Clin Chim Acta 45:443-7, 30 May 73
ARSENIC/ AUTOANALYSIS/ BROMINE/ CERIUM/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES/ METHODS/ THYROID DISEASES, blood/ *THYRONINE, blood

Development and clinical application of a new method for the radioimmunoassay of arginine vasopressin in human plasma. Robertson GL, et al.
J Clin Invest 52:2340-52, Sep 73
ACETONE/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ARGININE, blood/ BLOOD PRESERVATION/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ DIABETES INSIPIDUS, blood/ DIURESIS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ LYSINE/ METHODS/ OSMOLAR CONCENTRATION/ OXYTOCIN/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ *RADIOIMMUNOASSAY/ TRIMETHOPRIM, pharmacodynamics/ URINE, analysis/ *VASOPRESSIN, blood/ VASOTOCIN

[Fluroimetric determination of sub-micromolar amounts of DOPA in plasma] Geissbuehler F.
Clin Chim Acta 45:423-7, 30 May 73 **(Fre)**
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/

HYDROGEN-ION CONCENTRATION/ METHODS/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ PARKINSONISM, blood

[Rapid determination of iodoamino acid iodine in blood serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) (Ger)
CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DIIODOTYROSINE, blood/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *IODINE, blood/ IODINE, isolation & purification/ IODINE ISOTOPES/ IODOTYROSINE, blood/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID HORMONES, blood/ THYROID HORMONES, isolation & purification/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

STANDARDS

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIVE STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

CHROMATOGRAPHY, PAPER

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
ACETATES, metabolism/ *ADENOMA, metabolism/ *ADRENAL GLAND NEOPLASMS, metabolism/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ *CARCINOMA, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, biosynthesis/ *ESTRIOL, biosynthesis/ ESTROGENS, urine/ *ESTRONE, biosynthesis/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ IN VITRO/ 17-KETOSTEROIDS, urine/ METHODS/ MIDDLE AGE/ TRITIUM

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. **Acta Endocrinol (Kbh) 73:499-508, Jul 73**
ADULT/ *ALDOSTERONE, blood/ ALDOSTERONE, diagnostic use/ CHROMATOGRAPHY, PAPER/ *CORPUS LUTEUM, physiology/ CROSS REACTIONS/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ METHODS/ *OVULATION/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *RENIN, blood/ TIME FACTORS/ TRITIUM

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973
ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLANDS/ *ANDROSTENES, blood/ ANDROSTENES, metabolism/ CHROMATOGRAPHY, PAPER/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HIRSUTISM, blood/ HUMAN/ HYPERPLASIA, blood/ HYPOGONADISM, blood/ MALE/ METHODS/ PROTEIN BINDING/ TESTOSTERONE, blood/ VIRILISM, blood

A chemical method for the determination of 2-hydroxyoestrone in human urine. Gelbke HP, et al.
Acta Endocrinol [Suppl] (Kbh) 173:110, 1973
ASCORBIC ACID/ CHROMATOGRAPHY, PAPER/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ METHODS/ PHENAZINES/ PREGNANCY

Measurement of urinary aldosterone by a simplified radioimmunoassay procedure. Drewes PA, et al.
Clin Biochem 6:88-97, Jun 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DISPOSABLE EQUIPMENT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SILICA/ TIME FACTORS/ TRITIUM

Determination triiodothyronine-the question of formation of esters of iodothyronine. Nauman A, et al.
Mater Med Pol 4:16-8, Jan-Mar 72
AUTORADIOGRAPHY/ CHROMATOGRAPHY, PAPER/ ESTERS, analysis/ HUMAN/ IODINE ISOTOPES/ METHODS/ SERUM ALBUMIN, analysis/ TEMPERATURE/ *TRIIODOTHYRONINE, blood

[Oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:227-33, Mar 73 (22 ref.) (Jap)
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX, isolation & purification/ CHROMATOGRAPHY, PAPER/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ *OXYTOCIN, blood/ OXYTOCIN, isolation & purification/ *RADIOIMMUNOASSAY/ REVIEW

[Urinary 6 -hydroxycortisol. I. Methods of determining urinary 6 -hydroxycortisol and its normal values] Yamada S.
Folia Endocrinol Jap 49:788-98, 20 May 73 (Eng. Abstr.) (Jap)
ADULT/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ MALE/ METHODS/ MIDDLE AGE

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo 9:522-9, 1972 (54 ref.) (Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

CHROMATOGRAPHY, THIN LAYER

Specific radioimmunological determination without chromatography of plasma oestradiol in males. Doerr P, et al. **Acta Endocrinol (Kbh) 73:314-20, Jun 73**
CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

In vitro sterol and steroid biogenesis by a feminizing adrenocortical carcinoma. Mathur RS, et al.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
ACETATES, metabolism/ *ADENOMA, metabolism/ *ADRENAL GLAND NEOPLASMS, metabolism/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ *CARCINOMA, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, biosynthesis/ *ESTRIOL, biosynthesis/ ESTROGENS, urine/ *ESTRONE, biosynthesis/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ IN VITRO/ 17-KETOSTEROIDS, urine/ METHODS/ MIDDLE AGE/ TRITIUM

Specific radioimmunologic determination of plasma oestradiol in males without chromatography. Doerr P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:108, 1973
CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/ *IMMUNE SERUMS/ MALE/ METHODS/ PRECIPITIN TESTS/ RADIOIMMUNOASSAY

Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H. **J Chromatogr** 82:127-36, 18 Jul 73
CATECHOL, urine/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ DOPA, urine/ EPINEPHRINE, urine/ FOLLOW-UP STUDIES/ GANGLIONEUROMA, diagnosis/ HUMAN/ MELANOMA, diagnosis/ METHODS/ *NEOPLASMS, NERVOUS TISSUE, diagnosis/ NEOPLASMS, VASCULAR TISSUE, urine/ NEUROBLASTOMA, diagnosis/ NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, diagnosis

Extraction of prostaglandins E1, E2 and E3 from human seminal plasma. Srivastava KC, et al. **Lipids** 8:431-3, Jul 73
ACETIC ACIDS/ BENZENE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ EVALUATION STUDIES/ HUMAN/ MALE/ METHODS/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, isolation & purification/ *SEMEN, analysis/ SILVER NITRATE/ SOLUBILITY/ TIME FACTORS

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al. **Prostaglandins** 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analysis/ MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RATS/ ULTRAVIOLET RAYS

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids** 22:47-61, Jul 73
ADULT/ *ANDROGENS, blood/ ANDROSTENEDIONE, blood/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, blood/ *ESTRONE, blood/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *17-KETOSTEROIDS, blood/ LH, blood/ *MENSTRUATION/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SHEEP, immunology/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

Radioimmunoassay of plasma testosterone] Louvet JP, et al.
Ann Biol Clin (Paris) 31:305-11, 1973 (Eng. Abstr.) **(Fre)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TRITIUM

Fluroimetric determination of sub-micromolar amounts of DOPA in plasma] Geissbuehler F.
Clin Chim Acta 45:423-7, 30 May 73 **(Fre)**
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ PARKINSONISM, blood

Triiodothyronine] Sakurada T, et al.
Clin Endocrinol (Tokyo) 21:235-43, Mar 73 **(Jap)**
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ HUMAN/ IODINE ISOTOPES/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

[Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Aoki T.
Folia Endocrinol Jap 49:612-8, 20 Mar 73 (Eng. Abstr.) **(Jap)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ METHODS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et al.
Arch Invest Med (Mex) 4:7-20, 1973 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, isolation & purification/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ TRITIUM

COLORIMETRY

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIVE STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

[Colorimetric determination of acetylenic steroids using Ag+ ions] Rizk M, et al.
Anal Chim Acta 65:220-2, Jun 73 **(Fre)**
*ALKYNES, analysis/ COLORIMETRY/ ETHINYL ESTRADIOL, analysis/ LYNESTRENOL, analysis/ MESTRANOL, analysis/ METHODS/ NORETHINDRONE, analysis/ NORETHYNODREL, analysis/ *PREGNATRIENES, analysis/ *PREGNENES, analysis

[The iodine content of drinking water in Sardinia] Costa A.
Folia Endocrinol (Roma) 26:134-8, Apr 73 (Eng. Abstr.) **(Ita)**
COLORIMETRY/ ENGLISH ABSTRACT/ *IODINE, analysis/ MEDITERRANEAN ISLANDS/ METHODS/ *WATER SUPPLY

COMPARATIVE STUDY

Specific radioimmunological determination without chromatography of plasma oestradiol in males. Doerr P, et al. **Acta Endocrinol (Kbh)** 73:314-20, Jun 73
CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/

*ESTRADIOL, blood/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

A comparison between the "Oxford T4 by column" method and the Murphy-Pattee method for serum thyroxine. Dürr HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:18, 1973
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ HUMAN/ ION EXCHANGE/ METHODS/ PROTEIN BINDING/ *THYROXINE, blood

Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ ADULT/ AGED/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ METHODS/ METYRAPONE, administration & dosage/ *METYRAPONE, diagnostic use/ MIDDLE AGE/ *PITUITARY-ADRENAL FUNCTION TESTS/ PROGESTERONE, blood/ TRITIUM

An improved method for the assay of dopa. Johnson JC, et al. **Anal Biochem** 54:129-36, Jul 73
BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *DOPA, analysis/ EPINEPHRINE, analysis/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS/ ULTRAVIOLET RAYS

Measurement of urinary aldosterone by a simplified radioimmunoassay procedure. Drewes PA, et al.
Clin Biochem 6:88-97, Jun 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DISPOSABLE EQUIPMENT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SILICA/ TIME FACTORS/ TRITIUM

Modification of column chromatography in T4 analysis. Nino PE, et al. **Clin Biochem** 6:106-16, Jun 73
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ INDICATORS AND REAGENTS/ ION EXCHANGE RESINS, isolation & purification/ METHODS/ *THYROXINE, blood/ TIME FACTORS

Semi-automated method for serum thyroxine as iodine using commercially available pre-packed resin columns. Burnett D, et al.
Clin Chim Acta 46:321-32, 14 Jul 73
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIVE STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al.
Clin Chim Acta 45:443-7, 30 May 73
ARSENIC/ AUTOANALYSIS/ BROMINE/ CERIUM/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES/ METHODS/ THYROID DISEASES, blood/ *THYRONINE, blood

Electron capture gas chromatographic determination of melengestrol acetate in animal feed supplements. Davis RA, et al. **J Assoc Off Anal Chem** 55:103-9, Jan 72
*ANIMAL FEED, analysis/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FOOD ADDITIVES, analysis/ MELENGESTROL, analysis/ METHODS/ *PREGNADIENES, analysis/ *PROGESTATIONAL HORMONES, analysis

Immunoassay of thyroxine in unextracted human serum. Larsen PR, et al.
J Clin Endocrinol Metab 37:177-82, Aug 73
ADSORPTION/ BINDING, COMPETITIVE/ CATTLE/ CHARCOAL/ COMPARATIVE STUDY/ DIIODOTYROSINE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ IODOTYROSINE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM SALICYLATE/ SWINE/ THYROGLOBULIN/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE

Evaluation of screening tests for urinary mucopolysaccharides. Rezvani I, et al.
Pediatrics 52:64-8, Jul 73
ADOLESCENCE/ ALKANES, diagnostic use/ AMMONIUM COMPOUNDS, diagnostic use/ ARACHNODACTYLY, urine/ CARBOHYDRATE METABOLISM, INBORN ERRORS, urine/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN DISEASES, urine/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ DENSITOMETRY/ DIMETHYLAMINES, diagnostic use/ ECCENTRO-OSTEOCHONDRODYSPLASIA, urine/ EVALUATION STUDIES/ FALSE POSITIVE REACTIONS/ HUMAN/ IMINES, diagnostic use/ INDICATORS AND REAGENTS/ INFANT/ INFANT, NEWBORN/ LIPOCHONDRODYSTROPHY, urine/ MENTAL RETARDATION, urine/ METHODS/ MUCOPOLYSACCHARIDES, metabolism/ *MUCOPOLYSACCHARIDES, urine/ PHENOTHIAZINES, diagnostic use/ REAGENT STRIPS/ RETINITIS PIGMENTOSA, urine

High-speed liquid chromatographic analysis of prostaglandins in rat kidney. Dunham EW, et al.
Prostaglandins 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analysis/ MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RATS/ ULTRAVIOLET RAYS

Influence of heparin-plasma, EDTA-plasma, and serum on the determination of insulin with three differen radioimmunoassays. Thorell JI, et al.
Scand J Clin Lab Invest 31:187-90, Mar 73
ADULT/ BLOOD/ COMPARATIVE STUDY/ *EDTA, pharmacodynamics/ FASTING/ FEMALE/ GLUCOSE/ *HEPARIN, pharmacodynamics/ HUMAN/ HYPERGLYCEMIA/ *INSULIN, blood/ MALE/ METHODS/ PRECIPITINS/ *RADIOIMMUNOASSAY

Cyclic adenosine monphosphate, metabolites, and phosphorylase in neural tissue: a comparison methods of fixation. Lust WD, et al.
Science 181:280-2, 20 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN CHEMISTRY/ COMPARATIVE STUDY/ FREEZING/ GLYCOGEN PHOSPHORYLASE, analysis/ *GLYCOGEN PHOSPHORYLASE, metabolism/ *HISTOLOGICAL TECHNICS/

LACTATES, analysis/ MALE/ METHODS/ MICROWAVES/ NITROGEN/ PHOSPHOCREATINE, analysis/ RATS

[Microassay of serum thyroxine with radioimmunological method] Beckers C, et al. **Ann Endocrinol (Paris)** 33:645-50, Nov-Dec 72 (Eng. Abstr.) **(Fre)**
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ METHODS/ RABBITS/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

[Rapid determination of iodoamino acid iodine in blood serum] Knapp G.
Clin Chim Acta 46:261-6, 14 Jul 73 (Eng. Abstr.) **(Ger)**
CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DIIODOTYROSINE, blood/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *IODINE, blood/ IODINE, isolation & purification/ IODINE ISOTOPES/ IODOTYROSINE, blood/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID HORMONES, blood/ THYROID HORMONES, isolation & purification/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

[Critical evaluation of the "wash-out" test in comparison with renin determination in revovascular hypertension] Dieterich WR, et al.
Z Urol Nephrol 65:851-9, Nov 72 **(Ger)**
ADULT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, radiography/ MALE/ *MANNITOL, diagnostic use/ METHODS/ MIDDLE AGE/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ *RENIN, blood/ *UREA, diagnostic use/ UROGRAPHY

[Experimental and clinical evaluation of Thyopac-4 test and usefulness of the free thyroxine index derived from the test] Senda K, et al.
Clin Endocrinol (Tokyo) 21:323-9, Mar 73 **(Jap)**
COMPARATIVE STUDY/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN

[Estrogen excretion in patients with chorioepithelioma of the uterus] Sharoukhova KS, et al.
Akush Ginekol (Mosk) 48:17-21, Oct 72 (Eng. Abstr.) **(Rus)**
ADULT/ CHORIOCARCINOMA, therapy/ *CHORIOCARCINOMA, urine/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ MIDDLE AGE/ UTERINE NEOPLASMS, therapy/ *UTERINE NEOPLASMS, urine

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

Correlation of urine estradiol levels in 24-hour samples and the 1st miction of the day] Karchmer S, et al.
Ginecol Obstet Mex 34:43-7, Jul 73 (Eng. Abstr.) **(Spa)**
COMPARATIVE STUDY/ CREATININE, urine/ ENGLISH ABSTRACT/ *ESTRADIOL, urine/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ SPECIMEN HANDLING/ TIME FACTORS

DENSITOMETRY

The reversibility of disuse osteoporosis. Experimental studies in the adult rat. Mattsson S.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ CALCIUM, analysis/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CASTS, SURGICAL/ DENSITOMETRY/ HYDROXYPROLINE, metabolism/ IMMOBILIZATION/ JOINTS/ MALE/ METHODS/ *OSTEOPOROSIS/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, physiopathology/ RATS/ REMISSION/ TIME FACTORS

Methodological refinements in the redox bioassay for adrenocorticotrophin. Alaghband-Zadeh J, et al.
J Endocrinol 58:xix, Jul 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ *CORTICOTROPIN, analysis/ DENSITOMETRY/ IN VITRO/ METHODS/ OXIDATION-REDUCTION/ STAINS AND STAINING

A new bioassay for luteinizing hormone. Rees LH, et al.
J Endocrinol 58:18, Jul 73
*BIOLOGICAL ASSAY/ CULTURE MEDIA/ DENSITOMETRY/ FEMALE/ *LH, analysis/ METHODS/ OVARY, metabolism/ OVULATION/ OXIDATION-REDUCTION/ RATS

Evaluation of screening tests for urinary mucopolysaccharides. Rezvani I, et al.
Pediatrics 52:64-8, Jul 73
ADOLESCENCE/ ALKANES, diagnostic use/ AMMONIUM COMPOUNDS, diagnostic use/ ARACHNODACTYLY, urine/ CARBOHYDRATE METABOLISM, INBORN ERRORS, urine/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN DISEASES, urine/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ DENSITOMETRY/ DIMETHYLAMINES, diagnostic use/ ECCENTRO-OSTEOCHONDRODYSPLASIA, urine/ EVALUATION STUDIES/ FALSE POSITIVE REACTIONS/ HUMAN/ IMINES, diagnostic use/ INDICATORS AND REAGENTS/ INFANT/ INFANT, NEWBORN/ LIPOCHONDRODYSTROPHY, urine/ MENTAL RETARDATION, urine/ METHODS/ MUCOPOLYSACCHARIDES, metabolism/ *MUCOPOLYSACCHARIDES, urine/ PHENOTHIAZINES, diagnostic use/ REAGENT STRIPS/ RETINITIS PIGMENTOSA, urine

DIAGNOSIS, DIFFERENTIAL

Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours. Käser H.
J Chromatogr 82:127-36, 18 Jul 73
CATECHOL, urine/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ DOPA, urine/ EPINEPHRINE, urine/ FOLLOW-UP STUDIES/ GANGLIONEUROMA, diagnosis/ HUMAN/ MELANOMA, diagnosis/ METHODS/ *NEOPLASMS, NERVOUS TISSUE, diagnosis/ NEOPLASMS, VASCULAR TISSUE, urine/ NEUROBLASTOMA, diagnosis/ NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, diagnosis

Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism. Schmidt-Gayk H, et al.
Surg Gynecol Obstet 137:439-44, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADULT/ CALCIUM, blood/ CREATININE, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, urine/ MALE/ METHODS/ PHOSPHATES, blood/ RADIOIMMUNOASSAY/ SEX FACTORS

DIALYSIS

A novel procedure for the purification of bovine somatomedin. Liberti JP.
Can J Biochem 51:1113-9, Jul 73
ADSORPTION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CARTILAGE/ CARTILAGE, drug effects/ CARTILAGE, metabolism/ CATTLE/ CHICKENS/ COLD/ DIALYSIS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ MALE/ METHODS/ RATS/ RIBS/ SODIUM/ SODIUM CHLORIDE/ *SOMATOMEDIN, blood/ SOMATOMEDIN, isolation & purification/ SOMATOMEDIN, pharmacodynamics/ SULFATES/ SULFATES, metabolism/ SULFUR ISOTOPES

ELECTROPHORESIS

[Radioimmunoassay for oxytocin] Iwasaki H.
Folia Endocrinol Jap 49:580-91, 20 Mar 73 (Eng. Abstr.) (Jap)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *OXYTOCIN, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

ELECTROPHORESIS, DISK

Preparation of lipid mobilizing peptide B from pig pituitaries by acrylamide gel electrophoresis. Ruschewski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:107, 1973
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ *LIPID MOBILIZATION/ METHODS/ *PEPTIDES, isolation & purification/ *PITUITARY HORMONES, ANTERIOR, isolation & purification/ RABBITS/ SWINE/ TISSUE EXTRACTS

A novel procedure for the purification of bovine somatomedin. Liberti JP.
Can J Biochem 51:1113-9, Jul 73
ADSORPTION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CARTILAGE/ CARTILAGE, drug effects/ CARTILAGE, metabolism/ CATTLE/ CHICKENS/ COLD/ DIALYSIS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ MALE/ METHODS/ RATS/ RIBS/ SODIUM/ SODIUM CHLORIDE/ *SOMATOMEDIN, blood/ SOMATOMEDIN, isolation & purification/ SOMATOMEDIN, pharmacodynamics/ SULFATES/ SULFATES, metabolism/ SULFUR ISOTOPES

ELECTROPHORESIS, PAPER

[Triiodothyronine] Sakurada T, et al.
Clin Endocrinol (Tokyo) 21:235-43, Mar 73 (Jap)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ HUMAN/ IODINE ISOTOPES/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

[Radioimmunoassay of human growth hormone by adsorption to talc] Endo M.
Folia Endocrinol Jap 49:1001-10, 20 Jul 73 (Eng. Abstr.) (Jap)
ACROMEGALY, blood/ ADSORPTION/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FASTING/ HORSES, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TALC

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Preparation of monomer insulin components and insulin-like contaminants from crystalline insulin by isoelectric focusing technique. Klöppel G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:58, 1973
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ INSULIN, analysis/ *INSULIN, isolation & purification/ ISOELECTRIC FOCUSING/ METHODS

Preparation of lipid mobilizing peptide B from pig pituitaries by acrylamide gel electrophoresis. Ruschewski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:107, 1973
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ *LIPID MOBILIZATION/ METHODS/ *PEPTIDES, isolation & purification/ *PITUITARY HORMONES, ANTERIOR, isolation & purification/ RABBITS/ SWINE/ TISSUE EXTRACTS

[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr.) (Fre
CHILD/ DWARFISM, PITUITARY, drug therapy/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ GEL FILTRATION/ *GONADOTROPINS, PITUITARY, isolation & purification/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, therapeutic use

ELECTROPHORESIS, STARCH GEL

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev** 25:161-78, Jun 73 (60 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ COMPUTERS/ CORTICOTROPIN/ CROSS REACTIONS/ ELECTROPHORESIS, STARCH GEL/ GASTROINTESTINAL HORMONES, blood/ GUINEA PIGS, immunology/ *HORMONES, blood/ HUMAN/ IMMUNE SERUMS/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PARATHYROID HORMONE/ *PEPTIDES, blood/ PITUITARY HORMONES/ PROINSULIN/ *RADIOIMMUNOASSAY/ REVIEW/ SWINE/ TIME FACTORS

FLUORESCENCE

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. **Clin Chem** 19:838-44, Aug 7
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

[Modification of Van der Vies' method for the determination of cortisol in human plasma] Háčik T, et al.
Bratisl Lek Listy 60:175-81, Aug 73 (Eng. Abstr.) (Slo
ADULT/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/

*FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *SPECTRUM ANALYSIS

FLUORESCENCE SPECTROMETRY

An improved method for the assay of dopa. Johnson JC, et al. **Anal Biochem** 54:129-36, Jul 73
BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *DOPA, analysis/ EPINEPHRINE, analysis/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS/ ULTRAVIOLET RAYS

A sensitive, rapid and simple method for the stimultaneous spectrophotofluorometric determinations of norepinephrine, dopamine, 5-hydroxytryptamine and 5-hydroxy-indoleacetic acid in discrete areas of brain. Cox RH Jr, et al. **J Neurochem** 20:1777-80, Jun 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CEREBELLUM, analysis/ DIENCEPHALON, analysis/ *DOPAMINE, analysis/ DOPAMINE, isolation & purification/ FLUORESCENCE SPECTROMETRY/ *HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, isolation & purification/ MEDULLA OBLONGATA, analysis/ MESENCEPHALON, analysis/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, isolation & purification/ PONS, analysis/ RATS/ *SEROTONIN, analysis/ SEROTONIN, isolation & purification/ TELENCEPHALON, analysis

[Fluroimetric determination of sub-micromolar amounts of DOPA in plasma] Geissbuehler F. **Clin Chim Acta** 45:423-7, 30 May 73 **(Fre)**
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ PARKINSONISM, blood

[Modification of Van der Vies' method for the determination of cortisol in human plasma] Háčik T, et al.
Bratisl Lek Listy 60:175-81, Aug 73 (Eng. Abstr.) **(Slo)**
ADULT/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *SPECTRUM ANALYSIS

INSTRUMENTATION

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. **Clin Chem** 19:838-44, Aug 73
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

FLUOROMETRY

Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function. Jorgensen H, et al. **Acta Med Scand** 193:537-42, Jun 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ ADULT/ AGED/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ METHODS/ METYRAPONE, administration & dosage/ *METYRAPONE, diagnostic use/ MIDDLE AGE/ *PITUITARY-ADRENAL FUNCTION TESTS/ PROGESTERONE, blood/ TRITIUM

Enzyme immunoassay of insulin by fluorimetry of the insulin-glucoamylase complex. Ishikawa E.
J Biochem (Tokyo) 73:1319-21, Jun 73
BINDING, COMPETITIVE/ FLUOROMETRY/ GLYCOSIDE HYDROLASES/ IMMUNOASSAY/ *INSULIN, analysis/ INSULIN ANTIBODIES/ METHODS

Adrenal response to synthetic adrenocorticotrophic hormone during pregnancy and after delivery, with special reference to pre-eclamptic and hypertensive pregnancy. Kauppila A, et al.
Scand J Clin Lab Invest 31:179-85, Mar 73
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADULT/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ *HYPERTENSION, metabolism/ METHODS/ PREGNANCY/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ *PREGNANCY TOXEMIAS, metabolism/ PUERPERIUM

[Determination of catecholamines in gastric juice by the fluorometric method] Grokhovskii LP.
Lab Delo 9:530-1, 1972 **(Rus)**
*CATECHOLAMINES, analysis/ FLUOROMETRY/ *GASTRIC JUICE, analysis/ HUMAN/ METHODS

GEL FILTRATION

Radioimmunoassay of plasma progesterone. Friedrich E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:112, 1973
CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL/ CORTISONE, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY

Correlative insulin and glucagon secretion of the perfused rat pancreas following pituitary peptides. Fussgänger RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ GEL FILTRATION/ GLUCAGON, analysis/ *GLUCAGON, secretion/ INSULIN, analysis/ *INSULIN, secretion/ METHODS/ PANCREAS, drug effects/ *PANCREAS, secretion/ PANCREATIC EXTRACTS/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

Diagnosis of molar pregnancies by oestetrol: quantitation in urine. Kaplan HG, et al.
Acta Endocrinol [Suppl] (Kbh) 173:50, 1973
CHROMATOGRAPHY, GAS/ *ESTRIOL, metabolism/ *ESTRIOL, urine/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, urine/ LIVER, metabolism/ METHODS/ PREGNANCY

Preparation of lipid mobilizing peptide B from pig pituitaries by acrylamide gel electrophoresis. Ruschewski H, et al.
Acta Endocrinol [Suppl] (Kbh) 173:107, 1973
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ *LIPID MOBILIZATION/ METHODS/ *PEPTIDES, isolation & purification/ *PITUITARY

HORMONES, ANTERIOR, isolation & purification/ RABBITS/ SWINE/ TISSUE EXTRACTS

An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique. Gyde OH, et al.
Clin Chim Acta 45:443-7, 30 May 73
ARSENIC/ AUTOANALYSIS/ BROMINE/ CERIUM/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES/ METHODS/ THYROID DISEASES, blood/ *THYRONINE, blood

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al.
FEBS Lett 33:301-4, 15 Jul 73
CATTLE/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, urine/ ESTRIOL, pharmacodynamics/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, pharmacodynamics/ ESTRONE, urine/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GLUTAMATE DEHYDROGENASE, antagonists & inhibitors/ *GLUTAMATE DEHYDROGENASE, metabolism/ HUMAN/ KINETICS/ LIVER, enzymology/ METHODS/ PREGNANCY/ PREGNANEDIOL, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ URATE OXIDASE/ URIC ACID, pharmacodynamics

Development and clinical application of a new method for the radioimmunoassay of arginine vasopressin in human plasma. Robertson GL, et al.
J Clin Invest 52:2340-52, Sep 73
ACETONE/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ARGININE, blood/ BLOOD PRESERVATION/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ DIABETES INSIPIDUS, blood/ DIURESIS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ LYSINE/ METHODS/ OSMOLAR CONCENTRATION/ OXYTOCIN/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ *RADIOIMMUNOASSAY/ TRIMETHOPRIM, pharmacodynamics/ URINE, analysis/ *VASOPRESSIN, blood/ VASOTOCIN

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)
AMINOPEPTIDASES, blood/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ ION EXCHANGE/ METHODS/ MOLECULAR WEIGHT/ OXYTOCIN/ *OXYTOCIN, analysis/ OXYTOCIN, urine/ *RADIOIMMUNOASSAY/ RATS/ REVIEW/ *VASOPRESSIN, analysis/ VASOPRESSIN, blood/ VASOPRESSIN, urine

A solid-phase radioimmunoassay for ovine follicle-stimulating hormone. Cunningham NF, et al.
J Endocrinol 58:239-49, Aug 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *FSH, blood/ GEL FILTRATION/ HYDROGEN PEROXIDE/ IODINE ISOTOPES/ LH, blood/ METHODS/ PEROXIDASES/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ THYROTROPIN, blood

Gas chromatographic determination of nanogram amounts of prostaglandins E and F. Jouvenaz GH, et al.
Prostaglandins 3:175-87, Feb 73
AMNIOTIC FLUID, analysis/ BROMINE/ CHROMATOGRAPHY, GAS/ ESTERS/ FEMALE/ FLUOROACETATES/ GEL FILTRATION/ HUMAN/ INTESTINE, SMALL, analysis/ LABOR/ LIVER, analysis/ LUNG, analysis/ METHODS/ METHYLATION/ *PROSTAGLANDINS, analysis/ RATS/ SKIN, analysis/ STOMACH, analysis

Simultaneous determination of plasma estrogens androgens, and progesterone during the human menstrual cycle. Dupon C, et al.
Steroids 22:47-61, Jul 73
ADULT/ *ANDROGENS, blood/ ANDROSTENEDIONE, blood/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, blood/ *ESTRONE, blood/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *17-KETOSTEROIDS, blood/ LH, blood/ *MENSTRUATION/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SHEEP, immunology/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

Radioimmunoassay of plasma androsterone. Youssefnejadian E, et al. **Steroids** 22:63-72, Jul 7
*ANDROSTERONE, blood/ ANTIGENS/ BINDING SITES, ANTIBODY/ COMPUTERS, DIGITAL/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ OXIMES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

[Study of a preparation of human growth hormone an gonadotropin fraction for clinical use] Bailly du Bo M, et al.
Ann Biol Clin (Paris) 31:203-9, 1973 (Eng. Abstr (Fr
CHILD/ DWARFISM, PITUITARY, drug therapy/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ GEL FILTRATION/ *GONADOTROPINS, PITUITARY, isolation & purification/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, therapeutic use

HISTOCYTOCHEMISTRY

The production of catecholamine-containing cells vitro by young chick embryos studies by th histochemical fluorescence method. Bjerre B.
J Anat 115:119-31, May 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES analysis/ *CATECHOLAMINES, secretion/ *CENTRAL NERVOUS SYSTEM, embryology/ CENTRAL NERVOUS SYSTEM, secretion/ CHICK EMBRYO/ DISSECTION/ *GANGLIA, embryology/ GANGLIA, secretion/ HISTOCYTOCHEMISTRY/ IN VITRO/ METHODS/ MICROSCOPY, FLUORESCENCE/ SPECTRUM ANALYSIS/ TIME FACTORS

An in vitro assay for corticotropin releasing factor(using suspensions of isolated pituitary cells. Portanova R, et al. **Neuroendocrinology** 12:236-48, 19
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ *CELLS, secretion/ CEREBRAL CORTEX/ CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, secretion/ *CORTICOTROPIN RELEASING FACTOR, pharmacodynamics/ DOSE-RESPONS RELATIONSHIP, DRUG/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS/ MALE/ METHODS/ PITUITARY GLAND, dru effects/ *PITUITARY GLAND, secretion/ RATS/ TISSUE EXTRACTS, administration & dosage/ TISSUE EXTRACTS, pharmacodynamics/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, pharmacodynamics

HISTOLOGICAL TECHNICS

Cyclic adenosine monphosphate, metabolites, a phosphorylase in neural tissue: a comparison methods of fixation. Lust WD, et al.
Science 181:280-2, 20 Jul 73

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN CHEMISTRY/ COMPARATIVE STUDY/ FREEZING/ GLYCOGEN PHOSPHORYLASE, analysis/ *GLYCOGEN PHOSPHORYLASE, metabolism/ *HISTOLOGICAL TECHNICS/ LACTATES, analysis/ MALE/ METHODS/ MICROWAVES/ NITROGEN/ PHOSPHOCREATINE, analysis/ RATS

IMMUNOASSAY

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. **Clin Chem** 19:838-44, Aug 73
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

Enzyme immunoassay of insulin by fluorimetry of the insulin-glucoamylase complex. Ishikawa E. **J Biochem (Tokyo)** 73:1319-21, Jun 73
BINDING, COMPETITIVE/ FLUOROMETRY/ GLYCOSIDE HYDROLASES/ IMMUNOASSAY/ *INSULIN, analysis/ INSULIN ANTIBODIES/ METHODS

IMMUNOELECTROPHORESIS

Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al. **Acta Endocrinol (Kbh)** 73:483-8, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ *GOITER, EXOPHTHALMIC, blood/ HEMAGGLUTINATION TESTS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ MICE/ MICROSOMES, immunology/ *THYROGLOBULIN, blood/ THYROID GLAND, immunology

Oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:227-33, Mar 73 (22 ref.) (Jap)
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX, isolation & purification/ CHROMATOGRAPHY, PAPER/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ *OXYTOCIN, blood/ OXYTOCIN, isolation & purification/ *RADIOIMMUNOASSAY/ REVIEW

NDICATOR DILUTION TECHNICS

simple method for the determination of serum free insulin levels in insulin-treated patients. Nakagawa S, et al. **Diabetes** 22:590-600, Aug 73
ADOLESCENCE/ ADULT/ AGED/ CIRCADIAN RHYTHM/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, immunology/ FASTING/ GLUCOSE TOLERANCE TEST/ GLYCOLS/ HUMAN/ INDICATOR DILUTION TECHNICS/ *INSULIN, blood/ INSULIN, therapeutic use/ INSULIN ANTIBODIES, analysis/ METHODS/ MIDDLE AGE/ POLYETHYLENES/ RADIOIMMUNOASSAY

ION EXCHANGE RESINS

ISOLATION & PURIFICATION

Modification of column chromatography in T4 analysis. Nino PE, et al. **Clin Biochem** 6:106-16, Jun 73
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ INDICATORS AND REAGENTS/ ION EXCHANGE RESINS, isolation & purification/ METHODS/ *THYROXINE, blood/ TIME FACTORS

ISOELECTRIC FOCUSING

Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al. **Acta Endocrinol (Kbh)** 73:483-8, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ *GOITER, EXOPHTHALMIC, blood/ HEMAGGLUTINATION TESTS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ MICE/ MICROSOMES, immunology/ *THYROGLOBULIN, blood/ THYROID GLAND, immunology

Preparation of monomer insulin components and insulin-like contaminants from crystalline insulin by isoelectric focusing technique. Klöppel G, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:58, 1973
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ INSULIN, analysis/ *INSULIN, isolation & purification/ ISOELECTRIC FOCUSING/ METHODS

MASS SPECTRUM ANALYSIS

Gas chromatographic and mass spectrometric studies on oestrogens in bile. I. Pregnant women. Adlercreutz H, et al. **Acta Endocrinol (Kbh)** 73:543-54, Jul 73
ADULT/ *BILE, analysis/ BILE DUCTS/ CHROMATOGRAPHY, GAS/ DUODENUM/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ GALLBLADDER/ HUMAN/ INTUBATION, GASTROINTESTINAL/ 17-KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ STEROLS, analysis

Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry. Gréen K, et al. **Anal Biochem** 54:434-53, Aug 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CYCLOPENTANE/ DEUTERIUM/ HYDROLYSIS/ ISOTOPE LABELING/ KETONES/ KIDNEY, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHINES/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, isolation & purification/ SWINE

A gas chromatography technique for rapid determination of urinary estriol during pregnancy. Adessi G, et al. **Clin Chim Acta** 45:369-74, 30 May 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ GLUCOSE/ GLUCURONIDASE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ SNAILS, enzymology/ TIME FACTORS

[Qualitative and quantitative analyses of urinary 17-ketosteroids and 20-hydroxy-21-deoxysteroids by gas-liquid chromatography and mass spectrometry]

Desgres J, et al.
Clin Chim Acta 46:277-96, 14 Jul 73 (Eng. Abstr.) **(Fre)**
*ANDROSTANES, urine/ ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, isolation & purification/ MASS SPECTRUM ANALYSIS/ METHODS/ PREGNANEDIOL, urine/ *PREGNANES, urine/ PREGNANETRIOL, urine/ SNAILS/ SNAILS, enzymology/ STEREOISOMERS/ STEROIDS, isolation & purification/ *STEROLS, urine/ TRITIUM

MICROCHEMISTRY

An improved method for the assay of dopa. Johnson JC, et al. **Anal Biochem** 54:129-36, Jul 73
BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *DOPA, analysis/ EPINEPHRINE, analysis/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS/ ULTRAVIOLET RAYS

[Fluroimetric determination of sub-micromolar amounts of DOPA in plasma] Geissbuehler F. **Clin Chim Acta** 45:423-7, 30 May 73 **(Fre)**
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, blood/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ PARKINSONISM, blood

ORGAN WEIGHT

A workable, simple biological screening procedure for the detection of specific FSH inhibitors. Berswordt-Wallrabe R vo, et al.
Acta Endocrinol [Suppl] (Kbh) 173:63, 1973
ANIMAL EXPERIMENTS/ ATROPHY/ *BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, antagonists & inhibitors/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ METHODS/ ORGAN WEIGHT/ RATS/ SPERMATOGENESIS/ TESTIS, growth & development

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FSH, secretion/ GONADOTROPINS, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ LH, secretion/ MALE/ METHODS/ ORGAN WEIGHT/ RABBITS/ RADIOIMMUNOASSAY/ *TESTIS, drug effects/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

A source of error in the rat diaphragm assay of insulin. Hollands TR, et al. **Anal Biochem** 54:413-8, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ DIAPHRAGM, drug effects/ DIAPHRAGM, metabolism/ GLUCOSE, metabolism/ *INSULIN, analysis/ INSULIN, pharmacodynamics/ MALE/ METHODS/ *MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ RATS

PHOTOMETRY

[Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

POLAROGRAPHY

Gas-liquid chromatography of keto- and hydroxyandrostanes. Hiscoe A, et al.
J Chromatogr 81:144-9, 27 Jun 73
ADSORPTION/ *ANDROSTANES, analysis/ *CHROMATOGRAPHY, GAS/ CYCLOSTEROIDS, analysis/ ETHERS, analysis/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ METHODS/ MOLECULAR CONFORMATION/ POLAROGRAPHY/ SOLVENTS/ STRUCTURE-ACTIVITY RELATIONSHIP

PRECIPITATION

Radioimmunoassay of oestriol in pregnancy plasma Wilson GR. **Clin Chim Acta** 46:297-304, 14 Jul 7
ALCOHOL, METHYL/ AMMONIUM SULFATE/ CATTLE/ CHROMATOGRAPHY, GAS/ ESTRADIOL/ *ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, blood/ ESTROGENS/ ETHYL ETHER/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHANE/ METHODS/ PRECIPITATION/ *PREGNANCY/ PROTEINS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM/ URONIC ACIDS

PROTEIN BINDING

Unconjugated 5-androstene-3beta, 17beta-diol in human plasma. Demisch K, et al.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973
ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLANDS/ *ANDROSTENES, blood/ ANDROSTENES, metabolism/ CHROMATOGRAPHY, PAPER/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HIRSUTISM, blood/ HUMAN/ HYPERPLASIA, blood/ HYPOGONADISM, blood/ MALE/ METHODS/ PROTEIN BINDING/ TESTOSTERONE, blood/ VIRILISM, blood

A comparison between the "Oxford T4 by column method and the Murphy-Pattee method for serum thyroxine. Dürr HK, et al.
Acta Endocrinol [Suppl] (Kbh) 173:18, 1973
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ HUMAN/ ION EXCHANGE/ METHODS/ PROTEIN BINDING/ *THYROXINE, blood

Plasma progesterone concentration in the hen i relation to the ovulatory cycle. Haynes NB, et a
Br Poult Sci 14:349-57, Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHICKENS, physiology/ FEMALE METHODS/ *OVULATION/ *PROGESTERONE, blood/ PROTEIN BINDING/ TIME FACTORS/ TRITIUM

The measurement of serum thyroxine by competitiv protein binding analysis. Barbadoro S.
Can J Med Technol 35:5-7 passim, Aug 73
BINDING, COMPETITIVE/ CHEMISTRY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *PROTEIN BINDING/ TECHNOLOGY, MEDICAL/ *THYROXINE, blood

Evaluation of a rapid competitive protein binding assa for progesterone in pregnancy and some of it complications. Teoh ES, et al.
Endocrinol Jap 20:211-5, Apr 73
BINDING, COMPETITIVE/ FEMALE/ HUMAN METHODS/ *PREGNANCY/ PREGNANCY

COMPLICATIONS/ *PROGESTERONE, blood/ PROTEIN BINDING/ *TROPHOBLASTIC TUMOR, blood

Radioreceptor assay for growth hormone. Tsushima T, et al. **J Clin Endocrinol Metab** 37:334-7, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CELL MEMBRANE/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUCKS/ HUMAN/ IODINE ISOTOPES/ ISOTOPE LABELING/ LIVER/ METHODS/ MONKEYS/ PREGNANCY/ PROLACTIN/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, HORMONE/ SHEEP/ *SOMATOTROPIN, blood/ SWINE/ TURTLES

A radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. Thody AJ, et al. **J Endocrinol** 58:263-73, Aug 73
ADDISON'S DISEASE, blood/ ADDISON'S DISEASE, drug therapy/ ADRENALECTOMY/ BLOOD PROTEIN ELECTROPHORESIS/ BRONCHIAL NEOPLASMS, blood/ CORTICOTROPIN, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ IODINE ISOTOPES/ METHODS/ *MSH, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

A simple competitive protein-binding method for determination of progesterone in the rat plasma. Marić Z, et al. **Steroids** 22:113-21, Jul 73
ACETYLATION/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CONTRACEPTIVES, ORAL, metabolism/ ESTRUS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MENSTRUATION/ METHODS/ OVARY, metabolism/ PREGNANCY/ *PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRANSCORTIN, metabolism/ TRITIUM

[Measurement of blood thyroxine with Thyopac-4 method] Nakamura M, et al.
Clin Endocrinol (Tokyo) 21:443-6, Apr 73 **(Jap)**
IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

[Cyclic AMP] Okabayashi N.
Clin Endocrinol (Tokyo) 21:287-92, Mar 73 (16 ref.) **(Jap)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGENS/ BINDING, COMPETITIVE/ HAPTENS/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ REVIEW/ SERUM ALBUMIN/ SUCCINATES/ TEMPERATURE/ TIME FACTORS/ TRITIUM

[Determination of thyroxine in the blood with Thyopac-4 kit] Yamauchi K, et al.
Clin Endocrinol (Tokyo) 21:657-62, Jun 73 **(Jap)**
FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ IODINE ISOTOPES/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

Current methods of determining aldosterone] Naugol'nykh EZ. **Lab Delo** 9:522-9, 1972 (54 ref.) **(Rus)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

Determination of progesterone in the plasma of pregnant women by the method of competitive binding with proteins] Pankova SS, et al.
Probl Endokrinol (Mosk) 19:32-5, May-Jun 73 (Eng. Abstr.) **(Rus)**
BINDING, COMPETITIVE/ *BLOOD PROTEINS, analysis/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE/ *LABOR/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ TIME FACTORS

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et al.
Arch Invest Med (Mex) 4:7-20, 1973 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, isolation & purification/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ TRITIUM

RADIOIMMUNOASSAY

Specific radioimmunological determination without chromatography of plasma oestradiol in males. Doerr P, et al. **Acta Endocrinol (Kbh)** 73:314-20, Jun 73
CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy. Glencross RG, et al. **Acta Endocrinol (Kbh)** 73:374-84, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ ESTRADIOL, physiology/ *ESTRONE, blood/ ESTRONE, physiology/ *ESTRUS/ FEMALE/ METHODS/ OVULATION/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RADIOIMMUNOASSAY/ TRITIUM

Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Sand T, et al.
Acta Endocrinol (Kbh) 73:444-54, Jul 73
ADSORPTION/ *CHARCOAL/ CROSS REACTIONS/ *DEXTRAN/ FEMALE/ FSH/ GONADOTROPINS, CHORIONIC/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ THYROTROPIN/ TIME FACTORS

Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period. Sundsfjord JA, et al. **Acta Endocrinol (Kbh)** 73:499-508, Jul 73
ADULT/ *ALDOSTERONE, blood/ ALDOSTERONE, diagnostic use/ CHROMATOGRAPHY, PAPER/ *CORPUS LUTEUM, physiology/ CROSS REACTIONS/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ METHODS/ *OVULATION/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *RENIN, blood/ TIME FACTORS/ TRITIUM

Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women. Torjesen PA, et al.
Acta Endocrinol (Kbh) 73:455-64, Jul 73
ADULT/ FEMALE/ *FSH, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYPERTHYROIDISM, metabolism/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

Specific radioimmunologic determination of plasma oestradiol in males without chromatography. Doerr P, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:108, 1973
CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/

*IMMUNE SERUMS/ MALE/ METHODS/ PRECIPITIN TESTS/ RADIOIMMUNOASSAY

Radioimmunoassay of plasma progesterone. Friedrich E, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:112, 1973
CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL/ CORTISONE, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY

Correlative insulin and glucagon secretion of the perfused rat pancreas following pituitary peptides. Fussgänger RD, et al.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ GEL FILTRATION/ GLUCAGON, analysis/ *GLUCAGON, secretion/ INSULIN, analysis/ *INSULIN, secretion/ METHODS/ PANCREAS, drug effects/ *PANCREAS, secretion/ PANCREATIC EXTRACTS/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ *ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOTROPIN, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ METHODS/ RADIOIMMUNOASSAY/ RADIOISOTOPE DILUTION TECHNIC/ RATS/ SHEEP, immunology/ TRITIUM

Radioimmunologic determination of plasma estriol in pregnancy with anti-estriol-C6 conjugate-antiserum. Goebel R, et al.
Acta Endocrinol [Suppl] (Kbh) 173:109, 1973
*ESTRIOL, blood/ ESTROGENS, urine/ FEMALE/ HUMAN/ *IMMUNE SERUMS/ METHODS/ *PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY

Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay. Hasan SH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:168, 1973
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, blood/ ADRENALECTOMY/ ADULT/ AGE FACTORS/ CARCINOMA, blood/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, PITUITARY, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ *PUBERTY/ PUBERTY, PRECOCIOUS, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTOSTERONE, blood

Radioimmunometric assay for human calcitonin. Hesch RD, et al. **Acta Endocrinol [Suppl] (Kbh)** 173:161, 1973
CALCIUM, diagnostic use/ GLUCAGON, diagnostic use/ GOATS, immunology/ HUMAN/ METHODS/ PENTAGASTRIN, diagnostic use/ *RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, blood

Testicular function and morphology in rabbits following active immunization with testosterone or estradiol. Nieschlag E, et al.
Acta Endocrinol [Suppl] (Kbh) 173:116, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FSH, secretion/ GONADOTROPINS, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ LH, secretion/ MALE/ METHODS/ ORGAN WEIGHT/ RABBITS/ RADIOIMMUNOASSAY/ *TESTIS, drug effects/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Wide L, et al.
Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, physiology/ FEMALE/ *FSH, analysis/ FSH, blood/ FSH, urine/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, analysis/ LH, blood/ LH, urine/ MALE/ MENOPAUSE/ MENSTRUATION/ MENSTRUATION DISORDERS, blood/ METHODS/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX FACTORS/ TIME FACTORS

Plasma aldosterone-renin interrelationships in variou forms of essential hypertension. Studies using a rapi assay of plasma aldosterone. Bühler FR, et a
Am J Cardiol 32:554-61, 20 Sep 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHILD/ DIET/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ MALE/ METHODS/ MIDDLE AGE/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *RENIN, blood SODIUM, blood/ SODIUM, urine/ TIME

Radioimmunoassay for estrogens in maternal blood l late pregnancy: values for normal and complicate pregnancy. Podoba V, et al.
Am J Obstet Gynecol 117:321-30, 1 Oct 73
ADOLESCENCE/ ADULT/ ANTIBODIES, analysis/ ANTIGENS/ *ESTRIOL, blood/ FEMALE/ FETAL DEATH, diagnosis/ GAMMA GLOBULIN/ HUMAN/ HYPERTENSION, blood IMMUNE SERUMS/ INFANT, NEWBORN/ METHODS/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, blood/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS/ TRITIUM/ ULTRASONICS

Radioimmunoassay of oxytocin in amniotic fluid, fet urine, and meconium during late pregnancy an delivery. Seppälä M, et al.
Am J Obstet Gynecol 114:788-95, 15 Nov 72
*AMNIOTIC FLUID, analysis/ BIRTH WEIGHT/ *DELIVERY/ FEMALE/ FETAL MEMBRANES/ *FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ LABOR/ *MECONIUM, analysis/ METHODS/ *OXYTOCIN, analysis/ OXYTOCIN, urine/ PARITY/ *PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS

Measurement of urinary aldosterone by a simplifie radioimmunoassay procedure. Drewes PA, et a
Clin Biochem 6:88-97, Jun 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY CHROMATOGRAPHY, PAPER/ COMPARATIV STUDY/ DISPOSABLE EQUIPMENT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SILICA/ TIME FACTORS/ TRITIUM

Radioimmunoassay of oestriol in pregnancy plasm Wilson GR. **Clin Chim Acta** 46:297-304, 14 Jul
ALCOHOL, METHYL/ AMMONIUM SULFATE CATTLE/ CHROMATOGRAPHY, GAS/ ESTRADIOL/ *ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, blood/ ESTROGENS/ ETHYL ETHER/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHANE/ METHODS PRECIPITATION/ *PREGNANCY/ PROTEINS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM/ URONIC ACIDS

The immunoassay of thyroid-stimulating hormone an its clinical applications. Hall R.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref
ACROMEGALY, blood/ CIRCADIAN RHYTHM COLD/ FEMALE/ GOITER, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INFANT, NEWBORN/ IODINE ISOTOPES, DIAGNOSTIC

LONG-ACTING THYROID STIMULATOR, blood/ MALE/ METHODS/ PITUITARY HORMONE RELEASING FACTORS, secretion/ PREGNANCY/ RADIOIMMUNOASSAY/ REVIEW/ *THYROTROPIN, blood/ THYROTROPIN, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

A simple method for the determination of serum free insulin levels in insulin-treated patients. Nakagawa S, et al. **Diabetes** 22:590-600, Aug 73
ADOLESCENCE/ ADULT/ AGED/ CIRCADIAN RHYTHM/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, immunology/ FASTING/ GLUCOSE TOLERANCE TEST/ GLYCOLS/ HUMAN/ INDICATOR DILUTION TECHNICS/ *INSULIN, blood/ INSULIN, therapeutic use/ INSULIN ANTIBODIES, analysis/ METHODS/ MIDDLE AGE/ POLYETHYLENES/ RADIOIMMUNOASSAY

A direct progesterone radioimmunoassay. Castro A, et al. **Experientia** 29:636-7, 15 May 73
FEMALE/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM

Radioimmunological determination of plasma cortisol. Vecsei P, et al. **Experientia** 28:1104-5, 15 Sep 72
ADDISON'S DISEASE, blood/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METHODS/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY

Development of a radioimmunoassay for 5-alpha-androst-16-ene-3-one. Andresen O. **Horm Metab Res** 5:307-8, Jul 73
*ANDROSTENES, blood/ CASTRATION/ GUINEA PIGS/ KETOSTEROIDS, blood/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE/ TRITIUM

Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH). Golter TD, et al. **J Anim Sci** 37:123-7, Jul 73
ACETIC ACIDS, administration & dosage/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *FSH/ GOATS, immunology/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ LH/ *LH, blood/ MALE/ METHODS/ METHYLCELLULOSE, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SILICONE ELASTOMERS, administration & dosage

Immunoassay of thyroxine in unextracted human serum. Larsen PR, et al. **J Clin Endocrinol Metab** 37:177-82, Aug 73
ADSORPTION/ BINDING, COMPETITIVE/ CATTLE/ CHARCOAL/ COMPARATIVE STUDY/ DIIODOTYROSINE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ IODOTYROSINE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM SALICYLATE/ SWINE/ THYROGLOBULIN/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE

Development and clinical application of a new method for the radioimmunoassay of arginine vasopressin in human plasma. Robertson GL, et al. **J Clin Invest** 52:2340-52, Sep 73
ACETONE/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ARGININE, blood/ BLOOD PRESERVATION/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ DIABETES INSIPIDUS, blood/ DIURESIS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ LYSINE/ METHODS/ OSMOLAR CONCENTRATION/ OXYTOCIN/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ *RADIOIMMUNOASSAY/ TRIMETHOPRIM, pharmacodynamics/ URINE, analysis/ *VASOPRESSIN, blood/ VASOTOCIN

The radioimmunoassay of oxytocin and vasopressin. Chard T. **J Endocrinol** 58:143-60, Jul 73 (48 ref.)
AMINOPEPTIDASES, blood/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ ION EXCHANGE/ METHODS/ MOLECULAR WEIGHT/ OXYTOCIN/ *OXYTOCIN, analysis/ OXYTOCIN, urine/ *RADIOIMMUNOASSAY/ RATS/ REVIEW/ *VASOPRESSIN, analysis/ VASOPRESSIN, blood/ VASOPRESSIN, urine

Radioimmunoassay of human plasma prolactin with an antiserum raised against extracts of amniotic fluid. Cole EN, et al. **J Endocrinol** 58:xxiv, Jul 73
*AMNIOTIC FLUID, immunology/ FEMALE/ HUMAN/ *IMMUNE SERUMS/ METHODS/ PREGNANCY/ *PROLACTIN, blood/ RADIOIMMUNOASSAY

The production of antisera for the radioimmunoassay of thyroxine. Corcoran JM, et al. **J Endocrinol** 58:xxii, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ CATTLE/ FREUND'S ADJUVANT/ HUMAN/ *IMMUNE SERUMS/ METHODS/ RADIOIMMUNOASSAY/ SHEEP/ THYROXINE, blood

A solid-phase radioimmunoassay for ovine follicle-stimulating hormone. Cunningham NF, et al. **J Endocrinol** 58:239-49, Aug 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *FSH, blood/ GEL FILTRATION/ HYDROGEN PEROXIDE/ IODINE ISOTOPES/ LH, blood/ METHODS/ PEROXIDASES/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ THYROTROPIN, blood

Radioimmunoassay of serum tri-iodothyroine in patients with thyroid disease. Eastman CJ, et al. **J Endocrinol** 58:22-3, Jul 73
ADULT/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ MALE/ METHODS/ RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

125-Iodine tracers for steroid radioimmunoassay. Gilby ED, et al. **J Endocrinol** 58:xx, Jul 73
CHLORAMINES/ HISTAMINE/ HUMAN/ *IODINE ISOTOPES/ METHODS/ NORSYNEPHRINE/ *RADIOIMMUNOASSAY/ *STEROIDS, analysis

Radioimmunoassay of urinary oestradiol. Hunter WM, et al. **J Endocrinol** 58:xxi, Jul 73
*ESTRADIOL, urine/ HISTAMINE/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY

Assessment of the radioimmunoassay for plasma thyroid-stimulating hormone (TSH) and of the TSH-stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al. **J Endocrinol** 58:23-4, Jul 73
HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ METHODS/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood

A radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. Thody AJ, et al. **J Endocrinol** 58:263-73, Aug 73
ADDISON'S DISEASE, blood/ ADDISON'S DISEASE, drug therapy/ ADRENALECTOMY/

BLOOD PROTEIN ELECTROPHORESIS/ BRONCHIAL NEOPLASMS, blood/ CORTICOTROPIN, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ IODINE ISOTOPES/ METHODS/ *MSH, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

A specific radioimmunossay for testosterone in peripheral plasma. Kinouchi T, et al. **J Lab Clin Med** 82:309-16, Aug 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CATTLE/ CROSS REACTIONS/ FEMALE/ MALE/ MATHEMATICS/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ STEROIDS, blood/ *TESTOSTERONE, blood/ THYROGLOBULIN/ TRITIUM

Physiologic implications of prostaglandin radioimmunoassay. Jaffe BM, et al. **Metabolism** 22:1129-37, Aug 73 (41 ref.)
ANIMAL EXPERIMENTS/ BLOOD COAGULATION/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ INTRAOCULAR PRESSURE/ KIDNEY, physiopathology/ LABOR/ METHODS/ ORGAN CULTURE/ PREGNANCY/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ SHEEP

Inappropriate secretion of LH in the Stein-Leventhal syndrome. Gambrell RD Jr, et al. **Obstet Gynecol** 42:429-40, Sep 73
ADOLESCENCE/ ADRENAL GLANDS, physiopathology/ ADULT/ AMENORRHEA, drug therapy/ ANDROGENS, secretion/ CLOMIPHENE, therapeutic use/ DEXAMETHASONE, therapeutic use/ FEMALE/ *FSH, secretion/ GONADOTROPINS, blood/ HIRSUTISM/ HUMAN/ 17-KETOSTEROIDS, urine/ *LH, secretion/ MENSTRUATION DISORDERS/ METHODS/ OVARY, physiopathology/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ *STEIN-LEVENTHAL SYNDROME, physiopathology/ TESTOSTERONE, blood/ VIRILISM

Measurements of renin-angiotensin-aldosterone. Poulsen K. **Pharmacol Rev** 25:249-57, Jun 73 (70 ref.)
*ALDOSTERONE, blood/ ANGIOTENSIN, biosynthesis/ *ANGIOTENSIN, blood/ ANTIBODY SPECIFICITY/ HUMAN/ KINETICS/ METHODS/ RADIOIMMUNOASSAY/ RENIN, antagonists & inhibitors/ *RENIN, blood/ REVIEW/ TIME FACTORS

Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Yalow RS. **Pharmacol Rev** 25:161-78, Jun 73 (60 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ COMPUTERS/ CORTICOTROPIN/ CROSS REACTIONS/ ELECTROPHORESIS, STARCH GEL/ GASTROINTESTINAL HORMONES, blood/ GUINEA PIGS, immunology/ *HORMONES, blood/ HUMAN/ IMMUNE SERUMS/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PARATHYROID HORMONE/ *PEPTIDES, blood/ PITUITARY HORMONES/ PROINSULIN/ *RADIOIMMUNOASSAY/ REVIEW/ SWINE/ TIME FACTORS

Radioimmunoassay of the A prostaglandins. Zusman RM, et al. **Prostaglandins** 2:41-53, Jul 72
ADULT/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ARTHRITIS, RHEUMATOID, blood/ BINDING SITES, ANTIBODY/ CARBODIIMIDES/ CATTLE/ CROSS REACTIONS/ FEMALE/ FREUND'S ADJUVANT/ HUMAN/ IMMUNE SERUMS/ INDOMETHACIN/ MALE/ METHODS/ *PROSTAGLANDINS, blood/ RABBITS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

Influence of heparin-plasma, EDTA-plasma, and serum on the determination of insulin with three different radioimmunoassays. Thorell JI, et al. **Scand J Clin Lab Invest** 31:187-90, Mar 73
ADULT/ BLOOD/ COMPARATIVE STUDY/ *EDTA, pharmacodynamics/ FASTING/ FEMALE/ GLUCOSE/ *HEPARIN, pharmacodynamics/ HUMAN/ HYPERGLYCEMIA/ *INSULIN, blood/ MALE/ METHODS/ PRECIPITINS/ *RADIOIMMUNOASSAY

Simultaneous determination of plasma estrogens, androgens, and progesterone during the human menstrual cycle. Dupon C, et al. **Steroids** 22:47-61, Jul 73
ADULT/ *ANDROGENS, blood/ ANDROSTENEDIONE, blood/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, blood/ *ESTRONE, blood/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *17-KETOSTEROIDS, blood/ LH, blood/ *MENSTRUATION/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SHEEP, immunology/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

Radioimmunoassay of plasma androsterone. Youssefnejadian E, et al. **Steroids** 22:63-72, Jul 73
*ANDROSTERONE, blood/ ANTIGENS/ BINDING SITES, ANTIBODY/ COMPUTERS, DIGITAL/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ OXIMES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism. Schmidt-Gayk H, et al. **Surg Gynecol Obstet** 137:439-44, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADULT/ CALCIUM, blood/ CREATININE, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, urine/ MALE/ METHODS/ PHOSPHATES, blood/ RADIOIMMUNOASSAY/ SEX FACTORS

[Radioimmunological determination of insulin and its practical use] Závada M, et al. **Cas Lek Cesk** 112:161-5, Feb 73 (Eng. Abstr.) (Cze)
ANTIGENS/ ENGLISH ABSTRACT/ HUMAN/ *INSULIN, blood/ METHODS/ RADIOIMMUNOASSAY

[Study of a preparation of human growth hormone and gonadotropin fraction for clinical use] Bailly du Bois M, et al. **Ann Biol Clin (Paris)** 31:203-9, 1973 (Eng. Abstr.) (Fre)
CHILD/ DWARFISM, PITUITARY, drug therapy/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ GEL FILTRATION/ *GONADOTROPINS, PITUITARY, isolation & purification/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, therapeutic use

[Radioimmunoassay of plasma testosterone] Louvet JP, et al. **Ann Biol Clin (Paris)** 31:305-11, 1973 (Eng. Abstr.) (Fre)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/

METHOD SECTION

*RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TRITIUM

[Microassay of serum thyroxine with radioimmunological method] Beckers C, et al.
Ann Endocrinol (Paris) 33:645-50, Nov-Dec 72 (Eng. Abstr.) (Fre)
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ METHODS/ RABBITS/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

[Radioimmunoassays of aldosterone and plasma renin activity. Application to the diagnosis of primary aldosteronism] Corvol P, et al.
Ann Endocrinol (Paris) 34:57-65, Jan-Feb 73 (Eng. Abstr.) (Fre)
*ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ INFUSIONS, PARENTERAL/ MALE/ METHODS/ POSTURE/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM CHLORIDE, diagnostic use

[Extraction and concentration of human plasma calcitonin using coupled antibodies on a solid support] Moukhtar MS, et al.
C R Acad Sci [D] (Paris) 276:3445-8, 25 Jun 73 (Fre)
ANTIBODIES/ CHROMATOGRAPHY/ HUMAN/ IMMUNOGLOBULINS/ METHODS/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ THYROCALCITONIN, isolation & purification

[Pituitary lipotropins (LPH)] Chrétien M, et al.
Union Med Can 102:890-8, Apr 73 (72 ref.) (Eng. Abstr.) (Fre)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD COAGULATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ HYPOCALCEMIA, physiopathology/ LIPIDS, biosynthesis/ LIPOTROPIN, isolation & purification/ LIPOTROPIN, physiology/ LIPOTROPIN, urine/ METHODS/ *PITUITARY HORMONES, ANTERIOR/ RADIOIMMUNOASSAY/ REVIEW/ SHEEP/ SWINE

[Determination of antidiuretic hormone: a major problem in the study of physiopathology] Nawar T, et al.
Union Med Can 102:912-7, Apr 73 (80 ref.) (Eng. Abstr.) (Fre)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *VASOPRESSIN/ VASOPRESSIN, blood/ VASOPRESSIN, urine

[Exact measurement of subnormal renin concentrations in primary aldosteronism using radioimmunologic demonstration of angiotension I] Beckerhoff R, et al.
Verh Dtsch Ges Inn Med 78:1508-10, 1972 (Ger)
ANGIOTENSIN, blood/ HUMAN/ *HYPERALDOSTERONISM, blood/ METHODS/ RADIOIMMUNOASSAY/ *RENIN, blood

[Simple radioimmunologic technic for the determination of urinary aldosterone excretion] Deck KA. **Verh Dtsch Ges Inn Med 78:1605-7, 1972 (Ger)**
*ALDOSTERONE, urine/ HUMAN/ METHODS/ RADIOIMMUNOASSAY

[Functional diagnosis of the hypothalamo-hypophyseal-adrenal system using radioimmunologic ACTH determination] Fehm HL, et al. **Verh Dtsch Ges Inn Med 78:1515-8, 1972 (Ger)**
ADRENAL GLAND DISEASES, blood/ BRAIN DISEASES, blood/ *CORTICOTROPIN, blood/ HUMAN/ HYPOTHALAMUS/ METHODS/ PITUITARY DISEASES, blood/ RADIOIMMUNOASSAY

[Direct radioimmunologic demonstration of plasma aldosterone] Vetter W, et al.
Verh Dtsch Ges Inn Med 78:1513-5, 1972 (Ger)
*ALDOSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ RADIOIMMUNOASSAY

[Oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:227-33, Mar 73 (22 ref.) (Jap)
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX, isolation & purification/ CHROMATOGRAPHY, PAPER/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOTOPE LABELING/ METHODS/ *OXYTOCIN, blood/ OXYTOCIN, isolation & purification/ *RADIOIMMUNOASSAY/ REVIEW

[Prolactin] Kato Y, et al.
Clin Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref.) (Jap)
CROSS REACTIONS/ FEMALE/ HUMAN/ IODINE ISOTOPES/ METHODS/ MICE/ *PROLACTIN, blood/ PROLACTIN, isolation & purification/ PROLACTIN, secretion/ RABBITS/ *RADIOIMMUNOASSAY/ REVIEW

[Cyclic AMP] Okabayashi N.
Clin Endocrinol (Tokyo) 21:287-92, Mar 73 (16 ref.) (Jap)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGENS/ BINDING, COMPETITIVE/ HAPTENS/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ REVIEW/ SERUM ALBUMIN/ SUCCINATES/ TEMPERATURE/ TIME FACTORS/ TRITIUM

[Triiodothyronine] Sakurada T, et al.
Clin Endocrinol (Tokyo) 21:235-43, Mar 73 (Jap)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ HUMAN/ IODINE ISOTOPES/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

[Prostaglandin] Sato K, et al.
Clin Endocrinol (Tokyo) 21:245-9, Mar 73 (Jap)
ANIMAL EXPERIMENTS/ ANTIBODIES/ METHODS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ RABBITS/ *RADIOIMMUNOASSAY/ TRITIUM

[Determination of aldosterone secretion by radioimmunoassay] Takeuchi T, et al.
Clin Endocrinol (Tokyo) 21:439-42, Apr 73 (Jap)
*ALDOSTERONE, secretion/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ SECRETORY RATE

[Radioimmunoassay of sex steroid hormones. I. Radioimmunoassay of estrogens using estrone-17-oxime BSA antibody] Yoshida T, et al.
Clin Endocrinol (Tokyo) 21:541-8, May 73 (Jap)
ANIMAL EXPERIMENTS/ ANTIBODIES/ *ESTROGENS, analysis/ ESTRONE/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

[Radioimmunoassay of gonadal steroid hormones. 2. Radioimmunoassay of estradiol] Yoshida T, et al.
Clin Endocrinol (Tokyo) 21:651-6, Jun 73 (Jap)
*ESTRADIOL, blood/ HUMAN/ MALE/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

[Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Aoki T.
Folia Endocrinol Jap 49:612-8, 20 Mar 73 (Eng. Abstr.) (Jap)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ METHODS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

[Radioimmunoassay of human growth hormone by adsorption to talc] Endo M.
Folia Endocrinol Jap 49:1001-10, 20 Jul 73 (Eng. Abstr.) **(Jap)**
ACROMEGALY, blood/ ADSORPTION/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FASTING/ HORSES, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TALC

[Radioimmunoassay for oxytocin] Iwasaki H.
Folia Endocrinol Jap 49:580-91, 20 Mar 73 (Eng. Abstr.) **(Jap)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *OXYTOCIN, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

[Radioimmunoassay of estrogens] Shoda T.
Folia Endocrinol Jap 49:1011-24, 20 Jul 73 (Eng. Abstr.) **(Jap)**
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ CARRIER PROTEINS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ METHODS/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TESTS/ PUERPERIUM/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ TRITIUM

[New modification of the radioimmunoassay for human prolactin. I] Tamura S, et al.
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Eng. Abstr.) **(Jap)**
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FSH, blood/ GOATS, immunology/ GONADOTROPINS, CHORIONIC/ GUINEA PIGS, immunology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ METHODS/ *PROLACTIN, blood/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SOMATOTROPIN, blood/ SWINE

[Radioimmunoassay for pituitary hormones] Miyai K, et al. **Jap J Clin Pathol** 21:293-7, Apr 73 **(Jap)**
HUMAN/ IODINE ISOTOPES/ METHODS/ *PITUITARY HORMONES, analysis/ *RADIOIMMUNOASSAY/ THYROTROPIN, analysis

[Radioimmunological determination of human luteinizing hormone (HLH), using a double antibody method] Klepsch I, et al.
Stud Cercet Endocrinol 24:335-43, 1973 **(Rum)**
ANTIBODIES/ HUMAN/ IODINE ISOTOPES/ ISOTOPE LABELING/ *LH, analysis/ METHODS/ *RADIOIMMUNOASSAY

[Methods of saturation analysis of cortisol and testosterone guantification] Lee-Benitez D, et al.
Arch Invest Med (Mex) 4:7-20, 1973 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, isolation & purification/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ TRITIUM

STANDARDS

Dextran-coated charcoal technique to make the hormone-free serum as a diluent for standard curve of radioimmunoassay. Ochi Y, et al.
Endocrinol Jap 20:1-7, Feb 73
ADSORPTION/ ANGIOTENSIN, blood/ CHARCOAL/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ DEXTRAN/ GONADOTROPINS, CHORIONIC, blood/ *HORMONES, blood/ HUMAN/ INSULIN, blood/ METHODS/ *RADIOIMMUNOASSAY, standards/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

RADIOISOTOPE DILUTION TECHNIC

In vivo "radioimmunoassay" of aldosterone in rats. Gless KH, et al.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ *ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOTROPIN, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ METHODS/ RADIOIMMUNOASSAY/ RADIOISOTOPE DILUTION TECHNIC/ RATS/ SHEEP, immunology/ TRITIUM

RADIOLIGAND ASSAY

Species differences in luteinizing hormone as infered from slope variations in a radioligand receptor assay. Leidenberger F, et al.
Acta Endocrinol [Suppl] (Kbh) 173:61, 1973
CATTLE/ CHICKENS/ DOGS/ *GONADOTROPINS, CHORIONIC, analysis/ HORSES/ HUMAN/ IODINE ISOTOPES/ *LH, analysis/ MALE/ METHODS/ MONKEYS/ RABBITS/ RADIOLIGAND ASSAY/ RATS/ RECEPTORS, HORMONE/ SHEEP/ SPECIES SPECIFICITY/ SWINE/ TESTIS/ TISSUE EXTRACTS

Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Leyendecker G, et al.
Acta Endocrinol [Suppl] (Kbh) 173:62, 1973
ALBUMINS/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IODINE ISOTOPES/ *LH, analysis/ METHODS/ OVARY/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ TISSUE EXTRACTS

Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone. Schams D, et al.
Acta Endocrinol [Suppl] (Kbh) 173:60, 1973
CATTLE/ CORPUS LUTEUM/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IODINE ISOTOPES/ KIDNEY/ *LH, analysis/ LIVER/ MALE/ METHODS/ RADIOLIGAND ASSAY/ RATS/ SHEEP/ TESTIS/ TISSUE EXTRACTS

SECRETORY RATE

[Determination of aldosterone secretion by radioimmunoassay] Takeuchi T, et al.
Clin Endocrinol (Tokyo) 21:439-42, Apr 73 **(Jap)**
*ALDOSTERONE, secretion/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ SECRETORY RATE

SPECTROPHOTOMETRY, ULTRAVIOLET

Enzyme modulation as an approach to clinical analysis: investigations on the feasibility on the method and the problems encountered. Comerton A, et al.
FEBS Lett 33:301-4, 15 Jul 73
CATTLE/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, urine/ ESTRIOL, pharmacodynamics/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, pharmacodynamics/ ESTRONE, urine/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GLUTAMATE DEHYDROGENASE, antagonists & inhibitors/ *GLUTAMATE DEHYDROGENASE, metabolism/ HUMAN/ KINETICS/ LIVER, enzymology/ METHODS/ PREGNANCY/ PREGNANEDIOL, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ URATE OXIDASE/ URIC ACID, pharmacodynamics

Determination of dienestrol in pharmaceuticals.

Graham JH, et al.
J Assoc Off Anal Chem 55:190-3, Jan 72
ALKENES, analysis/ CHROMATOGRAPHY/ *ESTROGENS, analysis/ EVALUATION STUDIES/ ISOMERISM/ METHODS/ OINTMENTS, analysis/ *PHENOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TABLETS, analysis

SPECTRUM ANALYSIS

The production of catecholamine-containing cells in vitro by young chick embryos studies by the histochemical fluorescence method. Bjerre B.
J Anat 115:119-31, May 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, secretion/ *CENTRAL NERVOUS SYSTEM, embryology/ CENTRAL NERVOUS SYSTEM, secretion/ CHICK EMBRYO/ DISSECTION/ *GANGLIA, embryology/ GANGLIA, secretion/ HISTOCYTOCHEMISTRY/ IN VITRO/ METHODS/ MICROSCOPY, FLUORESCENCE/ SPECTRUM ANALYSIS/ TIME FACTORS

[Modification of Van der Vies' method for the determination of cortisol in human plasma] Háčik T, et al.
Bratisl Lek Listy 60:175-81, Aug 73 (Eng. Abstr.) (Slo)
ADULT/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *SPECTRUM ANALYSIS

INSTRUMENTATION

Design, construction, and two applications for an automated flow-cell polarization fluorometer with digital read out: enzyme-inhibitor (antitrypsin) assay and antigen-antibody (insulin-insulin antiserum) assay. Spencer RD, et al. **Clin Chem** 19:838-44, Aug 73
ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ CASEIN/ CHEMISTRY/ FLUORESCEINS/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY, instrumentation/ GUINEA PIGS, immunology/ IMMUNOASSAY/ *INSULIN, analysis/ *INSULIN ANTIBODIES, analysis/ MATHEMATICS/ METHODS/ SOY BEANS/ *SPECTRUM ANALYSIS, instrumentation/ SWINE/ *TRYPSIN INHIBITORS, blood

AUTHOR SECTION

A

1. **Abboud I, Massoud WH:** Effect of biephamide in blepharitis. Bull Ophthalmol Soc Egypt 65:539-43, 1972
ADULT/ BLEPHARITIS, drug therapy/ FEMALE/ HUMAN/ INFANT/ MALE/ *PHENYLEPHRINE, therapeutic use/ *PREDNISOLONE, TOPICAL, therapeutic use/ *SULFACETAMIDE, therapeutic use

2. **Abdel-Kader MM, Abdel Aziz MT, Gobba S, et al:** Biochemical and endocrinological studies in parasite-infested patients with and without infantilism.
Acta Paediatr Acad Sci Hung 13:359-65, 1972
ADOLESCENCE/ ADULT/ BLOOD SUGAR/ CHILD/ CORTICOTROPIN, diagnostic use/ ESTROGENS, urine/ GONADOTROPINS, urine/ GROWTH DISORDERS, etiology/ HEPATOMEGALY, etiology/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOGLYCEMIA, chemically induced/ *INFANTILISM, etiology/ 17-KETOSTEROIDS, urine/ *LIVER DISEASES, PARASITIC, complications/ LIVER FUNCTION TESTS/ MALE/ MENTAL RETARDATION, etiology/ MIDDLE AGE/ NUTRITION DISORDERS, etiology/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL SYSTEM/ *SCHISTOSOMIASIS, complications/ SPLENOMEGALY, etiology/ STIMULATION, CHEMICAL

3. **Abe K:** Concentration of (14 C) aldosterone by various tissues in pregnant rats. J Endocrinol 56:611-2, Mar 73
*ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, metabolism/ FEMALE/ FETUS, metabolism/ HYPOTHALAMUS, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS

4. **Abe Y, Okahara T, Kishimoto T, et al:** Relationship between intrarenal distribution of blood flow and renin secretion. Am J Physiol 225:319-23, Aug 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DOGS/ *KIDNEY, blood supply/ KIDNEY, drug effects/ KIDNEY, secretion/ KIDNEY CORTEX, blood supply/ REGIONAL BLOOD FLOW/ REGIONAL BLOOD FLOW, drug effects/ RENAL ARTERY, physiology/ *RENIN, secretion

5. **Abel M, Smith GW, Nathanielsz PW:** Prostaglandin-induced parturition in the rabbit; quantitative aspects of the route and duration of administration. J Endocrinol 58:xvi, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ GESTATIONAL AGE/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ RABBITS

6. **Abell E, Samman PD:** Intradermal triamcinolone treatment of nail dystrophies.
Br J Dermatol 89:191-7, Aug 73
ADOLESCENCE/ ADULT/ AGED/ ALOPECIA, complications/ CHILD/ DIATRIZOATE/ FEMALE/ HUMAN/ INJECTIONS, INTRADERMAL/ LICHEN PLANUS, complications/ MALE/ MIDDLE AGE/ *NAILS, MALFORMED, drug therapy/ NAILS, MALFORMED, radiography/ PSORIASIS, complications/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, therapeutic use

7. **Aberg B:** Hypotalamushormon.
Sven Tandlak Tidskr 66:315-7, May 73 (Swe)
GOATS/ HUMAN/ *HYPOTHALAMUS, physiology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, physiology

8. **Abraham F, Bryant H, Mettler M, et al:** Spectrum and discriminant analyses reveal remote rather than local sources for hypothalamic EEG: could waves affect unit activity?. Brain Res 49:349-66, 30 Jan 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CATS/ COMPUTERS, DIGITAL/ ELECTRODES, IMPLANTED/ *ELECTROENCEPHALOGRAPHY/ FEMALE/ FOURIER ANALYSIS/ *HYPOTHALAMUS, physiology/ PATTERN RECOGNITION

9. **Abrahamsson L, Haagenrud A, Hackl H, et al:** Hormoneller Ausscheidungsmodus und Hormoneffekte von 1-alpha-Methyl-5-alpha-androstan-17-beta-ol-3-on (Mesterolon) bei der Frau.
Arch Gynaekol 215:157-69, 25 Jun 73 (Ger)
ADULT/ ANDROSTANES, metabolism/ *ANDROSTANES, pharmacodynamics/ *ANDROSTERONE, urine/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FSH, urine/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ KETONES, metabolism/ *KETONES, pharmacodynamics/ *17-KETOSTEROIDS, urine/ LH, urine/ MALE/ MENSTRUATION, drug effects/ METHYLATION/ MIDDLE AGE/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ UTERUS, drug effects

10. **Abramovich DR, Rowe P:** Foetal plasma testosterone levels at mid-pregnancy and at term: relationship to foetal sex. J Endocrinol 56:621-2, Mar 73
FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ MALE/ PREGNANCY/ SEX FACTORS/ *TESTOSTERONE, blood/ UMBILICAL CORD

11. **Abramovici I, Czernobilsky B:** [Lymphosarcoma of the testis] Harefuah 84:595-7, 1 Jun 73 (Heb)
AGED/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOSARCOMA, pathology/ MALE/ *TESTICULAR NEOPLASMS, pathology

12. **Abrams GM, Larsen PR:** Triiodothyronine and thyroxine in the serum and thyroid glands of iodine-deficient rats. J Clin Invest 52:2522-31, Oct 73
ANIMAL EXPERIMENTS/ IMMUNOASSAY/ *IODINE, metabolism/ IODINE ISOTOPES/ KINETICS/ MALE/ ORGAN WEIGHT/ PRONASE/ RATS/ *THYROID GLAND, analysis/ THYROID GLAND, metabolism/ *THYROXINE/ THYROXINE, analysis/ THYROXINE, blood/ THYROXINE, metabolism/ TIME FACTORS/ *TRIIODOTHYRONINE/ TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, metabolism/ TYROSINE

13. **Abrams RM, Thatcher WW, Bazer FW, et al:** Effect of estradiol-17beta on vaginal thermal conductance in cattle. J Dairy Sci 56:1058-62, Aug 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *HEAT/ INJECTIONS, INTRAVENOUS/ *PHYSICS/ REGIONAL BLOOD FLOW/ THERMAL CONDUCTIVITY/ VAGINA, blood supply/ *VAGINA, drug effects/ VAGINA, physiology

14. **Abu-Dalu L, Urca I:** Torsion du testicule ectopique.
Helv Chir Acta 40:413-6, Jun 73 (Fre)
ADOLESCENCE/ ADULT/ CHILD/ *CRYPTORCHISM, complications/ CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SPERMATIC CORD TORSION, complications/ SPERMATIC CORD TORSION, surgery

15. **Acher A, Chauvet J, Chauvet MT:** Neurohypophysial hormones and evolution of tetrapods.
Nature [New Biol] 244:124-6, 25 Jul 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ EVOLUTION/ *MAMMALS/ MONOTREMATA/ OXYTOCIN, isolation &

purification/ PITUITARY GLAND, POSTERIOR, analysis/ PITUITARY HORMONES, POSTERIOR, analysis/ *PITUITARY HORMONES, POSTERIOR, isolation & purification/ VASOPRESSIN, isolation & purification

16. **Achtelik W, Belka-Grzybek A:** Histochemical investigations on the mouse suprarenal gland in the process of regeneration. I. Behaviour of acid phosphatase (AP-ase), E-600 resistant esterase and acid desoxyribonuclease (DNA-se II).
Folia Biol (Krakow) 20:293-305, 1972
*ACID PHOSPHATASE, metabolism/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, pathology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *DEOXYRIBONUCLEASE, metabolism/ *ESTERASES, metabolism/ MALE/ MICE/ *REGENERATION/ TEMPERATURE/ TIME FACTORS

17. **Achtelik W, Belka-Grzybek A:** Histochemical investigations on the mouse suprarenal gland in the process of regeneration. II. Behaviour of adenosinotriphosphatase (ATP-ase) and alkaline phosphatase (ALP-ase).
Folia Biol (Krakow) 20:307-14, 1972
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ MALE/ MICE/ *REGENERATION/ TIME FACTORS

18. **Acosta AA, Buttram VC Jr, Besch PK, et al:** A proposed classification of pelvic endometriosis.
Obstet Gynecol 42:19-25, Jul 73
ADULT/ CLOMIPHENE, therapeutic use/ *ENDOMETRIOSIS, classification/ ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, drug therapy/ ENDOMETRIOSIS, pathology/ ENDOMETRIOSIS, surgery/ FEMALE/ HUMAN/ *PELVIC NEOPLASMS, classification/ PELVIC NEOPLASMS, complications/ PELVIC NEOPLASMS, drug therapy/ PELVIC NEOPLASMS, pathology/ PELVIC NEOPLASMS, surgery/ PREGNANCY/ STERILITY, FEMALE, etiology/ TIME FACTORS

19. **Acs Z, Stark E:** The role of transcortin in the distribution of corticosterone in the rat.
Horm Metab Res 5:279-82, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ *CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ CORTICOTROPIN, pharmacodynamics/ HALF-LIFE/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PROTEIN BINDING/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS/ *TRANSCORTIN, metabolism/ TRANSCORTIN, pharmacodynamics/ TRITIUM

20. **Adachi K, Takayasu S:** The mechanisms of testosterone action of the sebaceous glands of the Syrian hamster.
Adv Biol Skin 12:381-401, 1972 (26 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ ESTRADIOL, metabolism/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HAMSTERS/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ KINETICS/ LACTATES, biosynthesis/ ORGAN WEIGHT/ PROTEINS, metabolism/ RECEPTORS, DRUG/ REVIEW/ *SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, enzymology/ STANOLONE, metabolism/ TESTIS, physiology/ TESTOSTERONE, metabolism/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM

21. **Adadevoh BK, Asuni T:** The nyctohemeral rhythm of plasma cortisol in mental illness in Nigerians.
Br J Psychiatry 123:107-8, Jul 73
ADOLESCENCE/ ADULT/ AGED/ CIRC RHYTHM/ DEPRESSION, blood/ FEMA HUMAN/ *HYDROCORTISONE, blood/ *MENTAL DISORDERS, blood/ MIDDLE NIGERIA/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, PARANOID, blood

22. **Adam GS:** Gynaecology in general practi
Med J Aust 2:130-2, 21 Jul 73
ADENOCARCINOMA, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ BACI diagnosis/ CERVIX NEOPLASMS, diagn CHILD/ CYTODIAGNOSIS/ DIAGNOSIS, DIFFERENTIAL/ DYSMENORRHEA, dr therapy/ DYSPAREUNIA, diagnosis/ FE GENERAL PRACTICE/ *GYNECOLOGIC DISEASES/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ MIDDLE AGE/ therapy/ PELVIS/ PHYSICAL EXAMIN PROGESTATIONAL HORMONES, therap use/ PRURITUS VULVAE, etiology/ UT HEMORRHAGE, diagnosis/ UTERINE NEOPLASMS, diagnosis

23. **Adams PH, Hill LF, Wain D:** The control on i calcium absorption in accelerated and r growth. Clin Sci 44:4P passim, Feb 73
ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, DIE metabolism/ *GROWTH DISORDERS, metabolism/ *INTESTINAL ABSORPTIO NUTRITION DISORDERS, metabolism/

24. **Adcock EW 3d, Teasdale T, August CS, et al:** chorionic gonadotropin: its possible role in r lymphocyte suppression. Science 181:845-7, 3
FEMALE/ FETUS, immunology/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ LYMPHOCYTE TRANSFORMATION, dr effects/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ PLANT AGGLUTININS, pharmacodynamics/ PREGNANCY/ THYMIDINE, metabolism TRITIUM

25. **Adebonojo FO:** Dysplasia of the anterior ab musculature with multiple congenital an Prune belly or triad syndrome.
J Natl Med Assoc 65:327-33, Jul 73
*ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, MULTIPLE/ FEMAL HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ SYNDROME/ *TESTIS, abnormalities/ *UROGENITAL SYSTEM, abnormalities

26. **Adedugbe AA:** Craniopharyngioma in a 25 y Nigerian woman; a case study.
Niger Nurse 5:14-8, Jan-Mar 73
BRAIN NEOPLASMS, surgery/ CRANIOPHARYNGIOMA, surgery/ POSTOPERATIVE CARE/ SPECIAL LIS NURSING

27. **Adelman RC:** Control of hepatic fructose-metal enzymes: fructokinase, aldolase and triok
Acta Med Scand [Suppl] 542:47-56, 1972 (7
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ALDOL antagonists & inhibitors/ *ALDOLASE, metabolism/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ C TRANSFORMATION, NEOPLASTIC/ DIE *FRUCTOSE, metabolism/ *LIVER, enzymology/ LIVER NEOPLASMS, enzym MAGNESIUM, pharmacodynamics/ *PHOSPHOTRANSFERASES, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ REVIEW/ STIMULATION, CHEMICAL

28. **Adessi G, Eichenberger D, Goutte C, et al:** chromatography technique for rapid determina

urinary estriol during pregnancy.
Clin Chim Acta 45:369-74, 30 May 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ GLUCOSE/ GLUCURONIDASE/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ SNAILS, enzymology/ TIME FACTORS

9. **Adlercreutz H, Ervast HS, Tenhunen A, et al:** Gas chromatographic and mass spectrometric studies on oestrogens in bile. I. Pregnant women.
Acta Endocrinol (Kbh) 73:543-54, Jul 73
ADULT/ *BILE, analysis/ BILE DUCTS/ CHROMATOGRAPHY, GAS/ DUODENUM/ ESTRADIOL, analysis/ ESTRANES, analysis/ ESTRIOL, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ GALLBLADDER/ HUMAN/ INTUBATION, GASTROINTESTINAL/ 17-KETOSTEROIDS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ *PREGNANCY/ STEROLS, analysis

0. **Adlercreutz H, Hekali R, Wahlroos O:** New urinary steroid in hypertension. Br Med J 3:499, 1 Sep 73
CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ *HYPERTENSION, urine/ KETOSTEROIDS, urine/ MASS SPECTRUM ANALYSIS/ *STEROIDS, urine

1. **Adlkofer F, Armbrecht U, Schleusener H:** Lecithin-cholesterol-acyltransferase (LCAT) activity in hyper- and hypothyroidism.
Acta Endocrinol [Suppl] (Kbh) 173:143, 1973
*ACYLTRANSFERASES, blood/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHOLESTEROL/ HUMAN/ *HYPERTHYROIDISM, enzymology/ *HYPOTHYROIDISM, enzymology/ LECITHINS

2. **Adlkofer F, Schleusener H, Uher L, et al:** Heterogeneity of long acting thyroid stimulating (LATS)-activity, thyroglobulin antibodies and thyroid microsomal antibodies. Acta Endocrinol (Kbh) 73:483-8, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ *GOITER, EXOPHTHALMIC, blood/ HEMAGGLUTINATION TESTS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, blood/ METHODS/ MICE/ MICROSOMES, immunology/ *THYROGLOBULIN, blood/ THYROID GLAND, immunology

3. **Adrich S:** Ursachen und Häufigkeit der Zwickenbildung (Freemartinismus) bei Haustieren.
Dtsch Tieraerztl Wochenschr 80:408-10 contd, 1 Sep 73 (Ger)
ANIMAL EXPERIMENTS/ CATS/ CATTLE/ CATTLE DISEASES, etiology/ FEMALE/ *FREEMARTINISM, etiology/ GOATS/ HORSE DISEASES, etiology/ HORSES/ MALE/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, complications/ SEX CHROMOSOME ABNORMALITIES, veterinary/ SHEEP/ SWINE/ SWINE DISEASES, etiology

4. **Aebert K:** Muskelrelaxation mit Pancuronium; eine elektromyographische Studie.
Z Prakt Anaesth 7:194-203, Aug 72 (Ger)
ANDROSTANES, antagonists & inhibitors/ *ANDROSTANES, pharmacodynamics/ ANESTHESIA, GENERAL/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ CURARE-LIKE AGENTS, antagonists & inhibitors/ *CURARE-LIKE AGENTS, pharmacodynamics/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ *MUSCLES, drug effects/ PANCURONIUM, pharmacodynamics/ REFLEX, drug effects/ TIME FACTORS

5. **Aertgeerts J, Dohn W, Johne H, et al:** Doppelblindversuch mit zwei lokal applizierten Corticoidpräparaten zur Ekzembehandlung.
Med Monatsschr 27:129-31, Mar 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ *ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ *ECZEMA, drug therapy/ FEMALE/ HEXEDINE, therapeutic use/ HUMAN/ *IMIDAZOLES, therapeutic use/ MALE/ MIDDLE AGE/ *NANDROLONE, therapeutic use

6. **Afinogenova SA, Kolesnikova GS:** Gidroksilirovanie progesterona i pregnenolona v mitokhondriiakh nadpochechnikov svinei.
Probl Endokrinol (Mosk) 19:66-70, May-Jun 73 (Rus)
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DEHYDROEPIANDROSTERONE, analysis/ ENGLISH ABSTRACT/ 11-HYDROXYCORTICOSTEROIDS, analysis/ HYDROXYLATION/ HYDROXYPREGNENOLONE, analysis/ HYDROXYPROGESTERONE, analysis/ METHODS/ *MITOCHONDRIA, metabolism/ PREGNENOLONE, analysis/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ SWINE, metabolism

7. **Agarwal RA, Ligon PJ, Greenberg MJ:** The distribution of cardioactive agents among molluscan species and tissues. Comp Gen Pharmacol 3:249-60, Sep 72
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD/ DEPRESSION, CHEMICAL/ FLUORESCENCE SPECTROMETRY/ FOOT/ FREEZE DRYING/ GANGLIA, analysis/ GEL FILTRATION/ GILLS/ HEART/ HEART, drug effects/ HEART RATE, drug effects/ IN VITRO/ METHYSERGIDE, pharmacodynamics/ *MOLLUSCA, analysis/ *NEUROHUMORS, analysis/ NEUROHUMORS, pharmacodynamics/ OCTOPUS/ QUINONES, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ TISSUE EXTRACTS

8. **Agüero O, Kizer S, Pinedo G:** Hydatidiform mole in Concepcion Palacios Maternity Hospital.
Am J Obstet Gynecol 116:1117-20, 15 Aug 73
ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ BRAZIL/ CELL TRANSFORMATION, NEOPLASTIC/ CHILE/ CHORIOCARCINOMA, diagnosis/ COLOMBIA/ CURETTAGE/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GESTATIONAL AGE/ HOSPITALS, SPECIAL/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ *HYDATIDIFORM MOLE, occurrence/ MEXICO/ MIDDLE AGE/ PRECANCEROUS CONDITIONS/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ SOCIOECONOMIC FACTORS/ UTERINE DISEASES, therapy/ VENEZUELA

9. **Ahlers I, Ahlersová E, Sedláková A, et al:** Metabolicheskie izmeneniia lipidov posle dlitel'nogo gamma-obluchenila krys.
Radiobiologiia 13:116-9, Jan-Feb 73 (Rus)
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ LIPIDS, blood/ *LIPIDS, metabolism/ LIVER, metabolism/ MALE/ MYOCARDIUM, metabolism/ *RADIATION INJURIES, EXPERIMENTAL, metabolism/ RATS/ THYMUS GLAND, metabolism

0. **Ahlskog JE, Hoebel BG:** Overeating and obesity from damage to a noradrenergic system in the brain.
Science 182:166-9, 12 Oct 73
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, etiology/ *APPETITE REGULATION/ BODY WEIGHT/ CATECHOLAMINES, analysis/ DENERVATION/ DESIPRAMINE, pharmacodynamics/ DEXTRO AMPHETAMINE, pharmacodynamics/ DRINKING/ *EATING/ FEMALE/ HYDROXYDOPAMINE, antagonists & inhibitors/

HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MESENCEPHALON, drug effects/ *MESENCEPHALON, physiology/ MICROSCOPY, FLUORESCENCE/ OBESITY, etiology/ RATS

41. **Ahtee L, Eriksson K:** 5-Hydroxytryptamine and 5-hydroxyindolylacetic acid content in brain of rat strains selected for their alcohol intake.
Physiol Behav 8:123-6, Jan 72
*ALCOHOL DRINKING/ ALCOHOLISM/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ DISEASE MODELS, ANIMAL/ DRINKING/ DRUG ADDICTION/ GENETICS, BEHAVIORAL/ HOUSING, ANIMAL/ HYDROXYINDOLEACETIC ACID, analysis/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ PROBENECID, pharmacodynamics/ RATS/ SELECTION (GENETICS)/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ WATER

42. **Ahtee L, Saarnivaara L:** The effect of narcotic analgesics on the uptake of 5-hydroxytryptamine and (-)-metaraminol by blood platelets.
Br J Pharmacol 47:808-18, Apr 73
ALPHAPRODINE, pharmacodynamics/ ANILERIDINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CYCLAZOCINE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ HUMAN/ IN VITRO/ METARAMINOL, antagonists & inhibitors/ *METARAMINOL, metabolism/ METHADONE, pharmacodynamics/ MORPHINE, pharmacodynamics/ NALORPHINE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ PENTAZOCINE, pharmacodynamics/ PROPOXYPHENE, pharmacodynamics/ RABBITS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ TRITIUM

43. **Aicardi J:** The problem of the Lennox syndrome.
Dev Med Child Neurol 15:77-80, Feb 73
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ BENZAZEPINES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeutic use/ *ELECTROENCEPHALOGRAPHY/ EPILEPSY, PETIT MAL, classification/ EPILEPSY, PETIT MAL, diagnosis/ EPILEPSY, PETIT MAL, drug therapy/ *EPILEPSY, PETIT MAL, physiopathology/ HUMAN/ MENTAL RETARDATION, etiology/ RECURRENCE/ SLEEP

44. **Aitchison J, Moore MF, West SA, et al:** Consistency of treatment allocation in thyrotoxicosis.
Q J Med 42:575-83, Jul 73
AGED/ DECISION MAKING/ FACTOR ANALYSIS, STATISTICAL/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ IODINE ISOTOPES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ MODELS, THEORETICAL/ PROTEIN-BOUND IODINE TEST

45. **Aitken JM, Newton DA, Hall PE, et al:** The corticoid, insulin and growth hormone responses to intravenous fructose in men and women.
Acta Med Scand [Suppl] 542:165-72, 1972
*ADRENAL CORTEX HORMONES, blood/ ADULT/ AGED/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ FEMALE/ FRUCTOSE, administration & dosage/ *FRUCTOSE, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ MALE/ MIDDLE AGE/ OBESITY, metabolism/ SEX FACTORS/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS

46. **Akhtar M, Young I:** Measles giant cell pneumo
adult following long-term chemotherapy.
Arch Pathol 96:145-8, Sep 73
AGED/ AUTOPSY/ *BUSULFAN, adver
effects/ BUSULFAN, therapeutic use/
NUCLEUS/ CHROMATIN/ DIAGNOSIS,
DIFFERENTIAL/ ENDOTHELIUM, path
FEMALE/ HUMAN/ LEUKEMIA,
MYELOCYTIC, drug therapy/ LONG T
CARE/ LUNG, pathology/ *MEASLES,
chemically induced/ MICROSCOPY,
ELECTRON/ PNEUMONIA, INTERSTITI
PLASMA CELL, pathology/ *PNEUMON
VIRAL, chemically induced/ PNEUMON
VIRAL, pathology/ *PREDNISONE, adv
effects/ PREDNISONE, therapeutic use/
PULMONARY ALVEOLI, pathology/
PULMONARY FIBROSIS, pathology

47. **Akiskal HS, McKinney WT Jr:** Depressive di
toward a unified hypothesis.
Science 182:20-9, 5 Oct 73 (91 ref.)
AGE FACTORS/ ANIMAL EXPERIMEN
ANXIETY, SEPARATION, complications
BEHAVIOR, ANIMAL, drug effects/
BIOGENIC AMINES, metabolism/
CONDITIONING, OPERANT/ *DEPRESS
DEPRESSION, etiology/ DEPRESSION,
& genetic/ DEPRESSION, metabolism/
*DISEASE MODELS, ANIMAL/ DOGS/
FEMALE/ HUMAN/ HYDROXYDOPAMI
pharmacodynamics/ *MACACA/ METHY
pharmacodynamics/ MONKEYS/
NOREPINEPHRINE, metabolism/ RATS/
REINFORCEMENT (PSYCHOLOGY)/
RESERPINE, pharmacodynamics/ REVIE
SEROTONIN, metabolism/ STRESS,
PSYCHOLOGICAL

48. **Aksoy M, Camli N, Dinçol K, et al:** On the pro
"rib-within-a-rib" appearance in thalasse
intermedia. Radiol Clin Biol 42:126-33, 1
ADULT/ AGE FACTORS/ CHILD/ FEM
HEMATOPOIESIS/ HEMOGLOBINOMETR
HUMAN/ *OSTEOPOROSIS, etiology/ RI
RIBS, pathology/ *RIBS, radiography/ S
radiography/ *THALASSEMIA, complicat

49. **Alabaster VA, Bakhle YS:** The removal
noradrenaline in the pulmonary circulation
isolated lungs. Br J Pharmacol 47:325-31,
ANIMAL EXPERIMENTS/ AORTA, drug
effects/ COCAINE, pharmacodynamics/
IN VITRO/ *LUNG, metabolism/
METARAMINOL, pharmacodynamics/ MU
CONTRACTION, drug effects/
NOREPINEPHRINE, antagonists & inhib
*NOREPINEPHRINE, metabolism/
NOREPINEPHRINE, pharmacodynamics/
NORMETANEPHRINE, pharmacodynamics
PHENOXYBENZAMINE, pharmacodynami
PHENTOLAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
PULMONARY ARTERY/ *PULMONARY
CIRCULATION/ RABBITS/ RATS/
SEROTONIN, metabolism/ SEROTONIN,
pharmacodynamics/ SPLEEN, drug effec

50. **Alaghband-Zadeh J, Daly JR, Tunbridge RD,**
Methodological refinements in the redox bioa
adrenocorticotrophin. J Endocrinol 58:xix,
ADRENAL GLANDS, metabolism/ ANIM
EXPERIMENTS/ *BIOLOGICAL ASSAY/
*CORTICOTROPIN, analysis/ DENSITOM
IN VITRO/ METHODS/
OXIDATION-REDUCTION/ STAINS AND
STAINING

51. **Albano JD, Brown BL, Ekins RP, et al:** The ef
increased K+ concentration and serotonin o
AMP and corticosterone output by dispersed
zona glomerulosa cells. J Endocrinol 58:xi,
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, biosynthesis/ ADRE
GLANDS, cytology/ *ADRENAL GLANDS
drug effects/ ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
SEPARATION/ *CORTICOSTERONE,
biosynthesis/ IN VITRO/ *POTASSIUM,

pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics

2. **Albin J, Vittek J, Gordon GG, et al:** On the mechanism of the anti-androgenic effect of medroxyprogesterone acetate.
Endocrinology 93:417-22, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ ENZYME INDUCTION, drug effects/ IN VITRO/ LIVER, enzymology/ MALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ OXIDOREDUCTASES, metabolism/ *PROSTATE, drug effects/ PROSTATE, enzymology/ PROSTATE, metabolism/ RATS/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ TRITIUM

Albores Saavedra J, Alcantara VAZQUEZ, A, et al: Carcinoma anaplásico de celulas fusiformes y gigantes del tiroides. Estudio de 63 casos.
Prensa Med Mex 37:421-9, Nov-Dec 72 (Spa)
ADULT/ AGED/ *CARCINOMA/ CARCINOMA, pathology/ CARCINOMA, surgery/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ THYROID GLAND, pathology/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

Albro PW, Thomas RO, Fishbein L: Increased sensitivity to egg albumin in rats fed pristane.
J Allergy Clin Immunol 52:85-93, Aug 73
*ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ BODY TEMPERATURE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ *HYDROCARBONS/ *HYPERSENSITIVITY/ LIVER, immunology/ LYMPH NODES, immunology/ *OVALBUMIN/ RATS/ SEROTONIN/ SPLEEN, immunology

Albu S, Berariu T, Moraru E, et al: Atitudinea terapeutica in socul toxicoseptic.
Chirurgia (Bucur) 21:465-8, May 72 (Rum)
*ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ ERGOT ALKALOIDS, HYDROGENATED, therapeutic use/ HUMAN/ HYPOTENSION, therapy/ *SHOCK, TOXIC, therapy/ WATER-ELECTROLYTE BALANCE

Alcock NW, Shils ME, Lieberman PH, et al: Thymic changes in the magnesium-depleted rat.
Cancer Res 33:2196-204, Sep 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HYPERCALCEMIA, etiology/ KIDNEY, metabolism/ LEUKOCYTOSIS, etiology/ MAGNESIUM, blood/ *MAGNESIUM DEFICIENCY, complications/ MALE/ MICROSCOPY, ELECTRON/ RATS/ SPLENOMEGALY, etiology/ THYMUS GLAND, pathology/ *THYMUS HYPERPLASIA, etiology/ THYMUS HYPERPLASIA, metabolism/ THYMUS HYPERPLASIA, pathology/ TIME FACTORS

Alfano JA, Elliott WB, Brownie AC: The effect of bee venom on serum corticosterone levels and adrenal mitochondrial cytochrome P-450 in intact and hypophysectomized rats. Toxicon 11:101-2, Jan 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *BEES/ *CORTICOSTERONE, blood/ *CYTOCHROME P-450, metabolism/ FEMALE/ HYPOPHYSECTOMY/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, enzymology/ *PITUITARY GLAND, physiology/ PREGNENOLONE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SPECTRUM ANALYSIS/ *VENOMS, pharmacodynamics

Alicicco E, Franchi F, Barletta D, et al: A study of the urinary LH concentration in normal men and in men suffering from primary and secondary hypogonadism (statistical analysis of the results).
Folia Endocrinol (Roma) 26:165-74, Jun 73
ADULT/ CELL COUNT/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ HYPOGONADISM, immunology/ *HYPOGONADISM, urine/ 17-KETOSTEROIDS, urine/ *LH, urine/ MALE/ SPERMATOZOA/ TESTOSTERONE, blood/ TESTOSTERONE, urine

59. **Alken CE, Dhom G, Straube W, et al:** Therapie des Prostata-Careinoms und Verlaufskontrolle (II.
Urologe [A] 12:191-7, Jul 73 (Ger)
ADENOCARCINOMA, pathology/ AGED/ CARCINOMA, drug therapy/ CARCINOMA, pathology/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, therapy/ CASTRATION/ ENGLISH ABSTRACT/ ESTRADIOL, therapeutic use/ EVALUATION STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy

60. **Allen JP, Cook DM, Kendall JW, et al:** Maternal-fetal ACTH relationship in man.
J Clin Endocrinol Metab 37:230-4, Aug 73
AMNIOTIC FLUID, analysis/ ANENCEPHALUS, blood/ ANTIGENS, analysis/ BLOOD/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, blood/ CROSS REACTIONS/ FEMALE/ FETUS/ HUMAN/ IODINE ISOTOPES/ KLINEFELTER'S SYNDROME, blood/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RABBITS, immunology/ UMBILICAL CORD

61. **Allin JT, Banks EM:** Functional aspects of ultrasound production by infant albino rats (Rattus norvegicus).
Anim Behav 20:175-85, Feb 72
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ AUDITORY PERCEPTION/ FEMALE/ HOUSING, ANIMAL/ LACTATION/ LOCOMOTION/ MALE/ *MATERNAL BEHAVIOR/ MOTOR ACTIVITY/ NESTING BEHAVIOR/ NOISE/ *ORIENTATION/ PARITY/ PREGNANCY/ *RATS, physiology/ SEX FACTORS/ TAPE RECORDING/ *ULTRASONICS/ *VOCALIZATION, ANIMAL

62. **Almeida JF de:** Endocrinologia e odontologia.
Rev Assoc Paul Cir Dent 27:94-102, Mar-Apr 73 (Por)
ENDOCRINE DISEASES, diagnosis/ ENGLISH ABSTRACT/ ORAL MANIFESTATIONS/ SPECIAL LIST DENTAL

63. **Almgren O, Jonason J:** The effect of corticosterone on extraneuronal amine uptake and effector response in rat salivary glands.
J Pharm Pharmacol 25:537-43, Jul 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, pharmacodynamics/ DIBENZOCYCLOHEPTENES, pharmacodynamics/ DRUG SYNERGISM/ MALE/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects/ *SUBMANDIBULAR GLAND, drug effects/ SUBMANDIBULAR GLAND, innervation/ SUBMANDIBULAR GLAND, secretion/ TRITIUM

64. **Aloia JF:** Phenmetrazine in diabetes insipidus.
Lancet 2:501-2, 1 Sep 73
ADULT/ *DIABETES INSIPIDUS, drug therapy/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ *PHENMETRAZINE, therapeutic use/ POLYURIA, drug therapy/ SODIUM, blood/ THIRST, drug effects/ URINE

65. **Alonso A, Varela MR:** Reactividad cutánea a diversos mediadores químicos en pacientes alérgicos y no alérgicos. Alergia 20:233-9, May 73 (Spa)
BRADYKININ, diagnostic use/ *DRUG HYPERSENSITIVITY, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HISTAMINE, diagnostic

use/ HUMAN/ *HYPERSENSITIVITY, IMMEDIATE, diagnosis/ MALE/ METHODS/ SEROTONIN, diagnostic use/ SKIN TESTS

66. **Alpert JS, Haynes FW, Knutson PA, et al:** Prostaglandins and the pulmonary circulation. Prostaglandins 3:759-65, Jun 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD VOLUME, drug effects/ CARDIAC OUTPUT, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ FEMORAL ARTERY/ HEART ATRIUM/ HEMODYNAMICS, drug effects/ INJECTIONS, INTRA-ARTERIAL/ LUNG COMPLIANCE, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PULMONARY ARTERY/ *PULMONARY CIRCULATION, drug effects/ STIMULATION, CHEMICAL

67. **Alsac J, Guay JM, Paquet E:** Le syndrome de sténose aortique supra-valvulaire retard mental et faciès particulier.
Arch Mal Coeur 66:765-73, Jun 73 (Fre)
ABNORMALITIES, MULTIPLE/ *AORTIC VALVE STENOSIS, congenital/ AORTIC VALVE STENOSIS, diagnosis/ AORTOGRAPHY/ CASE REPORT/ CHILD/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ *FACE, abnormalities/ HEART CATHETERIZATION/ HUMAN/ HYPERCALCEMIA, familial & genetic/ MALE/ *MENTAL RETARDATION/ SYNDROME/ VECTORCARDIOGRAPHY

68. **Alsat E, Cedard L:** The stimulatory action of the prostaglandins on the production of oestrogens by the human placenta perfused in vitro.
Prostaglandins 3:145-53, Feb 73
CHROMATOGRAPHY/ *ESTRADIOL, biosynthesis/ *ESTRONE, biosynthesis/ FEMALE/ FLUOROMETRY/ HUMAN/ PERFUSION/ PLACENTA, drug effects/ *PLACENTA, metabolism/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics

69. **Altenähr E, Franz K:** Stimulation and suppression of fetal parathyroid glands. Morphometric ultrastructural investigation.
Acta Endocrinol [Suppl] (Kbh) 173:165, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CYTOPLASM/ DIHYDROTACHYSTEROL/ ENDOPLASMIC RETICULUM/ FEMALE/ GESTATIONAL AGE/ HYPERCALCEMIA, pathology/ HYPOCALCEMIA, pathology/ MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ ORGANOIDS/ *PARATHYROID GLANDS, embryology/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, physiology/ PREGNANCY/ RATS

70. **Alvarez Bravo A, Murillo Delgado J, Vázquez E, et al:** Inducción de la ovulación con gonadotropinas humanas. Nuestra experiencia en 24 casos.
Ginecol Obstet Mex 33:579-85, Jun 73 (Spa)
*AMENORRHEA, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ *GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *MENOTROPINS, administration & dosage/ MENOTROPINS, therapeutic use/ *OVULATION, drug effects/ PREGNANCY

71. **Alvesalo L, Mäkinen KK, Nieminen LS:** Pregnancy and fluorine in hard tissues. A preliminary report.
Acta Odontol Scand 31:71-4, 1973
ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ COMPARATIVE STUDY/ *FLUORIDES, analysis/ *FLUORIDES, pharmacodynamics/ *ODONTOGENESIS, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL/ PREGNANCY, ANIMAL, drug effects/ RATS/ TIBIA, analysis/ *TOOTH, analysis

72. **Amla I, Basavaraju S, Manikyaraju V:** Pyknodysostosis. Report of a case with platyb pyramidal tract signs. Indian J Pediatr 40:66-8
*AUTOSOME ABNORMALITIES, compli CASE REPORT/ CHILD/ *CRANIOFACI DYSOSTOSIS, complications/ *DWARFIS complications/ HUMAN/ MALE/ *PLATYBASIA, complications/ *PYRAM TRACTS/ SPINAL CORD COMPRESSIO etiology/ SYNDROME

73. **Amoe HE Jr, Lewis RE:** Urographic and barium appearance in inferior vena caval obstructi report. Radiology 108:307-8, Aug 73
ADULT/ BARIUM SULFATE/ ENEMA/ HUMAN/ MALE/ NEOPLASM METAST TERATOID TUMOR, radiography/ TESTICULAR NEOPLASMS, radiograph UROGRAPHY/ *VASCULAR DISEASES, radiography/ *VENA CAVA, INFERIOR, radiography

74. **Amprino R:** Problèmes anciens et récen l'histophysiologie du squelette dans l'oe scientifique de Pierre Lacroix.
Acta Orthop Belg 39:379-92, Mar-Apr 7
BELGIUM/ BIOMECHANICS/ BONE AN BONES, anatomy & histology/ BONE A BONES, physiology/ CURRENT BIOG-O FRANCE/ HISTORICAL ARTICLE/ HIS OF MEDICINE, 20TH CENT./ HUMAN/ *ORTHOPEDICS, history/ *SKELETON

75. **Anai M, Lai CY, Horecker BL:** The py phosphate-binding site of rabbit muscle
Arch Biochem Biophys 156:712-9, Jun 7
*ALDOLASE/ ALDOLASE, analysis/ ALDOLASE, antagonists & inhibitors/ ALKYLATION/ AMINO ACID SEQUEN AMINO ACIDS, analysis/ BINDING SIT BOROHYDRIDES/ CHROMATOGRAPHY EXCHANGE/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ HYDRAZINES/ LYSINE/ *MUSCLES, enzymology/ OXIDATION-REDUCTION/ PEPTIDES, PEPTIDES, isolation & purification/ PH BINDING/ *PYRIDOXAL PHOSPHATE/ RABBITS/ SCHIFF BASES/ THERMOL THIOCYANATES/ TRITIUM/ TRYPSIN

76. **Andersen NB, Amaranath L:** Anesthetic ef transport across cell membranes.
Anesthesiology 39:126-52, Aug 73 (227
ADENOSINE TRIPHOSPHATASE, metal AMINO ACIDS, metabolism/ AMPHIBIA ANESTHESIA, GENERAL/ *ANESTHET pharmacodynamics/ ANESTHETICS, LO pharmacodynamics/ ANIMAL EXPERIM *BIOLOGICAL TRANSPORT, drug effe BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CELL MEMBRA metabolism/ CELL MEMBRANE PERMEABILITY/ ERYTHROCYTES, metabolism/ GLUCOSE, metabolism/ NI CONDUCTION/ NEURONS, physiology/ POTASSIUM, metabolism/ REVIEW/ SO metabolism/ TETRODOTOXIN, pharmacodynamics/ WATER, metabolism

77. **Anderson EG, Haas HL, Hösli L:** Comparison o of noradrenaline and histamine with cyclic brain stem neurones. Brain Res 49:471-5, 3
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC 3',5' MONOPHOS antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIM *BRAIN STEM, drug effects/ CATS/ COMPARATIVE STUDY/ ETHYLENEDIAMINES, pharmacodynami GLYCINE, pharmacodynamics/ HISTAM antagonists & inhibitors/ *HISTAMINE, pharmacodynamics/ INHIBITION, NEUR drug effects/ MEDULLA OBLONGATA, effects/ *NEURONS, drug effects/ NIC ACID, pharmacodynamics/ NOREPINEP antagonists & inhibitors/ *NOREPINEP

pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

78. **Anderson J:** Positive cancer therapy.
Trans Med Soc Lond 88:77-88, 1972
CARCINOGENS, adverse effects/ CELL DIVISION/ CELL NUCLEUS/ CELL TRANSFORMATION, NEOPLASTIC/ CYTOPLASM/ DNA, NEOPLASM/ HORMONES, ECTOPIC, secretion/ HUMAN/ IMMUNOGENETICS/ NEOPLASMS, chemically induced/ NEOPLASMS, diagnosis/ NEOPLASMS, drug therapy/ NEOPLASMS, etiology/ NEOPLASMS, prevention & control/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ *NEOPLASMS, therapy/ PSYCHOPHYSIOLOGY/ RNA, NEOPLASM

79. **Anderson JM:** A surgeon's view of environmental factors in human mammary cancer.
Br J Cancer 28:90, Jul 73
*BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ CARCINOGENS/ *ENVIRONMENT/ ESTROGENS/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ ONCOGENIC VIRUSES/ VIRUSES, pathogenicity

80. **Anderson JN, Peck EJ Jr, Clark JH:** Nuclear receptor estrogen complex: accumulation, retention and localization in the hypothalamus and pituitary.
Endocrinology 93:711-7, Sep 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, metabolism/ MALE/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ RATS/ *RECEPTORS, HORMONE, drug effects/ TIME FACTORS/ TRITIUM

81. **Andersson H, Essen C von, Roos BE:** On the elimination of 5-hydroxyindoleacetic acid and homovanillic acid from cerebrospinal fluid.
Acta Pharmacol Toxicol (Kbh) 32:129-38, 1973
ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLOOD-BRAIN BARRIER/ *BRAIN, drug effects/ BRAIN, metabolism/ BRAIN STEM, metabolism/ CAUDATE NUCLEUS, metabolism/ DOGS/ DOPAMINE, cerebrospinal fluid/ HALF-LIFE/ HOMOVANILLIC ACID, cerebrospinal fluid/ *HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ NOREPINEPHRINE, cerebrospinal fluid/ *PHENYLACETATES, cerebrospinal fluid/ *PROBENECID, pharmacodynamics/ RABBITS/ RATS/ SEROTONIN, cerebrospinal fluid/ SPECIES SPECIFICITY/ *SULFONAMIDES, pharmacodynamics/ TIME FACTORS/ *ZOXAZOLAMINE, pharmacodynamics

82. **Andersson LC, Nordling S, Häyry P:** Fractionation of mouse T and B lymphocytes by preparative cell electrophoresis. Efficiency of the method.
Cell Immunol 8:235-48, Aug 73
ANTILYMPHOCYTE SERUM/ BONE MARROW CELLS, immunology/ CELL SEPARATION/ *ELECTROPHORESIS/ ERYTHROCYTES, immunology/ HEMOLYTIC PLAQUE TECHNIC/ HYDROCORTISONE, pharmacodynamics/ IMMUNE ADHERENCE REACTION/ LYMPH NODES, cytology/ LYMPHOCYTE TRANSFORMATION/ MICE, INBRED AKR/ MICE, INBRED C3H/ MICE, INBRED CBA/ MICE, INBRED DBA/ RADIATION CHIMERA/ SHEEP, immunology/ SPLEEN, cytology/ THYMECTOMY/ THYMUS GLAND, cytology

83. **Andersson P, Garry-Andersson AS:** The effect of amprolium and of payzone on the functional state of the thyroid in growing chickens.
Acta Vet Scand 14:225-8, 1973
AMIDINES, pharmacodynamics/ AMPROL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIPROTOZOAL AGENTS, pharmacodynamics/ BLOOD PROTEINS/ BODY WEIGHT/ CHICKENS/ DEPRESSION, CHEMICAL/ FOOD ADDITIVES/ *GROWTH SUBSTANCES, pharmacodynamics/ HYDRAZONES, pharmacodynamics/ IODINE, blood/ *NITROFURANS, pharmacodynamics/ ORGAN WEIGHT/ *PICOLINE, pharmacodynamics/ PROTEIN BINDING/ THIAMINE, antagonists & inhibitors/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology

84. **Andersson PG:** BC-105 and deseril in migraine prophylaxis. (A double-blind study).
Headache 13:71-3, Jul 73
BENZOCYCLOHEPTENES, therapeutic use/ CLINICAL RESEARCH/ DEPRESSION, REACTIVE, drug therapy/ FEMALE/ HUMAN/ MALE/ METHYSERGIDE, adverse effects/ *METHYSERGIDE, therapeutic use/ *MIGRAINE, prevention & control/ PIPERIDINES, therapeutic use/ PLACEBOS/ SEROTONIN, antagonists & inhibitors/ *THIOPHENES, therapeutic use

85. **Andersson R:** Cyclic AMP as a mediator of the relaxing action of papaverine, nitroglycerine, diazoxide and hydralazine in intestinal and vascular smooth muscle.
Acta Pharmacol Toxicol (Kbh) 32:321-36, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ CALCIUM, physiology/ CATTLE/ COLON, drug effects/ *DIAZOXIDE, pharmacodynamics/ *GLYCERYL TRINITRATE, pharmacodynamics/ *HYDRALAZINE, pharmacodynamics/ IN VITRO/ *MUSCLE, SMOOTH, drug effects/ *PAPAVERINE, pharmacodynamics/ PHOSPHOCREATINE, analysis/ PHOSPHODIESTERASES, metabolism/ RABBITS/ STIMULATION, CHEMICAL/ SUBCELLULAR FRACTIONS, drug effects/ TIME FACTORS

86. **Andersson R, Lundholm L, Mohme-Lundholm E, et al:** Role of cyclic AMP and Ca++ in metabolic and mechanical events in smooth muscle.
Adv Cyclic Nucleotide Res 1:213-29, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBACHOL, pharmacodynamics/ COLON/ CORTICOSTERONE, pharmacodynamics/ DIBENAMINE, pharmacodynamics/ GLUCOSYLTRANSFERASES, metabolism/ HEXOSEPHOSPHATES, metabolism/ ISOPROTERENOL, pharmacodynamics/ LACTATES, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, enzymology/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ PHENYLEPHRINE, pharmacodynamics/ PHOSPHOCREATINE, metabolism/ POTASSIUM, metabolism/ RABBITS/ RECEPTORS, ADRENERGIC, drug effects/ SOTALOL, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

87. **Andersson RG:** Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs.
Acta Physiol Scand [Suppl] 382:1-59, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE TRIPHOSPHATE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, physiology/ CALCIUM ISOTOPES/ CATECHOLAMINES, pharmacodynamics/ CATTLE/ COLON, metabolism/ GALLBLADDER, metabolism/ GLUCOSYLTRANSFERASES, metabolism/

GUINEA PIGS/ HEXOSEPHOSPHATES, analysis/ MESENTERIC ARTERIES, metabolism/ METHODS/ MICROSOMES, metabolism/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, physiology/ MUSCLE TONUS/ PHOSPHOCREATINE, analysis/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ RABBITS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

88. **Andre J, Rochefort H:** Specific effect of estrogens on an interaction between the uterine estradiol receptor and DNA. FEBS Lett 29:135-40, 15 Jan 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DEOXYRIBONUCLEASE/ DEXTRAN/ *DNA, metabolism/ DNA, SINGLE STRANDED, metabolism/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ IN VITRO/ MACROMOLECULAR SYSTEMS/ POTASSIUM CHLORIDE/ RATS/ *RECEPTORS, HORMONE/ TESTOSTERONE/ TRITIUM/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism

89. **Andreani D:** In ricordo di Solomon A. Berson. Folia Endocrinol (Roma) 26:161-4, Jun 73 (Ita)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ NEW YORK CITY/ RADIOIMMUNOASSAY, history

90. **Andreatta RH, Hartmann A, Jöhl A, et al:** Synthese der Sequenz 1-34 von menschlichem Parat-hormon. Helv Chim Acta 56:470-3, 1973 (Ger)
*AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HUMAN/ *PARATHYROID HORMONE, chem synthesis/ PARATHYROID HORMONE, pharmacodynamics/ PEPTIDES, pharmacodynamics/ RATS

91. **Andreev D, Uchikov P:** Chernodroben ekhinokok pri bremenna zhena, protekul klinichno kato iaichnikova kista. Khirurgiia (Sofiia) 26:186, 1973 (Bul)
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *ECHINOCOCCOSIS, HEPATIC, diagnosis/ FEMALE/ HUMAN/ OVARIAN CYSTS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis

92. **Andresen O:** Development of a radioimmunoassay for 5-alpha-androst-16-ene-3-one. Horm Metab Res 5:307-8, Jul 73
*ANDROSTENES, blood/ CASTRATION/ GUINEA PIGS/ KETOSTEROIDS, blood/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE/ TRITIUM

93. **Andrew FD, Bowen D, Zimmerman EF:** Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Teratology 7:167-75, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *CLEFT PALATE, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MICE, INBRED A/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ *PALATE, embryology/ PALATE, metabolism/ PREGNANCY/ RATS/ *RNA, biosynthesis/ RNA, MESSENGER/ TIME FACTORS/ TRIAMCINOLONE ACETONIDE, adverse effects/ TRIAMCINOLONE ACETONIDE, metabolism/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

94. **Andrews AD, Dunn JT:** Effects of TSH on the chemical composition of orbital tissue in guinea pigs. Endocrinology 93:527-31, Sep 73
ANIMAL EXPERIMENTS/ CELLULOSE/ CETYLPYRIDINIUM/ CHONDROITIN, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ *GLYCOPROTEI
metabolism/ *HEXOSAMINES, metabolis
HYALURONIC ACID, metabolism/ *LAC
APPARATUS, metabolism/
*MUCOPOLYSACCHARIDES, metabolism
RABBITS/ SULFATES, blood/ *SULFAT
metabolism/ SULFUR ISOTOPES/
*THYROTROPIN, pharmacodynamics/
THYROXINE, pharmacodynamics

95. **Andrews FM:** Bone pain. Rep Rheum Dis 49:1-2
AGED/ *BONE DISEASES, complication
BONE DISEASES, diagnosis/ FEMALE/
HUMAN/ HYPERPARATHYROIDISM, complications/ MIDDLE AGE/
OSTEOMALACIA, complications/
OSTEOPOROSIS, complications/ *PAIN, etiology

96. **Andron LA 2d, Strehler BL:** Recent evidence o and tRNA acylase-mediated cellular cont mechanisms: a review.
Mech Ageing Dev 2:97-116, Jun-Jul 73 (1
ACYLATION/ *AGING/ AMINO ACIDS, metabolism/ *AMINO ACYL T RNA SYNTHETASES/ AMINO ACYL T RNA SYNTHETASES, metabolism/ AMPHIBIA
ANIMAL EXPERIMENTS/ BACILLUS SUBTILIS/ BIRDS/ *CELL DIFFERENTIATION/ CELL DIVISION/
ENZYME REPRESSION/ HORMONES, metabolism/ INVERTEBRATES/ MAMM
METHYLATION/ PLANTS/ REVIEW/ R
BACTERIAL/ *RNA, TRANSFER/ RNA, TRANSFER, metabolism/ RNA, VIRAL/
SPORES, BACTERIAL/ *TRANSLATION
GENETIC

97. **Andrsson P, Garry-Andersson AS:** On the e payzone-feeding on some blood constitu growing chickens. Acta Vet Scand 14:229-
ALANINE AMINOTRANSFERASE, blood
ALKALINE PHOSPHATASE, blood/
AMIDINES, pharmacodynamics/ ANIMA
EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ *BLOOD, effects/ BLOOD PROTEINS, analysis/ B
SUGAR, metabolism/ BLOOD UREA NITROGEN/ CHICKENS/ CHOLESTERO
blood/ DEPRESSION, CHEMICAL/ FOO
ADDITIVES/ *GROWTH SUBSTANCES, pharmacodynamics/ HYDRAZONES, pharmacodynamics/ *NITROFURANS, pharmacodynamics/ *THYROID GLAND, effects/ URIC ACID, blood

98. **Angelescu E, Damian A, Handoca A:** Cancer tir metastaze la nivelul claviculei. (Conside marginea unui caz.
Stud Cercet Endocrinol 24:321-5, 1973
*ADENOCARCINOMA/ *BONE NEOPLA
*CLAVICLE/ FEMALE/ HUMAN/ MIDD
AGE/ *NEOPLASM METASTASIS/ *TH
NEOPLASMS

99. **Angeli A, Boccuzzi G, Frairia R, et al:** Compor del ritmo circadiano della secrezione corticosurrenalica nell'anoressia nervosa in r alla durata dell'amenorrea.
Folia Endocrinol (Roma) 25:153-60, Apr
ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ *AMENORRH physiopathology/ *ANOREXIA NERVOS physiopathology/ *CIRCADIAN RHYTHM CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*17-HYDROXYCORTICOSTEROIDS, urine
HYPOTHALAMO-HYPOPHYSEAL SYST
PITUITARY-ADRENAL FUNCTION TES
TIME FACTORS

100. **Anghileri LJ:** Phospholipid-calcium comple experimental tumors. Experientia 28:1086-7,
ANIMAL EXPERIMENTS/ CALCIUM, a
*CALCIUM, metabolism/ CARCINOMA, EHRLICH TUMOR, metabolism/
CHROMATOGRAPHY, THIN LAYER/
LEUKEMIA, EXPERIMENTAL, metaboli
LYMPHOSARCOMA, metabolism/
*NEOPLASMS, EXPERIMENTAL, metab

PHOSPHOLIPIDS, analysis/ *PHOSPHOLIPIDS, metabolism/ SARCOMA, EXPERIMENTAL, metabolism

1. **Anigstein L, Anigstein DM, Unterharnscheidt FJ:** Attempts to propagate human tumor explants in mice inoculated with human thymus antiserum. Tex Rep Biol Med 31:177-88, Summer 73
ADENOCARCINOMA/ ADENOMA/ ANIMAL EXPERIMENTS/ ASTROCYTOMA/ BRAIN NEOPLASMS/ CARCINOMA, OAT CELL/ CHLORAMPHENICOL, administration & dosage/ CRANIOPHARYNGIOMA/ FEMALE/ GLIOBLASTOMA MULTIFORME/ GRAFT REJECTION/ HUMAN/ *IMMUNE SERUMS/ IMMUNOSUPPRESSION/ INJECTIONS, INTRAVENOUS/ MALE/ MENINGIOMA/ METHODS/ MICE/ MICE, INBRED STRAINS/ *NEOPLASM TRANSPLANTATION/ NEURILEMMOMA/ RABBITS, immunology/ *THYMUS GLAND, immunology/ TIME FACTORS/ *TRANSPLANTATION, HETEROLOGOUS

2. **Anikin VV:** Sostoianie belkogo obmena u bol'nykh gipotireozom v protsesse lecheniia liotironin-2-gidrokhloridom. Probl Endokrinol (Mosk) 19:18-22, May-Jun 73 **(Rus)**
ADMINISTRATION, ORAL/ ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ *PROTEINS, metabolism/ TABLETS/ THYRONINE, administration & dosage/ *THYRONINE, therapeutic use

3. **Annunziato L:** Attuali vedute e prospettive circa le interazioni tra catecolamine e steroidi sessuali nella regolazione della secrezione gonadotropica. Folia Endocrinol (Roma) 26:217-28, Jun 73 **(Ita)**
*CATECHOLAMINES, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ FEEDBACK/ FEMALE/ *FSH, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *LH, secretion/ NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OVULATION/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ *PROGESTERONE, pharmacodynamics

4. **Ansari BM, Thompson EN:** Refractory leukemia treated with cytosine arabinoside and cyclophosphamide. Cancer 32:294-7, Aug 73
ADOLESCENCE/ ASPARAGINASE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ *CYCLOPHOSPHAMIDE, therapeutic use/ *CYTARABINE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT/ *LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

5. **Anthonioz P:** La lutéogenèse dans la greffe ovaro-déférentielle chez le rat mâle castré. C R Soc Biol (Paris) 166:1804-7, 1972 **(Fre)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CASTRATION/ CORPUS LUTEUM/ FEMALE/ *GRAAFIAN FOLLICLE/ *LH/ MALE/ METHODS/ *OVARY, transplantation/ PUBERTY/ RATS/ SEX FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *VAS DEFERENS, surgery

6. **Anthony D, Dippe S, Hofeldt FD, et al:** Personality disorder and reactive hypoglycemia. A quantitative study. Diabetes 22:664-75, Sep 73
ADULT/ BLOOD SUGAR, analysis/ DIABETES MELLITUS, complications/ ENDOCRINE DISEASES, blood/ ENDOCRINE DISEASES, diagnosis/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ HYPOCHONDRIASIS, complications/ *HYPOGLYCEMIA, complications/ HYPOGLYCEMIA, diagnosis/ HYPOGLYCEMIA, etiology/ HYSTERIA, complications/ MALE/ MMPI/ *PERSONALITY DISORDERS, complications

7. **Antonaccio MJ, Robson RD:** Cardiovascular effects of 5-hydroxytryptophan in anaesthetized dogs. J Pharm Pharmacol 25:495-7, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BRAIN, enzymology/ CARBOXY-LYASES, metabolism/ CAROTID ARTERIES, physiology/ DOGS/ *HEART RATE, drug effects/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ REFLEX, drug effects/ SEROTONIN, biosynthesis/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics

8. **Antonello A, Baggio B, Favaro S, et al:** Effect on blood pressure of intravenous administration of a phospholipid renin preinhibitor and its active form in renal hypertensive rats. Pfluegers Arch 341:113-20, 26 Jun 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *HYPERTENSION, RENAL, physiopathology/ INJECTIONS, INTRAVENOUS/ MALE/ PHOSPHOLIPASE/ *PHOSPHOLIPIDS, pharmacodynamics/ RATS/ *RENIN, antagonists & inhibitors

9. **Antonio Cetina J, Alarcón-Segovia D:** Manifestaciones articulares del hiperparatiroidismo primario. Rev Invest Clin 25:143-51, Apr-Jun 73 **(Spa)**
ADOLESCENCE/ ADULT/ AGED/ *CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, radiography/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE

10. **Anya AO:** Serotonin (5-hydroxytryptamine) and other indolealkylamines in the male reproductive tract of a nematode. Int J Parasitol 3:573-5, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ HISTOCYTOCHEMISTRY/ HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYTRYPTOPHAN, analysis/ INDOLEACETIC ACID, analysis/ KYNURENIC ACID, analysis/ MALE/ *NEMATODA, analysis/ *SEROTONIN, analysis/ SEROTONIN, isolation & purification/ TRYPTOPHAN, analysis

11. **Aoki T:** [Determination of plasma progesterone, estrone, and estradiol-17beta by radioimmunoassay] Folia Endocrinol Jap 49:612-8, 20 Mar 73 **(Jap)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ METHODS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY

12. **Aponte CJ, Petrelli MP:** Anticonvulsants and vitamin D metabolism. JAMA 225:1248, 3 Sep 73
ADULT/ ANTICONVULSANTS, adverse effects/ *ANTICONVULSANTS, pharmacodynamics/ FEMALE/ HUMAN/ OSTEOMALACIA, chemically induced/ OSTEOMALACIA, metabolism/ PYRROLIDINONES, pharmacodynamics/ SUCCINIMIDES, pharmacodynamics/ *VITAMIN D, metabolism

13. **Appalanarasaiah K, Dayakar R, Viswanath K, et al:** Orbital venography as an investigative procedure. Int Surg 58:569-73, Aug 73
ADULT/ *BRAIN, radiography/ BRAIN NEOPLASMS, radiography/ *CEREBRAL ANGIOGRAPHY/ CONTRAST MEDIA/ EXOPHTHALMOS, radiography/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ ORBIT, blood supply/ *ORBIT, radiography/ ORBITAL NEOPLASMS, radiography/ *PHLEBOGRAPHY/ TECHNOLOGY, RADIOLOGIC

114. **Apps MC, Cater DB:** Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours.
J Pathol 109:pv, Jan 73
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ BLOOD/ COMPLEMENT/ DOGS/ *HISTAMINE, isolation & purification/ HUMAN/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MICE/ *NEOPLASMS/ *PROSTAGLANDINS, isolation & purification/ RATS

115. **Arai K, Wallace HW, Blakemore WS:** Immunotherapy of cancer with L-phenylalanine mustard as a hapten.
Cancer Res 33:1914-20, Aug 73
ANIMAL EXPERIMENTS/ CARCINOMA 256, WALKER, immunology/ *CARCINOMA 256, WALKER, therapy/ CARRIER PROTEINS/ *HAPTENS, therapeutic use/ HYDROCORTISONE, pharmacodynamics/ IMMUNE SERUMS, administration & dosage/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ MELPHALAN, administration & dosage/ *MELPHALAN, therapeutic use/ RATS/ RATS, INBRED STRAINS/ *SEROTHERAPY

116. **Arai Y, Serisawa K:** Effect of gonadotropins on neonatal testicular activity and sexual differentiation of the brain in the rat.
Proc Soc Exp Biol Med 143:656-60, Jul 73
AGE FACTORS/ ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, physiology/ BODY WEIGHT/ *BRAIN, drug effects/ CASTRATION/ FEMALE/ FSH, pharmacodynamics/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, physiology/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOTHALAMUS, drug effects/ LH, pharmacodynamics/ MALE/ ORGAN WEIGHT/ OVARY, cytology/ OVARY, transplantation/ RATS/ *SEX DIFFERENTIATION DISORDERS, drug therapy/ TESTIS, cytology/ *TESTIS, drug effects/ TESTIS, physiology/ TESTIS, secretion/ TRANSPLANTATION, HOMOLOGOUS

117. **Arcadi JA:** Testicular neoplasms in father and son.
J Urol 110:306, Sep 73
ADULT/ *DISGERMINOMA, familial & genetic/ DISGERMINOMA, radiotherapy/ HUMAN/ MALE/ MIDDLE AGE/ *TESTICULAR NEOPLASMS, familial & genetic/ TESTICULAR NEOPLASMS, radiotherapy

118. **Aref I, Hafez ES:** Oviduct contractility and egg transport in the rabbit.
Obstet Gynecol 42:165-71, Aug 73
ANIMAL EXPERIMENTS/ CATHETERIZATION, instrumentation/ COITUS/ ESTRUS/ *FALLOPIAN TUBES, physiology/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ INJECTIONS, INTRAVENOUS/ METHODS/ *MUSCLE CONTRACTION/ *OVUM, physiology/ PREGNANCY/ PRESSURE/ TRANSDUCERS

119. **Aref I, Hafez ES, Kamar GA:** Postcoital prostaglandins, in vivo oviductal motility, and egg transport in rabbits. Fertil Steril 24:671-6, Sep 73
COITUS/ *FALLOPIAN TUBES, drug effects/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MUSCLE CONTRACTION, drug effects/ *OVUM/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS

120. **Aref I, Hefnawi F, Kandil O, et al:** Effect of minipills on physiologic responses of human cervical mucus, endometrium, and ovary.
Fertil Steril 24:578-83, Aug 73
ADULT/ CELL MOVEMENT/ *CERVIX MUCUS, drug effects/ CERVIX MUCUS, secretion/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CORPUS LUTE drug effects/ ENDOMETRIUM, anatomy & histology/ *ENDOMETRIUM, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ MALE/ MEGESTROL, pharmacodynamics/ MENSTRUATION/ OVARY, drug effects/ PREGNANCY/ PREGNANEDIOL, urine/ *PREGNENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ QUINGESTANOL, pharmacodynamics/ SPERMATOZOA, physiology

121. **Arias F, Sweet F, Warren JC:** Affinity label steroid binding sites. Study of the active s 20-beta-hydroxysteroid dehydrogenase with 6 and 11 alpha-bromoacetoxyprogesterone.
J Biol Chem 248:5641-7, 25 Aug 73
ACETIC ACIDS/ ALKYLATION/ AMINO ACIDS/ BINDING SITES/ BROMINE/ CA ISOTOPES/ CHEMISTRY/ CHLORINE/ CORTISONE/ CYSTEINE/ *HYDROXYSTE DEHYDROGENASE/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibit HYDROXYSTEROIDS/ IODINE/ IODOACETATES/ ISOTOPE LABELING/ KINETICS/ METHIONINE/ MODELS, CHEMICAL/ *PREGNENES/ PREGNENES chem synthesis/ *STREPTOMYCES, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

122. **Arimori S, Nakata Y, Onishi T, et al:** [Idio hypoplastic anemia: a follow up studies on trea and prognosis of our 122 cases]
Acta Haematol Jap 35:670-6, Dec 72
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ A *ANEMIA, APLASTIC/ ANEMIA, APLAS drug therapy/ ANEMIA, APLASTIC, mor ANEMIA, APLASTIC, therapy/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLO STUDIES/ HUMAN/ MALE/ MIDDLE AG PITUITARY HORMONES, therapeutic use PROGNOSIS/ SPLENECTOMY

123. **Arkin R, Shafer AD:** Torsion of an intraabd testicle in a neonate. J Pediatr Surg 8:551-2,
*CRYPTORCHISM, radiography/ GANGRE etiology/ HEMORRHAGE, etiology/ HUM INFANT, NEWBORN/ INFANT, NEWBOR DISEASES, complications/ *INFANT, NEWBORN, DISEASES, radiography/ INF NEWBORN, DISEASES, surgery/ MALE/ NECROSIS, etiology/ ORCHITIS, etiology SPERMATIC CORD TORSION, complicati *SPERMATIC CORD TORSION, radiograp SPERMATIC CORD TORSION, surgery/ VOMITING, etiology

124. **Armato U, Andreis PG:** The primary tissue cul rat adult decapsulated adrenal glands: probl methodology and applications.
Experientia 29:106-7, 1 May 73
*ADRENAL GLANDS/ ADRENAL GLAN cytology/ ANIMAL EXPERIMENTS/ CEL DIFFERENTIATION/ CELL SURVIVAL/ CLONE CELLS/ FREEZING/ METHODS/ MICROSCOPY, ELECTRON/ RATS/ *TIS CULTURE/ TISSUE SURVIVAL/ TRYPSI

125. **Armstrong MD:** Decreased taurine excreti relation to childbirth, lactation and progestin-estrogen therapy.
Clin Chim Acta 46:253-6, 14 Jul 73
CONTRACEPTIVES, ORAL, pharmacodyn CREATININE, urine/ DRUG COMBINATI *ESTROGENS, pharmacodynamics/ FEMA HUMAN/ *LACTATION/ MALE/ MENSTRUATION/ MILK, HUMAN, metabolism/ *PREGNANCY/ *PROGESTE pharmacodynamics/ PUERPERIUM/ PYRIDOXINE, pharmacodynamics/ TAUR metabolism/ *TAURINE, urine/ TIME FACTORS

126. **Arnaud CD:** Radioassay of the calciotropic hor Metabolism 22:1013-20, Aug 73 (36 ref.)

CALCIUM, blood/ CATTLE/ HOMEOSTASIS/ HUMAN/ IMMUNE SERUMS/ MOLECULAR WEIGHT/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ SWINE/ *THYROCALCITONIN, blood/ THYROCALCITONIN, metabolism/ *VITAMIN D, blood/ VITAMIN D, metabolism

7. **Arndt J, Kob D, Stoll W, et al:** Die Aufgaben der Strahlentherapie bei der Behandlung der Schilddrüsenmalignome.
Dtsch Gesundheitsw 28:77-80, 2 Jan 73 (Ger)
*ADENOMA, radiotherapy/ ADENOMA, therapy/ ADOLESCENCE/ ADULT/ AGED/ CARCINOMA, radiotherapy/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PAPILLOMA, radiotherapy/ PROSPECTIVE STUDIES/ SARCOMA, radiotherapy/ *THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, therapy

. **Arnold PS, Racine RJ, Wise RA:** Effects of atropine, reserpine, 6-hydroxydopamine, and handling on seizure development in the rat.
Exp Neurol 40:457-70, Aug 73
*AMYGDALOID BODY, drug effects/ AMYGDALOID BODY, physiopathology/ ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ *CONVULSIONS/ CONVULSIONS, physiopathology/ ELECTRIC STIMULATION/ *HANDLING (PSYCHOLOGY)/ *HYDROXYDOPAMINE, pharmacodynamics/ MALE/ *NEURAL TRANSMISSION/ NOREPINEPHRINE, physiology/ RATS/ *RESERPINE, pharmacodynamics/ STRESS

Arnstein EJ, Wedgwood RJ: Meningitis and brain tumour. Lancet 1:262-3, 4 Aug 73
BRAIN NEOPLASMS, cerebrospinal fluid/ *BRAIN NEOPLASMS, etiology/ BRAIN NEOPLASMS, immunology/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *MENINGITIS, HAEMOPHILUS, complications/ MENINGITIS, HAEMOPHILUS, immunology/ PINEALOMA, cerebrospinal fluid/ *PINEALOMA, etiology

Aro S, Karppanen H, Klinge E: Acetylcholinesterase activity is decreased after sexual maturation in bovine pineal gland.
Acta Physiol Scand 87:575-6, Apr 73
*ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ HYDROLYSIS/ MALE/ ORGAN WEIGHT/ *PINEAL BODY, enzymology/ PINEAL BODY, physiology

Artamonov VI: O nekotorykh obshchebiologicheskikh aspektakh opukholeobrazovaniia. I. Rol' indol'nykh soedinenii.
Usp Sovrem Biol 75:441-51, May-Jun 73 (82 ref.) (Rus)
ANIMAL EXPERIMENTS/ CARCINOGENS/ HUMAN/ INDOLEACETIC ACID, metabolism/ INDOLES/ *INDOLES, metabolism/ LEUKEMIA, EXPERIMENTAL, chemically induced/ MICE/ *NEOPLASMS, metabolism/ NEOPLASMS, EXPERIMENTAL, chemically induced/ ONCOGENIC VIRUSES/ PEPTIDE HYDROLASES, metabolism/ PLANT GROWTH REGULATORS, metabolism/ *PLANT TUMORS/ PLANT VIRUSES/ REVIEW/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism

Arvanitakis C, Knouss RF: Selective hypopituitarism. Impaired cell-mediated immunity and chronic mucocutaneous candidiasis.
JAMA 225:1492-5, 17 Sep 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, urine/ ADULT/ ANTIBODIES, analysis/ CHRONIC DISEASE/ DEFICIENCY DISEASES, diagnosis/ HUMAN/ HYDROCORTISONE, blood/ *HYPOPITUITARISM, immunology/ IGA, analysis/ IGM, analysis/ *IMMUNITY, CELLULAR/ LYMPHOPENIA, diagnosis/ MALE/ *MONILIASIS, CUTANEOUS, complications/ MONILIASIS, CUTANEOUS, immunology/ MUCOUS MEMBRANE, microbiology/ NAILS, microbiology/ PITUITARY-ADRENAL FUNCTION TESTS/ SKIN DISEASES, INFECTIOUS, microbiology

133. **Asako T, Hiraga K, Miki T:** [Total synthesis of rac-3-(3-oxo-17beta-hydroxy-13-ethylgon-4-en-17alpha-yl) propionic acid gamma-lactone]
J Pharm Soc Jap 93:246-7, Feb 73 (Jap)
CHEMISTRY/ ETHANE/ *GONANES, chem synthesis/ LACTONES, chem synthesis

134. **Asako T, Hiraga K, Miki T:** [Total synthesis of 16-ethyl-substituted steroids]
J Pharm Soc Jap 93:566-9, May 73 (Jap)
ENGLISH ABSTRACT/ *ETHYLENE/ *STEROIDS, chem synthesis

135. **Ashburner M:** Puffing patterns in Drosophila melanogaster and related species.
Results Probl Cell Differ 4:101-51, 1972 (94 ref.)
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ CHROMOSOME MAPPING/ *CHROMOSOMES/ CHROMOSOMES, drug effects/ CIRCADIAN RHYTHM/ DIPTERA, cytology/ DNA, metabolism/ *DROSOPHILA MELANOGASTER, cytology/ ECDYSONE, pharmacodynamics/ GENES, LETHAL/ HETEROCHROMATIN/ LARVA, cytology/ MUTATION/ PHENOTYPE/ PUPA, cytology/ REVIEW/ RNA, biosynthesis/ SALIVARY GLANDS, transplantation/ SEX CHROMOSOMES/ TEMPERATURE/ TRANSPLANTATION, HOMOLOGOUS/ UNCOUPLING AGENTS, pharmacodynamics/ VARIATION (GENETICS)

136. **Ashcroft GW, Blackburn IM, Eccleston D, et al:** Changes on recovery in the concentrations of tryptophan and the biogenic amine metabolites in the cerebrospinal fluid of patients with affective illness.
Psychol Med 3:319-25, Aug 73
ADULT/ *AFFECTIVE DISTURBANCES, cerebrospinal fluid/ AFFECTIVE DISTURBANCES, drug therapy/ *BIOGENIC AMINES, cerebrospinal fluid/ BUTYROPHENONES, therapeutic use/ DEPRESSION, cerebrospinal fluid/ FEMALE/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ PHENOTHIAZINE TRANQUILIZERS, therapeutic use/ PSYCHOSES, MANIC-DEPRESSIVE, cerebrospinal fluid/ RECEPTORS, DRUG/ SEROTONIN, cerebrospinal fluid/ *TRYPTOPHAN, cerebrospinal fluid

137. **Ashley DJ:** Origin of teratomas. Cancer 32:390-4, Aug 73
*ABDOMINAL NEOPLASMS, embryology/ ABDOMINAL NEOPLASMS, familial & genetic/ ADOLESCENCE/ CELL DIFFERENTIATION/ CHILD/ FEMALE/ GERM LAYERS/ HUMAN/ MALE/ MODELS, BIOLOGICAL/ *OVARIAN NEOPLASMS, embryology/ OVARIAN NEOPLASMS, familial & genetic/ OVARY, cytology/ PARTHENOGENESIS/ SACROCOCCYGEAL REGION/ SEX CHROMATIN/ *TERATOID TUMOR, embryology/ TERATOID TUMOR, familial & genetic/ *TESTICULAR NEOPLASMS, embryology/ TESTICULAR NEOPLASMS, familial & genetic/ TESTIS, cytology

138. **Assmus H, Thiele RM:** Intrakranielle Sinus- und Venethrombosen bie Gebrauch von Ovulationshemmern.
Med Welt 24:779-81, 11 May 73 (Ger)
ADULT/ BRAIN, blood supply/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *SINUS THROMBOSIS, chemically induced/ *THROMBOPHLEBITIS, chemically induced/ VEINS

139. **Astruc M, Bressot N, Descomps B, et al:** The role of transcortin in cortisol transport and cortisol excretion in children proteinurias.
Steroids Lipids Res 4:30-8, 1973
ADOLESCENCE/ BIOLOGICAL TRANSPORT/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, blood/ DWARFISM, urine/ FEMALE/ GEL

FILTRATION/ GLOMERULONEPHRITIS, blood/ GLOMERULONEPHRITIS, urine/ HEMATURIA, blood/ HEMATURIA, urine/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ MALE/ NEPHROTIC SYNDROME, blood/ NEPHROTIC SYNDROME, urine/ PROTEIN BINDING/ *PROTEINURIA, blood/ PROTEINURIA, urine/ TIME FACTORS/ *TRANSCORTIN, metabolism/ TRANSCORTIN, urine/ TRITIUM

140. **Atack C, Carlsson A:** In vitro release of endogenous histamine, together with noradrenaline and 5-hydroxytryptamine, from slices of mouse cerebral hemispheres. J Pharm Pharmacol 24:990-2, Dec 72
ANIMAL EXPERIMENTS/ *BRAIN, secretion/ FEMALE/ *HISTAMINE LIBERATION/ IN VITRO/ MICE/ *NOREPINEPHRINE, secretion/ POTASSIUM, administration & dosage/ POTASSIUM, pharmacodynamics/ *SEROTONIN, secretion

141. **Atanasiu D, Maftei O, Gheorghiu C:** Asupra unui caz de guşă ovariană basedowificată.
Rev Med Chir Soc Med Nat Iasi 77:359-61, Apr-Jun 73 **(Rum)**
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MIDDLE AGE/ STRUMA OVARII, complications/ *STRUMA OVARII, diagnosis/ STRUMA OVARII, surgery

142. **Atkins, Tw, Bailey CJ, et al:** The effect of melatonin on insulin secretion in the rat and mouse.
J Endocrinol 58:17-8, Jul 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, metabolism/ *MELATONIN, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ OBESITY, familial & genetic/ OBESITY, metabolism/ RATS/ SECRETORY RATE, drug effects

143. **Atkins FL, Beaven MA, Keiser HR:** Dopa decarboxylase in medullary carcinoma of the thyroid.
N Engl J Med 289:545-8, 13 Sep 73
ADRENAL GLAND NEOPLASMS, enzymology/ *CARCINOMA, enzymology/ CARCINOMA, familial & genetic/ CRESOLS, pharmacodynamics/ DOPA/ DOPA DECARBOXYLASE, antagonists & inhibitors/ *DOPA DECARBOXYLASE, pharmacodynamics/ HISTAMINASE, metabolism/ HISTAMINE, metabolism/ HISTIDINE, pharmacodynamics/ HUMAN/ HYDRAZINES, pharmacodynamics/ HYDROXYLAMINES, pharmacodynamics/ METHYLDOPA, pharmacodynamics/ METHYLDOPAHYDRAZINE, pharmacodynamics/ METHYLHISTIDINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PHEOCHROMOCYTOMA, enzymology/ SEROTONIN, metabolism/ *THYROID GLAND, enzymology/ THYROID GLAND, metabolism/ *THYROID NEOPLASMS, enzymology/ THYROID NEOPLASMS, familial & genetic/ TRYPTOPHAN/ TYROSINE/ TYROSINE HYDROXYLASE, metabolism

144. **Atkins TW, Matty AJ:** The effect of age on some aspects of obese (ob-ob) mouse pancreatic islet morphology and metabolism.
J Endocrinol 58:xvii, Jul 73
ADENOSINE TRIPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ HYPERGLYCEMIA, familial & genetic/ INSULIN, blood/ ISLANDS OF LANGERHANS, analysis/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, pathology/ MAGNESIUM, analysis/ MICE/ MICE, INBRED STRAINS/ OBESITY, familial & genetic/ *OBESITY, pathology/ RNA, analysis

145. **Atkinson JP, Frank MM:** Effect of cortisone therapy on serum complement components.
J Immunol 111:1061-6, Oct 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS/ BLOOD PROTEINS, analysis/ *COMPLEMENT, analysis/ CORTISONE, blood/ *CORTISON therapeutic use/ GUINEA PIGS/ HEMOL LIVER, pathology/ MALE/ ORGAN WEI RADIOIMMUNOASSAY/ SPLEEN, patholo

146. **Attanasio A, McCafferty E, Jendricke K, et a** effect of gonadotropins on the "androgen sta boys with undescended testes.
Acta Endocrinol [Suppl] (Kbh) 173:167,
AGE FACTORS/ ANDROGENS, blood/ ANDROSTERONE, urine/ CHILD/ CHILD PRESCHOOL/ *CRYPTORCHISM, metabo *GONADOTROPINS, CHORIONIC, diagnos use/ HUMAN/ INFANT/ MALE/ PROTE BINDING/ TESTIS, abnormalities/ TESTI drug effects/ TESTIS, secretion/ TESTOSTERONE, blood/ TESTOSTERON urine

147. **Attrep KA, Mariani JM Jr, Attrep M Jr:** Sea prostaglandin A1 in onion. Lipids 8:484-6,
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effect CHROMATOGRAPHY/ CHROMATOGRAP THIN LAYER/ *PLANTS, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ SILICA/ SPECTROPHOTOMETRY, INFRA SPECTROPHOTOMETRY, ULTRAVIOLET

148. **Aur RJ, Hustu HO, Verzosa MS, et al:** Compar two methods of preventing central nervous leukemia. Blood 42:349-57, Sep 73
ADOLESCENCE/ CENTRAL NERVOUS SYSTEM, radiation effects/ *CENTRAL NERVOUS SYSTEM DISEASES, preventi control/ CHILD/ CHILD, PRESCHOOL/ COBALT ISOTOPES/ CYCLOPHOSPHAM therapeutic use/ INJECTIONS, INTRATHECAL/ *LEUKEMIA, LYMPHOBLASTIC, prevention & control LEUKOCYTE COUNT/ MERCAPTOPURI therapeutic use/ METHOTREXATE, administration & dosage/ METHOTREXA therapeutic use/ PREDNISONE, therapeu use/ RECURRENCE/ VINCRISTINE, therapeutic use

149. **Austoni M, Conte N, Zaccaria M, et al:** Tiro Riedel associata a ipoparatiroidismo.
Folia Endocrinol (Roma) 25:495-501, Dec 7
ASPHYXIA, complications/ ASPHYXIA, diagnosis/ ASPHYXIA, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMA HUMAN/ *HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, pathology/ MIDDLE AGE/ RADIOISOTO SCANNING/ *THYROIDITIS, complicatio THYROIDITIS, diagnosis/ THYROIDITIS, pathology

150. **Avanesova EO:** Vodovydelitel'naia funktsiia poc eksperimental'nom gipoparatireoze.
Probl Endokrinol (Mosk) 19:107-11, May-Jun 7
ANIMAL EXPERIMENTS/ CALCIUM, bl CIRCADIAN RHYTHM/ *DIURESIS/ DO ENGLISH ABSTRACT/ FEMALE/ GLOMERULAR FILTRATION RATE/ GLUCONATES, pharmacodynamics/ *HYPOPARATHYROIDISM, physiopatholo INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ INULIN, diagnostic use/ IODOPYRACET, diagnostic use/ *KIDNEY, physiopatholog KIDNEY CONCENTRATING ABILITY/ NATRIURESIS/ PARATHYROID GLAND physiology

151. **Avrach W:** [Linear telangiectasia and hor balance]
Harefuah 84:483-4, 1 May 73
CASE REPORT/ ENGLISH ABSTRACT/ *ESTROGENS, physiology/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LI physiology/ PREGNANCY/ *PREGNANC COMPLICATIONS, CARDIOVASCULAR/ *PROGESTERONE, physiology/ PROGESTERONE, therapeutic use/ *TELANGIECTASIS, etiology

2. **AvRuskin TW, Tang SC, Shenkman L, et al:** Serum triiodothyronine concentrations in infancy, childhood, adolescence and pediatric thyroid disorders. J Clin Endocrinol Metab 37:235-7, Aug 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ INFANT/ INFANT, NEWBORN/ MALE/ PUBERTY/ *TRIIODOTHYRONINE, blood

Aytalion RR, Wojdani A, Malik Z, et al: Influence of environmental temperature on the immune response in fish. Curr Top Microbiol Immunol 61:1-35, 1973
ADAPTATION, BIOLOGICAL/ ADRENAL CORTEX HORMONES/ AGGLUTININS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS, BACTERIAL/ BACTERIAL INFECTIONS, immunology/ CATTLE, immunology/ COLD/ ENVIRONMENT/ ENVIRONMENTAL EXPOSURE/ *FISHES, immunology/ FROGS, immunology/ IMMUNE TOLERANCE/ IMMUNITY, ACTIVE/ METHODS/ SEASONS/ SERUM ALBUMIN, BOVINE/ TEMPERATURE/ ZOONOSES, etiology

Aw SE, Chan KC: A trophoblastic antigen present in the sera of pregnant women. Med J Aust 2:119-21, 21 Jul 73
ADOLESCENCE/ ADULT/ AGED/ ALPHA GLOBULIN/ *ANTIGENS/ BLOOD/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL/ ELASTIN/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNOELECTROPHORESIS/ INFANT/ MALE/ MIDDLE AGE/ *PREGNANCY/ PUERPERIUM/ RABBITS, immunology/ *TROPHOBLAST, immunology/ UMBILICAL CORD

Awais GM: Serum lactic dehydrogenase levels in the diagnosis and treatment of carcinoma of the ovary. Am J Obstet Gynecol 116:1053-7, 15 Aug 73
*ADENOCARCINOMA, PAPILLARY, enzymology/ ADENOCARCINOMA, PAPILLARY, radiotherapy/ ADENOCARCINOMA, PAPILLARY, therapy/ BREAST NEOPLASMS, enzymology/ COLONIC NEOPLASMS, enzymology/ FEMALE/ HUMAN/ *LACTATE DEHYDROGENASE, blood/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, enzymology/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, therapy/ RECURRENCE/ TIME FACTORS

Aylward M, Maddock J: Total and free-plasma tryptophan concentrations in rheumatoid disease. J Pharm Pharmacol 25:570-2, Jul 73
ADULT/ *ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ BLOOD PROTEINS/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PIPERAZINES, therapeutic use/ PREDNISOLONE, therapeutic use/ PROTEIN BINDING/ *TRYPTOPHAN, blood/ ULTRAFILTRATION

Azhipa IaI, Egorova LK: O roli gormonov shchtovidnoi zhelezy v izmenenii sostoianiia kholinergicheskoi sistemy pri nervnodistroficheskom protsesse. Izv Akad Nauk SSSR [Biol] 3:413-20, May-Jun 72 (Rus)
ACETYLCHOLINE, blood/ ANIMAL EXPERIMENTS/ CHOLINESTERASE, blood/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ LIGATION/ MALE/ *NERVE DEGENERATION/ *PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ RABBITS/ SCIATIC NERVE/ *THYROXINE, pharmacodynamics

B

Babej M, Sandow J, Kircher E: Interaction of prostaglandins and LH-RH in vitro. Acta Endocrinol [Suppl] (Kbh) 173:81, 1973
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, metabolism/ GONADOTROPINS, PITUITARY, metabolism/ IN VITRO/ LH, metabolism/ *PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS

159. **Babu KS:** Histology of the neurosecretory system and neurohaemal organs of the spider, Argiope aurantia (Lucas). J Morphol 141:77-97, Sep 73
ANIMAL EXPERIMENTS/ AXONS, cytology/ GANGLIA, cytology/ NEUROGLIA, cytology/ *NEUROSECRETORY SYSTEMS, cytology/ *SPIDERS, anatomy & histology

160. **Bacchus RA, Meade L, Hutchinson JS, et al:** The control of arginine-induced insulin secretion in the rat: the role of catecholamines. J Endocrinol 58:111-22, Jul 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ARGININE, blood/ *ARGININE, pharmacodynamics/ BLOOD SUGAR/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ CORTICOSTERONE, blood/ EPINEPHRINE, pharmacodynamics/ GUANETHIDINE, pharmacodynamics/ INSULIN, blood/ *INSULIN, secretion/ MALE/ METHYLTYROSINES, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

161. **Bach C, Toublanc JE, Gautier M:** Une observation de double aneupoidie chromosomique: trisomie 18 et XX. Ann Genet (Paris) 16:61-6, Mar 73 (Fre)
ABNORMALITIES, MULTIPLE, familial & genetic/ ANEUPLOIDY/ *CHROMOSOMES, HUMAN, 16-18/ ENGLISH ABSTRACT/ HEART DEFECTS, CONGENITAL, familial & genetic/ HEPATITIS, congenital/ HUMAN/ INFANT/ KARYOTYPING/ *KLINEFELTER'S SYNDROME/ MALE/ SKULL, abnormalities/ *TRISOMY

162. **Bach GL:** Adverse reactions of antirheumatic drugs. Int J Clin Pharmacol 7:198-205, Apr 73
*ANALGESICS AND ANTIPYRETICS, adverse effects/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ CHLOROQUINE, adverse effects/ DIMETHYLAMINES, adverse effects/ DRUG HYPERSENSITIVITY/ GOLD, adverse effects/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INDOMETHACIN, adverse effects/ INDOMETHACIN, pharmacodynamics/ MALONATES, adverse effects/ MEFENAMIC ACID, adverse effects/ PENICILLAMINE, adverse effects/ PROPIONATES, adverse effects/ PROSTAGLANDINS, antagonists & inhibitors/ PYRAZOLES, adverse effects/ *RHEUMATISM, drug therapy/ SALICYLATES, adverse effects/ SALICYLIC ACID, adverse effects/ SALICYLIC ACID, pharmacodynamics/ STEROIDS, adverse effects/ TRIAZINES, adverse effects

163. **Bączyk K:** Leczenie nefropatii cukrzycowej. Przegl Lek 30:458-60, 1973 (Pol)
ANTIBIOTICS, therapeutic use/ BASEMENT MEMBRANE, pathology/ DIABETES MELLITUS, therapy/ DIABETIC DIET/ DIABETIC NEPHROPATHIES, diagnosis/ DIABETIC NEPHROPATHIES, prevention & control/ *DIABETIC NEPHROPATHIES, therapy/ DIETARY FATS, administration & dosage/ HUMAN/ KIDNEY FAILURE, ACUTE, prevention & control/ KIDNEY GLOMERULUS/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, radiation effects/ PITUITARY GLAND, surgery/ PROTEINURIA/ PYELONEPHRITIS, drug therapy/ RADIATION EFFECTS/ REVIEW/ TIME FACTORS/ UREMIA

164. **Baedeker W:** Die klinische Behandlung des kardiogenen Schocks. Int J Clin Pharmacol 7:132-41, Apr 73 (78 ref.) (Ger)
ACIDOSIS, drug therapy/ ADRENERGIC ALPHA RECEPTOR AGONISTS, therapeutic use/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS,

therapeutic use/ ANOXEMIA, drug therapy/ ARRHYTHMIA, diagnosis/ ARRHYTHMIA, drug therapy/ BICARBONATES, therapeutic use/ DIGITALIS GLYCOSIDES, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FIBRINOLYSIS/ GLUCAGON, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HEART AUSCULTATION/ HUMAN/ OXYGEN, therapeutic use/ RESPIRATION, ARTIFICIAL/ REVIEW/ SHOCK, CARDIOGENIC, drug therapy/ *SHOCK, CARDIOGENIC, therapy/ VENOUS PRESSURE

165. **Baer PG, Navar LG:** Renal vasodilation and uncoupling of blood flow and filtration rate autoregulation. Kidney Int 4:12-21, Jul 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ DOGS/ DOPAMINE, pharmacodynamics/ *GLOMERULAR FILTRATION RATE/ HEMODYNAMICS/ KIDNEY, blood supply/ *KIDNEY, physiology/ MANNITOL, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PRESSURE/ PROSTAGLANDINS, pharmacodynamics/ *REGIONAL BLOOD FLOW, drug effects/ URETERAL OBSTRUCTION, physiopathology/ URINATION, drug effects/ VASCULAR RESISTANCE, drug effects/ *VASODILATOR AGENTS, pharmacodynamics/ VENOUS PRESSURE, drug effects

166. **Baethmann A, Van Harreveld A:** Effect of adrenal insufficiency on water and electrolyte distribution in the brain. J Neuropathol Exp Neurol 32:394-407, Jul 73
ADRENAL GLAND HYPOFUNCTION, complications/ *ADRENAL GLAND HYPOFUNCTION, metabolism/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ BRAIN EDEMA, etiology/ *BRAIN EDEMA, metabolism/ BRAIN EDEMA, pathology/ CEREBELLAR CORTEX, metabolism/ CEREBELLAR CORTEX, pathology/ DISEASE MODELS, ANIMAL/ EXTRACELLULAR SPACE/ MALE/ MEMBRANE POTENTIALS/ MICROSCOPY, ELECTRON/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

167. **Bagchi SP, Zarycki EP:** Formation of catecholamines from phenylalanine in brain--effects of chlorpromazine and catron.
Biochem Pharmacol 22:1353-68, 1 Jun 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CARBON ISOTOPES/ *CATECHOLAMINES, biosynthesis/ CAUDATE NUCLEUS, metabolism/ CEREBRAL VENTRICLES/ *CHLORPROMAZINE, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ FLUOROMETRY/ HYDROXYLATION/ HYPOTHALAMUS, metabolism/ IN VITRO/ INJECTIONS/ *PHENIPRAZINE, pharmacodynamics/ *PHENYLALANINE, metabolism/ RATS/ TRITIUM/ TYROSINE, metabolism/ TYROSINE HYDROXYLASE, metabolism

168. **Baglin A, Rottembourg J, Alterescu R, et al:** Abolition de pouls périphériques au cours d'une anurie révélatrice d'une leucémie aiguë lymphoblastique. Régression sous dialyse péritonéale.
Nouv Presse Med 2:2047-8, 8 Sep 73 **(Fre)**
ADULT/ *ANURIA, etiology/ ANURIA, therapy/ BLOOD UREA NITROGEN/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, etiology/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ LEUKEMIA, LYMPHOBLASTIC, therapy/ MALE/ PERITONEAL DIALYSIS/ *PULSE/ URIC ACID, blood

169. **Bagramian ER:** Diagnosticheskoe znachenie issledovaniia gormonov v akusherstve (obzor literatry.
Akush Ginekol (Mosk) 48:3-9, Oct 72 **(Rus)**
ABORTION, HABITUAL, diagnosis/ ABORTION, THREATENED, diagnosis/ AMNIOTIC FLUID, analysis/ DIAGNOSIS DIFFERENTIAL/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, urine/ ESTRIOL, analysis/ ESTRIOL, urine/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ FETAL DEATH, diagnosis/ FI DISEASES, diagnosis/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ IMMUNOA PLACENTA DISORDERS, metabolism/ PLACENTAL LACTOGEN, blood/ PLACI LACTOGEN, physiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagno PREGNANCY TESTS/ PREGNANCY TOXEMIAS, urine/ PREGNANEDIOL, ur PROGESTERONE, blood/ PROGNOSIS/ REVIEW/ UTERINE INERTIA, diagnosis

170. **Bai RU, Bischoff K, Macome JC, et al:** In vitro ste steroid synthesis by ovaries of hypophysect immature rats treated with human gonadotr Acta Endocrinol (Kbh) 73:321-34, Jun 73
ACETATES, metabolism/ ANDROGENS, biosynthesis/ ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTEROL, biosynthesis/ CHROMATOGRAPHY, PAP CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ *FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOPHYSECTOMY/ 17-KETOSTEROIDS biosynthesis/ *LH, pharmacodynamics/ C drug effects/ *OVARY, metabolism/ PROGESTERONE, biosynthesis/ RATS/ HORMONES, biosynthesis/ SODIUM/ TESTOSTERONE, biosynthesis/ TRITIUM

171. **Baig MM, Roberts RM:** Comparative studies carbohydrate-containing membrane compon normal and adenosine 3':5'-cyclic monophosphate-treated Chinese hamster ova Biochem J 134:329-39, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CARB ISOTOPES/ CELL COUNT/ CELL LINE CELL MEMBRANE, metabolism/ ELECTROPHORESIS, DISK/ FEMALE/ FUCOSE, metabolism/ GEL FILTRATIO GLUCOSAMINE, metabolism/ GLYCOPROTEINS, analysis/ *GLYCOPROTEINS, biosynthesis/ HAMS LEUCINE, metabolism/ OVARY, cytolog OVARY, drug effects/ *OVARY, metabo PRONASE/ TRITIUM

172. **Baikie AG, Dartnall JA, Lickiss JN:** XXY s possibly XX-XXX mother. Lancet 1:697-8, 25
ADULT/ FEMALE/ HUMAN/ MALE/ M AGE/ MOSAICISM/ *SEX CHROMOSOM ABNORMALITIES

173. **Bailey HR:** Studies in depression. II. Treatmen depressed, frigid woman. Med J Aust 1:834-7, 2
ADULT/ CLITORIS, drug effects/ DEPRESSION, drug therapy/ *DEPRESS therapy/ ESTRADIOL, therapeutic use/ FEMALE/ FRIGIDITY, drug therapy/ *FRIGIDITY, therapy/ HUMAN/ OXAZE therapeutic use/ PSYCHOTHERAPY/ SE EDUCATION/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use/ TRANYLCYPROMINE, therapeutic use

174. **Bailey RR, Natale R, Turnbull DI, et al:** Pr effect of frusemide in acute tubular necro acute renal failure. Clin Sci 45:1-17, Ju
ANIMAL EXPERIMENTS/ CEPHALORID CEPHALORIDINE, blood/ CEPHALORID urine/ DEPRESSION, CHEMICAL/ FUROSEMIDE, administration & dosage/ FUROSEMIDE, pharmacodynamics/ *FUROSEMIDE, therapeutic use/ GLOMERULAR FILTRATION RATE/ GLYCERIN/ GLYCERIN, administration

dosage/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ KIDNEY FAILURE, ACUTE, blood/ KIDNEY FAILURE, ACUTE, chemically induced/ *KIDNEY FAILURE, ACUTE, prevention & control/ KIDNEY FAILURE, ACUTE, urine/ MALE/ MERCURY/ POTASSIUM, blood/ RATS/ RENIN, blood/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE, drug effects

5. **Bailey TB, Pinsky SM, Mittemeyer BT, et al:** A new adjuvant in testis tumor staging: gallium-67 citrate. J Urol 110:307-10, Sep 73
CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, pathology/ CITRATES, diagnostic use/ COMPARATIVE STUDY/ DISGERMINOMA, diagnosis/ DISGERMINOMA, pathology/ EVALUATION STUDIES/ *GALLIUM, diagnostic use/ HUMAN/ LUNG NEOPLASMS, diagnosis/ LYMPHATIC METASTASIS, diagnosis/ LYMPHOGRAPHY/ MALE/ NEOPLASM METASTASIS, diagnosis/ *RADIOISOTOPE SCANNING/ *RADIOISOTOPES, diagnostic use/ RETROPERITONEAL SPACE/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, pathology/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, pathology

Baillie P, Milton PJ: Premature labour at Groote Schuur Hospital. S Afr Med J 47:1299-301, 28 Jul 73
BETAMETHASONE, therapeutic use/ BIRTH WEIGHT/ CERVIX UTERI, physiopathology/ DIAZEPAM, therapeutic use/ DILATATION/ EMERGENCIES/ ENZYME INDUCTION/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HUMAN/ HYALINE MEMBRANE DISEASE, prevention & control/ INFANT, NEWBORN/ *LABOR, PREMATURE, drug therapy/ LABOR, PREMATURE, physiopathology/ LABOR, PREMATURE, prevention & control/ LIVER, enzymology/ *ORCIPRENALINE, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors

Baillie P, Sandler SW, Kukard RF: Human chorionic gonadotropin (HCG) in threatened abortion. S Afr Med J 47:1293-6, 28 Jul 73
ABORTION, THREATENED, diagnosis/ *ABORTION, THREATENED, drug therapy/ ADULT/ CERVIX MUCUS/ CYTODIAGNOSIS/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ PREGNANCY/ ULTRASONICS, diagnostic use

Bailly du Bois M, Dolais J, Rapport R: Etude d'une préparation d'hormone de croissance et d'une fraction gonadotrophique d'origine humaine á usage clinique.
Ann Biol Clin (Paris) 31:203-9, 1973 **(Fre)**
CHILD/ DWARFISM, PITUITARY, drug therapy/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ GEL FILTRATION/ *GONADOTROPINS, PITUITARY, isolation & purification/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, therapeutic use

Bakay B, Nyhan WL: Electrophoretic properties of hypoxanthine-guanine phosphoribosyl transferase in erythrocytes of subjects with Lesch-Nyhan syndrome. Biochem Genet 6:139-46, Apr 72
CARBON ISOTOPES/ CHLORIDES/ ELECTROPHORESIS, DISK/ ERYTHROCYTES, enzymology/ HUMAN/ INOSINE NUCLEOTIDES/ LANTHANUM/ LESCH-NYHAN SYNDROME, blood/ *LESCH-NYHAN SYNDROME, enzymology/ METHODS/ MUTATION/ PENTOSEPHOSPHATES/ *PENTOSYLTRANSFERASES, blood/ PRECIPITATION/ PYROPHOSPHORIC ACIDS/ RIBOSE/ SEX CHROMOSOMES

180. **Baker PC, Hoff KM, Smith MD:** The maturation of 5-hydroxytryptophan decarboxylase in regions of the mouse brain. Brain Res 58:147-55, 17 Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, enzymology/ BRAIN, growth & development/ *CARBOXY-LYASES, metabolism/ CEREBELLUM, enzymology/ CEREBELLUM, growth & development/ CEREBRAL CORTEX, enzymology/ CEREBRAL CORTEX, growth & development/ DIENCEPHALON, enzymology/ DIENCEPHALON, growth & development/ MEDULLA OBLONGATA, enzymology/ MEDULLA OBLONGATA, growth & development/ MESENCEPHALON, enzymology/ MESENCEPHALON, growth & development/ MICE/ PONS, enzymology/ PONS, growth & development/ SEROTONIN

181. **Baker RR, Sabanayagam P, Zarins CK, et al:** Functional and morphologic changes after lung allografting in baboons. Surg Gynecol Obstet 137:650-4, Oct 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, administration & dosage/ BABOONS/ GRAFT REJECTION, drug effects/ LUNG, pathology/ LUNG, radiography/ *LUNG, transplantation/ METHYLPREDNISOLONE, administration & dosage/ MONKEYS/ PENICILLIN, administration & dosage/ PULMONARY EDEMA, pathology/ STREPTOMYCIN, administration & dosage/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

182. **Baker TG, McLaren A:** The effect of tritiated thymidine on the developing oocytes of mice. J Reprod Fertil 34:121-30, Jul 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BODY WEIGHT/ CASTRATION/ FEMALE/ GESTATIONAL AGE/ GRAAFIAN FOLLICLE, radiation effects/ MICE/ ORGAN WEIGHT/ OVARY/ *OVUM, radiation effects/ PREGNANCY/ *RADIATION EFFECTS/ *THYMIDINE/ *TRITIUM

183. **Bakhitov FIu, Satarkulov KS:** Ob effektibnosti protivozobnykh meropriiatii v Dzhalal-Abadskom ochage endomicheskogo zoba.
Sov Zdravookhr Kirg 3:34-7, May-Jun 72 **(Rus)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ FEMALE/ GOITER, ENDEMIC, drug therapy/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, therapeutic use/ KIRGHIZIA/ MALE/ MIDDLE AGE/ POPULATION SURVEILLANCE/ THYROID GLAND FUNCTION TESTS

184. **Balagura S, Harrell L, Ralph T:** Glucodynamic hormones modify the recovery period after lateral hypothalamic lesions. Science 182:59-60, 5 Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ DENERVATION/ *FEEDING BEHAVIOR, drug effects/ *GLUCAGON, pharmacodynamics/ *HYPOTHALAMUS, physiology/ *INSULIN, pharmacodynamics/ MALE/ RATS/ STEREOTAXIC TECHNICS/ TIME FACTORS

185. **Balas D, Mirouze P, Broussy J:** Rôle des glandes surrénales sur la sécrétion des cellules de Paneth du jéjunum de hamster: etude ultra-structurale.
C R Soc Biol (Paris) 166:1543-6, 1972 **(Fre)**
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ DEPRESSION, CHEMICAL/ *GLUCOCORTICOIDS, physiology/ HAMSTERS/ *INTESTINAL SECRETIONS/ JEJUNUM, anatomy & histology/ *JEJUNUM, secretion/ MICROSCOPY, ELECTRON/ STIMULATION, CHEMICAL

186. **Balatti JJ, Pisarev A, Altschuler N, et al:** Studies on thyroidal colloid pinocytosis: role of different

thyroglobulin pools.
Acta Endocrinol (Kbh) 73:475-82, Jul 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ IODINE ISOTOPES/ IODOPROTEINS/ METHODS/ *PINOCYTOSIS/ RATS/ SERUM ALBUMIN, BOVINE, diagnostic use/ *THYROGLOBULIN, metabolism/ THYROID GLAND/ *THYROTROPIN, pharmacodynamics

187. **Balcavage WX, Lloyd JL, Mattoon JR, et al:** Cation movements and respiratory response in yeast mitochondria treated with high Ca2+ concentrations.
Biochim Biophys Acta 305:41-51, 27 Apr 73
ADENOSINE TRIPHOSPHATE, metabolism/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CANDIDA, cytology/ CANDIDA, drug effects/ CANDIDA, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, metabolism/ MANGANESE, metabolism/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ *OXYGEN CONSUMPTION, drug effects/ SACCHAROMYCES CEREVISIAE, cytology/ SACCHAROMYCES CEREVISIAE, drug effects/ SACCHAROMYCES CEREVISIAE, metabolism/ SODIUM, metabolism/ SPECTROPHOTOMETRY/ STRONTIUM, metabolism/ UNCOUPLING AGENTS, pharmacodynamics

188. **Baldessarini RJ, Fischer JE:** Serotonin metabolism in rat brain after surgical diversion of the portal venous circulation.
Nature [New Biol] 245:25-7, 5 Sep 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ DOPA, pharmacodynamics/ FEMALE/ HYDROXYINDOLEACETIC ACID, blood/ HYDROXYINDOLEACETIC ACID, metabolism/ *LIVER, blood supply/ LIVER, metabolism/ PORTACAVAL ANASTOMOSIS/ PORTAL SYSTEM/ RATS/ SEROTONIN, blood/ *SEROTONIN, metabolism/ TRITIUM/ TRYPTOPHAN, blood/ TRYPTOPHAN, metabolism

189. **Baldet P, Marty-Double C, Mahini P, et al:** Maladie de Fahr. Aspects neuropathologiques et endocriniens.
Arch Anat Pathol (Paris) 21:233-40, Sep 73 **(Fre)**
AUTOPSY/ BRAIN, pathology/ *CALCINOSIS, pathology/ CAPILLARIES/ *CEREBROVASCULAR DISORDERS, pathology/ HUMAN/ HYPOCALCEMIA, pathology/ LUNG, pathology/ MALE/ *MENTAL DISORDERS, etiology/ MIDDLE AGE/ *NEUROLOGIC MANIFESTATIONS/ *PARATHYROID DISEASES, pathology/ PARATHYROID GLANDS, pathology/ SPINAL CORD, pathology

190. **Balemans MG:** The inhibitory effect of 5-methoxytryptophol on ovarian weight, follicular growth and egg production of adult white leghorn hens (Gallus domesticus L.).
J Neural Transm 34:159-69, 1973
ANIMAL EXPERIMENTS/ *CHICKENS/ FEMALE/ FSH, blood/ *INDOLES, pharmacodynamics/ LH, blood/ ORGAN WEIGHT/ *OVARY, drug effects/ OVUM/ *PINEAL BODY

191. **Baleriaux-Waha D, Noterman J, Jeanmart L, et al:** Intérêt de la phlébographie orbitaire en neuro-ophtalmologie.
J Belge Radiol 56:85-94, Mar-Apr 73 **(Fre)**
ADULT/ ANEURYSM, radiography/ *BRAIN NEOPLASMS, diagnosis/ CAROTID ARTERIES, radiography/ CAROTID ARTERY DISEASES, radiography/ CEREBRAL ANGIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ EYE NEOPLASMS, diagnosis/ FEMALE/ FOREIGN BODIES, radiography/ HUMAN/ LACRIMAL APPARATUS/ MALE/ METHODS/ MIDDLE AGE/ NEOPLASM METASTASIS/ ORBIT/ *ORBIT, blood supply/ *ORBITAL NEOPLASMS, diagnosis/ *PHLEBOGRAPHY/ TESTICULAR NEOPLASMS, complications

192. **Ballzet L:** Recurrent parathyroid adenoma. Association with prolonged thiazide administration.
JAMA 225:1238-9, 3 Sep 73
*ADENOMA, chemically induced/ ADEN surgery/ CALCIUM, blood/ HUMAN/ HYDROCHLOROTHIAZIDE, adverse effe HYDROCHLOROTHIAZIDE, therapeutic HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ *NEOPLASM RECURRE LOCAL, chemically induced/ *PARATHY NEOPLASMS, chemically induced/ PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood/ TIME FACTORS

193. **Ball P, Knuppen R:** Metabolism of oestradiol-1 the human uterus in vitro.
Acta Endocrinol [Suppl] (Kbh) 173:3, 1
CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ENDOMETRIUM, metabolism/ *ESTRAD metabolism/ ESTRONE, metabolism/ FE HUMAN/ HYDROXYLATION/ HYDROXYSTEROIDS, metabolism/ IN V TRITIUM/ *UTERUS, metabolism

194. **Ballabio CB, Fantini F:** Aspetti flogistici e po terapeutiche delle malattie reumatiche. Intro
Minerva Med 64:2385-94, 20 Jun 73
ANAPHYLAXIS/ BLOOD COAGULATIO BLOOD PLATELETS/ CAPILLARY PERMEABILITY/ COMPLEMENT/ FIBRINOLYSIS/ GLOBULINS/ HISTAM LIBERATION/ HUMAN/ HYPERSENSIT DELAYED/ IMMUNOGLOBULINS, analy INFLAMMATION, immunology/ INFLAMMATION, physiopathology/ PROSTAGLANDINS/ *RHEUMATISM/ RHEUMATISM, drug therapy/ RHEUMA immunology/ RHEUMATISM, physiopath TOXINS

195. **Ballantyne A, Jones RL, Ungar A:** The ac prostaglandins A1 and A2 on airway resista compliance in the cat.
Br J Pharmacol 47:630P-631P, Mar 73
*AIRWAY RESISTANCE, drug effects/ ANIMAL EXPERIMENTS/ CATS/ *LUN COMPLIANCE, drug effects/ METHACH COMPOUNDS, pharmacodynamics/ MUS TONUS, drug effects/ NEOSTIGMINE, pharmacodynamics/ *PROSTAGLANDINS pharmacodynamics

196. **Balmain-Oligo N, Moscofian A, Plachot** Développement épiphysaire et calcificatio couche basale du cartilage articulaire.
Pathol Biol (Paris) 21:611-21, Jun 73
ANIMAL EXPERIMENTS/ *CALCIFICA PHYSIOLOGIC/ *CARTILAGE, ARTICU metabolism/ CARTILAGE, ARTICULAR radiography/ ENGLISH ABSTRACT/ *EPIPHYSES, growth & development/ EPIPHYSES, radiography/ HISTOCYTOCHEMISTRY/ HUMAN/ METAPLASIA, metabolism/ MICRORADIOGRAPHY/ RATS/ STAINS STAINING

197. **Balslov JT, Brun C, Jensen KB, et al:** C treatment of glomerular diseases. I. Ef azathioprine on serum creatinine and pro Report from a Copenhagen Study Group Diseases. Acta Med Scand 193:483-91, J
ADOLESCENCE/ ADULT/ AGE FACTO AGED/ *AZATHIOPRINE, therapeutic u CHILD/ CHILD, PRESCHOOL/ *CREAT blood/ FEMALE/ GLOMERULONEPHRI drug therapy/ HUMAN/ KIDNEY DISE blood/ *KIDNEY DISEASES, drug ther KIDNEY DISEASES, mortality/ KIDNE DISEASES, urine/ LUPUS ERYTHEMA SYSTEMIC, blood/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug t LUPUS ERYTHEMATOSUS, SYSTEMIC MALE/ MIDDLE AGE/ NEPHROTIC SYNDROME, drug therapy/ PREDNISO therapeutic use/ PROGNOSIS/ PROTEINURIA/ SEX FACTORS/ TIME FACTORS

198. **Banerjee S, Sahni SL, Sinha DP:** The role of

and endocrine activity in the development of eggs in Culex fatigans. Experientia 29:616-7, 15 May 73
ANIMAL EXPERIMENTS/ CULEX, growth & development/ *CULEX, physiology/ *DIET/ ENDOCRINE GLANDS, physiology/ FEMALE/ NEUROSECRETORY SYSTEMS, physiology/ OVUM, growth & development

Banerjee SP, Snyder SH: Methyltetrahydrofolic acid mediates N- and O-methylation of biogenic amines. Science 182:74-5, 5 Oct 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BRAIN, enzymology/ CARBON ISOTOPES/ CHICKENS/ *COENZYMES, metabolism/ FEMALE/ *FOLIC ACID, metabolism/ HALLUCINOGENS, metabolism/ LIVER, enzymology/ LUNG, enzymology/ MALE/ METHYLAMINES, metabolism/ METHYLATION/ *METHYLTRANSFERASES, metabolism/ MYOCARDIUM, enzymology/ NORSYNEPHRINE, metabolism/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ SEROTONIN, metabolism/ TETRAHYDROFOLATES, metabolism/ TRYPTAMINES, metabolism/ TYRAMINE, metabolism

Banna M: Craniopharyngioma in adults. Surg Neurol 1:202-4, Jul 73
ADULT/ AGED/ AMNESIA, etiology/ *BRAIN NEOPLASMS/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, occurrence/ BRAIN NEOPLASMS, radiography/ CALCINOSIS, radiography/ CEREBRAL ANGIOGRAPHY/ *CRANIOPHARYNGIOMA/ CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, occurrence/ CRANIOPHARYNGIOMA, radiography/ DEMENTIA, PRESENILE, etiology/ ENDOCRINE DISEASES, etiology/ FEMALE/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ MIDDLE AGE/ MOVEMENT DISORDERS, etiology/ PNEUMOENCEPHALOGRAPHY/ RETROSPECTIVE STUDIES/ SELLA TURCICA, radiography/ VENTRICULOGRAPHY/ VISION DISORDERS, etiology

Banzhaf M, Göpel W: Dermatomyositische syndrome und ihre immunsuppressive Therapie. (Bericht über 4 Fälle. Z Aerztl Fortbild (Jena) 67:37-41, 1 Jan 73 (Ger)
ADULT/ *AZATHIOPRINE, therapeutic use/ DERMATOMYOSITIS, diagnosis/ *DERMATOMYOSITIS, drug therapy/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use

Baran DT, Peck WA, Frengley PA, et al: Cortisol-induced inhibition of amino acid transport in thymic lymphocytes: kinetic parameters; relation to ATP levels and protein synthesis; and specificity. Biochim Biophys Acta 307:627-39, 25 May 73
*ADENOSINE TRIPHOSPHATE, metabolism/ *AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARBON ISOTOPES/ CORTISONE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ MALE/ PROGESTERONE, pharmacodynamics/ *PROTEINS, biosynthesis/ RATS/ THYMUS GLAND, drug effects/ *THYMUS GLAND, metabolism/ TIME FACTORS/ WATER

Barbadoro S: The measurement of serum thyroxine by competitive protein binding analysis. Can J Med Technol 35:5-7 passim, Aug 73
BINDING, COMPETITIVE/ CHEMISTRY/ HUMAN/ IODINE ISOTOPES/ METHODS/ *PROTEIN BINDING/ TECHNOLOGY, MEDICAL/ *THYROXINE, blood

204. Barbarash NA, Davydova TM, Prokina NS, et al: Gipotenzivnaia aktivnost' prostaglandinopodobnykh substantsii mozgovogo veshchestva pochek krolikov pri DOKA-solevom vozdeistvii. Kardiologiia 13:81-4, May 73 (Rus)
ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS/ BLOOD PRESSURE DETERMINATION/ *DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HYPOTENSION, chemically induced/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, analysis/ *KIDNEY, physiology/ KIDNEY MEDULLA, analysis/ KIDNEY MEDULLA, physiology/ MALE/ NEPHRECTOMY/ PHOTOMETRY/ POTASSIUM, analysis/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SODIUM, analysis/ *SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ *TISSUE EXTRACTS, pharmacodynamics

205. Barbeau A: L'emploi de la levodopa dn dehors de la maladie de Parkinson. Union Med Can 101:849-52, May 72 (Fre)
CHOREA, drug therapy/ COMA, drug therapy/ *DOPA, therapeutic use/ DYSTONIA MUSCULORUM DEFORMANS, drug therapy/ ENDOCRINE DISEASES, drug therapy/ HEART DISEASES, drug therapy/ HUMAN/ LUNG DISEASES, drug therapy/ *MOVEMENT DISORDERS, drug therapy/ SKIN DISEASES, drug therapy/ TORTICOLLIS, drug therapy

206. Bardadin T: Levels and correlations of some biochemical blood components in otosclerosis. Mater Med Pol 4:77-82, Apr-Jun 72
ACID PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ EAR, MIDDLE/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ *OTOSCLEROSIS, blood/ PHOSPHORUS, blood/ PHOTOMETRY

207. Barden N, Labrie F: Cyclic adenosine 3',5'-monophosphate dependent phosphorylation of ribosomal proteins from bovine anterior pituitary gland. Biochemistry 12:3096-102, 31 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CALCIUM, pharmacodynamics/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ IN VITRO/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, enzymology/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ PROTEIN KINASE, metabolism/ RIBOSOMES, drug effects/ *RIBOSOMES, enzymology/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TRANSLATION, GENETIC, drug effects

208. Barenyi W, Austermann R, Brunner E, et al: Praktische und klinische Erfahrungen mit einer einfachen Methode zur Bestimmung der Gesamtöstrogene im Urin bei der Schwangerschaftsüberwachung. Z Geburtshilfe Perinatol 177:210-4, Jun 73 (Ger)
CHROMATOGRAPHY/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ *PRENATAL CARE

209. Barfknecht CF, Nichols DE, Rusterholz DB, et al: Potential psychotomimetics. 2-Amino-1,2,3,4-tetrahydronaphthalene analogs. J Med Chem 16:804-8, Jul 73
AMINES, chem synthesis/ AMINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BLOOD

PRESSURE, drug effects/ BROMINE, pharmacodynamics/ DISCRIMINATION LEARNING, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ *HALLUCINOGENS, chem synthesis/ HALLUCINOGENS, pharmacodynamics/ IN VITRO/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ MICE/ MOTOR ACTIVITY, drug effects/ MUSCLE CONTRACTION, drug effects/ *NAPHTHALENES, chem synthesis/ NAPHTHALENES, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ STRUCTURE-ACTIVITY RELATIONSHIP

210. **Barnes BO:** On the genesis of atherosclerosis.
J Am Geriatr Soc 21:350-4, Aug 73
ADULT/ ARTERIOSCLEROSIS, complications/ *ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, occurrence/ AUSTRIA/ AUTOPSY/ CORONARY DISEASE, occurrence/ DIABETIC ANGIOPATHIES, complications/ FEMALE/ HUMAN/ HYPERTENSION, complications/ *HYPOTHYROIDISM, complications/ INFECTION, physiopathology/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, occurrence/ SOUTH AFRICA/ THYROID HORMONES, therapeutic use/ UNITED STATES

211. **Barnes EW, Irvine WJ:** Clinical syndromes associated with thymic disorders.
Proc R Soc Med 66:151-4, Feb 73 (40 ref.)
AGAMMAGLOBULINEMIA, etiology/ ANIMAL EXPERIMENTS/ *AUTOIMMUNE DISEASES, etiology/ ERYTHROPLASIA, etiology/ HUMAN/ HYPERTHYROIDISM, etiology/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, etiology/ *LYMPHATIC DISEASES, complications/ MYASTHENIA GRAVIS, etiology/ NEOPLASMS, occurrence/ REVIEW/ THYMINE/ THYMOMA, complications/ *THYMUS GLAND/ THYMUS GLAND, immunology/ THYROIDITIS, LYMPHOMATOUS, etiology

212. **Barnes MJ, Constable BJ, Morton LF, et al:** Bone collagen metabolism in vitamin D deficiency.
Biochem J 132:113-5, Jan 73
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE AND BONES, metabolism/ CHICKENS/ CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ COLLAGEN, analysis/ *COLLAGEN, metabolism/ HYDROXYLATION/ HYDROXYLYSINE, analysis/ LYSINE, metabolism/ PEPTIDES, analysis/ RATS/ TIME FACTORS/ TRITIUM/ *VITAMIN D DEFICIENCY, metabolism

213. **Barnett JE, Rasheed A, Corina DL:** Partial reactions of D-glucose 6-phosphate-1L-myoinositiol 1-phosphate cyclase.
Biochem J 131:21-30, Jan 73
ANIMAL EXPERIMENTS/ *CARBOHYDRATE ISOMERASES/ CARBOHYDRATE ISOMERASES, analysis/ CARBOHYDRATE ISOMERASES, antagonists & inhibitors/ CARBOHYDRATE ISOMERASES, isolation & purification/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CYCLIZATION/ GEL FILTRATION/ GLUCOSEPHOSPHATES/ GLUCOSEPHOSPHATES, analysis/ GLUCOSEPHOSPHATES, chem synthesis/ INOSITOL/ KINETICS/ MALE/ MOLECULAR WEIGHT/ NAD/ PROTEIN BINDING/ RATS/ SUGAR ALCOHOLS/ TESTIS, enzymology/ TIME FACTORS/ TRITIUM

214. **Barratt ES, Adams PM:** Chronic marijuana usage and sleep-wakefulness cycles in cats.
Biol Psychiatry 6:207-14, Jun 73
ADMINISTRATION, ORAL/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *CANNABIS, pharmacodynamics/ CATS/ CEREBRAL CORTEX, drug effects/ *CIRCADIAN RHYTHM, drug effects/

DISEASE MODELS, ANIMAL/ DRUG A
ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ MALE/ RETICULAR FORMATION, drug effects *SLEEP, drug effects/ SLEEP, REM, d effects/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics/ THALAMUS, drug e *WAKEFULNESS, drug effects

215. **Barrieux A, Long GL, Garren LD:** The synthesis associated with the nuclear membrane of gu adrenal cells.
Biochim Biophys Acta 312:228-42, 23 Ju
ADRENAL GLANDS, cytology/ *ADREN GLANDS, drug effects/ *ADRENAL GL enzymology/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL FRACTIONATI CELL NUCLEUS, drug effects/ CELL NUCLEUS, enzymology/ CENTRIFUGAT DENSITY GRADIENT/ CORTICOTROPI pharmacodynamics/ DNA, biosynthesis/ NUCLEOTIDYL- TRANSFERASES, meta *DNA REPLICATION/ FEMALE/ GUIN PIGS/ ISOTOPE LABELING/ KINETICS MEMBRANES, enzymology/ PROTEIN BINDING/ TIME FACTORS/ TRITIUM

216. **Barry A:** Dysfunctional uterine bleeding.
J Ir Med Assoc 66:287-90, 9 Jun 73
FEMALE/ HUMAN/ MENSTRUATION/ OVARIAN DISEASES, complications/ OVARIAN DISEASES, etiology/ UTERI HEMORRHAGE, diagnosis/ *UTERINE HEMORRHAGE, etiology/ UTERINE HEMORRHAGE, therapy

217. **Barry J:** Etude des modifications du no hypothalamique latéro-dorsal interstitiel cobays albinos femelle au cours de la p croissance prépubertaire de l'ovaire.
C R Soc Biol (Paris) 166:1720-3, 1972
ANIMAL EXPERIMENTS/ FSH, blood/ physiology/ GUINEA PIGS/ HYPOTHALAMUS, anatomy & histology METHODS/ *OVARY, growth & develo *PUBERTY

218. **Barry J, Dubois MP, Poulain P, et al:** Caractéri topographie des neurones hypothalamiqu immunoréactifs avec des anticorps anti- synthèse.
C R Acad Sci [D] (Paris) 276:3191-3, 13 Jun
ANIMAL EXPERIMENTS/ *ANTIBODIE ANTIGEN-ANTIBODY REACTIONS/ COLCHICINE, pharmacodynamics/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ *HYPOTHALAMUS/ HYPOTHALAMUS, cytology/ IMMUNE SERUMS/ LH/ MALE/ *NEURONS/ PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY/ SE ALBUMIN

219. **Bartels HJ, Hesch RD:** Increasing B-F-standar and the question of optimal sensitivity and p in radioimmunochemical determination n
Acta Endocrinol [Suppl] (Kbh) 173:59,
METHODS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY, standards/ TRIIODOTHYRONINE, analysis

220. **Bartels O:** Notfalltherapie beim manifesten
Fortschr Med 91:777-80, 21 Jun 73
ACIDOSIS, drug therapy/ ADRENAL C HORMONES, therapeutic use/ BICARBONATES, therapeutic use/ CAPILLARY PERMEABILITY, drug eff *EMERGENCIES/ HEART MASSAGE/ H MICROCIRCULATION, drug effects/ PL SUBSTITUTES, therapeutic use/ RESPIRATION, ARTIFICIAL/ SHOCK, etiology/ *SHOCK, therapy/ SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, therapy/ SHOCK, HEMORRHAGIC, drug therapy/ SHOCK HEMORRHAGIC, therapy/ SHOCK, TO therapy/ SPIRONOLACTONE, therapeut VASOCONSTRICTOR AGENTS,

therapeutic use/ VASODILATOR AGENTS, therapeutic use

1. **Barth L:** Paradoxical interaction between halothane and pancuronium. Anaesthesia 28:514-20, Sep 73
ADULT/ AGED/ *ANDROSTANES, pharmacodynamics/ *ANESTHESIA, GENERAL/ *CURARE-LIKE AGENTS, pharmacodynamics/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ *HALOTHANE, pharmacodynamics/ HUMAN/ MIDDLE AGE/ MUSCLES, drug effects/ MYOGRAPHY/ NEUROMUSCULAR JUNCTION, drug effects/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ TIME FACTORS

Barthwal JP, Gupta TK, Gupta ML, et al: Role of catecholamines in the mediation of peripheral effects of female sex hormones.
Jap J Pharmacol 23:349-54, Jun 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ *CATECHOLAMINES, metabolism/ DEPRESSION, CHEMICAL/ *DIETHYLSTILBESTROL, pharmacodynamics/ DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ FEMALE/ NOREPINEPHRINE, metabolism/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ UTERUS, drug effects/ *UTERUS, metabolism

Bartlett F, John ER: Equipotentiality quantified: the anatomical distribution of the engram.
Science 181:764-7, 24 Aug 73
ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CATS/ CEREBRAL CORTEX, physiology/ DECISION MAKING/ DIENCEPHALON, physiology/ DISCRIMINATION LEARNING/ *EVOKED POTENTIALS/ GENICULATE BODIES, physiology/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *MEMORY/ RETICULAR FORMATION, physiology/ SUBSTANTIA NIGRA, physiology

Barzilai A, Paldi E, Gal D, et al: Autotransplantation of the uterus and ovaries in dogs.
Isr J Med Sci 9:49-52, Jan 73
ANIMAL EXPERIMENTS/ ARTERIES, surgery/ DOGS/ FEMALE/ HYSTEROSALPINGOGRAPHY/ LAPAROTOMY/ OMENTUM, blood supply/ OMENTUM, surgery/ OVARY, blood supply/ *OVARY, transplantation/ PREGNANCY/ PREGNANCY, ANIMAL/ *TRANSPLANTATION, AUTOLOGOUS/ UTERUS, blood supply/ *UTERUS, transplantation/ VAGINAL SMEARS/ VEINS, surgery

Basler RS: Bullous erythema multiforme with benign neoplasm. JAMA 225:995, 20 Aug 73
BLISTER, complications/ *ERYTHEMA MULTIFORME, complications/ ERYTHEMA MULTIFORME, drug therapy/ ERYTHEMA MULTIFORME, immunology/ FEMALE/ HUMAN/ *LEIOMYOMA, complications/ PREDNISONE, therapeutic use/ *STOMACH NEOPLASMS, complications

Bassiri RM, Utiger RD: Metabolism and excretion of exogenous thyrotropin-releasing hormone in humans.
J Clin Invest 52:1616-9, Jul 73
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, blood/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, urine

Basso AG, Netto IC, Cockett AT: Renal preservation with a modified intracellular hypothermic solution.
Invest Urol 11:136-40, Sep 73
ANIMAL EXPERIMENTS/ BIOPSY/ DOGS/ FEMALE/ FOLLOW-UP STUDIES/ KIDNEY, pathology/ *KIDNEY, transplantation/ MALE/ METHODS/ METHYLPREDNISOLONE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ SOLUTIONS/ TIME FACTORS/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS

228. **Basso L, Musso D:** Utilità del clofibrate nel trattamento del diabete insipido.
Arch E Maragliano Patol Clin 28:125-31, Jan-Jun 72 (Ita)
ADULT/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN

229. **Bastin R, Christol D, Kernbaum S, et al:** Leucémie lymphoïde chronique suivie d'une périartérite noueuse.
Ann Med Interne (Paris) 124:119-25, Feb 73 (Fre)
BIOPSY/ BLOOD CELL COUNT/ BLOOD PLATELETS/ DIETARY CARBOHYDRATES/ HUMAN/ HYDROXYCHLOROQUINE, therapeutic use/ *LEUKEMIA, LYMPHOCYTIC, complications/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ MALE/ MIDDLE AGE/ MUSCLES, pathology/ PERIARTERITIS NODOSA, diagnosis/ PERIARTERITIS NODOSA, drug therapy/ *PERIARTERITIS NODOSA, etiology/ PERIARTERITIS NODOSA, pathology/ PREDNISONE, therapeutic use/ SPLENOMEGALY, radiotherapy/ SULFONAMIDES, therapeutic use

230. **Bath DW, Gendel BR:** Giesma banding of meiotic chromosomes. Lancet 2:455, 25 Aug 73
*CHROMOSOMES/ *MEIOSIS/ SEX CHROMOSOMES/ STAINS AND STAINING

231. **Batuman V:** Antidiuretic action of chlorpropamide.
Lancet 2:684, 22 Sep 73
ADENYL CYCLASE, physiology/ *CHLORPROPAMIDE, pharmacodynamics/ DIABETES INSIPIDUS, drug therapy/ *DIURETICS, antagonists & inhibitors/ HUMAN/ MALE/ MIDDLE AGE

232. **Bauch K, Büttner W, Lewicki I, et al:** Zum Verhalten der Immunglobuline und des histologischen Befundes unter immunsuppressiver Therapie bei chronischen Leberekrankungen.
Z Gesamte Inn Med 28:Suppl:169-72, 1 Jun 73 (Ger)
ADULT/ AGED/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEPATITIS, drug therapy/ HEPATITIS, immunology/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, analysis/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, immunology/ LIVER DISEASES, drug therapy/ *LIVER DISEASES, immunology/ LIVER DISEASES, pathology/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PROGNOSIS

233. **Baudouin-Legros M, Meyer P:** Effects of angiotensin, catecholamines and cyclic AMP on calcium storage in aortic microsomes. Br J Pharmacol 47:377-85, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *AORTA, cytology/ AORTA, metabolism/ CALCIUM, administration & dosage/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CATECHOLAMINES, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MICROSCOPY, ELECTRON/ MICROSOMES, drug effects/ *MICROSOMES, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SODIUM, pharmacodynamics

234. **Bauer RB, Tellez H:** Dexamethasone as treatment in cerebrovascular disease. 2. A controlled study in acute cerebral infarction. Stroke 4:547-55, Jul-Aug 73
AGED/ ATTENTION/ CEREBRAL ANGIOGRAPHY/ CEREBRAL EMBOLISM AND THROMBOSIS, drug therapy/

CEREBROVASCULAR DISORDERS, cerebrospinal fluid/ CEREBROVASCULAR DISORDERS, complications/ *CEREBROVASCULAR DISORDERS, drug therapy/ CEREBROVASCULAR DISORDERS, mortality/ CLINICAL RESEARCH/ COGNITION/ COMA/ CONSCIOUSNESS/ *DEXAMETHASONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ INTRACRANIAL PRESSURE, drug effects/ MALE/ MOTOR SKILLS/ ORIENTATION/ PLACEBOS/ PROSPECTIVE STUDIES/ REFLEX/ SPEECH

235. **Bauer S:** Langsame Viren und ZNS.
Nervenarzt 44:337-51, Jul 73 **(Ger)**
BRAIN DISEASES, diagnosis/ BRONCHIAL NEOPLASMS, complications/ *CENTRAL NERVOUS SYSTEM DISEASES, diagnosis/ CREUTZFELDT-JAKOB DISEASE, diagnosis/ FEMALE/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ KURU, diagnosis/ LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL, complications/ LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL, diagnosis/ LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL, pathology/ LYMPHOSARCOMA, complications/ MALE/ MINK/ NEUROMUSCULAR DISEASES, complications/ OVARIAN NEOPLASMS, complications/ PAPOVAVIRUS/ POLYNEURITIS, complications/ REVIEW/ SCRAPIE, diagnosis/ *SLOW VIRUS DISEASES, diagnosis/ STOMACH NEOPLASMS, complications/ SUBACUTE SCLEROSING PANENCEPHALITIS, pathology

236. **Baum JL:** Systemic disease associated with tear deficiencies. Int Ophthalmol Clin 13:157-84, Spring 73
AUTONOMIC DYSFUNCTION, physiopathology/ BRAIN INJURIES, ACUTE, physiopathology/ ECTODERMAL DYSPLASIA, physiopathology/ ERYTHEMA MULTIFORME, physiopathology/ EYE DISEASES, complications/ EYE DISEASES, familial & genetic/ HUMAN/ KERATOCONJUNCTIVITIS, etiology/ LACRIMAL APPARATUS, abnormalities/ LACRIMAL APPARATUS, physiopathology/ *LACRIMAL APPARATUS, secretion/ NERVOUS SYSTEM DISEASES, physiopathology/ NEUROMA, physiopathology/ PEMPHIGUS, physiopathology/ PERCEPTUAL DISORDERS, physiopathology/ PHEOCHROMOCYTOMA, physiopathology/ REFLEX, ABNORMAL/ SARCOIDOSIS, physiopathology/ SECRETORY RATE/ SJOGREN'S SYNDROME, physiopathology/ SPACE PERCEPTION/ *TEARS, secretion/ THYROID NEOPLASMS, physiopathology/ VITAMIN A DEFICIENCY, physiopathology

237. **Baumann RP:** Confrontation anatomo-clinique: lupus érythémateux disséminé.
Rev Med Suisse Romande 92:679-82, Sep 72 **(Fre)**
ADULT/ ASPERGILLOSIS, complications/ AUTOPSY/ FEMALE/ GLOMERULONEPHRITIS, etiology/ HUMAN/ ILEUM, pathology/ KIDNEY, pathology/ LUNG, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ PREDNISONE, therapeutic use/ SPLEEN, pathology

238. **Baumgarten HG:** Biogenic monoamines in the cyclostome and lower vertebrate brain.
Prog Histochem Cytochem 4:1-90, 1972 (122 ref.)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BIOGENIC AMINES, physiology/ *BRAIN, metabolism/ BRAIN, physiology/ BRAIN CHEMISTRY/ *CYCLOSTOMES, metabolism/ DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ PITUIT GLAND, POSTERIOR, metabolism/ RETICULAR FORMATION, metabolism/ REVIEW/ SEROTONIN, metabolism/ TEGMENTUM MESENCEPHALI, metaboli TELENCEPHALON, metabolism

239. **Baumgarten HG, Victor SJ, Lovenberg W:** Ef intraventricular injection of 5,7-dihydroxytryp on regional tryptophan hydroxylase of rat
J Neurochem 21:251-3, Jul 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ *HYDROXYLASES, metabolism/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ MALE/ SPINAL CORD, drug effects/ SPINAL C enzymology/ *TRYPTAMINES, pharmacodynamics/ TRYPTOPHAN HYDROXYLASE, metabolism

240. **Bavaud C:** Endotoxinämie und Nebennierenrindenblutungen. Experimente Untersuchungen an ACTH-vorbehandelten
Virchows Arch [Pathol Anat] 360:71-7, 197
*ADRENAL GLAND DISEASES, patholog ADRENAL GLANDS, blood supply/ ANI EXPERIMENTS/ CORTICOTROPIN, phys *ENDOTOXINS, blood/ ENGLISH ABST ESCHERICHIA COLI/ FEMALE/ HEMORRHAGE, pathology/ MALE/ RAT TIME FACTORS/ WATERHOUSE-FRIDERICHSEN SYNDRO pathology/ *WATERHOUSE-FRIDERICHS SYNDROME, physiopathology

241. **Baxter MG, Fowler LJ, Miller AA, et al** behavioural and anticonvulsant actions in ethanolamine O-sulphate, an inhibitor of 4-aminobutyrate aminotransferase.
Br J Pharmacol 47:681P, Mar 73
AMINOBUTYRIC ACID/ AMINOBUTYRI ACID, analysis/ *AMINOTRANSFERASES antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, pharmacodynamics/ *BEHAVIOR, ANIMA drug effects/ BRAIN CHEMISTRY, drug effects/ ELECTROSHOCK/ *ETHANOLA pharmacodynamics/ KETOGLUTARIC AC MICE/ MOTOR ACTIVITY, drug effects POSTURE, drug effects/ SEROTONIN, analysis/ SULFURIC ACIDS, pharmacodynamics/ TIME FACTORS

242. **Baylin SB, Beaven MA, Krauss RM, et al:** Resp plasma histaminase activity to small doses of in normal subjects and patients with hyperlipoproteinemia. J Clin Invest 52:1985-93
ADOLESCENCE/ ADULT/ *BLOOD PRO DISORDERS, enzymology/ CARCINOMA, enzymology/ CHILD/ CHILD, PRESCHO CHOLESTEROL, blood/ DOSE-RESPONS RELATIONSHIP, DRUG/ FEMALE/ HEP administration & dosage/ *HEPARIN, pharmacodynamics/ *HISTAMINASE, blo HUMAN/ INJECTIONS, INTRAVENOUS/ LIPOPROTEIN LIPASE, antagonists & inhibitors/ *LIPOPROTEINS, blood/ MA MIDDLE AGE/ MONOAMINE OXIDASE, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, enzymology/ RADIOIMMUNOASSAY/ THYROID NEOPLASMS, enzymology/ TRIGLYCER blood

243. **Bayliss RI:** The management of thyroid c
Trans Med Soc Lond 88:34-9, 1972
ADOLESCENCE/ ADULT/ AGE FACTO CARBIMAZOLE, adverse effects/ CARBIMAZOLE, therapeutic use/ CHIL GOITER, drug therapy/ GOITER, preve & control/ HUMAN/ HYPERTHYROIDIS diagnosis/ HYPERTHYROIDISM, drug t HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ IOD administration & dosage/ IODINE, ther use/ IODINE ISOTOPES, therapeutic us PROPRANOLOL, therapeutic use/ THIOURACIL, therapeutic use/ THYRO ANTAGONISTS, administration & dosag

*THYROID DISEASES, drug therapy/ THYROXINE, administration & dosage/ THYROXINE, blood/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, pharmacodynamics/ TRIIODOTHYRONINE, therapeutic use

. **Beachley MC, Graham FH Jr:** Hypochondroplastic dwarfism (enchondral chondrodystrophy) in a dog. J Am Vet Med Assoc 163:283-4, 1 Aug 73
ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOG DISEASES, familial & genetic/ DOG DISEASES, radiography/ DOGS/ DWARFISM, familial & genetic/ DWARFISM, radiography/ *DWARFISM, veterinary/ EXOSTOSES, MULTIPLE, familial & genetic/ EXOSTOSES, MULTIPLE, radiography/ *EXOSTOSES, MULTIPLE, veterinary/ MALE

. **Beamer N, Hagemenas FC, Kittinger GW:** Development of cortisol binding in the rhesus monkey. Endocrinology 93:363-8, Aug 73
ANIMALS, NEWBORN/ BLOOD PROTEINS, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ *HYDROCORTISONE, blood/ MACACA/ MALE/ MONKEYS/ PROTEIN BINDING/ RATS/ SEX FACTORS

Bean SF, South MA: Cutaneous manifestations of immunogenetic deficiency disorders. J Invest Dermatol 60:503-8, Jun 73 (14 ref.)
ADOLESCENCE/ AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, familial & genetic/ ALDRICH SYNDROME, complications/ ALDRICH SYNDROME, familial & genetic/ AUTOIMMUNE DISEASES, familial & genetic/ CHILD/ DWARFISM, complications/ DWARFISM, familial & genetic/ ECZEMA, etiology/ GENES, RECESSIVE/ HERPES SIMPLEX, etiology/ HUMAN/ IGM/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ MALE/ MONILIASIS, CUTANEOUS, etiology/ PYODERMA, etiology/ REVIEW/ SEX CHROMOSOMES/ *SKIN DISEASES, etiology/ VACCINIA, etiology

Beato M, Kalimi M, Konstam M, et al: Interaction of glucocorticoids with rat liver nuclei. II. Studies on the nature of the cytosol transfer factor and the nuclear acceptor site. Biochemistry 12:3372-9, 28 Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CELL FRACTIONATION/ CELL NUCLEOLUS, metabolism/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ CHROMATIN, metabolism/ *CYTOSOL/ DEOXYRIBONUCLEASE, pharmacodynamics/ DEXAMETHASONE, metabolism/ DNA, metabolism/ GLUCOCORTICOIDS/ HYDROCORTISONE, metabolism/ LIVER, cytology/ *LIVER, metabolism/ *PROTEINS, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ SODIUM CHLORIDE/ TEMPERATURE/ TRANSCORTIN, pharmacodynamics/ TRITIUM

Beatty WW: Persistent depression of wood-gnawing following ventromedial hypothalamic lesions in the rat. Physiol Behav 8:383-4, Feb 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CONDITIONING, OPERANT/ *EATING/ *FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ OBESITY/ RATS/ STEREOTAXIC TECHNICS/ WOOD

Beaudoin JG, Guttmann RD, Morehouse DD, et al: Improvement in cadaveric renal transplant survival. Arch Surg 107:245-9, Aug 73
AGE FACTORS/ ANTILYMPHOCYTE SERUM, adverse effects/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ BIOPSY, NEEDLE/ BRAIN DEATH/ *CADAVER/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ FOLLOW-UP STUDIES/ *GRAFT REJECTION, drug effects/ GRAFT REJECTION, radiation effects/ HISTOCOMPATIBILITY ANTIGENS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ INJECTIONS, INTRAVENOUS/ *KIDNEY, transplantation/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ QUEBEC/ TRANSPLANTATION, mortality/ TRANSPLANTATION, HOMOLOGOUS

250. **Beaugrand J, St. Laurent J:** Effects of -methyl-p-tyrosine and L-DOPA on brain self-stimulation and motor activity in rats. Br J Pharmacol 47:609-12, Mar 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, drug effects/ *DOPA, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ *METHYLTYROSINES, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ RATS/ *SELF STIMULATION/ TIME FACTORS

251. **Bećarević A, Chebath J, Poirée JC, et al:** Polyadenylic acid segment in polyribosomal ribonucleic acid of cultured thyroid cells. FEBS Lett 29:164-6, 15 Jan 73
*ADENINE NUCLEOTIDES, analysis/ ADENOSINE, metabolism/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CENTRIFUGATION/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ POLYRIBOSOMES, analysis/ *RNA, MESSENGER, analysis/ RNA, MESSENGER, biosynthesis/ *THYROID GLAND, analysis/ THYROID GLAND, cytology/ THYROID GLAND, metabolism/ TRITIUM/ URIDINE, metabolism

252. **Bechamps GJ:** Torsion of normal uterine adnexa. J Pediatr Surg 8:553, Aug 73
ADNEXAL DISEASES, complications/ *ADNEXAL DISEASES, surgery/ CALCINOSIS, etiology/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, complications/ *INFANT, NEWBORN, DISEASES, surgery/ NECROSIS, etiology/ OVARY, surgery/ TORSION, surgery

253. **Beck KJ, Schönhöfer P, Schiebusch H:** Studies on cyclic adenosine 3':5' monophosphate concentrations in human cervical mucus. Acta Endocrinol [Suppl] (Kbh) 173:43, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *CERVIX MUCUS, analysis/ FEMALE/ HUMAN/ MENSTRUATION/ OVULATION/ PREGNANCY/ TIME FACTORS

254. **Beck LH, Senesky D, Goldberg M:** Sodium-independent active potassium reabsorption in proximal tubule of the dog. J Clin Invest 52:2641-5, Oct 73
ACETAZOLAMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DOGS/ ELECTRON PROBE MICROANALYSIS/ FEMALE/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, metabolism/ METABOLIC CLEARANCE RATE/ PARATHYROID GLANDS, physiology/ *POTASSIUM, metabolism/ PUNCTURES/ SODIUM, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ THYROID GLAND, physiology/ WATER, metabolism

255. **Becker FO, Schwartz TB:** Normal fluoride 18 bone scans in metastatic bone disease. JAMA 225:628-9, 6 Aug 73
AUTOPSY/ BIOPSY, NEEDLE/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, pathology/ *CARCINOMA, diagnosis/ CARCINOMA, pathology/ *CARCINOMA, EPIDERMOID, diagnosis/ CARCINOMA, EPIDERMOID, pathology/ DIAGNOSTIC ERRORS/ FALSE NEGATIVE REACTIONS/ FLUORIDES/ HUMAN/ HYPERCALCEMIA, diagnosis/ LUNG, radiography/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/

*RADIOISOTOPE SCANNING/ RADIOISOTOPES/ SPINE

256. **Becker H, Grabosch E, Hoffmann C, et al:** Metabolism and mode of action of androgens in target tissues of male rats. 3. Metabolism of 5 alpha-androstane-3,17-dione, of 5 alpha-androstane-3 beta,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol in target organs and peripheral tissues.
Acta Endocrinol (Kbh) 73:407-16, Jun 73
ANDROSTANES, blood/ *ANDROSTANES, metabolism/ ANDROSTERONE, blood/ ANIMAL EXPERIMENTS/ CASTRATION/ 17-HYDROXYCORTICOSTEROIDS, blood/ MALE/ MUSCLES, metabolism/ PROSTATE, metabolism/ RATS/ STEROLS, blood/ TRITIUM

257. **Becker HD, Konturek SJ, Reeder DD, et al:** Effect of calcium and calcitonin on gastrin and gastric secretion in cats.
Am J Physiol 225:277-80, Aug 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CALCIUM, administration & dosage/ *CALCIUM, pharmacodynamics/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GASTRECTOMY/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, secretion/ *GASTRIN, blood/ HISTAMINE, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ SECRETORY RATE, drug effects/ STOMACH, drug effects/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, pharmacodynamics

258. **Beckerhoff R, Kappeler M, Vetter W, et al:** Response of plasma aldosterone to various stimuli in the angiotensin II-immune rabbit.
Acta Endocrinol [Suppl] (Kbh) 173:158, 1973
*ALDOSTERONE, blood/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOODLETTING/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, pharmacodynamics/ DIET, SALT-FREE/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

259. **Beckerhoff R, Wilkinson R, Luetscher JA, et al:** Exakte Messung subnormaler Reninkonzentrationen bei primärem Aldosteronismus mittels radioimmunologischen Nachweises von Angiotensin.
Verh Dtsch Ges Inn Med 78:1508-10, 1972 (Ger)
ANGIOTENSIN, blood/ HUMAN/ *HYPERALDOSTERONISM, blood/ METHODS/ RADIOIMMUNOASSAY/ *RENIN, blood

260. **Beckers C, Cornette C, Thalasso M:** Réactivité hypophysaire á la "thyrotropin-releasing hormone" (TRH) chez des patients hyperthyroïdiens considérés comme guéris cliniquement.
Ann Endocrinol (Paris) 33:642-4, Nov-Dec 72 (Fre)
ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ *PITUITARY GLAND FUNCTION TESTS/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, diagnostic use/ TRIIODOTHYRONINE, blood

261. **Beckers C, Thalasso M, Cornette C:** Microdosage de la thyroxine du sérum par la méthode radio-immunologique.
Ann Endocrinol (Paris) 33:645-50, Nov-Dec 72 (Fre)
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ METHODS/ RABBITS/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

262. **Bedrak E, Samoiloff V, Sod-Moriah UA:** Metabolism of 3-beta-hydroxy-5-ene steroids by testes of rats acclimatized to a hot environment.
J Endocrinol 58:207-17, Aug 73
*ACCLIMATIZATION/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CRYPTORCHISM, metabolism/ DEHYDROEPIANDROSTERONE, metaboli *HEAT/ 17-HYDROXYCORTICOSTEROIDS metabolism/ *HYDROXYPREGNENOLONE metabolism/ HYDROXYPROGESTERONE, metabolism/ IN VITRO/ MALE/ NADP/ *PREGNENOLONE, metabolism/ RATS/ TESTIS, anatomy & histology/ TESTIS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TISSUE EXTRACTS

263. **Bedrak E, Samoiloff V, Schachak M:** An biosynthesis by testicular tissue of the rodents, Acomys cahirinus and Gerbillus da
J Reprod Fertil 34:93-104, Jul 73
*ANDROGENS, biosynthesis/ ANDROSTENEDIONE, metabolism/ ANI EXPERIMENTS/ CARBON ISOTOPES/ *DESERT CLIMATE/ ECOLOGY/ *GERB metabolism/ HAMSTERS/ HYDROXYPROGESTERONE, metabolism/ HYDROXYSTEROID DEHYDROGENASE/ HYDROXYSTEROIDS, metabolism/ IN V MICE/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ *RODENT metabolism/ STEROIDS, metabolism/ *T metabolism/ TESTOSTERONE, metaboli TRITIUM

264. **Bedwani JR:** Effects of hormones, prostaglan cyclic-AMP on the synthesis of progesteron human placenta in vitro.
J Reprod Fertil 34:141-5, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORM pharmacodynamics/ HUMAN/ IN VITRO NADP, pharmacodynamics/ *PLACENTA effects/ PLACENTA, metabolism/ *PROGESTERONE, biosynthesis/ PROLA pharmacodynamics/ *PROSTAGLANDINS pharmacodynamics/ TRITIUM

265. **Beermann W:** Chromomeres and genes.
Results Probl Cell Differ 4:1-33, 1972 (
ANIMAL EXPERIMENTS/ *CHROMATI CHROMOSOME MAPPING/ CHROMOSO analysis/ DIPTERA/ DNA, analysis/ DN REPLICATION/ DROSOPHILA MELANOGASTER/ *GENES/ GENETIC GENETIC COMPLEMENTATION TEST/ HETEROCHROMATIN/ MICROSCOPY, ELECTRON/ MUTATION/ OPERON/ PHENOTYPE/ RADIATION EFFECTS/ REVIEW/ SEX CHROMOSOMES, analysi CHROMOSOMES, radiation effects

266. **Beevers DG:** Mineralocorticoids and rectal difference.
Lancet 2:682-3, 22 Sep 73
ALDOSTERONE, blood/ ALDOSTERONE secretion/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, complications/ HYPOKALEMIA, complications/ MEMBR POTENTIALS, drug effects/ *MINERALOCORTICOIDS, physiology/ *RECTUM, physiology/ RENIN, blood

267. **Bekauri NV, Bazanova MI, Kolosova LI, et al:** gipofiza i nadpochechnikov v regulyatsii vnutriglaznogo davleniia.
Fiziol Zh SSSR 59:1102-7, Jul 73
ANIMAL EXPERIMENTS/ *CORTICOTR pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ ELECTRIC STIMUL ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ HYPOTHALAMUS, physiology/ *INTRAOCULAR PRESSUR MAMMILLARY BODIES, physiology/ *PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ PUPIL, innervation/ PUPIL, physiology/ RABBITS

8. **Bekirov M, Krekhova MA:** Vliianie khorionicheskogo gonadotropina na funktsiiu kory nadpochechnikov u intaktnykh i goadnektomirovannykh krys.
Probl Endokrinol (Mosk) 19:61-6, May-Jun 73 **(Rus)**
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, drug effects/ ALDOSTERONE, analysis/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ CHOLESTEROL, analysis/ CHROMATOGRAPHY/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADS, physiology/ HYDROXYCORTICOSTEROIDS, analysis/ HYDROXYPROGESTERONE, analysis/ MALE/ ORGAN WEIGHT/ PITUITARY-ADRENAL FUNCTION TESTS/ PREGNENOLONE/ PROGESTERONE, analysis/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Beliakov NV, Semushin BV: Registriruiushchaia apparatura dlia biologicheskikh metodov opredeleniia tkanevykh gormonov. Lab Delo 10:630-2, 1972 **(Rus)**
*BIOLOGICAL ASSAY, instrumentation/ *HORMONES, analysis/ *MUSCLE CONTRACTION

Beliel OM, Singer FR, Coburn JW: Prostaglandins: effect on plasma calcium concentration.
Prostaglandins 3:237-41, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ *CALCIUM, blood/ CATTLE/ DIARRHEA/ DOGS/ INJECTIONS, INTRA-ARTERIAL/ PARATHYROID GLANDS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STIMULATION, CHEMICAL/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics

Belikhova EL, Smirnov NP, Iudenich ON: Sostav i sroki prebyvaniia bol'nykh v endokrinologicheskikh statsionarakh.
Probl Endokrinol (Mosk) 19:43-5, May-Jun 73 **(Rus)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ DIABETES MELLITUS, therapy/ *ENDOCRINE DISEASES, therapy/ ENGLISH ABSTRACT/ FEMALE/ *HOSPITAL DEPARTMENTS/ *HOSPITALIZATION/ HUMAN/ HYPERTHYROIDISM, therapy/ *LENGTH OF STAY/ MALE/ MIDDLE AGE/ MOSCOW/ SEX FACTORS

Bell JG, Christie AA: Gas-liquid chromatographic determination of vitamin D in cod-liver oil.
Analyst 98:268-73, Apr 73
*CHROMATOGRAPHY, GAS/ *FISH LIVER OILS, analysis/ METHODS/ *VITAMIN D, analysis

Bell NH: Stimulation of calcitonin release in vitro by purine and pyrimidine nucleotides.
Nature [New Biol] 245:85-6, 19 Sep 73
ANIMAL EXPERIMENTS/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ GUANINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ IN VITRO/ INOSINE NUCLEOTIDES, pharmacodynamics/ *NUCLEOTIDES, pharmacodynamics/ PURINE NUCLEOTIDES, pharmacodynamics/ PYRIMIDINE NUCLEOTIDES, pharmacodynamics/ STIMULATION, CHEMICAL/ SWINE/ *THYROCALCITONIN, secretion/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion/ URACIL NUCLEOTIDES, pharmacodynamics

Bell RL: Serum tests for thyroid function.
J Tenn Med Assoc 66:626-7, Jun 73
HUMAN/ HYPERTHYROIDISM, diagnosis/ *PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood

275. **Bell WE, McCormick WF:** Increased intracranial pressure in children.
Major Probl Clin Pediatr 8:3-260, 1972 (9 ref.)
ADOLESCENCE/ BACTERIAL INFECTIONS, complications/ BRAIN ABSCESS, complications/ *BRAIN DISEASES, complications/ BRAIN DISEASES, diagnosis/ BRAIN EDEMA, complications/ BRAIN NEOPLASMS, complications/ BURNS, complications/ CHILD/ CHILD, PRESCHOOL/ ENCEPHALITIS, complications/ ENCEPHALOCELE, complications/ EYE MANIFESTATIONS/ FEMALE/ HEAD INJURIES, complications/ HEMATOMA, SUBDURAL, complications/ HUMAN/ HYDROCEPHALUS, complications/ INFANT/ INFANT, NEWBORN/ *INTRACRANIAL PRESSURE/ LEAD POISONING, complications/ MALE/ MENINGITIS, complications/ PITUITARY NEOPLASMS, complications/ PSEUDOTUMOR CEREBRI, complications/ RESPIRATORY INSUFFICIENCY, complications/ REVIEW

276. **Bell WR, Wentz AC:** Abortion and coagulation by prostaglandin. Intra-amniotic dinoprost tromethamine effect on the coagulation and fibrinolytic systems. JAMA 225:1082-4, 27 Aug 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ *BLOOD COAGULATION, drug effects/ CATHETERIZATION/ COMPARATIVE STUDY/ FEMALE/ FIBRIN, metabolism/ FIBRINOGEN, metabolism/ *FIBRINOLYSIS, drug effects/ HEMATOCRIT/ HUMAN/ LEUKOCYTE COUNT/ METHODS/ NEEDLES/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PROTHROMBIN TIME/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ TROMETHAMINE, administration & dosage/ *TROMETHAMINE, pharmacodynamics

277. **Belleville J:** Effets de la thyroïdectomie sur les activités phospholipasique A2, lipasique, cholestérolestérasique et trypsique du suc pancréatique et du pancréas de rat.
C R Acad Sci [D] (Paris) 277:81-4, 2 Jul 73 **(Fre)**
ANIMAL EXPERIMENTS/ ESTERASES, analysis/ LIPASE, analysis/ MALE/ PANCREAS, analysis/ *PANCREAS, enzymology/ PANCREATIC JUICE, analysis/ *PANCREATIC JUICE, enzymology/ PHOSPHOLIPASE, analysis/ RATS/ *THYROIDECTOMY/ TRYPSIN, analysis

278. **Belli I, Caresano A:** Quadri radiologici di metastasi ossee. Minerva Med 64:2828-40, 1973 **(Ita)**
*BONE NEOPLASMS, radiography/ BREAST NEOPLASMS, radiography/ BRONCHIAL NEOPLASMS, radiography/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, radiography/ LUNG NEOPLASMS, radiography/ MALE/ NEOPLASM METASTASIS, radiography/ PROSTATIC NEOPLASMS, radiography/ THYROID NEOPLASMS, radiography

279. **Bellmann O, Gerhards E:** Comparative studies on the enzymatic cleavage of steroid esters in different tissues of the rat and in adipose human tissue.
Acta Endocrinol [Suppl] (Kbh) 173:138, 1973
ACETATES/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CAPROATES/ CYTOPLASM, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ ESTERS/ HUMAN/ HYDROLYSIS/ INTESTINAL MUCOSA, metabolism/ LIVER, metabolism/ *NORETHINDRONE, metabolism/ *PREGNADIENES, metabolism/ RATS/ *TESTOSTERONE, metabolism

280. **Belz GG, Kleeberg UR:** Inhibition of Na+-K+-ATPase and 86Rb-uptake by canrenone.
Horm Metab Res 5:312, Jul 73
*ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BRAIN, cytology/ *BRAIN, enzymology/ *CARDANOLIDES, pharmacodynamics/ CATS/ CELL MEMBRANE,

enzymology/ *ERYTHROCYTES, metabolism/ KETOSTEROIDS, pharmacodynamics/ POTASSIUM/ RADIOISOTOPES/ *RUBIDIUM, blood/ SODIUM

281. **Belzer FO, Salvatierra O Jr, Schweizer RT, et al:** Prevention of wound infections by topical antibiotics in high risk patients. Am J Surg 126:180-5, Aug 73
ADULT/ *ANTIBIOTICS, administration & dosage/ AZATHIOPRINE, adverse effects/ BACITRACIN, administration & dosage/ BACITRACIN, therapeutic use/ CHILD/ KIDNEY, transplantation/ NEOMYCIN, administration & dosage/ NEOMYCIN, therapeutic use/ PREDNISONE, adverse effects/ *SURGICAL WOUND INFECTION, prevention & control/ TRANSPLANTATION, HOMOLOGOUS

282. **Ben-Jonathan N, Mical RS, Porter JC:** Superfusion of hemipituitaries with portal blood. I. LRF secretion in castrated and diestrous rats.
Endocrinology 93:497-503, Aug 73
ANIMAL EXPERIMENTS/ BLOOD/ ESTRUS/ FEMALE/ LH, blood/ LH, secretion/ OXYGEN, blood/ PERFUSION/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ PORTAL SYSTEM/ RADIOIMMUNOASSAY/ RATS

283. **Benagiano G, Ermini M, Carenza L, et al:** Studies on sustained contraceptive effects with subcutaneous polydimethylsiloxane implants. 2. Maintenance of ovarian function in patients with megestrol acetate implants. Acta Endocrinol (Kbh) 73:347-59, Jun 73
ADULT/ AMENORRHEA, chemically induced/ CAPSULES/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ CORPUS LUTEUM, growth & development/ DELAYED-ACTION PREPARATIONS/ ESTRADIOL, urine/ ESTRONE, urine/ FEMALE/ FSH, urine/ HUMAN/ LH, urine/ MEGESTROL, administration & dosage/ MEGESTROL, adverse effects/ *MEGESTROL, pharmacodynamics/ MENSTRUATION, drug effects/ OVARY, drug effects/ *OVULATION, drug effects/ PREGNANEDIOL, urine/ SILICONES

284. **Benes P, Schirazi M, Oertel GW:** Biosynthesis of steroid sulfatides. Acta Endocrinol [Suppl] (Kbh) 173:79, 1973
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CYTOSINE NUCLEOTIDES, metabolism/ *DEHYDROEPIANDROSTERONE, metabolism/ GLYCERIDES, metabolism/ GUINEA PIGS/ IN VITRO/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ PALMITIC ACID, metabolism/ *STEROIDS, biosynthesis/ STEROIDS, metabolism/ *SULFATIDES, biosynthesis/ SULFATIDES, metabolism/ TRANSFERASES, metabolism/ TRITIUM

285. **Benezis C, Loison H, Claustre J:** La Percutalgine en pathologie sportive. A propos de 110 cas traités.
Therapeutique 49:195-202, Mar 73 **(Fre)**
ADOLESCENCE/ ADULT/ *ATHLETIC INJURIES, drug therapy/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ MALE/ *NICOTINIC ACID, therapeutic use/ *SALICYLAMIDES, therapeutic use

286. **Benisch BM, Toker C:** The coexistence of an ovarian Brenner tumor and endometrial stromal sarcoma.
Mt Sinai J Med NY 40:689-92, Sep-Oct 73
*BRENNER TUMOR, complications/ BRENNER TUMOR, pathology/ ESTROGENS, secretion/ FEMALE/ HUMAN/ HYPERPLASIA/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ *SARCOMA, complications/ SARCOMA, pathology/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, pathology

287. **Benjafield JG, Rutter LF:** Thyrotrophin-releasing hormone in schizophrenia. Lancet 2:444, 25 Aug 73
*SCHIZOPHRENIA/ *THYROTROPIN RELEASING FACTOR

288. **Benjamin DR, McRoberts JW:** Polyostotic dysplasia associated with Cushing syndro
Arch Pathol 96:175-8, Sep 73
ADOLESCENCE/ ADRENAL GLANDS, pathology/ AUTOPSY/ BONE AND BON pathology/ BRAIN, pathology/ *CUSHIN SYNDROME, complications/ ENDOCRINE DISEASES, complications/ *FIBROUS DYSPLASIA OF BONE, complications/ HUMAN/ MALE/ MYOCARDIUM, pathol PANCREAS, pathology/ PARATHYROID GLANDS, pathology/ PIGMENTATION DISORDERS, complications/ PITUITARY GLAND, pathology/ SKIN, pathology/ SI pathology/ SYNDROME/ TESTIS, pathol THYMUS GLAND, pathology/ THYROID GLAND, pathology

289. **Bennett A, Stamford IF, Unger WG:** Prostagla and gastric acid secretion in man.
J Physiol (Lond) 229:349-60, Mar 73
GASTRIC JUICE, drug effects/ *GASTR JUICE, secretion/ *GASTRIC MUCOSA, metabolism/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HISTAM pharmacodynamics/ HUMAN/ INDOMETH administration & dosage/ INDOMETHAC pharmacodynamics/ INTESTINAL SECRETIONS, drug effects/ PENTAGAS administration & dosage/ PENTAGASTR pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLAN antagonists & inhibitors/ *PROSTAGLAN biosynthesis/ PROSTAGLANDINS, pharmacodynamics

290. **Bennett CM:** Effect of extracellular volume ex upon sodium reabsorption in the distal nep dogs. J Clin Invest 52:2548-55, Oct 73
ALBUMINS, pharmacodynamics/ ANIMA EXPERIMENTS/ DEXAMETHASONE, pharmacodynamics/ DOGS/ DOPAMINE, pharmacodynamics/ EXTRACELLULAR FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ ISOTONIC SOLUTION *KIDNEY TUBULES, metabolism/ KIDN TUBULES, PROXIMAL, drug effects/ K TUBULES, PROXIMAL, metabolism/ METABOLIC CLEARANCE RATE/ OSM CONCENTRATION/ POTASSIUM, blood/ POTASSIUM, urine/ SODIUM, blood/ *SODIUM, metabolism/ SODIUM, urine/ SODIUM CHLORIDE, pharmacodynamics FACTORS

291. **Bennett JE:** Diagnosis and therapy of systemic in the immunosuppressed host.
Transplant Proc 5:1255-7, Sep 73
AGRANULOCYTOSIS, complications/ AMPHOTERICIN B, therapeutic use/ ANTINEOPLASTIC AGENTS, adverse e ASPERGILLOSIS, diagnosis/ ASPERGIL drug therapy/ CRYPTOCOCCOSIS, diag CYTOSINE, therapeutic use/ DIABETES MELLITUS, complications/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ *IMMUNOSUPPRESSION/ MONILIASIS, diagnosis/ MONILIASIS, therapy/ MUCORMYCOSIS, diagnosis/ *MYCOSES, etiology/ NYSTATIN, thera use

292. **Bennett V, Cuatrecasas P:** Preparation of plasma membrane vesicles from isolated adi
Biochim Biophys Acta 311:362-80, 6 Jul
ADENYL CYCLASE, metabolism/ *ADI TISSUE, cytology/ ADIPOSE TISSUE, effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMA EXPERIMENTS/ CELL FRACTIONATIO CELL MEMBRANE/ CELL MEMBRANE effects/ CELL MEMBRANE, enzymology CELL MEMBRANE, metabolism/ ENZY ACTIVATION/ EPIDIDYMIS, cytology/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ INSUL metabolism/ IODINE ISOTOPES/ MALE

PHOSPHOLIPASE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PLANT AGGLUTININS, metabolism/ RATS/ RECEPTORS, HORMONE/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TRITIUM

Beratis NG, Hirschhorn K: Properties of placental alkaline phosphatase. 3. Thermostability and urea inhibition of isolated components of the three common phenotypes. Biochem Genet 6:1-8, Feb 72
*ALKALINE PHOSPHATASE/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ DRUG STABILITY/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ HEAT/ HUMAN/ KINETICS/ MAGNESIUM/ PHENOTYPE/ *PLACENTA, enzymology/ PREGNANCY/ PROTEIN CONFORMATION/ UREA

Berg A, Gustafsson JA: Regulation of hydroxylation of 5 alpha-androstane-3 beta, 17 beta-diol in liver microsomes from male and female rats. J Biol Chem 248:6559-67, 25 Sep 73
*ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBON MONOXIDE, pharmacodynamics/ CASTRATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HYDROXYLASES, metabolism/ HYDROXYLATION/ HYDROXYSTEROIDS, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ RATS/ SEX FACTORS/ STANOLONE, pharmacodynamics/ TESTIS, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

Berger M, Travis LB, Lorentz WB Jr, et al: Transient obstructive uropathy associated with the nephrotic syndrome: case report. J Pediatr 83:456-8, Sep 73
CHILD/ HUMAN/ *HYDRONEPHROSIS, complications/ HYDRONEPHROSIS, drug therapy/ HYDRONEPHROSIS, radiography/ MALE/ *NEPHROTIC SYNDROME, complications/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, radiography/ PREDNISONE, therapeutic use/ URETERAL DISEASES, complications/ URETERAL DISEASES, radiography/ UROGRAPHY

Berger RL, Saini VK, Long W, et al: The use of diastolic augmentation with the intra-aortic balloon in human septic shock with associated coronary artery disease. Surgery 74:601-6, Oct 73
AGED/ *ASSISTED CIRCULATION/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/ CARDIAC OUTPUT/ CENTRAL VENOUS PRESSURE/ CORONARY DISEASE, complications/ CORONARY DISEASE, drug therapy/ *CORONARY DISEASE, therapy/ CREATININE, blood/ ELECTROCARDIOGRAPHY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METARAMINOL, therapeutic use/ METHODS/ MIDDLE AGE/ SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, therapy/ STEROIDS, therapeutic use/ TIME FACTORS

erghelm P, Rathgen GH, Netter KJ: Interaction of drugs and steroids with human placental microsomes. Biochem Pharmacol 22:1633-45, 1 Jul 73
ACETANILIDE/ AMPHETAMINE/ ANAEROBIOSIS/ *ANDROGENS, metabolism/ ANILINE COMPOUNDS/ ANISOLES/ CARBON MONOXIDE, pharmacodynamics/ CYTOCHROME P-450/ CYTOCHROME REDUCTASES, metabolism/ DRUGS, metabolism/ ELECTRON TRANSPORT/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ HYDROXYLASES, metabolism/ KINETICS/ METHYLTRANSFERASES, metabolism/ METYRAPONE, pharmacodynamics/ *MICROSOMES, metabolism/ MYOCARDIUM, enzymology/ NADP/ OXIDATION-REDUCTION/ OXIDOREDUCTASES, metabolism/ *PLACENTA, cytology/ PREGNANCY/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism

298. **Berk SL, Ulrick WC:** Effect of growth hormone and thyroxine on the contractile properties of dystrophic muscle. Experientia 29:809-10, 1973
ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ DNA, metabolism/ GLUCOSYLTRANSFERASES, metabolism/ MICE/ MUSCLE CONTRACTION, drug effects/ MUSCLE PROTEINS, metabolism/ *MUSCLES, drug effects/ *MUSCULAR DYSTROPHY, drug therapy/ MUSCULAR DYSTROPHY, familial & genetic/ MUSCULAR DYSTROPHY, metabolism/ NITROGEN, metabolism/ *SOMATOTROPIN, pharmacodynamics/ SOMATOTROPIN, therapeutic use/ *THYROXINE, pharmacodynamics/ THYROXINE, therapeutic use

299. **Berkowitz BA, Hidaka H, Spector S:** The effects of an anti-atherosclerotic drug, pyridinolcarbamate, on heart, vascular and brain biogenic amines. Br J Pharmacol 48:179-81, May 73
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, metabolism/ *BIOGENIC AMINES, metabolism/ BLOOD VESSELS, drug effects/ *BLOOD VESSELS, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ *CARBAMATES, pharmacodynamics/ FEMALE/ FLUOROMETRY/ HEART, drug effects/ HISTAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MESENTERIC ARTERIES, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ *PYRIDINES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism

300. **Berle P:** Comparative studies on the metabolic effects of some parameters of carbohydrate and lipid metabolism after intravenous administration of human placental lactogen, human prolactin and growth hormone.
Acta Endocrinol [Suppl] (Kbh) 173:104, 1973
ACETOACETATES, blood/ BLOOD SUGAR, metabolism/ *CARBOHYDRATES, metabolism/ COMPARATIVE STUDY/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ HUMAN/ HYDROXYBUTYRATES, blood/ LACTATES, blood/ *LIPIDS, metabolism/ *PLACENTAL LACTOGEN, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ PYRUVATES, blood/ *SOMATOTROPIN, pharmacodynamics

301. **Berle P:** Verhalten der mütterlichen Serumspiegel des plazentaren Laktogens bei Plazentarinsuffizienz. Geburtshilfe Frauenheilkd 33:455-9, Jun 73 (Ger)
BIRTH WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *PLACENTA DISORDERS, blood/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

302. **Berliner DL:** Biotransformation of steroids by the skin. Adv Biol Skin 12:357-65, 1972 (36 ref.)
ADRENAL CORTEX HORMONES, metabolism/ ANDROGENS, metabolism/ BIOTRANSFORMATION/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ IN VITRO/ OXIDATION-REDUCTION/ PROGESTERONE, metabolism/ REVIEW/ SEBACEOUS GLANDS, enzymology/ *SKIN, metabolism/ *STEROIDS, metabolism/ TESTOSTERONE, metabolism

303. **Berlyne GM, Ben-Ari J, Nord E, et al:** Bedouin osteomalacia due to calcium deprivation caused by high phytic acid content of unleavened bread. Am J Clin Nutr 26:910-1, Sep 73

ADULT/ *BREAD, adverse effects/ BREAD, analysis/ *CALCIUM/ CALCIUM, DIETARY/ DEFICIENCY DISEASES, complications/ DEFICIENCY DISEASES, etiology/ ETHNIC GROUPS/ FLOUR, analysis/ FOOD HABITS/ HUMAN/ *INOSITOL, adverse effects/ INOSITOL, analysis/ ISRAEL/ MALE/ NUTRITION/ *OSTEOMALACIA, etiology/ VITAMIN D, blood/ VITAMIN D, metabolism/ WHEAT, analysis

304. **Berman W, Haslam RA, Koningsmark BW, et al:** A new familial syndrome with ataxia, hearing loss, and mental retardation. Report of three brothers.
Arch Neurol 29:258-61, Oct 73
ALDOSTERONE, blood/ *CEREBELLAR ATAXIA/ CHILD/ ELECTROMYOGRAPHY/ FSH, blood/ GONADOTROPINS, CHORIONIC, diagnostic use/ *HEARING DISORDERS/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ *MENTAL RETARDATION/ NERVE DEGENERATION/ NEURAL CONDUCTION/ PEDIGREE/ SOMATOTROPIN, blood/ SYNDROME/ TESTOSTERONE, blood

305. **Bernady KF, Weiss MJ:** Prostaglandins and congeners. V. (1) Synthesis of dl-prostaglandin E1, dl-11-deoxyprostaglandin E1, and dl-15-hydroxy-9-oxo-13-cis-prostenoic acid via conjugate addition of 3-trityloxy -1-octenylmagnesium bromides.
Prostaglandins 3:505-8, Apr 73
ALKENES/ BROMIDES/ CHEMISTRY/ CHROMATOGRAPHY/ FATTY ACIDS, UNSATURATED/ IN VITRO/ MAGNESIUM/ METHODS/ *PROSTAGLANDINS, chem synthesis

306. **Bernard L:** Les problémes de l'adolescent.
Vie Med Can Fr 2:565-8, Jun 73 **(Fre)**
ADOLESCENCE/ *ADOLESCENCE/ BEHAVIOR/ DRUG ABUSE/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MEDICAL HISTORY TAKING/ PARENT-CHILD RELATIONS/ PHYSICAL EXAMINATION/ PHYSICIAN-PATIENT RELATIONS

307. **Bernardi P, Descovich GC, Lenzi S:** Funzione glicoattiva surrenale in corso di scompenso cardiocongestizio. II. Ritmo nictemerale del cortisolo plasmatico ed urinario.
Folia Endocrinol (Roma) 25:115-26, Apr 72 **(Ita)**
*ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ *HEART FAILURE, CONGESTIVE, physiopathology/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS

308. **Bernardi P, Descovich GC, Lenzi S:** Funzione glicoattiva surrenale in corso di scompenso cardiocongestizio. I. Variazioni della cortisolemia, della cortisoluria e prova da carico di ACT.
Folia Endocrinol (Roma) 25:95-114, Apr 72 **(Ita)**
*ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ ALDOSTERONE, metabolism/ BLOOD SUGAR/ *CORTICOTROPIN, diagnostic use/ FEMALE/ HEART FAILURE, CONGESTIVE, diagnosis/ HEART FAILURE, CONGESTIVE, metabolism/ *HEART FAILURE, CONGESTIVE, physiopathology/ HEMODYNAMICS/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ MALE/ MIDDLE AGE/ *PITUITARY-ADRENAL FUNCTION TESTS/ WATER-ELECTROLYTE BALANCE

309. **Berne TV, Bischel MD, Payne JE, et al:** Selective splenectomy in chronic renal failure.
Am J Surg 126:271-8, Aug 73
ADULT/ AZATHIOPRINE, therapeutic use/ FEMALE/ GRAFT REJECTION, prevention & control/ HEMODIALYSIS/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, surgery/ MALE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ PROGNOSIS/ *SPLENECTOMY/ SPLENECTOMY, mortality/ TRANSPLANTATION, HOMOLOGOUS

310. **Berridge MJ, Prince WT:** The role of cyclic AMP in th control of fluid secretion.
Adv Cyclic Nucleotide Res 1:137-47, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, pharmacodynamics/ DIPTERA/ MEMBRANE POTENTIALS/ MODELS, BIOLOGICAL/ SALIVARY GLANDS anatomy & histology/ SALIVARY GLANDS, drug effects/ SALIVARY GLANDS, physiology/ *SALIVARY GLANDS, secretion/ SEROTONIN, pharmacodynamics

311. **Berry PY, Aziz bin Hassan A:** Comparative lethality tissue extracts from the Malaysian puffer fishe Lagocephalus lunaris lunaris, L. l. Spadiceus ar Arothron stellatus. Toxicon 11:249-54, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *FISHES/ INTESTINES/ LETHAL DOSE 50/ LIVER/ MICE/ MUSCLES/ ORGAN WEIGHT/ OVARY/ OVUM/ SKIN/ *TISSUE EXTRACTS toxicity

312. **Berson G, Swynghedauw B:** Cardiac myofibrill ATPase and electrophoretic pattern in experiment heart failure produced by a two-step mechanic overloading in the rat. Cardiovasc Res 7:464-9, Jul
ACTOMYOSIN, metabolism/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ AORTIC VALVE INSUFFICIENCY, enzymology/ AORTIC VALVE STENOSIS, enzymology/ BODY WEIGHT/ CALCIUM, metabolism/ CHRONIC DISEASE/ COLLAGEN, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEART ENLARGEMENT, enzymology/ *HEART FAILURE, CONGESTIVE, enzymology/ HEART VENTRICLE/ KIDNEY/ LIVER/ LUNG/ *MYOCARDIUM, enzymology *MYOFIBRILS, enzymology/ MYOSIN, metabolism/ ORGAN WEIGHT/ RATS/ STATISTICS/ TROPOMYOSIN

313. **(Berson SA):** Solomon A. Berson Memorial Servi Metabolism 22:963-71, Aug 73
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ UNITED STATES

314. **(Berson SA), Andreani D:** In ricordo di Solomon Berson. Folia Endocrinol (Roma) 26:161-4, Jun 73 (I
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ NEW YORK CITY/ RADIOIMMUNOASSAY, history

315. **Berswordt-Wallrabe R vo, Mehring M:** A workab simple biological screening procedure for th detection of specific FSH inhibitors.
Acta Endocrinol [Suppl] (Kbh) 173:63, 1973
ANIMAL EXPERIMENTS/ ATROPHY/ *BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, antagonists inhibitors/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ METHODS/ ORGAN WEIGHT/ RATS/ SPERMATOGENESIS/ TESTIS, growth & development

316. **Bertaccini G, Impicciatore M, De Caro G:** Action caerulein and related substances on the pylo sphincter of the anaesthetized rat.
Eur J Pharmacol 22:320-4, Jun 73
ANESTHESIA/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CAERULEIN administration & dosage/ CAERULEIN, pharmacodynamics/ CHOLECYSTOKININ, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GASTROINTESTINAL AGENTS,

pharmacodynamics/ INTUBATION, GASTROINTESTINAL/ *PEPTIDES, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ *PYLORIC ANTRUM, drug effects/ RATS/ SECRETIN, pharmacodynamics/ TIME FACTORS

Berthaux R, Goust JM, Moulias R, et al: Etudes des anomalies auto-immunes dans 70 cas de myxoedème idiopathique.
Ann Med Interne (Paris) 123:1063-8, Dec 72 (Fre)
ANEMIA, PERNICIOUS, immunology/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, etiology/ CELL MIGRATION INHIBITION/ GASTRIC MUCOSA, immunology/ HUMAN/ HYPERSENSITIVITY, DELAYED/ *MACROPHAGES/ MYXEDEMA, complications/ *MYXEDEMA, immunology/ THYROGLOBULIN

Berthezene F, Kobayashi I, Greer MA, et al: Changes induced by the acute administration of iodide on secretion of iodinated components by the rat thyroid gland perfused in situ. Experientia 29:613-5, 15 May 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *IODIDES, administration & dosage/ IODIDES, pharmacodynamics/ IODINE, blood/ *IODINE, secretion/ IODINE ISOTOPES/ MALE/ PERFUSION/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion/ THYROXINE, blood/ *THYROXINE, secretion/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, secretion

Bertrand J: Le passage de l'enfance á l'adolescence. 3. Aspect hormonal.
Probl Actuels Endocrinol Nutr 16:73-100, 3 May 73 (Fre)
*ADOLESCENCE/ ADRENAL GLANDS, physiology/ ANDROGENS, biosynthesis/ ANDROGENS, metabolism/ ANDROGENS, secretion/ *CHILD/ ESTROGENS, biosynthesis/ ESTROGENS, blood/ ESTROGENS, metabolism/ FEMALE/ FSH, blood/ GONADOTROPINS, blood/ GONADOTROPINS, urine/ *GONADOTROPINS, urine/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ MALE/ *PUBERTY/ RADIOIMMUNOASSAY/ *SEX HORMONES, physiology

Besa EC, Gorshein D, Hait WA, et al: Effective erythropoiesis induced by 5beta-pregnane-3beta-hydroxy-20-one in squirrel monkeys. J Clin Invest 52:2278-82, Sep 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD VOLUME/ CHROMIUM ISOTOPES/ ERYTHROCYTES, metabolism/ ERYTHROCYTES, physiology/ *ERYTHROPOIESIS, drug effects/ FEMALE/ HALF-LIFE/ HEMATOCRIT/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, pharmacodynamics/ IRON, blood/ IRON, metabolism/ IRON ISOTOPES/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, pharmacodynamics/ LEUKOCYTE COUNT/ MALE/ MONKEYS/ PREGNANES, administration & dosage/ *PREGNANES, pharmacodynamics

eskid M, Lorenc R, Rościszewska A: Histochemical studies on thyroid adenoma built of C cells.
Mater Med Pol 4:53-9, Apr-Jun 72
*ADENOMA, pathology/ CYTOCHROME OXIDASE, metabolism/ CYTOPLASM, enzymology/ ESTERASES, metabolism/ FORMALDEHYDE, pharmacodynamics/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ *GOITER, pathology/ *HYPERTHYROIDISM, pathology/ LACTATE DEHYDROGENASE, metabolism/ MICROSCOPY, FLUORESCENCE/ MONOAMINE OXIDASE, metabolism/ *THYROCALCITONIN, biosynthesis/ *THYROID NEOPLASMS, pathology

sley GT, Snart RS: Effect of prostaglandins on cyclic AMP concentrations in toad bladder and rat kidney.
FEBS Lett 31:269-72, 1 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ VASOPRESSIN, pharmacodynamics

323. Best PV: A medulloblastoma-like tumour with melanin formation. J Pathol 110:109-11, May 73
*BRAIN NEOPLASMS, pathology/ CELL NUCLEUS/ CEREBELLAR NEOPLASMS, pathology/ CEREBROSPINAL FLUID/ CYTOPLASM/ CYTOPLASMIC GRANULES/ EPITHELIUM, pathology/ HUMAN/ INFANT/ MALE/ *MEDULLOBLASTOMA, pathology/ *MELANIN/ MENINGES, pathology/ OLFACTORY BULB/ PINEAL BODY

324. Betts PR, Forrest-Hay I: Juvenile nephronophthisis.
Lancet 2:475-8, 1 Sep 73
AGE FACTORS/ AUTOSOME ABNORMALITIES/ BIOPSY, NEEDLE/ BODY HEIGHT/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERPARATHYROIDISM, complications/ KIDNEY, pathology/ *KIDNEY DISEASES, familial & genetic/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, diagnosis/ *KIDNEY FAILURE, CHRONIC, familial & genetic/ KIDNEY FAILURE, CHRONIC, pathology/ MALE/ *RETINAL DISEASES, familial & genetic/ RICKETS, complications/ SYNDROME

325. Bevilacqua RG, Gonçalez Y, Gonçalves EL: Water and electrolyte tissue composition in burned rats under the effect of SC-14266.
Rev Bras Pesqui Med Biol 6:11-6, Jan-Apr 73
*ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *BURNS, metabolism/ CHLORIDES, blood/ *CHLORIDES, metabolism/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ *MUSCLES, metabolism/ POTASSIUM, blood/ POTASSIUM, metabolism/ *PREGNADIENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ *SKIN, metabolism/ SODIUM, blood/ *SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE, drug effects

326. Beyer J, Cordes U, Böhle E, et al: Non-esterified fatty acids, serum insulin and blood glucose after a beta-receptor blocking agent in normal, hypophysectomized, diabetic and hypophysectomized-diabetic dogs.
Acta Endocrinol [Suppl] (Kbh) 173:123, 1973
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ CRESOLS, pharmacodynamics/ DOGS/ *FATTY ACIDS, NONESTERIFIED, blood/ HYPOPHYSECTOMY/ *INSULIN, blood/ ISLANDS OF LANGERHANS, physiology/ LIPIDS, metabolism/ PANCREATECTOMY/ PITUITARY GLAND, physiology/ PITUITARY HORMONES, physiology/ PROPYLAMINES, pharmacodynamics

327. Beyer J, Demisch K, Wiegelmann W, et al: Cyproterone acetate in the treatment of infantile adrenogenital syndrome with precocious puberty.
Acta Endocrinol [Suppl] (Kbh) 173:169, 1973
ADRENOGENITAL SYNDROME, complications/ *ADRENOGENITAL SYNDROME, drug therapy/ *ANDROGENS, antagonists & inhibitors/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ CYPROTERONE, therapeutic use/ FSH, blood/ GONADOTROPINS,

PITUITARY, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ LH, blood/ *PREGNADIENES, therapeutic use/ PUBERTY, PRECOCIOUS, complications/ *PUBERTY, PRECOCIOUS, drug therapy/ SOMATOTROPIN, blood/ TESTOSTERONE, blood

328. **Beyreibb K, Hoepffner W, Holtorff J, et al:** Das intrauterin-retardierte Neugeborene. Übersicht und Empfehlungen der Gesellschaft für perinatale Medizin der DDR. II. Ätiologie, Pathogenese, pränatale Diagnostik, pränatale sowie postnatale Behandlung und Prognose.
Z Aerztl Fortbild (Jena) 67:481-7, 15 May 73 (90 ref.) (Ger)
ALKALINE PHOSPHATASE, blood/ BIRTH WEIGHT/ ESTRIOL, urine/ FEMALE/ FETAL DISEASES, diagnosis/ FETAL DISEASES, drug therapy/ FETAL DISEASES, etiology/ GERMANY, EAST/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ INFANT, NEWBORN, DISEASES, drug therapy/ INFANT, NEWBORN, DISEASES, etiology/ PLACENTAL LACTOGEN, analysis/ PREGNANCY/ PREGNANEDIOL, urine/ PRENATAL DIAGNOSIS/ PROGNOSIS/ REVIEW

329. **Beys-L'Hoest B:** Recherches sur l'identification et le titrage des gonadotrophines à usage thérapeutique par méthodes immunologiques. IV. Etude de quelques préparations de gonadotrophines altérées. Conclusions générales.
J Pharm Belg 27:755-66, Nov-Dec 72 (Fre)
DRUG STABILITY/ ENGLISH ABSTRACT/ *GONADOTROPINS, analysis/ HEMAGGLUTINATION INHIBITION TESTS/ *IMMUNOASSAY/ IMMUNOELECTROPHORESIS

330. **Bhana D, Karim SM, Carter DC, et al:** The effect of orally administered prostaglandins A1, A2 and 15 EPI-A2 on human gastric acid secretion.
Prostaglandins 3:307-16, Mar 73
ADMINISTRATION, ORAL/ ARTERIES/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GASTRIC ACIDITY DETERMINATION/ GASTRIC JUICE, analysis/ *GASTRIC JUICE, drug effects/ GASTRIC JUICE, secretion/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS

331. **Bhargava KP:** On the importance of a central beta-adrenoceptor site in the antiarrhythmic activity of beta-blockers.
Indian Heart J 24:Suppl 1:157-66, Jun 72
ACONITE, pharmacodynamics/ ADRENAL GLANDS, secretion/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ALPRENOLOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARRHYTHMIA, chemically induced/ *ARRHYTHMIA, drug therapy/ CATECHOLAMINES, secretion/ COMPARATIVE STUDY/ CORONARY VESSELS, surgery/ DOGS/ *HYPOTHALAMUS, physiology/ PENTYLENETETRAZOLE, pharmacodynamics/ PICROTOXIN, pharmacodynamics/ PINDOLOL, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, DRUG

332. **Bhoola KD, Lemon MJ:** Studies on the activation of adenylate cyclase from the submaxillary gland and pancreas. J Physiol (Lond) 232:83P-84P, Jul 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATS/ ENZYME ACTIVATION/ GUINEA PIGS/ NOREPINEPHRINE, pharmacodynamics/ *PANCREAS, enzymology/ *SUBMANDIBULAR GLAND, enzymology/ SYMPATHETIC NERVOUS SYSTEM, physiology

333. **Bibbo M, Shanklin DR, Wied GL:** Endometrial cytology on jet wash material. J Reprod Med 8:90-6, Feb 72
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ ADOLESCENCE, ADULT, AGED/ COMPARATIVE STUDY/ *CYTODIAGNOSIS/ CYTOLOGICAL TECHNICS/ *ENDOMETRIUM/ pathology/ FEMALE/ HUMAN/ HYPERPLASIA, diagnosis/ HYPERPLASIA, pathology/ IRRIGATION/ METHODS/ MICROPORE FILTERS/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ STAINS AND STAINING/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, pathology/ VAGINAL SMEARS

334. **Biber B, Fara J, Lundgren O:** Intestinal vascular responses to 5-hydroxytryptamine.
Acta Physiol Scand 87:526-34, Apr 73
ANIMAL EXPERIMENTS/ CAPILLARY PERMEABILITY, drug effects/ CATS/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ INTESTINE, SMALL, blood supply/ INTESTINE, SMALL, drug effects/ JEJUNUM, blood supply/ *JEJUNUM, drug effects/ MALE/ *MESENTERIC ARTERIES, drug effects/ *MESENTERIC VEINS, drug effects/ MOVEMENT/ RATS/ REGIONAL BLOOD FLOW/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ VASODILATOR AGENTS, pharmacodynamics

335. **Bibilashvili RSh, Savochkina IP:** Kompleksy RNK-polimerazy s DNK. II. Poluchenie kompleksov, ustoichivykh k obrabotke DNKazoi.
Mol Biol 7:93-104, Jan-Feb 73 (
ANIMAL EXPERIMENTS/ BINDING SITES/ *DEOXYRIBONUCLEASE/ *DNA, chem synthesis/ DNA, BACTERIAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ ESCHERICHIA COLI/ ESCHERICHIA COLI, enzymology/ MOLECULAR BIOLOGY/ *RNA POLYMERASE, chem synthesis/ THYROID GLAND

336. **Biebuyck JF:** Anesthesia and hepatic metabolism: current concepts of carbohydrate homeostasis.
Anesthesiology 39:188-98, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ANESTHESIA/ ANIMAL EXPERIMENTS/ ANOXIA, complications/ *CARBOHYDRATES, metabolism/ CATECHOLAMINES, physiology/ CYTOPLASM, metabolism/ FASTING/ GLUCAGON, physiology/ GLUCONEOGENESIS/ GLYCOLYSIS/ HALOTHANE, pharmacodynamics/ HOMEOSTASIS/ HUMAN/ INSULIN, physiology/ LACTATES, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MITOCHONDRIA, LIVER, metabolism/ NAD, NADPH OXIDOREDUCTASES, metabolism/ OXIDATION-REDUCTION/ PYRIDINES

337. **Bieck PR:** Role of cyclic AMP in the regulation of gastric secretion in dogs and humans.
Adv Cyclic Nucleotide Res 1:149-61, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, secretion/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ DOGS/ ETHYLAMINES, pharmacodynamics/ GASTRIC JUICE, drug effects/ GASTRIC JUICE, metabolism/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, metabolism/ GASTRIC MUCOSA, secretion/ GASTROSTOMY/ HISTAMINE, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ PYRAZOLES, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

338. **Bielański A:** Effect of 1-a-methylallylthiocarbamoyl-2-methylthiocarbamoylhydrazine(methallibure) on endocrine glands in gilts (hypophysis, thyroid, suprarenal). Bull Acad Pol Sci [Biol] 21:445-7,

ADRENAL GLANDS, drug effects/ ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ENDOCRINE GLANDS, drug effects/ ESTRUS/ FEMALE/ PITUITARY GLAND, drug effects/ SWINE/ *THIOUREA, pharmacodynamics/ THYROID GLAND, drug effects/ TIME FACTORS

9. **Bierich JR, Rager K, Schönberg D:** Endocrinological findings in patients with glycogenosis.
Acta Endocrinol [Suppl] (Kbh) 173:128, 1973
*BLOOD SUGAR, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ GALACTOSE, diagnostic use/ GLUCAGON, diagnostic use/ GLUCOSEPHOSPHATASE DEFICIENCY, blood/ GLUCOSEPHOSPHATASE DEFICIENCY, metabolism/ GLUCOSIDASE, metabolism/ GLYCOGENOSIS, blood/ *GLYCOGENOSIS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, diagnostic use/ SOMATOTROPIN, blood

0. **Bilezikian JP, Aurbach GD:** A beta-adrenergic receptor of the turkey erythrocyte. I. Binding of catecholamine and relationship to adenylate cyclase activity.
J Biol Chem 248:5577-83, 25 Aug 73
*ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, metabolism/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ DICHLOROISOPROTERENOL, pharmacodynamics/ ENZYME ACTIVATION/ ERYTHROCYTES, cytology/ ERYTHROCYTES, enzymology/ *ERYTHROCYTES, metabolism/ ETHANOLAMINES, metabolism/ ISOMERISM/ ISOPROTERENOL, metabolism/ KINETICS/ PHENETHYLAMINES, metabolism/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, ADRENERGIC/ RECEPTORS, ADRENERGIC, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TEMPERATURE/ TRITIUM/ TURKEYS

Bilezikian JP, Aurbach GD: A beta-adrenergic receptor of the turkey erythrocyte. II. Characterization and solubilization of the receptor.
J Biol Chem 248:5584-9, 25 Aug 73
ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ CATECHOL, metabolism/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ DETERGENTS/ *ERYTHROCYTES/ ERYTHROCYTES, enzymology/ ERYTHROCYTES, metabolism/ HEAT/ ISOPROTERENOL, metabolism/ PHOSPHOLIPASE/ PRONASE/ *RECEPTORS, ADRENERGIC/ RECEPTORS, ADRENERGIC, drug effects/ SALTS/ SODIUM DODECYL SULFATE/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ SURFACE-ACTIVE AGENTS/ TRITIUM/ TRYPSIN/ TURKEYS/ UREA

Bindon BM: Pituitary and ovarian mechanisms in implantation.
J Reprod Fertil [Suppl] 18:167-75, Jul 73 (26 ref.)
ANIMAL EXPERIMENTS/ DECIDUA, physiology/ ESTRUS/ FEMALE/ FSH, physiology/ HYPOPHYSECTOMY/ MICE/ *NIDATION/ *OVARY, physiology/ OVULATION/ OVUM/ *PITUITARY GLAND, physiology/ REVIEW/ SHEEP/ TIME FACTORS

Binkiewicz B, Herman E, Boczkowski K: Znaczenie testu chromatyny plciowej w wykrywaniu mozaikowatości chromosomalnej.
Ginekol Pol 43:487-90, Apr 72 (Pol)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ *MOSAICISM/ *SEX CHROMATIN, analysis/ TURNER'S SYNDROME

Biran S, Hochman A: Allergic reaction to patent blue during lymphangiography.
Radiol Clin Biol 42:166-8, 1973
ADULT/ BRONCHIAL SPASM, chemically induced/ BRONCHIAL SPASM, drug therapy/ *CONTRAST MEDIA, adverse effects/ DRUG HYPERSENSITIVITY, drug therapy/ *DRUG HYPERSENSITIVITY, etiology/ *DYES, adverse effects/ EPINEPHRINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *LYMPHOGRAPHY/ MALE/ URTICARIA, chemically induced

345. **Birmingham MK:** Reduction by 9-tetrahydrocannabinol in the blood pressure of hypertensive rats bearing regenerated adrenal glands. Br J Pharmacol 48:169-71, May 73
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *CANNABIS, pharmacodynamics/ CORTICOSTERONE, blood/ FEMALE/ HYPERTENSION, familial & genetic/ RATS/ REGENERATION/ TETRAHYDROCANNABINOL, pharmacodynamics/ TIME FACTORS

346. **Birmingham MK, De Nicola AF, Oliver JT, et al:** Production of steroids in vivo by regenerated adrenal glands of hypertensive and normotensive rats.
Endocrinology 93:297-310, Aug 73
*ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CORTICOSTERONE, secretion/ DESOXYCORTICOSTERONE, secretion/ FEMALE/ HEART/ *HYDROXYCORTICOSTEROIDS, secretion/ *HYPERTENSION, metabolism/ HYPERTENSION, pathology/ KETOSTEROIDS, secretion/ KIDNEY, physiology/ NEPHRECTOMY/ ORGAN WEIGHT/ *PREGNENES, secretion/ PREGNENOLONE, secretion/ PROGESTERONE, secretion/ RATS/ REGENERATION/ SECRETORY RATE/ THYMUS GLAND, pathology

347. **Birnholz JC:** Sonic differentiation of cysts and homogeneous solid masses.
Radiology 108:699-702, Sep 73
*ABDOMINAL NEOPLASMS, diagnosis/ ADIPOSE TISSUE/ BODY COMPOSITION/ *CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, diagnosis/ LIPOSARCOMA, diagnosis/ MALE/ ORGAN WEIGHT/ OVARIAN NEOPLASMS, diagnosis/ PHEOCHROMOCYTOMA, diagnosis/ *ULTRASONICS, diagnostic use

348. **Birnholz JC, Barnes AB:** Early diagnosis of hydatidiform mole by ultrasound imaging.
JAMA 225:1359-60, 10 Sep 73
ADULT/ EVALUATION STUDIES/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ MIDDLE AGE/ PREGNANCY/ PRENATAL DIAGNOSIS/ RADIOIMMUNOASSAY/ TIME FACTORS/ *ULTRASONICS, diagnostic use

349. **Biron A:** Pour ou contre la corticothérapie dans les hépatites virales.
Therapeutique 49:149-51, Feb 73 (Fre)
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ CHRONIC DISEASE/ *HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use

350. **Bischof P, Krähenbühl C, Desaulles PA:** Circadian rhythm of progesterone secretion during pseudogestation in the rat.
Experientia 29:615-6, 15 May 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ CORPUS LUTEUM, anatomy & histology/ FEMALE/ *HYDROXYPROGESTERONE, blood/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *PROGESTERONE, blood/ PSEUDOPREGNANCY/ RATS/ UTERUS, anatomy & histology

351. **Bishop WH, Ryan RJ:** Human luteinizing hormone and

its subunits. Physical and chemical characterization. Biochemistry 12:3076-84, 31 Jul 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ BIOLOGICAL ASSAY/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ *LH, analysis/ LH, isolation & purification/ MOLECULAR WEIGHT/ OVARY/ PROTEIN BINDING/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFUR, analysis/ ULTRACENTRIFUGATION/ UREA/ VISCOSITY

352. **Biswas S, Hindocha P:** Effects of human chorionic somato-mammotrophin and porcine growth hormone on the weight of immature mouse uterus and ovary and uptake of alpha-aminoisobutyric acid by these organs. J Endocrinol 58:343-4, Aug 73
AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ESTRADIOL, pharmacodynamics/ EXTRACELLULAR SPACE/ FEMALE/ IN VITRO/ MICE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, drug effects/ OVARY, metabolism/ *PLACENTAL LACTOGEN, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics/ UTERUS, anatomy & histology/ *UTERUS, drug effects/ UTERUS, metabolism/ WATER, analysis

353. **Bitensky MW, Miller WH, Gorman RE, et al:** The role of cyclic AMP in visual excitation.
Adv Cyclic Nucleotide Res 1:317-35, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARBON ISOTOPES/ CATTLE/ CRABS/ DARKNESS/ DIGITONIN, pharmacodynamics/ ELECTRIC CONDUCTIVITY/ FROGS/ LIGHT/ PHOTORECEPTORS, drug effects/ PHOTORECEPTORS, enzymology/ PHOTORECEPTORS, metabolism/ PROTEIN KINASE, metabolism/ RATS/ RETINA, enzymology/ *RETINA, metabolism/ *RETINAL PIGMENTS, metabolism/ SODIUM, metabolism/ SPECIES SPECIFICITY/ SQUIRRELS/ *VISION, drug effects

354. **Bjerre B, Björklund A:** The production of catecholamine-containing cells in vitro by young chick embryos: effects of "nerve growth factor" (NGF) and its antiserum. Neurobiology 3:140-61, 1973
ANIMAL EXPERIMENTS/ CATECHOLAMINES/ *CELL DIFFERENTIATION, drug effects/ CELLS, CULTURED/ CHICK EMBRYO/ *IMMUNE SERUMS, pharmacodynamics/ MICROSCOPY, FLUORESCENCE/ *NERVE GROWTH FACTOR, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ SYMPATHETIC NERVOUS SYSTEM, embryology

355. **Björkhem I, Danielsson H, Wikvall K:** Reduction of C19-, C21-, C24-, and C27-3-oxosteroids by rat-liver microsomes. Eur J Biochem 36:8-15, 2 Jul 73
ALCOHOL, ETHYL/ ANDROSTANES/ CARBON ISOTOPES/ CHLOROMERCURIBENZOATES/ CHOLANES/ CHOLESTANES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CYANIDES/ FEMALE/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ ISOENZYMES/ KETOSTEROIDS/ MALE/ *MICROSOMES, LIVER, enzymology/ NAD/ NADP/ OXIDATION-REDUCTION/ PREGNANES/ PYRAZOLES/ RATS/ SEX FACTORS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SURFACE-ACTIVE AGENTS/ TRITIUM

356. **Bjorkhem I, Gustafsson JA, Wrange O:** Microb transformation of cholesterol into coprostano Properties of a 3-oxo- 4-steroid-5 beta-reducta Eur J Biochem 37:143-7, 1 Aug 73
AMMONIUM SULFATE/ CARBON ISOTOPES CECUM, microbiology/ CHLOROMERCURIBENZOATES/ *CHOLESTANES, biosynthesis/ CHOLESTENES/ *CHOLESTEROL, metabolism CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE/ *ENTEROBACTERIACEAE, enzymology/ FECES, microbiology/ KETOSTEROIDS/ NAI OXIDOREDUCTASES, antagonists & inhibito OXIDOREDUCTASES, isolation & purificatio *OXIDOREDUCTASES, metabolism/ PRECIPITATION/ PREGNENOLONE/ PROGESTERONE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE

357. **Bjorvatn B:** Mumps virus recovered from testicles fine-needle aspiration biopsy in cases of mur orchitis. Scand J Infect Dis 5:3-5, 1973
ADOLESCENCE/ ADULT/ ANTIBODIES/ AUTOANTIBODIES/ BIOPSY, NEEDLE/ COMPLEMENT FIXATION TESTS/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ METHODS/ MIDDLE AGE MUMPS, immunology/ *MUMPS VIRUS, isolation & purification/ ORCHITIS, diagnos ORCHITIS, immunology/ *ORCHITIS, microbiology/ *TESTIS, microbiology/ TEST pathology/ TISSUE CULTURE

358. **Black HE, Capen CC:** Plasma calcitonin-like acti and urinary cyclic adenosine monophosphate dur pregnancy, parturition, and lactation in cows v parturient hypocalcemia.
Horm Metab Res 5:297-302, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CALCIUM, blood/ CATTLE/ CREATININE, urine/ FEMALE/ *HYPOCALCEMIA, blood/ HYPOCALCEMIA, urine/ *LACTATION/ MALE/ OXALATES/ *PREGNANCY/ RATS/ *THYROCALCITONIN, blood/ TIME FACTO

359. **Black HE, Capen CC, Arnaud CD:** Ultrastructure parathyroid glands and plasma immunoreacti parathyroid hormone in pregnant cows fed normal high calcium diets. Lab Invest 29:173-85, Aug
ADENOSINE CYCLIC 3',5' MONOPHOSPHA urine/ ANIMAL EXPERIMENTS/ BONE RESORPTION, drug effects/ CALCIUM, blo *CALCIUM, DIETARY/ CATTLE/ EDTA/ FEMALE/ HYDROXYPROLINE, urine/ HYPOCALCEMIA, chemically induced/ INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, blood/ MICROSCOPY, ELECTRON/ PARATHYROID GLANDS, cytology/ *PARATHYROID GLANDS, drug effects/ PARATHYROID GLANDS, patholog *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ PHOSPHORUS, pharmacodynamics/ *PREGNANCY, ANIMAL SPECTROPHOTOMETRY, ATOMIC ABSORPTION

360. **Black J:** Comment on "mechanical resonance spectr human cancellous bone. Science 181:273, 20 Ju
*BONE AND BONES/ HUMAN/ PHOSPHORUS/ STRESS, MECHANICAL/ TIBIA/ VIBRATION

361. **Black JT, Brait KA, DeJesus PV Jr, et al:** Myasth gravis lacking response to cholinergic drug Neurology (Minneap) 23:851-3, Aug 73
AUTOPSY/ CEREBRAL ANOXIA, complications/ *CEREBRAL ANOXIA, diagnosis/ CORTICOTROPIN, therapeutic us DIAGNOSIS, DIFFERENTIAL/ EDROPHONI CHLORIDE, therapeutic use/ ELECTRIC STIMULATION/ FEMALE/ HUMAN/ MIDDL AGE/ MYASTHENIA GRAVIS, complication *MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, physiopathology/

NEOSTIGMINE, therapeutic use/ *PARASYMPATHOLYTICS, therapeutic use/ PULMONARY EDEMA, complications/ RESPIRATORY INSUFFICIENCY, complications/ THYMOMA, complications/ THYMOMA, diagnosis/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, diagnosis/ TUBOCURARINE, therapeutic use/ ULNAR NERVE, physiopathology

Blackburn WR, Chung KW, Bullock L, et al: Testicular feminization in the mouse: studies of Leydig cell structure and function. Biol Reprod 9:9-23, Aug 73
ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HISTOLOGICAL TECHNICS/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ ISOCITRATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ *LEYDIG CELLS/ LEYDIG CELLS, cytology/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, metabolism/ LIPIDS/ LIPOAMIDE DEHYDROGENASE/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ SUCCINATE DEHYDROGENASE, metabolism/ *TESTICULAR FEMINIZATION, pathology/ TESTIS, anatomy & histology/ TESTIS, pathology/ TESTOSTERONE, biosynthesis/ TIME FACTORS

Blackshaw AW: Testicular enzymes and spermatogenesis.
J Reprod Fertil [Suppl] 18:55-64, Jul 73 (65 ref.)
ACID PHOSPHATASE/ ALCOHOL OXIDOREDUCTASES/ ANIMAL EXPERIMENTS/ CATTLE/ CRYPTORCHISM, enzymology/ GLYCEROLPHOSPHATE DEHYDROGENASE/ GLYCOLYSIS/ HISTOCYTOCHEMISTRY/ HYALURONIDASE/ LACTATE DEHYDROGENASE/ MALE/ RATS/ REVIEW/ SHEEP/ SORBITOL/ *SPERMATOGENESIS/ SUCCINATE DEHYDROGENASE/ *TESTIS, enzymology

Blahoš J, Ostein J, Soumar J, et al: Antidiuretický účinek Clofibratu Spofa při diabetes insipidus.
Cas Lek Cesk 112:181-3, Feb 73 (Cze)
ADOLESCENCE/ ADULT/ AGED/ CLOFIBRATE, pharmacodynamics/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

Blaim A, Ignaciuk A: Wrodzona hiperplazja nadnerczy z zespołem utraty soli.
Pediatr Pol 48:689-95, Jun 73 (Pol)
*ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, metabolism/ CHILD/ DESOXYCORTICOSTERONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYPERKALEMIA, complications/ *HYPONATREMIA, complications/ HYPONATREMIA, drug therapy/ MALE/ SODIUM CHLORIDE, therapeutic use/ *WATER-ELECTROLYTE BALANCE

Blake KC, Hering ER: Quantitative uptake measurements with a shadow shield whole-body counter. S Afr Med J 47:1066-8, 23 Jun 73
ABSORPTION/ AIR/ HUMAN/ *IODINE ISOTOPES, metabolism/ IODINE ISOTOPES, therapeutic use/ METHODS/ THYROID NEOPLASMS, radiography/ WATER/ *WHOLE BODY COUNTERS

Blakeley AG, Powis G, Summers RJ: Some characteristics of the uptake process in the isolated blood perfused cat spleen resistant to desmethylimipramine and 17- -oestradiol.
Br J Pharmacol 47:634P-635P, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATS/ *DESIPRAMINE, pharmacodynamics/ DRUG RESISTANCE/ ELECTRIC STIMULATION/ *ESTRADIOL, pharmacodynamics/ IN VITRO/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, metabolism/ PERFUSION/ *SPLEEN, metabolism/ TRITIUM

368. **Blanco I, Blanco M, Grau M, et al:** Distribution of histamine in 7 brain regions in different species and strains of mammals. Experientia 29:791-3, 1973
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ GUINEA PIGS/ HIPPOCAMPUS, metabolism/ *HISTAMINE, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ MICE/ PONS, metabolism/ RABBITS/ RATS/ SPECIES SPECIFICITY/ THALAMUS, metabolism

369. **Bland JH, Kirschbaum B, O'Connor GT, et al:** Myositis ossificans progressiva. Effect of intravenously given parathyroid extract on urinary excretion of connective tissue components.
Arch Intern Med 132:209-12, Aug 73
ADOLESCENCE/ *CALCIUM, urine/ COLLAGEN/ COLLAGEN, administration & dosage/ COLLAGEN, metabolism/ CONNECTIVE TISSUE, drug effects/ CONNECTIVE TISSUE, metabolism/ CREATININE, urine/ DIET THERAPY/ *HEXOSAMINES, urine/ HUMAN/ *HYDROXYPROLINE, urine/ INJECTIONS, INTRAVENOUS/ MALE/ *MUCOPOLYSACCHARIDES, urine/ *MYOSITIS OSSIFICANS, drug therapy/ MYOSITIS OSSIFICANS, therapy/ MYOSITIS OSSIFICANS, urine/ PARATHYROID HORMONE, administration & dosage/ *PARATHYROID HORMONE, therapeutic use/ *PHOSPHORUS, urine/ STIMULATION, CHEMICAL

370. **Bland KP, House CR, Ginsborg BL, et al:** Catecholamine transmitter for salivary secretion in the cockroach.
Nature [New Biol] 244:26-7, 4 Jul 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ CATECHOLAMINES, antagonists & inhibitors/ *COCKROACHES/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ EVOKED POTENTIALS, drug effects/ FLUORESCENCE SPECTROMETRY/ MEMBRANE POTENTIALS/ MICROSCOPY, FLUORESCENCE/ *NEURAL TRANSMISSION/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ SALIVARY GLANDS, analysis/ SALIVARY GLANDS, drug effects/ SALIVARY GLANDS, physiology/ SEROTONIN, analysis

371. **Blank ML, Wykle RL, Snyder F:** The retention of arachidonic acid in ethanolamine plasmalogens of rat testes during essential fatty acid deficiency.
Biochim Biophys Acta 316:28-34, 19 Jul 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, metabolism/ CEPHALINS, biosynthesis/ CEPHALINS, metabolism/ CORN/ DEFICIENCY DISEASES, metabolism/ DIETARY FATS, administration & dosage/ ETHANOLAMINES, metabolism/ *FATTY ACIDS, ESSENTIAL/ GLYCERIDES, biosynthesis/ LECITHINS, biosynthesis/ LECITHINS, metabolism/ LIPIDS, metabolism/ MALE/ OILS/ PHOSPHOINOSITIDES, metabolism/ PHOSPHOLIPASE/ *PLASMALOGENS, metabolism/ RATS/ SNAKES/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TESTIS, metabolism/ TIME FACTORS/ TRITIUM/ VENOMS

372. **Bläsig J, Reinhold K, Herz A:** Effect of 6-hydroxydopamine, 5,6-dihydroxytryptamine and raphe lesions on the antinociceptive actions of morphine in rats.
Psychopharmacologia 31:111-9, 17 Jul 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ DOPAMINE, analysis/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ *HYDROXYDOPAMINE,

pharmacodynamics/ MALE/ *MESENCEPHALON, physiology/ *MORPHINE, pharmacodynamics/ NERVE DEGENERATION/ NOREPINEPHRINE, analysis/ PAIN/ RATS/ SEROTONIN, analysis/ STEREOTAXIC TECHNICS/ *TRYPTAMINES, pharmacodynamics/ VOCALIZATION, ANIMAL, drug effects

373. **Blat C, Boix N, Harel L:** Inhibition by N6, O2'-dibutyryl 3',5'-cyclic adenosine monophosphate of phosphate transport and metabolism in BHK21C13 and BHK21Py cells. Cancer Res 33:2104-8, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ HAMSTERS/ *KIDNEY, drug effects/ KIDNEY, metabolism/ *PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ THEOPHYLLINE, pharmacodynamics

374. **Blinov VA, Ananich NA, Shapot VS:** Nekotorye osobennosti glikemicheskikh krivykh u krolikov v protsesse razvitiia opukholi Brauna-Pirs.
Patol Fiziol Eksp Ter 16:51-4, Nov-Dec 72 **(Rus)**
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *CARCINOMA, BROWN-PEARCE, blood/ DIABETES MELLITUS, etiology/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *HYPOGLYCEMIA, blood/ MALE/ NEOPLASM TRANSPLANTATION/ RABBITS/ TESTIS

375. **Bliss DK, Bates PL:** A rapid and reliable technique for pinealectomizing rats. Physiol Behav 11:111-2, Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ METHODS/ *PINEAL BODY, surgery/ *RATS/ *STEREOTAXIC TECHNICS/ SURGICAL INSTRUMENTS

376. **Blizard D, Denef C:** Neonatal androgen effects on open-field activity and sexual behavior in the female rat: the modifying influence of ovarian secretions during development. Physiol Behav 11:65-9, Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ BODY WEIGHT, drug effects/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ FEMALE/ MALE/ OVARY, secretion/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

377. **Block MA, Goree JA, Jimenez JP:** Craniopharyngioma with optic canal enlargement simulating glioma of the optic chiasm. Case report. J Neurosurg 39:523-7, Oct 73
*BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, surgery/ CHILD/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, radiography/ CRANIOPHARYNGIOMA, surgery/ DIAGNOSIS, DIFFERENTIAL/ GLIOMA, radiography/ HUMAN/ MALE/ *OPTIC CHIASM, radiography/ *SPHENOID BONE, radiography/ VENTRICULOGRAPHY

378. **Bloom HJ, Hendry WF:** Possible role of hormones in treatment of metastatic testicular teratomas: tumour regression with medroxyprogesterone acetate.
Br Med J 3:563-7, 15 Sep 73
ADULT/ DACTINOMYCIN, therapeutic use/ HUMAN/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiography/ LYMPHATIC METASTASIS/ MALE/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ *NEOPLASM METASTASIS, drug therapy/ *TERATOID TUMOR, drug therapy/ TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, pathology/ TIME FACTORS/ URETERAL OBSTRUCTION, etiology

379. **Blum J, Tartulier M, Deyrieux F, et al:** Etude hémodynamique de l'hyperthyroïdie.
Nouv Presse Med 2:1995, 1 Sep 73 **(Fre)**
BLOOD PRESSURE/ CARDIAC OUTPUT/ FEMALE/ *HEMODYNAMICS/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE

380. **Blum K, Calhoun W, Merritt JH, et al:** Synergy ethanol and alcohol-like metabolites: tryptophol 3,4-dihydroxyphenylethanol.
Pharmacology 9:294-9, 1973
ALCOHOL, ETHYL, blood/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CATECHOL, pharmacodynamics/ DOPAMIN metabolism/ DOPAMINE, pharmacodynamics DRUG SYNERGISM/ *INDOLES, pharmacodynamics/ MALE/ MICE/ SEROTONIN, pharmacodynamics/ SLEEP, d effects/ TIME FACTORS

381. **Blumberg NA:** Undescended testes.
S Afr Med J 47:1017-8, 23 Jun 73
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, pathology/ *CRYPTORCHISM, surgery/ FERTILITY/ HUMAN/ MALE/ TESTIS, pathology

382. **Blumstein CG:** Drug treatment in bronchial asth
Semin Drug Treat 2:385-401, Spring 73 (5
ACETYLCYSTEINE, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, complications/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, therapeutic CAFFEINE, therapeutic use/ DRUG COMBINATIONS/ EPHEDRINE, therapeutic use/ EPINEPHRINE, therapeutic use/ EXPECTORANTS, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ GUAIACOL GLYCERYL ETHER, therapeut use/ HUMAN/ HYPERTENSION, complicati ISOPROTERENOL, adverse effects/ ISOPROTERENOL, therapeutic use/ MUCU drug effects/ REVIEW/ SYMPATHOMIMET administration & dosage/ *SYMPATHOMIMETICS, therapeutic use/ THEOPHYLLINE, therapeutic use/ XANTHINES, therapeutic use

383. **Blunck W, Schröder G, Mack B, et al:** Pl corticosteroid level in children correlated to iter fear. Acta Endocrinol [Suppl] (Kbh) 173:35,
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ CHILD/ CHILD, PRESCHOOL/ *FEAR/ HUMAN

384. **Blundell JE, Herberg LJ:** Primary polyuria accompa "hunger" elicited by intrahypothalamic injecti noradrenaline. Neuropharmacology 12:597-9, Ju
ANIMAL EXPERIMENTS/ DIURESIS, drug effects/ DRINKING BEHAVIOR, drug effe EPINEPHRINE/ *EPINEPHRINE, pharmacodynamics/ *HUNGER, drug effect HYPOTHALAMUS/ INJECTIONS/ MALE/ *POLYURIA, chemically induced/ POLYUR urine/ RATS

385. **Blundell JE, Latham CJ, Leshem MB:** Biphasic acti a 5-hydroxytryptamine inhibitor on fenfluramine-induced anorexia.
J Pharm Pharmacol 25:492-4, Jun 73
ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ DRUG SYNERGISM/ FEEDING BEHAVIOR, drug effects/ *FENFLURAMINE, pharmacodynan MALE/ *METHYSERGIDE, pharmacodynam RATS/ *SEROTONIN, antagonists & inhibi TIME FACTORS/ TRYPTAMINES, pharmacodynamics

386. **Bobrow M, Emerson PM, Spriggs AI, et al:** R chromosome, microcephalic dwarfism, and myeloid leukemia. Am J Dis Child 126:257-60, A
ANEMIA, HEMOLYTIC, drug therapy/ ANEMIA, HYPOCHROMIC, complications/ BIRTH WEIGHT/ BLOOD CELL COUNT/ BONE MARROW EXAMINATION/ CHILD/ CHILD DEVELOPMENT DEVIATIONS, complications/ *CHROMOSOME ABNORMALITIES/ *CHROMOSOMES, HUM 1-3/ CLUBFOOT, complications/ DERMATOGLYPHICS/ *DWARFISM, complications/ FACIAL EXPRESSION/

FEMALE/ FINGERS, abnormalities/ HEMOGLOBINOMETRY/ HIP DISLOCATION, CONGENITAL, complications/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ *LEUKEMIA, MYELOBLASTIC, complications/ MENTAL RETARDATION/ PREDNISONE, therapeutic use

Bockaert J, Roy C, Rajerison R, et al: Specific binding of (3H) lysine-vasopressin to pig kidney plasma membranes. Relationship of receptor occupancy to adenylate cyclase activation.
J Biol Chem 248:5922-31, 10 Sep 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ ENZYME ACTIVATION/ HYDROGEN-ION CONCENTRATION/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KINETICS/ *LYSINE, metabolism/ PHOSPHORUS ISOTOPES/ RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TEMPERATURE/ TRITIUM/ VASOPRESSIN, administration & dosage/ *VASOPRESSIN, metabolism/ VASOPRESSIN, pharmacodynamics

Bockman EL, Rubio R, Berne RM: Effect of lanthanum on isoproterenol-induced activation of myocardial phosphorylase.
Am J Physiol 225:438-43, Aug 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ BINDING, COMPETITIVE/ CALCIUM, metabolism/ CELL MEMBRANE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GUINEA PIGS/ *HEART, drug effects/ HISTOCYTOCHEMISTRY/ *ISOPROTERENOL, pharmacodynamics/ LANTHANUM, administration & dosage/ LANTHANUM, analysis/ *LANTHANUM, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ RATS/ SARCOLEMMA

Boczkowski K: Zespół niewrażliwości na androgeny.
Pol Tyg Lek 28:1082-5, 9 Jul 73 (16 ref.) (Pol)
ADOLESCENCE/ *ANDROGENS/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ FETUS, drug effects/ GLUCURONIDASE, metabolism/ HUMAN/ KARYOTYPING/ MALE/ MICE/ MODELS, BIOLOGICAL/ MUTATION/ *NOMENCLATURE/ PREGNANCY/ RABBITS/ RATS/ REVIEW/ SEX DETERMINATION/ SYNDROME/ *TESTICULAR FEMINIZATION/ TESTICULAR FEMINIZATION, enzymology/ TESTICULAR FEMINIZATION, etiology/ TESTIS, enzymology/ TESTOSTERONE, physiology

Boczkowski K: Dziedziczenie autosomalne i sprzężone z płcią.
Ginekol Pol 43:501-6, Apr 72 (7 ref.) (Pol)
ENGLISH ABSTRACT/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ *GENETICS, HUMAN/ *HEREDITARY DISEASES/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ MALE/ REVIEW/ *SEX CHROMOSOMES

Boczkowski K: Rola i los komórek płciowych w okresie płodowego rozwoju jajników.
Ginekol Pol 43:401-3, Apr 72 (Pol)
CELL DIFFERENTIATION/ FEMALE/ *GERM CELLS/ GESTATIONAL AGE/ HUMAN/ KARYOTYPING/ *OVARY, embryology/ PREGNANCY/ SEX CHROMOSOMES

Bodey GP, Gottlieb JA, Livingston R, et al: New agents and combinations in the treatment of bronchogenic carcinoma.
Cancer Chemother Rep [Suppl] 4:Suppl 4:227-9, Mar 73
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BLEOMYCIN, pharmacodynamics/ BLEOMYCIN, therapeutic use/ *CARCINOMA, BRONCHOGENIC, drug therapy/ CELLS, drug effects/ CELLS, CULTURED/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ HAMSTERS/ HUMAN/ *LUNG NEOPLASMS, drug therapy/ MITOSIS, drug effects/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NITROSOUREA COMPOUNDS, therapeutic use/ OVARY/ VINCRISTINE, pharmacodynamics/ VINCRISTINE, therapeutic use

393. **Boer J de, Houtsmuller UM, Vergroesen AJ:** Inotropic effects of prostaglandins, fatty acids and adenosine phosphates on hypodynamic frog hearts.
Prostaglandins 3:805-25, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ FATTY ACIDS, VOLATILE, pharmacodynamics/ FROGS/ *HEART, drug effects/ IODOACETATES, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ NICOTINIC ACID/ POTASSIUM, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RANA ESCULENTA/ RANA TEMPORARIA/ STIMULATION, CHEMICAL/ ZINC, pharmacodynamics

394. **Boivin Y, Brochu P:** Tumeurs endométrioïdes de l'ovaire et épithélioma primitif concomitant de l'endomètre.
Union Med Can 101:258-64, Feb 72 (Fre)
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADULT/ AGED/ *ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, pathology/ ENDOMETRIUM/ ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ PREGNANCY/ STERILITY, etiology/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, pathology

395. **Boich OH Jr, Warren JC:** Induction of premature menstruation with anabolic steroids.
Am J Obstet Gynecol 117:121-5, 1 Sep 73
ADULT/ *ANABOLIC STEROIDS, pharmacodynamics/ ETHYLESTRENOL, pharmacodynamics/ FEMALE/ FLUOXYMESTERONE, pharmacodynamics/ FSH, blood/ HUMAN/ LH, blood/ *MENSTRUATION, drug effects/ METHANDROSTENOLONE, pharmacodynamics/ *NANDROLONE, pharmacodynamics/ OVULATION, drug effects/ OXANDROLONE, pharmacodynamics/ *OXYMETHOLONE, pharmacodynamics/ PROGESTERONE, blood/ STANOZOLOL, pharmacodynamics/ TIME FACTORS

396. **Bolen JW:** Hypoparathyroidism in pregnancy.
Am J Obstet Gynecol 117:178-9, 15 Sep 73
ADULT/ CALCIUM, metabolism/ CALCIUM, therapeutic use/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, drug therapy/ PHOSPHATES, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ VITAMIN D, therapeutic use

397. **Bollinger SF, Faircloth KP, Doering RM:** The instrumental response and hypothalamic stimulus-bound drinking.
Physiol Behav 8:377-81, Feb 72
ANIMAL EXPERIMENTS/ *CONDITIONING, OPERANT/ *DRINKING/ DRINKING BEHAVIOR/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ IMMOBILIZATION/ LOCOMOTION/ MALE/ MODELS, NEUROLOGIC/ ORIENTATION/

PROPRIOCEPTION/ RATS/ SELF STIMULATION

398. **Bolognese RJ, Corson SL:** The effect of vaginally administered prostaglandin F2alpha on corpus luteum function. Am J Obstet Gynecol 117:240-5, 15 Sep 73
ADULT/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ESTROGENS, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ LH, blood/ MENSTRUATION, drug effects/ OVULATION, drug effects/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ VAGINA

399. **Bolognese RJ, Corson SL:** Abortion of early pregnancy by the intravaginal administration of prostaglandin F2alpha. Am J Obstet Gynecol 117:246-50, 15 Sep 73
*ABORTION, INDUCED/ ADULT/ DIARRHEA, chemically induced/ DILATATION/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS/ VAGINA/ VOMITING, chemically induced

400. **Bommer J, Ehrke V, Speders H:** Vorläufige Ergebnisse einer Behandlung von Hyperlipidämien mit einem neuen D-Thyroxin-Präparat.
Verh Dtsch Ges Inn Med 78:1619-20, 1972 **(Ger)**
ADULT/ AGED/ CHOLESTEROL, blood/ FEMALE/ HUMAN/ *HYPERLIPEMIA, drug therapy/ MALE/ METHODS/ MIDDLE AGE/ THYROXINE, administration & dosage/ *THYROXINE, therapeutic use

401. **Bommer J, Wieland H, Seidel D:** Characteristic plasma lipoprotein pattern in patients suffering from hyperthyroidism.
Acta Endocrinol [Suppl] (Kbh) 173:142, 1973
BLOOD PROTEIN ELECTROPHORESIS/ CENTRIFUGATION, DENSITY GRADIENT/ HUMAN/ *HYPERTHYROIDISM, blood/ *LIPOPROTEINS, blood/ ULTRACENTRIFUGATION

402. **Bond J, Oltjen RR:** Growth and reproductive performance of bulls and heifers fed purified and natural diets. VI. Growth, estrus, conception rate, gestation and milk production of females.
J Anim Sci 37:141-7, Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ BIRTH WEIGHT/ BODY WEIGHT/ CATTLE, growth & development/ *CATTLE, physiology/ DIET/ DIETARY PROTEINS, metabolism/ ESTRUS/ FEMALE/ FERTILIZATION/ *LACTATION/ PREGNANCY/ PUBERTY/ *REPRODUCTION/ SOY BEANS/ UREA, metabolism

403. **Bonfils S, Mignon M:** Aspects actuels des recherches sur la physiologie du carrefour duodénal.
Rev Prat 23:1879-87, 11 Apr 73 **(Fre)**
*DUODENUM, physiology/ ENGLISH ABSTRACT/ *GASTROINTESTINAL MOTILITY/ HUMAN/ PANCREOZYMIN, physiology/ *PANCREOZYMIN, secretion/ RECEPTORS, HORMONE/ RECEPTORS, NEURAL/ *SECRETIN, secretion

404. **Bonjour JP, Fleisch HA:** Diphosphonates and vitamin-D metabolism in Paget's disease.
Lancet 2:375-6, 18 Aug 73
ALCOHOL, ETHYL, metabolism/ ALCOHOL, ETHYL, therapeutic use/ HUMAN/ *ORGANOPHOSPHORUS COMPOUNDS, metabolism/ ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ OSTEITIS DEFORMANS, drug therapy/ *OSTEITIS DEFORMANS, metabolism/ PHOSPHONIC ACIDS, metabolism/ PHOSPHONIC ACIDS, therapeutic use/ *VITAMIN D, metabolism

405. **Bonnar J:** Studies in the use of luteinizing hormone-follicle-stimulating hormone releasing hormone to induce ovulation in women.
J Endocrinol 58:xxxiv-xxxv, Aug 73
ADULT/ AMENORRHEA, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, secretion/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ HYPOTHALAMUS/ LH, secretion/ *OVULATION, drug effects/ PITUITARY DISEASES, diagnosis/ PITUITARY HORMO RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASIN FACTORS, diagnostic use/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ STERILITY, FEMALE, dr therapy

406. **Bonne C, Raynaud JP:** Inhibition of 5 -reduc activity of rat prostate by estradiol derivat
Biochimie 55:227-9, 1973
ANIMAL EXPERIMENTS/ CYTOSOL/ *ESTRADIOL, pharmacodynamics/ FEMALE MALE/ METHODS/ MICROSOMES, enzymology/ ORGAN WEIGHT/ *OXIDOREDUCTASES, antagonists & inhibitors/ PROSTATE, cytology/ *PROSTATE, enzymology/ PROTE BINDING/ RATS/ RECEPTORS, HORMONE TESTOSTERONE, metabolism/ TRITIUM/ UTERUS, drug effects

407. **Booth JC, Pay TW:** Haemagglutination by type S foot-and-mouth disease viruses.
J Gen Virol 19:397-404, Jun 73
ANTIGENS, VIRAL, analysis/ BINDING SI ANTIBODY/ CATTLE/ CELL LINE/ COMPLEMENT FIXATION TESTS/ ERYTHROCYTES, immunology/ FOOT-AND-MOUTH DISEASE VIRUS, grow & development/ *FOOT-AND-MOUTH DISE VIRUS, immunology/ GUINEA PIGS, immunology/ HAMSTERS/ HEAT/ HEMAGGLUTINATION INHIBITION TESTS *HEMAGGLUTINATION TESTS/ HEMAGGLUTININS, VIRAL, analysis/ HYDROGEN-ION CONCENTRATION/ KIDN MAGNESIUM, pharmacodynamics/ SEROTYPING/ THYROID GLAND/ TISSUE CULTURE/ TRYPSIN, pharmacodynamics

408. **Borden S 4th, Weber AL, Toch R, et al:** Pi germinoma. Long-term survival despite hematogenous metastases.
Am J Dis Child 126:214-6, Aug 73
BONE NEOPLASMS, pathology/ CAROTID ARTERIES, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBRAL VENTRICLE NEOPLASMS, drug therapy/ CEREBRAL VENTRICLE NEOPLASMS, radiotherapy/ CEREBRAL VENTRICLE NEOPLASMS, therapy/ *CEREBRAL VENTRICLE NEOPLASMS, therapy/ CEREBROSPINAL FLUID SHUNTS/ CERVICAL VERTEBRAE, pathology/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ DACTINOMYCIN, therapeu use/ ELECTROENCEPHALOGRAPHY/ FEM pathology/ HUMAN/ LUNG NEOPLASMS, pathology/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS PINEALOMA, drug therapy/ PINEALOMA, radiography/ PINEALOMA, radiotherapy/ *PINEALOMA, therapy/ PNEUMOENCEPHALOGRAPHY/ POSTOPERATIVE COMPLICATIONS

409. **Borelli S, Gartmann H, Klaschka F:** Clocortolon (Cl versus Fluocinolone, ein doppelblinder randomisierter Seitenvergleich.
Hautarzt 24:294-7, Jul 73 **(**
ADULT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DERMATITIS MEDICAMENTOSA, drug therapy/ DERMATOMYOSITIS, drug therapy/ *ECZE drug therapy/ ERYTHEMA, chemically induced/ EVALUATION STUDIE FEMALE/ FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, adverse effects/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ MALE/ OINTMENTS/ PREGNANES, administration & dosage/ PREGNANES, adverse effects/ *PREGNANE

therapeutic use/ *PSORIASIS, drug therapy/ SKIN ABSORPTION

0. **Boretskaia IS:** Effektivnost' konservativnogo lecheniia bol'nykh nespetsificheskim iazvennym kotitom.
Vrach Delo 1:53-5, Jan 73 (Rus)
ADULT/ COLITIS, ULCERATIVE, drug therapy/ *COLITIS, ULCERATIVE, therapy/ DIET THERAPY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ INFUSIONS, PARENTERAL/ MALE/ SULFANILAMIDE, therapeutic use

1. **Borg TK, Bell RA, Picard DJ:** Ultrastructure of neurosecretory cells in the frontal ganglion of the tobacco hornworm, Manduca sexta(L).
Tissue Cell 5:259-67, 1973
ANIMAL EXPERIMENTS/ *CENTRAL NERVOUS SYSTEM, cytology/ CENTRAL NERVOUS SYSTEM, metabolism/ ENDOPLASMIC RETICULUM/ *GANGLIA, cytology/ GANGLIA, metabolism/ GOLGI APPARATUS/ *INSECTS, cytology/ INSECTS, metabolism/ LARVA/ MICROSCOPY, ELECTRON/ *NEUROSECRETORY SYSTEMS, cytology/ NEUROSECRETORY SYSTEMS, metabolism/ PUPA

2. **Boriak PM:** Priznaki serdechno-sosudistoi nedostatochnosti u bol'nykh gipotireozom.
Vrach Delo 1:94-6, Jan 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ARTERIOSCLEROSIS, etiology/ BLOOD CIRCULATION/ BLOOD VESSELS, physiopathology/ *CARDIOVASCULAR DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ HEART, physiopathology/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE

3. **Borisov BK:** K voprosu o nakoplenii Sr90 u razvivaiushchegosia ploda.
Gig Sanit 38:49-52, Apr 73 (Rus)
BONE AND BONES, radiation effects/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, radiation effects/ HUMAN/ *MATERNAL-FETAL EXCHANGE, radiation effects/ PREGNANCY/ *RADIATION EFFECTS/ RADIOACTIVE FALLOUT/ *STRONTIUM ISOTOPES, metabolism

4. **Borle AB:** Calcium metabolism at the cellular level.
Fed Proc 32:1944-50, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANTIMYCIN A, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BUTYRATES, pharmacodynamics/ CALCIUM, analysis/ *CALCIUM, metabolism/ CYTOPLASM, analysis/ HOMEOSTASIS/ KIDNEY, cytology/ KIDNEY, metabolism/ KINETICS/ MITOCHONDRIA, analysis/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, physiology/ MODELS, BIOLOGICAL/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ THYROCALCITONIN, pharmacodynamics/ VITAMIN D, pharmacodynamics/ WARFARIN, pharmacodynamics

5. **Borowitz JL:** Extracellular calcium concentration and catecholamine release from adrenal medulla by acetylcholine and potassium.
Experientia 29:66-7, 1 May 73
*ACETYLCHOLINE, pharmacodynamics/ *ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ *CALCIUM, pharmacodynamics/ *CATECHOLAMINES, metabolism/ CATTLE/ EPINEPHRINE, metabolism/ NOREPINEPHRINE, metabolism/ PERFUSION/ *POTASSIUM, pharmacodynamics/ STIMULATION, CHEMICAL

6. **Bosc MJ:** Modification de la durée de gestation de la truie aprés administration d'ACTH aux foetus.
C R Acad Sci [D] (Paris) 276:3183-6, 13 Jun 73 (Fre)
ADRENAL GLANDS, growth & development/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FETUS, drug effects/ GESTATIONAL AGE/ GROWTH, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ SWINE

417. **Bosio BB Jr, Taylor ES:** Bacteroides and puerperal infections.
Obstet Gynecol 42:271-5, Aug 73
ABSCESS, drug therapy/ ABSCESS, etiology/ ABSCESS, surgery/ ADOLESCENCE/ ADULT/ *BACTEROIDES INFECTIONS/ BACTEROIDES INFECTIONS, drug therapy/ BACTEROIDES INFECTIONS, surgery/ CESAREAN SECTION/ CHLORAMPHENICOL, therapeutic use/ CLINDAMYCIN, therapeutic use/ DRAINAGE/ FEMALE/ HEMATOMA, drug therapy/ HEMATOMA, etiology/ HUMAN/ KANAMYCIN, therapeutic use/ OVARIAN DISEASES, drug therapy/ OVARIAN DISEASES, etiology/ OVARIAN DISEASES, surgery/ PELVIS/ PREGNANCY/ PUERPERAL INFECTION, drug therapy/ *PUERPERAL INFECTION, etiology/ PUERPERAL INFECTION, surgery

418. **Bossi E, Joss EE, Zurbrügg RP:** Evaluation of the effectiveness of treatment on adult height prognosis in disorders with advanced and retarded bone age. Height and height velocity related to chronological or to bone age.
Acta Paediatr Scand 62:401-4, Jul 73
AGE DETERMINATION BY SKELETON/ ANDROGENS, antagonists & inhibitors/ BODY HEIGHT/ *BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ CYPROTERONE, therapeutic use/ GROWTH DISORDERS, diagnosis/ GROWTH DISORDERS, etiology/ HAMARTOMA, complications/ HUMAN/ HYPOPITUITARISM, complications/ *HYPOPITUITARISM, drug therapy/ MALE/ *PREGNADIENES, therapeutic use/ PROGNOSIS/ *PUBERTY, PRECOCIOUS, drug therapy/ PUBERTY, PRECOCIOUS, etiology/ SKULL NEOPLASMS, complications/ *SOMATOTROPIN, therapeutic use

419. **Bossi E, Zurbrügg RP, Joss EE:** Improvement of adult height prognosis in precocious puberty by cyproterone acetate.
Acta Paediatr Scand 62:405-12, Jul 73
AGE DETERMINATION BY SKELETON/ ANDROGENS, antagonists & inhibitors/ *BODY HEIGHT, drug effects/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ CYPROTERONE, therapeutic use/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, urine/ GROWTH DISORDERS, diagnosis/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ *PREGNADIENES, therapeutic use/ PROGNOSIS/ *PUBERTY, PRECOCIOUS, drug therapy/ PUBERTY, PRECOCIOUS, urine

420. **Bothmann G, Rummel HH, Andreeff M, et al:** Der Wert der Durchfluss-Zytophotometrie bei der Untersuchung von Aszites, Zysteninhalt und Douglas-Sekreten.
Geburtshilfe Frauenheilkd 33:483-91, Jun 73 (Ger)
*ASCITIC FLUID/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ OVARIAN CYSTS, pathology/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ PHOTOMETRY/ TIME FACTORS

421. **Böttger P:** Zinkbestimmungen in menschlichem Sperma.
Med Welt 24:374-6, 9 Mar 73 (Ger)
CELL COUNT/ HUMAN/ MALE/ *SEMEN, analysis/ *SPERM CAPACITATION/ *SPERMATOZOA, analysis/ TESTICULAR DISEASES, diagnosis/ VASECTOMY/ *ZINC, analysis

422. **Bouillé C, Baylé JD:** Effects of hypothalamic stimulation on pituitary-adrenocortical activity in conscious unrestrained pigeons.
Neuroendocrinology 12:284-94, 1973
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CORTICOSTERONE, blood/ ELECTRIC STIMULATION/ ELECTRODES,

IMPLANTED/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ MALE/ PIGEONS/ *PITUITARY-ADRENAL SYSTEM

423. **Boulant JA, Bignall KE:** Determinants of hypothalamic neuronal thermosensitivity in ground squirrels and rats. Am J Physiol 225:306-10, Aug 73
ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CEREBRAL CORTEX DECORTICATION/ COLD/ ELECTRODES, IMPLANTED/ ELECTROPHYSIOLOGY/ HEAT/ HIBERNATION/ *HYPOTHALAMUS, physiology/ NEURAL CONDUCTION/ RATS/ SEASONS/ SQUIRRELS

424. **Boulant JA, Bignall KE:** Changes in thermosensitive characteristics of hypothalamic units over time. Am J Physiol 225:311-8, Aug 73
ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ CEREBRAL CORTEX DECORTICATION/ COLON, physiology/ ESOPHAGUS, physiology/ *HYPOTHALAMUS, physiology/ NEURAL CONDUCTION/ RATS/ SKIN TEMPERATURE/ SQUIRRELS/ *TEMPERATURE/ TIME FACTORS

425. **Boullin DJ, O'Brien RA:** The metabolism of 5-hydroxytryptamine by blood platelets from children with mongolism.
Biochem Pharmacol 22:1647-51, 1 Jul 73
*BLOOD PLATELETS, metabolism/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, PAPER/ HUMAN/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ MONGOLISM, blood/ *MONGOLISM, metabolism/ RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism

426. **Bourgeois M, Brun G:** L'ovariotexie, un procédé de stérilisation chirurgicale réversible. Intérêt et indication chez les malades psychiatriques.
Ann Med Psychol (Paris) 1:515-25, Apr 73 **(Fre)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MENTAL DISORDERS/ MENTAL RETARDATION/ METHODS/ *OVARY, surgery/ PSYCHOSES/ *STERILIZATION, SEXUAL

427. **Bourne AR, Seamark RF:** The synthesis of corticosterone by the adrenal tissue of the lizard Tiliquarugosa.
Comp Biochem Physiol [B] 45:275-7, 15 May 73
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, isolation & purification/ IN VITRO/ *LIZARDS, metabolism/ PROGESTERONE, metabolism

428. **Bourne EJ, Clarke K, Pridham JB, et al:** Further observations on the activation of lysosomal acid alpha-glucosidase by cortisone derivatives.
Biochem J 132:435-8, Mar 73
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTISONE, metabolism/ *CORTISONE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GALACTOSIDASE, metabolism/ *GLUCOSIDASE, metabolism/ IN VITRO/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ LYSOSOMES, metabolism/ MEMBRANES, enzymology/ RATS/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP

429. **Bourne HR, Tomkins GM, Dion S:** Regulation of phosphodiesterase synthesis: requirement for cyclic adenosine monophosphate-dependent protein kinase.
Science 181:952-4, 7 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES/ CELL LINE/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEEDBACK/ ISOPROTERENOL, pharmacodynamics/ LYMPHOMA/ MICE/ *PHOSPHODIESTERASE biosynthesis/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism

430. **Bousser MG:** Prostaglandines, plaquettes et thrombose.
Ann Med Interne (Paris) 124:351-4, Apr 73 **(F**
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ CELL AGGREGATION, drug effects/ DRUG ANTAGONISM/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *THROMBOSIS, drug therapy

431. **Bousser MG:** Effects of combined prostaglandin E1 aspirin on experimental arteria: thrombosis rabbits. Biomedicine [Express] 19:90-3, 20 Mar
ANIMAL EXPERIMENTS/ *ASPIRIN, therapeutic use/ BLOOD PLATELETS, drug effects/ DRUG SYNERGISM/ PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, therapeutic use/ RABBITS/ *THROMBOSIS, prevention & control

432. **Bousser MG:** Prostaglandin E1 and platelets.
Biomedicine 18:95-102, Mar 73 (63 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT metabolism/ ADENOSINE DIPHOSPHATE, antagonists & inhibitors/ ADENYL CYCLAS metabolism/ ANIMAL EXPERIMENTS/ *ANTICOAGULANTS/ ANTIGEN-ANTIBODY COMPLEX/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CELL AGGREGATION, drug effects/ EPINEPHRINE, antagonists & inhibitors/ HUMAN/ IN VITRO/ PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ THROMBIN, antagonists & inhibitors

433. **Bouvier LF:** Changes in the use of oral contracepti by Rhode Island women between 1967 and 19
Soc Biol 20:51-63, Mar 73
ADULT/ ATTITUDE/ *CONTRACEPTIVES, ORAL/ EDUCATIONAL STATUS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ MIDDLE AGE/ RELIGION/ RHODE ISLAND

434. **Bowery B, Lewis GP:** Inhibition of functiona vasodilatation and prostaglandin formation in rab adipose tissue by indomethacin and aspirin.
Br J Pharmacol 47:305-14, Feb 73
ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, administration dosage/ *ASPIRIN, pharmacodynamics/ BLO FLOW VELOCITY/ BLOOD PRESSURE, dru effects/ CORTICOTROPIN, pharmacodynamic DEPRESSION, CHEMICAL/ FATTY ACIDS, NONESTERIFIED, isolation & purification/ FATTY ACIDS, NONESTERIFIED, metaboli ILEUM, drug effects/ IN VITRO/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, pharmacodynamics/ MALE PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS/ *VASODILATOR AGENTS, antagonists & inhibitors

435. **Bowie EJ, Owen CA Jr:** The value of measuring plate "adhesiveness" in the diagnosis of bleeding diseas
Am J Clin Pathol 60:302-8, Sep 73
ADULT/ BLOOD CELL COUNT/ BLOOD COAGULATION TESTS/ BLOOD PLATELET DISORDERS, diagnosis/ BLOOD PLATELETS BLOOD TRANSFUSION/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DISSEMINATED INTRAVASCULAR COAGULATION/ FACTOR VIII, analysis/ FACTOR VIII, antagonists & inhibitors/ FEMALE/ HEART VALVE

DISEASES, diagnosis/ HEMATOCRIT/ HEMOPHILIA, diagnosis/ HEMORRHAGIC DIATHESIS, blood/ *HEMORRHAGIC DIATHESIS, diagnosis/ HEPARIN/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *PLATELET ADHESIVENESS/ PLATELET ADHESIVENESS, drug effects/ PREGNANCY/ VON WILLEBRAND'S DISEASE, diagnosis

Boyd H: Oestrous cycles in Ayrshire cows before and after insemination. Vet Rec 92:427-8, 21 Apr 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE, physiology/ *ESTRUS/ FEMALE/ *INSEMINATION, ARTIFICIAL, veterinary/ TIME FACTORS

Boyer SH, Siggers DC, Krueger LJ: Caveat to protein replacement therapy for genetic disease. Immunological implications of accurate molecular diagnosis. Lancet 2:654-9, 22 Sep 73
AMENORRHEA, drug therapy/ AMINO ACID METABOLISM, INBORN ERRORS, immunology/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BLOOD TRANSFUSION/ CROSS REACTIONS/ DWARFISM, drug therapy/ FEMALE/ FSH, therapeutic use/ GEL DIFFUSION TESTS/ GUINEA PIGS/ HEREDITARY DISEASES, diagnosis/ HEREDITARY DISEASES, immunology/ *HEREDITARY DISEASES, therapy/ HUMAN/ IMMUNOASSAY/ IMMUNOELECTROPHORESIS/ IMMUNOLOGIC DEFICIENCY SYNDROMES, diagnosis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, therapy/ LH, therapeutic use/ MALE/ METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, drug therapy/ METABOLISM, INBORN ERRORS, immunology/ MUTATION/ PROTEINS, metabolism/ *PROTEINS, therapeutic use/ RABBITS/ SOMATOTROPIN, therapeutic use

Boykin ME, Martin RH: Preliminary observations on the uptake of catecholamines in synaptosomes of opiate-treated animals. J Pharm Pharmacol 25:484-5, Jun 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ DIACETYLMORPHINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ *MORPHINANS, pharmacodynamics/ MORPHINE, pharmacodynamics/ *NERVE ENDINGS, metabolism/ NOREPINEPHRINE, antagonists & inhibitors/ RATS/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TRITIUM

Boyns AR, Jones GE, Bell ET, et al: A radioimmunoassay for canine luteinizing hormone. J Endocrinol 58:xx, Jul 73
ANIMAL EXPERIMENTS/ DOGS/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ *LH, blood/ MALE/ PREGNANCY/ *RADIOIMMUNOASSAY

Bozza AT, Horwitz ST: Ovarian pregnancy with an intrauterine contraceptive device in situ: a case report. Am J Obstet Gynecol 117:285-6, 15 Sep 73
ADULT/ CORPUS LUTEUM CYST, diagnosis/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ *OVARY/ PREGNANCY/ *PREGNANCY, ECTOPIC

Brackertz D, Kueppers F: Hereditary angioneurotic oedema. Lancet 2:680, 22 Sep 73
ADULT/ ANGIONEUROTIC EDEMA, drug therapy/ *ANGIONEUROTIC EDEMA, familial & genetic/ BLOOD TRANSFUSION/ COMPLEMENT, antagonists & inhibitors/ ESTERASES, antagonists & inhibitors/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use

Bradley PB, Dray A: Actions and interactions of microiontophoretically applied morphine with transmitter substances on brain stem neurones. Br J Pharmacol 47:642P, Mar 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN STEM, drug effects/ CEREBELLUM, physiology/ DRUG INTERACTIONS/ IONTOPHORESIS/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics

443. **Bradshaw CM, Roberts MH, Szabadi E:** Relationship between the kinetics of neuronal responses and the release of drugs from micropipettes: effect of retaining current. Br J Pharmacol 47:653P, Mar 73
ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATS/ DRUGS, administration & dosage/ ELECTROPHORESIS/ GLUTAMATES, pharmacodynamics/ KINETICS/ MESCALINE, pharmacodynamics/ MICROINJECTIONS/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, pharmacodynamics

444. **Bradshaw CM, Szabadi E, Roberts MH:** The reflection of ejecting and retaining currents in the time-course of neuronal responses to microelectrophoretically applied drugs. J Pharm Pharmacol 25:513-20, Jul 73
ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ CATS/ CEREBRAL CORTEX, drug effects/ ELECTROPHORESIS/ FEMALE/ GLUTAMATES, pharmacodynamics/ MALE/ MESCALINE, pharmacodynamics/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, NEURAL, drug effects/ SEROTONIN, pharmacodynamics/ TIME FACTORS

445. **Braendle W, Breckwoldt M, Grasslin D, et al:** Physicochemical and biological properties of 131J-HCG. Acta Endocrinol [Suppl] (Kbh) 173:52, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ELECTROPHORESIS/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ KIDNEY, analysis/ OVARY, analysis/ PREGNANCY/ PSEUDOPREGNANCY/ RATS

446. **Brait K, Fahn S, Schwarz GA:** Sporadic and familial parkinsonism and motor neuron disease. Neurology (Minneap) 23:990-1002, Sep 73
AGED/ AMANTADINE, therapeutic use/ *AMYOTROPHIC LATERAL SCLEROSIS, complications/ AMYOTROPHIC LATERAL SCLEROSIS, drug therapy/ AMYOTROPHIC LATERAL SCLEROSIS, metabolism/ AMYOTROPHIC LATERAL SCLEROSIS, pathology/ CEREBELLAR DISEASES, familial & genetic/ CORPUS STRIATUM, metabolism/ DOPA, therapeutic use/ DOPAMINE, metabolism/ ENCEPHALITIS, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLES, pathology/ NERVE DEGENERATION/ NOREPINEPHRINE, metabolism/ *PARKINSONISM, complications/ PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ PARKINSONISM, pathology/ SEROTONIN, metabolism/ SPINAL CORD DISEASES, familial & genetic/ TRIHEXYPHENIDYL, therapeutic use

447. **Braman SS, Goldman AL, Schwarz MI:** Steroid-responsive hypercalcemia in disseminated bone tuberculosis. Arch Intern Med 132:269-71, Aug 73
ACUTE DISEASE/ ADULT/ *CLAVICLE/ CLAVICLE, radiography/ DRUG RESISTANCE, MICROBIAL/ ETHAMBUTOL, therapeutic use/ ETHIONAMIDE, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ ISONIAZID, therapeutic use/ MALE/ MILITARY MEDICINE/ MYCOBACTERIUM TUBERCULOSIS, isolation & purification/ PHOSPHATES, therapeutic use/ *PREDNISONE, therapeutic use/ RIFAMPIN, therapeutic use/ STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, MILIARY,

complications/ TUBERCULOSIS, MILIARY, drug therapy/ TUBERCULOSIS, MILIARY, etiology/ *TUBERCULOSIS, OSTEOARTICULAR, etiology/ TUBERCULOSIS, OSTEOARTICULAR, radiography/ TUBERCULOSIS, PULMONARY, radiography

448. **Braná H, Hubáček J, König J:** The ATP pool in Escherichia coli K 12 strains bearing the R1 plasmid.
Folia Microbiol (Praha) 18:263-5, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ BACTERIAL PROTEINS, biosynthesis/ CARBON ISOTOPES/ DNA, BACTERIAL/ *DRUG RESISTANCE, MICROBIAL/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ EXTRACHROMOSOMAL INHERITANCE/ LEUCINE, metabolism/ *MUTATION/ NEOMYCIN, pharmacodynamics/ RNA, BACTERIAL, biosynthesis/ URACIL, metabolism

449. **Branch RA, Herbert CM, Read AE:** Determinants of serum antipyrine half-lives in patients with liver disease.
Gut 14:569-73, Jul 73
ADULT/ ALKALINE PHOSPHATASE, blood/ *ANTIPYRINE, blood/ ANTIPYRINE, metabolism/ ASPARTATE AMINOTRANSFERASE, blood/ BILIRUBIN, blood/ HALF-LIFE/ HEPATITIS, blood/ HUMAN/ HYPOPROTEINEMIA, blood/ HYPOPROTHROMBINEMIAS, blood/ LIVER CIRRHOSIS, blood/ *LIVER DISEASES, blood/ LIVER FUNCTION TESTS/ MICROSOMES, LIVER, enzymology/ MIDDLE AGE/ PHENOBARBITAL/ PREDNISONE/ PROTHROMBIN, analysis/ SERUM ALBUMIN, analysis

450. **Brandenburg JH:** Idiopathic subglottic stenosis.
Trans Am Acad Ophthalmol Otolaryngol 76:1402-6, Sep-Oct 72
ADOLESCENCE/ ADULT/ *AIRWAY OBSTRUCTION/ AIRWAY OBSTRUCTION, diagnosis/ AIRWAY OBSTRUCTION, surgery/ BIOPSY/ FEMALE/ *GLOTTIS/ HUMAN/ *LARYNGEAL DISEASES/ LARYNGEAL DISEASES, diagnosis/ LARYNGEAL DISEASES, surgery/ THYROID GLAND, surgery/ TRACHEOTOMY

451. **Brandt BL, Wachtel JS:** The template specificities of DNA polymerase in cell free lysates of Xenopus laevis eggs, larvae and immature ovaries.
Biochem Biophys Res Commun 53:1017-23, 6 Aug 73
ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ CHROMATOGRAPHY, ION EXCHANGE/ *DNA NUCLEOTIDYL-TRANSFERASES, metabolism/ ESCHERICHIA COLI, enzymology/ FEMALE/ GEL FILTRATION/ ION EXCHANGE/ LARVA, enzymology/ *METAMORPHOSIS, BIOLOGICAL/ NUCLEIC ACID DENATURATION/ *OVARY, enzymology/ *OVUM, enzymology/ SPECIES SPECIFICITY/ TEMPLATES/ TRITIUM/ XENOPUS/ XENOPUS, growth & development

452. **Bratlie O:** Behandling av mastitis i sintida.
Nord Vet Med 24:433-9, Sep 72 (Swe)
ANIMAL EXPERIMENTS/ CATTLE/ CLOXACILLIN, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HEXACHLOROPHENE, therapeutic use/ *LACTATION/ MASTITIS, BOVINE, drug therapy/ *MASTITIS, BOVINE, therapy/ NEOMYCIN, therapeutic use/ PENICILLIN, therapeutic use/ PLACEBOS/ UDDER, microbiology

453. **Braun S, Amor B, Rive JC, et al:** Valeur et intérêt de l'électromyogramme dans la polyarthrite rhumatoide, les grandes connectivites et les myopathies iatrogènes.
Rev Rhum Mal Osteoartic 40:407-13, Jun 73 (Fre)
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ ANTIMALARIALS, adverse effects/ *ARTHRITIS, RHEUMATOID, diagnosis/ *COLLAGEN DISEASES, diagnosis/ DERMATOMYOSITIS, diagnosis/ *ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IATROGENI DISEASE/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, chemically induced/ MYOSITIS/ PERIARTERITIS NODOSA, diagnosis/ SCLERODERMA, SYSTEMIC, diagnosis

454. **Braun W:** Immunologic and antineoplastic effects endotoxin: role of membranes and mediation by cycl adenosine-3',5'-monophosphate.
J Infect Dis 128:Suppl:188-97, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENYL CYCLASE/ ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION, drug effects/ *ANTINEOPLASTIC AGENTS/ CELL MEMBRANE, immunology/ *ENDOTOXINS/ HISTIOCYTES/ *IMMUNITY, CELLULAR/ INTERFERON INDUCERS/ *LIPOPOLYSACCHARIDES/ MICE/ MICE, immunology/ PHAGOCYTOSIS/ *POLYNUCLEOTIDES/ THEOPHYLLINE, pharmacodynamics

455. **Braunwald E, Maroko PR:** Investigations on protecti of the ischemic myocardium.
Trans Am Clin Climatol Assoc 84:80-115, 197
ANIMAL EXPERIMENTS/ ASSISTED CIRCULATION/ CREATINE KINASE, metabolism/ DIGITALIS GLYCOSIDES, pharmacodynamics/ DOGS/ ELECTROCARDIOGRAPHY/ GLUCOSE, pharmacodynamics/ HEART, physiopathology/ HUMAN/ HYALURONIDASE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ INSULIN, pharmacodynamics ISOPROTERENOL, pharmacodynamics/ MYOCARDIAL INFARCT, drug therapy/ MYOCARDIAL INFARCT, metabolism/ MYOCARDIAL INFARCT, pathology/ MYOCARDIAL INFARCT, physiopathology/ *MYOCARDIAL INFARCT, therapy/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ OXYGEN CONSUMPTION/ PERFUSION/ POTASSIUM, pharmacodynamics/ PROPRANOLOL, pharmacodynamics

456. **Bravo EL, Dustan HP, Tarazi RC:** Spironolactone as nonspecific treatment for primary aldosteronism
Circulation 48:491-8, Sep 73
ADULT/ AGED/ ALDOSTERONE, urine/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CARBON DIOXIDE, blood/ CREATININE, blood/ CREATININE, urine/ DIET, SALT-FREE/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ *HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, therapy/ MALE/ MIDDLE AGE/ PLASMA VOLUME/ POTASSIUM, blood/ POTASSIUM, urine/ RENIN, blood/ SODIUM, blood/ SODIUM, urine/ *SPIRONOLACTONE, therapeutic use

457. **Bravo Veloso L, Bourgeois JM, Szafarczyk A, et a** Influence de l'administration d'éthanol sur la corticostérone plasmatique et l'élimination urinair des catécholamines.
C R Soc Biol (Paris) 166:1738-42, 1972 (Fre
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE blood/ DOGS/ *EPINEPHRINE, urine/ FEMALE/ MALE/ METHODS/ *NOREPINEPHRINE, urine/ RATS/ STIMULATION, CHEMICAL

458. **Brazeau P, Dansereau M, Gervais MH, et al:** Hypercoagulabilité sanguine avec administration d noréthynodrel: correction par purification de l progestine.
Can J Physiol Pharmacol 51:555-8, Jul 73 (Fre
ANIMAL EXPERIMENTS/ *BLOOD COAGULATION, drug effects/ ESTROGENS, pharmacodynamics/ NORETHYNODREL,

adverse effects/ NORETHYNODREL, isolation & purification/ *NORETHYNODREL, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROTHROMBIN TIME/ RATS/ THROMBOEMBOLISM, chemically induced/ TIME FACTORS

459. **Breckenridge A, Burke CW, Davies DS, et al:** Immediate decrease by hydrocortisone of the plasma half-life of antipyrine. Br J Pharmacol 47:434-6, Feb 73
ADULT/ ANIMAL EXPERIMENTS/ *ANTIPYRINE, blood/ ANTIPYRINE, metabolism/ ANTIPYRINE, urine/ DOGS/ HALF-LIFE/ HUMAN/ *HYDROCORTISONE, pharmacodynamics

460. **Breckwoldt M, Trautwein A, Lisboa BP:** 16Alpha-hydroxylase activity in uterine tissue of the rhesus monkey.
Acta Endocrinol [Suppl] (Kbh) 173:4, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, metabolism/ ESTRIOL, metabolism/ FEMALE/ GEL FILTRATION/ HYDROLYSIS/ *HYDROXYLASES, metabolism/ IN VITRO/ MACACA/ MONKEYS/ TIME FACTORS/ TRITIUM/ *UTERUS, enzymology/ UTERUS, metabolism

461. **Bremner WF, McDougall IR, Greig WR:** Results of treating 297 thyrotolic patients with 125-I.
Lancet 2:281-2, 11 Aug 73
ADULT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE

462. **Brennan JK, Lichtman MA:** The effect of extracellular calcium and magnesium on the proliferation of murine lymphoblasts. J Cell Physiol 82:101-12, Aug 73
CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CELL COUNT/ *CELL DIVISION, drug effects/ CELL LINE/ CONTACT INHIBITION, drug effects/ CULTURE MEDIA/ *LYMPHOSARCOMA/ LYMPHOSARCOMA, metabolism/ MAGNESIUM, metabolism/ *MAGNESIUM, pharmacodynamics/ MICE/ SARCOMA, EXPERIMENTAL/ TEMPERATURE/ TIME FACTORS

463. **Brenner WE, Hendricks CH, Fishburne JI Jr, et al:** Intraamniotic prostaglandin F2-alpha dose--twenty-four-hour abortifacient response.
J Pharm Sci 62:1278-82, Aug 73
*ABORTION, INDUCED/ *AMNION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GESTATIONAL AGE/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects

464. **Brenner WE, Hendricks CH, Dingfelder J, et al:** Laminaria augmentation of intra-amniotic prostaglandin F2 alpha for the induction of mid-trimester abortion.
Prostaglandins 3:879-94, Jun 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ CERVIX UTERI/ COMPARATIVE STUDY/ DIARRHEA, etiology/ DILATATION/ FEMALE/ FEVER, etiology/ HUMAN/ INJECTIONS/ LEUKOCYTE COUNT/ MUSCLE CONTRACTION, drug effects/ NEUTROPHILS/ PARITY/ *PLANTS, MEDICINAL/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS/ UTERINE HEMORRHAGE, etiology/ UTERUS, drug effects

465. **Breuer H, Nocke-Finck L:** Influence of genetic factors on the metabolism of oestrogens in the liver.
Acta Endocrinol [Suppl] (Kbh) 173:5, 1973
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ GENETICS/ *LIVER, metabolism/ MALE/ MICE/ SEX FACTORS

466. **Bricaire H, Franchimont P, Luton JP, et al:** Action du citrate de clomiphéne sur les taux plasmatiques de FSH et LH dans quatre cas d'hypogonadisme avec hyposmie ou anosmie.
Ann Endocrinol (Paris) 33:622-8, Nov-Dec 72 (Fre)
ADOLESCENCE/ ADULT/ *ANOSMIA, complications/ BRAIN DISEASES, blood/ BRAIN DISEASES, complications/ *CLOMIPHENE, pharmacodynamics/ ENGLISH ABSTRACT/ *FRONTAL LOBE, abnormalities/ *FSH, blood/ HUMAN/ *HYPOGONADISM, blood/ HYPOGONADISM, complications/ 17-KETOSTEROIDS, blood/ *LH, blood/ LIMBIC SYSTEM, abnormalities/ MALE/ SYNDROME/ THALAMUS, abnormalities

467. **Brickman AS, Coburn JW, Kurokawa K, et al:** Actions of 1,25-dihydroxycholecalciferol in patients with hypophosphatemic, vitamin-D-resistant rickets.
N Engl J Med 289:495-8, 6 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ CALCIUM, analysis/ CHILD/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ FECES, analysis/ HUMAN/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ *HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ MIDDLE AGE/ PHOSPHATES, administration & dosage/ PHOSPHATES, therapeutic use/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ PHOSPHORUS, urine/ *RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, metabolism

468. **Bridges TE, Lederis K:** Subcellular distribution of 32P-labelled phospholipids in the neural lobe of the rat. J Endocrinol 58:xiv, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *PHOSPHOLIPIDS, analysis/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, POSTERIOR, analysis/ RATS/ *SUBCELLULAR FRACTIONS, analysis

469. **Bridges TE, Lederis K:** Incorporation of 32P into phospholipids of the hypothalamo-neuro-hypophysial system and subcellular distribution of labelled phospholipids in the rat neural lobe.
J Endocrinol 58:327-39, Aug 73
ANIMAL EXPERIMENTS/ CEPHALINS, analysis/ CEREBRAL VENTRICLES/ CHROMATOGRAPHY, THIN LAYER/ FRONTAL LOBE, metabolism/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ LECITHINS, analysis/ LYSOLECITHIN, analysis/ MALE/ MICROSCOPY, ELECTRON/ NEUROSECRETORY SYSTEMS, analysis/ PHOSPHOINOSITIDES, analysis/ *PHOSPHOLIPIDS, biosynthesis/ PHOSPHORUS ISOTOPES/ PITUITARY GLAND, POSTERIOR, cytology/ *PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ SPHINGOMYELINS, analysis

470. **Briggs DM, Nordskog AW:** Influence of sex chromosomes on laying-house performance of chickens. Br Poult Sci 14:403-12, Jul 73
ALLELES/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ EGGS/ FEMALE/ GENETICS, POPULATION/ MALE/ *REPRODUCTION/ *SEX CHROMOSOMES/ SPECIES SPECIFICITY

471. **Brinley FJ Jr:** Calcium and magnesium transport in single cells. Fed Proc 32:1735-9, Jul 73 (16 ref.)
ACETIC ACIDS, pharmacodynamics/

ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ AXONS, physiology/ BARNACLES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ *CELL MEMBRANE, physiology/ CHELATING AGENTS, pharmacodynamics/ CRABS/ DIFFUSION/ ERYTHROCYTES, physiology/ FROGS/ GLYCOLS, pharmacodynamics/ HUMAN/ L CELLS, physiology/ MAGNESIUM, metabolism/ MITOCHONDRIA, metabolism/ MUSCLES, physiology/ POTASSIUM, metabolism/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism/ SQUID

472. **Brismar T:** Effects of ionic concentration on permeability properties of nodal membrane in myelinated nerve fibres of Xenopus laevis. Potential clamp experiments.
Acta Physiol Scand 87:474-84, Apr 73
*CALCIUM, metabolism/ MEMBRANE POTENTIALS/ NERVE FIBERS, MYELINATED, physiology/ NEURONS, physiology/ OSMOLAR CONCENTRATION/ PERMEABILITY/ *POTASSIUM, metabolism/ *RANVIER'S NODES, physiology/ *SODIUM, metabolism/ XENOPUS

473. **Britt JH, Hafs HD, Wettemann RP, et al:** Fertility and embryo survival after administration of melengestrol acetate in rabbits.
Proc Soc Exp Biol Med 143:681-4, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ *FERTILITY, drug effects/ INSEMINATION/ MELENGESTROL, pharmacodynamics/ NIDATION, drug effects/ OVULATION, drug effects/ OVUM, drug effects/ OXYTOCIN, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ *PREGNADIENES, pharmacodynamics/ PREGNANCY/ *PROGESTATIONAL HORMONES, pharmacodynamics/ RABBITS/ TIME FACTORS

474. **Briziarelli G, Castelli PP, Vitali R, et al:** 9 Alpha-fluoro-11 beta-hydroxybenzo (d,e)testosterone 17-acetate. A modified steroid highly active on DMBA-induced mammary tumors in rats.
Experientia 29:618-9, 15 May 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CHEMISTRY/ FEMALE/ FLUORINE/ HYDROXYSTEROIDS, therapeutic use/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ RATS/ *TESTOSTERONE, therapeutic use

475. **Broch E, Gaudiano A, Petti G, et al:** Modifications de quelques parametres biochimiques dans le sang et dans le foie des femelles de "Xenopus laevis" traitees avec des oestrogenes.
Arch Biol (Liege) 83:283-95, 1972 **(Fre)**
ACID PHOSPHATASE/ *BLOOD, drug effects/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ GLUCOSEPHOSPHATASE/ HEMOGLOBIN/ LIVER, cytology/ *LIVER, drug effects/ LIVER, enzymology/ OVARY, cytology/ OVARY, drug effects/ RNA/ SPECTROPHOTOMETRY/ XENOPUS

476. **Brodows RG, Pi-Sunyer FX, Campbell RG:** Neural control of counter-regulatory events during glucopenia in man. J Clin Invest 52:1841-4, Aug 73
*ADRENAL MEDULLA, physiology/ ADULT/ ANTIGENS, analysis/ BLOOD SUGAR/ CATECHOLAMINES, blood/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE, administration & dosage/ *GLUCOSE, metabolism/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, chemically induced/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ LACTATES, blood/ MALE/ NICOTINIC ACID, pharmacodynamics/ SOMATOTROPIN, blood/ SPINAL CORD INJURIES, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS

477. **Brodrick JD, Dark AJ:** Corneal dystrophy in Cockayn syndrome. Br J Ophthalmol 57:391-9, Jun 73
*ABNORMALITIES, MULTIPLE, complication CHILD/ *CHROMOSOMES, HUMAN, 6-12/ CORNEA, pathology/ *CORNEAL DYSTROPHIES, complications/ *DWARFISM, complications/ ELECTRORETINOGRAPHY/ HUMAN/ MALE/ MENTAL RETARDATION, complications/ MICROSCOPY, ELECTRON/ OPHTHALMOSCOPY/ PHOTOSENSITIZATIO SYNDROME/ *TRISOMY/ VISUAL ACUITY

478. **Brody JI, Samitz MH:** Cutaneous signs of cryoparaproteinemia: control with burst alkeran prednisone. Am J Med 55:211-4, Aug 73
ADULT/ BLOOD PROTEIN DISORDERS, blood/ *BLOOD PROTEIN DISORDERS, drug therapy/ BLOOD PROTEIN DISORDERS, immunology/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, analysis/ *COLD/ FEMALE/ HUMAN/ IGA/ IGG/ IGM/ IMMUNE SERUMS/ LEG/ *MELPHALAN, therapeutic use/ MULTIPLE MYELOMA, blood/ PRECIPITIN TESTS/ *PREDNISONE, therapeutic use/ PURPURA, pathology/ *SKIN MANIFESTATIONS

479. **Bronner A, Flament J, Gerhard JP:** L'exophtalm paraneoplasique. Discussion d'une observation
Rev Otoneuroophtalmol 44:411-4, Oct-Dec 72 **(F**
ADULT/ *EXOPHTHALMOS, etiology/ HUMAN/ *LUNG NEOPLASMS, complication LUNG NEOPLASMS, diagnosis/ MALE/ *MEDIASTINAL NEOPLASMS, complications/ NEOPLASM METASTASIS

480. **Brookeman VA:** Non-Gaussian distribution of ser thyroxine levels for euthyroid population.
J Nucl Med 14:660-8, Sep 73
ADOLESCENCE/ ADULT/ AGED/ ANDROGENS, pharmacodynamics/ BINDING, COMPETITIVE/ CHILD/ CHILD, PRESCHOO DIPHENYLHYDANTOIN, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INFANT/ INFAN NEWBORN/ MALE/ MIDDLE AGE/ NEPHROSIS, blood/ PREGNANCY/ *THYROXINE, blood

481. **Brookeman VA, Williams CM:** Cost-benefit analysis in vitro screening tests of thyroid function.
J Nucl Med 14:72i-2, Sep 73
COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ FEMALE/ HUMAN/ PREGNANCY/ *THYROID GLAND FUNCTIO TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

482. **Brookler MI, Mongan ES:** Anserina bursitis. A treatab cause of knee pain in patients with degenerati arthritis. Calif Med 119:8-10, Jul 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, complications/ *BURSITIS, etiology/ BURSITIS, therapy/ FEMALE/ HUMAN/ KNEE, radiography/ MALE/ MIDDL AGE/ PAIN, therapy/ ULTRASONIC THERAPY

483. **Brooks JR, Busch RD, Patanelli DJ, et al:** A study of t effects of a new anti-androgen on the hyperplastic d prostate. Proc Soc Exp Biol Med 143:647-55, Jul
ADMINISTRATION, ORAL/ *ANDROGENS, antagonists & inhibitors/ *ANDROSTENES, therapeutic use/ ANIMAL EXPERIMENTS/ BIOPSY, NEEDLE/ DOGS/ *FURANS, therapeutic use/ INJECTIONS, SUBCUTANEOUS/ LEYDIG CELLS, drug effects/ MALE/ PLACEBOS/ PROSTATE, anatomy & histology/ PROSTATE, drug effects/ PROSTATE, pathology/ *PROSTATIC HYPERTROPHY, drug therapy/ SPERMATOGENESIS, drug effects/ SPIRO COMPOUNDS, therapeutic use/ TIME FACTORS

484. **Brooks SC, Locke ER, Soule HD:** Estrogen receptor in human cell line (MCF-7) from breast carcinom
J Biol Chem 248:6251-3, 10 Sep 73

ADENOCARCINOMA/ *BREAST NEOPLASMS/ BREAST NEOPLASMS, metabolism/ *CARCINOMA/ CARCINOMA, metabolism/ CELL LINE/ CELL NUCLEUS/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM/ DRUG STABILITY/ *ESTRADIOL/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ NEOPLASM PROTEINS/ PHARYNGEAL NEOPLASMS/ PLEURAL EFFUSION/ PROTEIN BINDING/ RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

rooks WF Jr, Wittliff JL: Quantitation of radio-ligand binding data using a desk-top calculator in the program mode. Anal Biochem 54:464-76, Aug 73
BREAST, cytology/ BREAST, drug effects/ *BREAST, metabolism/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ CENTRIFUGATION, DENSITY GRADIENT/ COMPUTERS, DIGITAL/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ HUMAN/ METHODS/ PROTEIN BINDING, drug effects/ *RADIOLIGAND ASSAY/ *RECEPTORS, HORMONE/ TRITIUM

roulik PD, Ston J, Pacovsky V: Effect of chronic renal failure on inactivation of parathormone by rat kidney tissue slices. Physiol Bohemoslov 21:239-42, May 72
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HISTOLOGICAL TECHNICS/ IN VITRO/ KIDNEY, enzymology/ *KIDNEY, metabolism/ *KIDNEY FAILURE, CHRONIC, metabolism/ LIVER, metabolism/ PARATHYROID HORMONE, antagonists & inhibitors/ *PARATHYROID HORMONE, metabolism/ PEPTIDE HYDROLASES, metabolism/ RATS/ TISSUE CULTURE

rown BR Jr: Hepatic microsomal enzyme induction. Anesthesiology 39:178-87, Aug 73 (83 ref.)
ANESTHESIA, INHALATION/ ANESTHETICS, metabolism/ ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ CYTOCHROME P-450, metabolism/ DRUG INTERACTIONS/ ELECTRON TRANSPORT/ ENDOPLASMIC RETICULUM, metabolism/ ENVIRONMENTAL EXPOSURE/ ENZYME INDUCTION/ ENZYME INDUCTION, drug effects/ HORMONES, metabolism/ HUMAN/ METHYLCHOLANTHRENE, pharmacodynamics/ *MICROSOMES, LIVER, enzymology/ NADH, NADPH OXIDOREDUCTASES, metabolism/ PHENOBARBITAL, pharmacodynamics/ REVIEW

rown HM, Storey G: Beclomethasone dipropionate steriod aerosol in treatment of perennial allergic asthma in children. Br Med J 3:161-4, 21 Jul 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ *ASTHMA, drug therapy/ ASTHMA, prevention & control/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ CORTICOTROPIN, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, administration & dosage/ HUMAN/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ SPIROMETRY

rown JD, Beerends JJ, Bartels DC: The effect of phenformin on lipolysis and the concentration of cyclic AMP and ATP in white fat cells. Endocrinology 93:445-9, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, metabolism/ LIPASE, metabolism/ *LIPIDS, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *PHENFORMIN, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

490. **Brown JH, Makman MH:** Influence of neuroleptic drugs and apomorphine on dopamine-sensitive adenylate cyclase of retina.
J Neurochem 21:477-9, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ CATTLE/ CHLORPROMAZINE, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ ERGOTAMINE, pharmacodynamics/ FLUPHENAZINE, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ RETINA, drug effects/ *RETINA, enzymology/ RETINA, metabolism/ *TRANQUILIZING AGENTS, pharmacodynamics

491. **Brown KA, Buchwald JS:** Acoustic responses and plasticity of limbic units in cats.
Exp Neurol 40:608-31, Sep 73
*ACOUSTIC STIMULATION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *AUDITORY PATHWAYS, physiology/ CATS/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ GENICULATE BODIES, physiology/ HABITUATION (PSYCHOPHYSIOLOGY)/ *HIPPOCAMPUS, physiology/ INFERIOR COLLICULUS, physiology/ INHIBITION, NEURAL/ LATERALITY/ MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION/ *RETICULAR FORMATION, physiology

492. **Brown MR, Melling J:** Release of dipicolinic acid and calcium and activation of Bacillus stearothermophilus spores as a function of time, temperature and pH.
J Pharm Pharmacol 25:478-83, Jun 73
*BACILLUS, metabolism/ *CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, metabolism/ *PICOLINIC ACIDS, metabolism/ *SPORES, metabolism/ SPORES, BACTERIAL, metabolism/ TEMPERATURE/ TIME FACTORS

493. **Brown RJ, Winocur G:** The fornix as a reward pathway.
Physiol Behav 11:47-52, Jul 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HIPPOCAMPUS, physiology/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ RATS/ *REWARD/ *SELF STIMULATION/ *SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNICS

494. **Brown TS, Paterson CR:** Osteosclerosis in myeloma.
J Bone Joint Surg [Br] 55:621-3, Aug 73
AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FEMUR, radiography/ HUMAN/ IGA/ *MULTIPLE MYELOMA, complications/ MULTIPLE MYELOMA, drug therapy/ *OSTEOSCLEROSIS, complications/ PELVIS, radiography/ PREDNISOLONE, therapeutic use/ RIBS, radiography

495. **Brown WW, Shetty KR, Rosenfeld PS:** Hyperthyroidism due to struma ovarii: demonstration by radioiodine scan.
Acta Endocrinol (Kbh) 73:266-72, Jun 73
FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ IODINE, metabolism/ IODINE ISOTOPES/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *STRUMA OVARII, complications/ STRUMA OVARII, diagnosis/ STRUMA OVARII, surgery/ *TERATOID TUMOR, complications/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, surgery/ THYROID GLAND, pathology/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism

496. **Brownstein M, Holz R, Axelrod J:** The regulation of pineal serotonin by a beta adrenergic receptor.
J Pharmacol Exp Ther 186:109-13, Jul 73
ACETYLTRANSFERASES, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CIRCADIAN RHYTHM/ FEMALE/ ISOPROTERENOL, pharmacodynamics/ LIGHT/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ *PINEAL BODY, metabolism/ RATS/ *RECEPTORS, ADRENERGIC/ *SEROTONIN, metabolism/ TIME FACTORS

497. **Bruchovsky N, Meakin JW:** The metabolism and binding of testosterone in androgen-dependent and autonomous transplantable mouse mammary tumors.
Cancer Res 33:1689-95, Jul 73
ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CYTOSOL, metabolism/ FEMALE/ GEL FILTRATION/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ PROTEIN BINDING/ RECEPTORS, HORMONE/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

498. **Brun J, Kofman J, Faivre JM:** Le traitement cortisonique de la sarcoidose médiastino-pulmonaire: nécessité d'un triatement précoce et place de l'A.C.T.H.-thérapie (d'aprés un bilan de 75 observations.
Poumon Coeur , 28:321-31, 1972 **(Fre)**
ADMINISTRATION, ORAL/ ADULT/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, therapeutic use/ DRUG RESISTANCE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LUNG DISEASES, drug therapy/ LUNG DISEASES, radiography/ MALE/ *MEDIASTINAL DISEASES, drug therapy/ MEDIASTINAL DISEASES, radiography/ RECURRENCE/ *SARCOIDOSIS, drug therapy/ SARCOIDOSIS, radiography/ TIME FACTORS/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, therapeutic use

499. **Brunclik V, Hauser GA:** Die Kurztherapie der sekundären Amenorrhoe.
Ther Umsch 30:496-502, Jul 73 **(Ger)**
*AMENORRHEA, drug therapy/ ENGLISH ABSTRACT/ ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ NEOSTIGMINE, therapeutic use/ PREGNANCY/ PROGESTERONE, therapeutic use/ TIME FACTORS

500. **Bruni G, Galletti F:** Studi sulla biodisponibilità di alcuni steroidi somministrati per via orale.
Boll Chim Farm 112:110-5, Feb 73 **(Ita)**
ADMINISTRATION, ORAL/ ANDROGENS, administration & dosage/ ANDROSTENEDIONE, administration & dosage/ *BIOPHARMACEUTICS/ DOSAGE FORMS/ ENGLISH ABSTRACT/ HUMAN/ 17-KETOSTEROIDS, administration & dosage/ MALE/ PROGESTERONE, administration & dosage/ *STEROIDS, administration & dosage/ STEROIDS, metabolism/ VEHICLES

501. **Brünner H, Rothmund M:** Cholelithiasis und primärer Hyperparathyreoidismus.
Munch Med Wochenschr 115:1203-10, 29 Jun 73 **(Ger)**
*CHOLELITHIASIS, etiology/ CHOLELITHIASIS, occurrence/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, occurrence/ MALE/ MIDDLE AGE/ RETROSPECTIVE STUDIES

502. **Brus R:** Badania nad układem adrenergicznym w rozwoju osobniczego zwierząt doświadczaln
Pol Tyg Lek 28:957-9, 18 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPH physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ BR metabolism/ CATECHOLAMINES, metabo DOGS/ MICE/ MONOAMINE OXIDASE, metabolism/ RABBITS/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiology

503. **Brus R, Hess ME:** Effect of norepinephrine and fluoride on heart adenyl cyclase in newborn an rats. Endocrinology 93:982-5, Oct 73
*ADENYL CYCLASE, metabolism/ AGIN ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ FEMALE/ *FLUORIDES, pharmacodynamics/ HYPERTHYROIDISM, enzymology/ MALE/ *MYOCARDIUM, enzymology/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ SODIUM, pharmacodynamics/ *TRIIODOTHYRONIN pharmacodynamics

504. **Brüschweiler W, Gehring W:** A method for f living ovaries of Drosophila melanogaster lar its application to the storage of mutant
Experientia 29:134-5, 1 May 73
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ FEMALE/ *FREEZIN LARVA/ METHODS/ MUTATION/ *OVA OVARY, transplantation/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS

505. **Brush MG:** Experimental approaches to endo and ovarian cancer. Postgrad Med J 49:73-6,
CLINICAL RESEARCH/ *ENDOMETRIU FEMALE/ HUMAN/ *OVARIAN NEOPL OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, metabolism/ PROGESTATIONAL HORMONES, therap use/ *UTERINE NEOPLASMS/ UTERIN NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, metabolism

506. **Bubenik GA, Brown GM:** Morphologic sex diff in primate brain areas involved in regula reproductive activity.
Experientia 29:619-21, 15 May 73
AMYGDALOID BODY, cytology/ ANIMA EXPERIMENTS/ *BRAIN, cytology/ CASTRATION/ CELL NUCLEUS/ CERE CORTEX, cytology/ ESTRADIOL, administration & dosage/ FEMALE/ HYPOTHALAMUS, cytology/ LIMBIC S cytology/ MALE/ MEDULLA OBLONGA cytology/ MONKEYS/ *NEURONS, cytol PROGESTERONE, administration & dosa SEX BEHAVIOR, ANIMAL/ SEX FACT

507. **Buchan RC:** Photon interaction processes relative importance in bone and muscle
Radiography 38:319-22, Dec 72
*BONE AND BONES, radiation effects/ AND BONES, radiography/ HEALTH PHYSICS/ HUMAN/ *LIGHT/ *MUSCLE radiation effects/ MUSCLES, radiograph PHYSICS/ *RADIATION EFFECTS/ RADIOTHERAPY, HIGH ENERGY

508. **Buchanan KD:** Gut and islet hormones in d
Postgrad Med J 49:Suppl 1:117-21, Feb
ANIMAL EXPERIMENTS/ *DIABETES MELLITUS, metabolism/ *GASTROINTESTINAL HORMONES, metabolism/ GLUCAGON, metabolism/ *HORMONES, metabolism/ HUMAN/ IS OF LANGERHANS, metabolism/ PANC metabolism/ RATS

509. **Buckingham JC, Hodges JR:** The effect adrenalectomy on blood corticotrophin in
J Endocrinol 58:8, Jul 73
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CORTICOSTERONE, blood/ *CORTICOT blood/ FEEDBACK/ MALE/ PITUITAR GLAND, secretion/ RATS

Buckler JM: Plasma growth hormone response to exercise as diagnostic aid.
Arch Dis Child 48:565-7, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ DWARFISM, blood/ DWARFISM, diagnosis/ DWARFISM, PITUITARY, blood/ *DWARFISM, PITUITARY, diagnosis/ *EXERTION/ FALSE NEGATIVE REACTIONS/ HUMAN/ *SOMATOTROPIN, blood

Buckman MT, Peake GT: Osmolar control of prolactin secretion in man. Science 181:755-7, 24 Aug 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ BLOOD/ DIURESIS/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ HYPOTONIC SOLUTIONS/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ MALE/ OSMOLAR CONCENTRATION/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SEX FACTORS/ WATER/ *WATER-ELECTROLYTE BALANCE

(Budd G), Hughes RE: George Budd (1808-1882) and nutritional deficiency diseases.
Med Hist 17:127-35, Apr 73
DIETETICS, history/ ENGLAND/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ *RICKETS, history/ *SCURVY, history/ *VITAMIN A DEFICIENCY, history

Buffler G: Modification de la croissance des follicles ovariques chez la ratte traitée par LH au cours de cycles de 4 jours.
C R Soc Biol (Paris) 166:1793-5, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE, drug effects/ INJECTIONS, SUBCUTANEOUS/ *LH, pharmacodynamics/ METHODS/ OVARY, drug effects/ OVARY, growth & development/ RATS/ TIME FACTORS

Buhler FR, Laragh JH, Vaughan ED Jr, et al: Antihypertensive action of propranolol. Specific antirenin responses in high and normal renin forms of essential, renal, renovascular and malignant hypertension. Am J Cardiol 32:511-22, 20 Sep 73
ADULT/ AGED/ ALDOSTERONE, blood/ *ANTIHYPERTENSIVE AGENTS, therapeutic use/ BLOOD PRESSURE/ CHILD/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ *HYPERTENSION, MALIGNANT, drug therapy/ *HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, surgery/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, surgery/ *RENIN, blood/ SODIUM, urine

uhler FR, Laragh JH, Sealey JE, et al: Plasma aldosterone-renin interrelationships in various forms of essential hypertension. Studies using a rapid assay of plasma aldosterone.
Am J Cardiol 32:554-61, 20 Sep 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHILD/ DIET/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ MALE/ METHODS/ MIDDLE AGE/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine/ TIME

ukhman AI: K diagnostike i lecheniiu klimaktericheskikh osteopatii.
Probl Endokrinol (Mosk) 19:36-40, May-Jun 73 **(Rus)**
AGED/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ BONE DISEASES, radiography/ BONE DISEASES, therapy/ CHRONIC DISEASE/ *CLIMACTERIC/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, therapy/ SPINAL DISEASES, diagnosis/ SPINAL DISEASES, etiology/ SPINAL DISEASES, therapy

517. **Bull J:** Radiology of the pituitary.
Proc Aust Assoc Neurol 9:199-204, 1973
ADENOMA, radiography/ CAROTID ARTERIES, radiography/ CEREBRAL ANEURYSM, radiography/ CEREBRAL ANGIOGRAPHY/ CRANIOPHARYNGIOMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MENINGIOMA, radiography/ *PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY

518. **Büll U, Frey KW, Schattenkirchner M:** Zur lokalen Kinetik von 87mSr bei Gelenkerkrankungen unter Berüksichtigung vergleichender Untersuchungen mit 113mIn.
Fortschr Geb Roentgenstr Nuklearmed 119:91-100, Jul 73 **(Ger)**
ANKLE/ *ARTHRITIS, RHEUMATOID, metabolism/ BONE AND BONES, metabolism/ CONNECTIVE TISSUE, metabolism/ ENGLISH ABSTRACT/ FOOT/ GOUT, metabolism/ HUMAN/ INDIUM, diagnostic use/ *INDIUM, metabolism/ KNEE JOINT/ OSTEOARTHRITIS, metabolism/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ STRONTIUM ISOTOPES, diagnostic use/ *STRONTIUM ISOTOPES, metabolism/ WRIST

519. **Bu'lock JD, Osagie AU:** Prenols and ubiquinones in single-strain and mated cultures of Blakeslea trispora.
J Gen Microbiol 76:77-83, May 73
ALCOHOLS, analysis/ ALCOHOLS, biosynthesis/ ALCOHOLS, isolation & purification/ *CAROTENE, analysis/ CAROTENE, biosynthesis/ CAROTENE, isolation & purification/ CAROTENOIDS, analysis/ CAROTENOIDS, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ ERGOSTEROL, analysis/ ERGOSTEROL, biosynthesis/ ERGOSTEROL, isolation & purification/ MASS SPECTRUM ANALYSIS/ *PHYCOMYCETES, analysis/ PHYCOMYCETES, growth & development/ TERPENES, analysis/ TERPENES, biosynthesis/ *UBIQUINONE, analysis/ UBIQUINONE, biosynthesis/ UBIQUINONE, isolation & purification/ *VITAMIN D, analysis

520. **Bunch TW, Hunder GG:** Ankylosing spondylitis and primary hyperparathyroidism.
JAMA 225:1108-9, 27 Aug 73
ADENOMA, diagnosis/ BACKACHE, diagnosis/ CALCIUM, blood/ CALCIUM, urine/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ NECK NEOPLASMS, diagnosis/ PELVIC BONES, radiography/ PHOSPHORUS, blood/ SKULL, radiography/ SPINE, radiography/ *SPONDYLITIS, ANKYLOSING, complications

521. **Burakova NS:** Situatsionnye uslovnye refleksy vo vremia techki u sobak.
Zh Vyssh Nerv Deiat 22:949-54, Sep-Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ *CONDITIONING, CLASSICAL/ CUES/ *DISCRIMINATION LEARNING/ DOGS/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ FOOD/ *HIGHER NERVOUS ACTIVITY/ LIGHT/ *SEX BEHAVIOR, ANIMAL

522. **Burckhardt P:** Ostéomalacie: nouveaux aspects de la pathogénése et du traitement.
Schweiz Med Wochenschr 103:1053-6, 28 Jul 73 **(Fre)**
CALCIUM, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYDANTOINS, adverse effects/ HYPERPARATHYROIDISM, complications/ *OSTEOMALACIA/ OSTEOMALACIA, chemically induced/ OSTEOMALACIA, drug therapy/ OSTEOMALACIA, etiology/ OSTEOMALACIA, metabolism/ PHENOBARBITAL, adverse effects/ PHOSPHORUS, metabolism/ PHOSPHORUS, therapeutic use/ RICKETS, etiology/ TIME FACTORS/ VITAMIN D,

therapeutic use/ VITAMIN D DEFICIENCY, complications

523. **Burden DJ, Kendall SB:** The biology of Hyostrongylus rubidus. VI. The peri-parturient faecal egg output in pigs. J Comp Pathol 83:71-81, Jan 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *FECES/ FEMALE/ INSEMINATION, ARTIFICIAL/ LACTATION/ LARVA/ LARVA, growth & development/ PARASITE EGG COUNT/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, etiology/ *PREGNANCY COMPLICATIONS, INFECTIOUS, veterinary/ *PUERPERAL INFECTION, veterinary/ *SWINE DISEASES/ SWINE DISEASES, etiology/ TIME FACTORS/ TRICHOSTRONGYLOIDEA, anatomy & histology/ TRICHOSTRONGYLOIDEA, growth & development/ TRICHOSTRONGYLOIDEA, isolation & purification/ TRICHOSTRONGYLOIDIASIS, etiology/ *TRICHOSTRONGYLOIDIASIS, veterinary/ WEANING

524. **Burden HW:** The distribution of smooth muscle in the cat ovary with a note on its adrenergic innervation. J Morphol 140:467-75, Aug 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CATS/ EPITHELIAL CELLS/ FEMALE/ MICROSCOPY, ELECTRON/ MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, innervation/ MUSCLE, SMOOTH, physiology/ *OVARY, anatomy & histology/ OVARY, innervation/ OVARY, physiology/ OVULATION

525. **Burden M, Lupaşcu E, Mărgineanu L:** Un caz familial de cromozom din grupa E în inel (17) r cu transmitere de la tată la fiu.
Rev Med Chir Soc Med Nat Iasi 77:353-7, Apr-Jun 73 (Rum)
*CHROMOSOME ABNORMALITIES, familial & genetic/ *CHROMOSOMES, HUMAN, 16-18/ CRANIOFACIAL DYSOSTOSIS, familial & genetic/ CRYPTORCHISM, familial & genetic/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ MENTAL RETARDATION, familial & genetic/ MICROCEPHALY, familial & genetic

526. **Burgher LW, Loomis GW, Ware F:** Systemic infection due to Actinobacillus actinomycetemcomitans. Am J Clin Pathol 60:412-5, Sep 73
ACTINOBACILLUS, isolation & purification/ *ACTINOBACILLUS INFECTIONS/ ACTINOBACILLUS INFECTIONS, diagnosis/ ACTINOBACILLUS INFECTIONS, drug therapy/ ACTINOBACILLUS INFECTIONS, microbiology/ ADULT/ AMPICILLIN, therapeutic use/ BRAIN ABSCESS, diagnosis/ BRAIN ABSCESS, drug therapy/ *BRAIN ABSCESS, etiology/ BRAIN ABSCESS, microbiology/ HUMAN/ RADIOISOTOPE SCANNING/ STREPTOMYCIN, therapeutic use/ THYROID DISEASES, diagnosis/ THYROID DISEASES, drug therapy/ *THYROID DISEASES, etiology/ THYROID DISEASES, microbiology

527. **Burke CW, Fraser R, Joplin GF, et al:** Cushing's disease treated by pituitary implant.
Clin Sci 44:5P passim, Feb 73
*CUSHING'S SYNDROME, radiotherapy/ HUMAN/ NEOPLASM RECURRENCE, LOCAL/ *PITUITARY GLAND IRRADIATION/ PITUITARY HORMONES, therapeutic use/ *PITUITARY NEOPLASMS, radiotherapy

528. **Burke CW, Fraser TR, Graves L, et al:** The urinary excretion of triiodothyronine (T3) and thyroxine (T4) in man. J Physiol (Lond) 231:62P, Jun 73
BINDING SITES/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ KIDNEY TUBULES, metabolism/ *THYROXINE, urine/ *TRIIODOTHYRONINE, urine

529. **Burke CW, Shakespeare RA, Fraser R:** Urinary triiodothyronine and thyroxine, and their relationship to the serum free levels.
Clin Sci 44.5P-6P passim, Feb 73
FEMALE/ GEL FILTRATION/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ RADIOIMMUNOASSAY/ THYROXINE, bloo
*THYROXINE, urine/ TRIIODOTHYRONINE blood/ *TRIIODOTHYRONINE, urine

530. **Burke G:** Effects of thyrotropin and N6,02'-dibu cyclic 3',5'-adenosine monophosphate on prostaglandin levels in thyroid.
Prostaglandins 3:291-7, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHA biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ DEPRESSION, CHEMIC DOSE-RESPONSE RELATIONSHIP, DRUG/ INDOMETHACIN, pharmacodynamics/ MICE *PROSTAGLANDINS, biosynthesis/ RABBIT immunology/ RADIOIMMUNOASSAY/ RAT STIMULATION, CHEMICAL/ *THYROID GLAND, drug effects/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS

531. **Burke G:** Comparative effects of purine nucleotid thyrotropin- and prostaglandin E1-responsive adenylate cyclase in thyroid plasma memb
Prostaglandins 3:537-40, Apr 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, biosynthesis/ ANIMAL EXPERIMENTS/ CATTLE/ *CELL MEMBRANE, drug effect CELL MEMBRANE, enzymology/ DEPRESS CHEMICAL/ ENZYME ACTIVATION, drug effects/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ IN VITRO/ *INOSINE NUCLEOTIDES, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ STIMULATION, CHEMICAL/ *THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ THYROTROPIN, pharmacodynamics

532. **Burke MD, Lake BG, Tredger JM, et al:** Daily rhyt variations in hamster liver drug metabolism associated parameters. Biochem J 130:72P, No
ANILINE COMPOUNDS, metabolism/ ANIM EXPERIMENTS/ BINDING SITES/ BIPHEN COMPOUNDS, metabolism/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, metabolism CYTOCHROME P-450, metabolism/ HAMSTERS/ IN VITRO/ *MICROSOMES, LIVER, metabolism/ SPECTRUM ANALYSI

533. **Bürki K, Würgler FE:** Maternal effects on x-ray-induced sex chromosome loss in mature s of Drosophila melanogaster: a storage effec mature oocytes. Arch Genet (Zur) 46:53-61,
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER, radiation effects/ GENOTYPE/ *OVUM, radiation effects/ *RADIATION EFFECTS/ *SEX CHROMOSOMES, radiation effects/ *SPERMATOZOA, radiation effects

534. **Burmistrova NN:** Aktual'nye voprosy vospitatel'no-pedagogicheskoi raboty s somatic bol'nymi det'mi v usloviiakh statsionara. Pediatriia 51:61-5, Oct 72
ADAPTATION, PSYCHOLOGICAL/ ADREN CORTEX HORMONES, pharmacodynamics/ ANESTHESIA/ CHILD BEHAVIOR, drug effects/ *CHILD, HOSPITALIZED/ *EDUCATION, SPECIAL/ ENGLISH ABSTRACT/ HUMAN/ *STRESS, PSYCHOLOGICAL/ USSR

535. **Burnett D, Carpenter BT, Day DW, et al:** Semi-automated method for serum thyroxin iodine using commercially available pre-packed columns. Clin Chim Acta 46:321-32, 14 Jul
ARSENIC/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, ION EXCHANGE, standards/ COLORIMETRY/ COMPARATIV STUDY/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMA HYPERTHYROIDISM, blood/

HYPOTHYROIDISM, blood/ *IODINE, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS, standards/ *THYROXINE, blood/ THYROXINE, isolation & purification/ TIME FACTORS/ TRIIODOTHYRONINE, blood

Burns JK: Serum sodium and potassium and blood glucose levels in cynamolgus monkeys after administration of melatonin.
J Physiol (Lond) 232:84P-85P, Jul 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ INJECTIONS, INTRAMUSCULAR/ MACACA, physiology/ MELATONIN, administration & dosage/ *MELATONIN, pharmacodynamics/ MONKEYS/ *POTASSIUM, blood/ *SODIUM, blood

Burns TW, Langley PE, Robison GA: Studies on the role of cyclic AMP in human lipolysis.
Adv Cyclic Nucleotide Res 1:63-85, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CATTLE/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *FATTY ACIDS, metabolism/ GLUCAGON, pharmacodynamics/ GLYCERIN, metabolism/ HUMAN/ INSULIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ MALE/ PHENTOLAMINE, pharmacodynamics/ PITUITARY HORMONES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ THEOPHYLLINE, pharmacodynamics/ THYROTROPIN, pharmacodynamics

urov IuV: Vliianie neirotropnykh veshchestv na reaktsiiu napadeniia, vyzvannuiu elektricheskim rezdrazheniem gipotalamusa.
Zh Vyssh Nerv Deiat 22:1019-22, Sep-Oct 72 (Rus)
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BENACTYZINE, pharmacodynamics/ CATS/ CHLORDIAZEPOXIDE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ HALOPERIDOL, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ IMIPRAMINE, pharmacodynamics/ MEPROBAMATE, pharmacodynamics/ MORPHINE, pharmacodynamics/ *TRANQUILIZING AGENTS, pharmacodynamics/ TRIFLUOPERAZINE, pharmacodynamics

urr IM, Graham T, Sullivan J, et al: A estosterone-secreting tumour of the adrenal producing virilisation in a female infant.
Lancet 2:643-4, 22 Sep 73
ADRENAL CORTEX HORMONES, secretion/ ADRENAL CORTICAL REST TUMOR, diagnosis/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, metabolism/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ INFANT/ 17-KETOSTEROIDS, secretion/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, secretion/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion/ *VIRILISM, etiology

rstein AH, Currey JD, Frankel VH, et al: The ltimate properties of bone tissue: the effects of ielding. J Biomech 5:35-44, Jan 72
ANIMAL EXPERIMENTS/ *BIOMECHANICS/ *BONE AND BONES, physiology/ CATTLE/ ELASTICITY/ FEMUR, physiology/ MATHEMATICS/ MODELS, BIOLOGICAL/ STRESS, MECHANICAL

rwell RG: The biological component of the orthopaedic troika with particular reference to scoliosis. Acta Orthop Belg 39:444-59, Mar-Apr 73
ADOLESCENCE/ AUTORADIOGRAPHY/ BIOPSY/ BONE AND BONES, metabolism/ FEMALE/ HUMAN/ ILIUM/ MALE/ MUCOPOLYSACCHARIDES, biosynthesis/ MUCOPOLYSACCHARIDES, metabolism/ NEUROFIBROMATOSIS, complications/ ORTHOPEDICS/ SCHEUERMANN'S DISEASE, complications/ SCOLIOSIS, etiology/ SCOLIOSIS, metabolism/ *SCOLIOSIS, pathology/ SCOLIOSIS, therapy/ SPINAL FUSION/ TRACTION

542. **Busch W, Döcke F, Flick D, et al**: Untersuchungen zur Brunstsynchronisation bei Färsen.
Arch Exp Veterinaermed 26:989-97, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ *CATTLE/ *CHLORMADINONE, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION, drug effects/ OVULATION, drug effects/ TIME FACTORS

543. **Buss WC, Gabourel JD**: Corticol effect on protein synthesis and ribonucleic acid polymerase activity in rat thymus. Biochem Pharmacol 22:1565-72, 1 Jul 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS, enzymology/ CELL NUCLEUS, metabolism/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ DNA, analysis/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LEUCINE, metabolism/ MALE/ ORGAN WEIGHT/ *PROTEINS, biosynthesis/ RATS/ RNA POLYMERASE, isolation & purification/ *RNA POLYMERASE, metabolism/ SUCROSE/ THYMUS GLAND, cytology/ THYMUS GLAND, drug effects/ *THYMUS GLAND, enzymology/ THYMUS GLAND, metabolism/ TIME FACTORS/ TRITIUM

544. **Butler WT, Rossen RD**: Effects of corticosteroids on immunity in man. I. Decreased serum IgG concentration caused by 3 or 5 days of high doses of methylprednisolone. J Clin Invest 52:2629-40, Oct 73
ADULT/ *ANTIBODY FORMATION, drug effects/ BODY WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IGA/ *IGG, metabolism/ IGM/ *IMMUNITY, CELLULAR, drug effects/ INFUSIONS, PARENTERAL/ IODINE ISOTOPES/ MALE/ METABOLIC CLEARANCE RATE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, pharmacodynamics/ TIME FACTORS

545. **Butler WT, Rossen RD**: Effects of corticosteroids on immunity in man. II. Alterations in serum protein components after methylprednisolone.
Transplant Proc 5:1215-9, Sep 73
ADMINISTRATION, ORAL/ ALPHA GLOBULIN, analysis/ BETA GLOBULIN, analysis/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS, metabolism/ GEL DIFFUSION TESTS/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOGLOBULINS, metabolism/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, pharmacodynamics/ SERUM ALBUMIN, analysis

546. **Butt WR, Ryle M, Shirley A**: Kinetic studies with 125I-labelled follicle-stimulating hormone.
J Endocrinol 58:275-87, Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, administration & dosage/ FSH, blood/ *FSH, metabolism/ IN VITRO/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ MICE/ OVARY, metabolism/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE, metabolism/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ TIME FACTORS

547. **Bützler HO, Henscher L, Mennicken U, et al**: Die Röntgendiagnose der skelettveränderungen des

Ellis-van-Creveld-Syndroms im Wachstumsalter. (Literaturanalyse und Bericht über zwei eigene Beobachtungen.
Fortschr Geb Roentgenstr Nuklearmed 118:537-52, May 73 (Ger)
*BONE AND BONES, radiography/ CARPAL BONES, abnormalities/ CARPAL BONES, radiography/ CHILD/ *ELLIS-VAN CREVELD SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/ FINGERS, abnormalities/ FINGERS, radiography/ HUMAN/ INFANT, NEWBORN/ PELVIC BONES, abnormalities/ PELVIC BONES, radiography/ TIBIA, abnormalities/ TIBIA, radiography/ TOES, abnormalities/ TOES, radiography

548. **Buznikov GA, Zvezdina ND, Prokazova NV, et al:** Vliianie gangliozidov na chuvstvitel'nost' émbrional'nykh kletok k neĭrofarmakologicheskim preparatam.
Dokl Akad Nauk SSSR 210:1457-60, 1973 (Rus)
ANIMAL EXPERIMENTS/ GANGLIOSIDES, isolation & purification/ *GANGLIOSIDES, physiology/ LIPIDS, isolation & purification/ LIPIDS, physiology/ OVUM, analysis/ *OVUM, drug effects/ PHOSPHOLIPIDS, isolation & purification/ PHOSPHOLIPIDS, physiology/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, physiology/ SEA URCHINS/ SEROTONIN, pharmacodynamics/ *TRYPTAMINES, pharmacodynamics

C

549. **Cacciola E, Lombardo T, Siciliano R, et al:** Le piastrinopenie idiopatiche recidivanti. Contributo clinicoematologico.
Haematologica (Pavia) 58:203-9, 1973 (Ita)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BLOOD COAGULATION TESTS/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, ORAL, etiology/ HUMAN/ MALE/ *PURPURA, THROMBOPENIC, diagnosis/ PURPURA, THROMBOPENIC, drug therapy/ RECURRENCE/ THROMBOPENIA, complications/ *THROMBOPENIA, diagnosis

550. **Cade I:** The clinical picture and management of testicular tumours. Clin Radiol 24:385-91, Jul 73
ADULT/ AGE FACTORS/ CHILD, PRESCHOOL/ DISGERMINOMA, etiology/ DISGERMINOMA, occurrence/ DISGERMINOMA, pathology/ DISGERMINOMA, therapy/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ TERATOID TUMOR, etiology/ TERATOID TUMOR, occurrence/ TERATOID TUMOR, pathology/ TERATOID TUMOR, therapy/ *TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, occurrence

551. **Cadete-Leite A:** Etude microangiographique de l'irrigation artérielle de l'utérus chez la chienne.
Acta Anat (Basel) 85:406-17, 1973 (Fre)
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ *ARTERIES, radiography/ *DOGS, anatomy & histology/ ENGLISH ABSTRACT/ ESTRUS/ HUMAN/ MESENTERIC ARTERIES, radiography/ OVARY, blood supply/ *UTERUS, blood supply/ VAGINA, blood supply

552. **Cain JP, Williams GH, Diuhy RG:** Glucagon-initiated human growth hormone release: a comparative study.
Can Med Assoc J 107:617-22, 7 Oct 72
ADULT/ AGED/ ARGININE, pharmacodynamics/ BLOOD SUGAR, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GLUCAGON, pharmacodynamics/ GONADOTROPINS, urine/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOGLYCEMIA, chemically induced/ HYPOPITUITARISM, metabolism/ HYPOPITUITARISM, urine/ INSULIN, pharmacodynamics/ 17-KETOSTEROIDS, urine/ MALE/ METYRAPONE, pharmacodynamics/ MIDDLE AGE/ RADIOIMMUNOASSAY/ SELLA TURCICA, drug effects/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ THYROXINE, blood/ TOLBUTAMIDE, pharmacodynamics

553. **Calderon D, Schnedl W:** A comparison betw -quinacrine fluorescence banding and 3H-thymi incorporation patterns in human chromosom
Humangenetik 16:63-70, 23 Mar 73
AUTORADIOGRAPHY/ BLOOD/ *CHROMOSOMES, HUMAN, 1-3/ *CHROMOSOMES, HUMAN, 6-12/ *CHROMOSOMES, HUMAN, 16-18/ *DNA REPLICATION/ FEMALE/ FLUORESCENC HUMAN/ KARYOTYPING/ MALE/ MITOSI QUINACRINE/ *SEX CHROMOSOMES/ THYMIDINE/ TISSUE CULTURE/ TRITIU

554. **Calverley MH, Butler LJ:** Atypical gonadal dysgen A clinical and cytogenetical report of three pati
J Obstet Gynaecol Br Commonw 80:735-44, Au
ADOLESCENCE/ ADULT/ AMENORRHEA, etiology/ BIOPSY/ BODY HEIGHT/ CELL LINE/ CHROMOSOMES/ ESTROGENS, urin FEMALE/ FSH, urine/ HUMAN/ KARYOTYPING/ 17-KETOSTEROIDS, urine LAPAROTOMY/ LH, urine/ MENSTRUATI MOSAICISM/ OVARY, pathology/ SEX CHROMATIN/ SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genet TURNER'S SYNDROME, pathology

555. **Cameron EH, Scarisbrick JJ:** Determination corticosterone in rat plasma by competitiv protein-binding assay and its use in assessing effects of CB154 and perphenazine on ad function. J Endocrinol 58:27-8, Jul 73
*ADRENAL GLANDS, drug effects/ ANIM EXPERIMENTS/ BROMINE, pharmacodyna CHROMATOGRAPHY/ *CORTICOSTERONE blood/ *ERGOT ALKALOIDS, pharmacodynamics/ ORGAN WEIGHT/ *PERPHENAZINE, pharmacodynamics/ RADIOLIGAND ASSAY/ RATS/ TRITIUM

556. **Cameron HU, Pilliar RM, MacNab I:** The effe movement on the bonding of porous metal to
J Biomed Mater Res 7:301-11, Jul 73
BINDING SITES/ BONE AND BONES, cytology/ *BONE REGENERATION/ *CHROMIUM-COBALT ALLOYS/ DOGS/ FRACTURE FIXATION/ MICROSCOPY, ELECTRON, SCANNING/ MOLYBDENUM/ *MOVEMENT/ ORTHOPEDIC FIXATION DEVICES/ OSTEOTOMY/ TIBIA, radiograp

557. **Campbell JR, Watts C:** Assessment of adrenal fun in dogs. Br Vet J 129:134-45, Mar-Apr 73
*ADRENAL GLANDS, physiology/ ANIMA EXPERIMENTS/ *DOGS, physiology/ FEM MALE/ PITUITARY-ADRENAL FUNCTIO TESTS

558. **Campbell M, Breuer H, Wolman SR:** The interp biological and environmental factors in a preschool-age patient with Klinefelter's synd Case report. Pediatrics 52:29-37, Jul 73
ABNORMALITIES, DRUG-INDUCED/ AMOBARBITAL, therapeutic use/ *CHILD BEHAVIOR DISORDERS, etiology/ CHILD DEVELOPMENT DEVIATIONS, etiology/ CHILD, PRESCHOOL/ DERMATOGLYPHIC DEXTRO AMPHETAMINE, therapeutic us FEMALE/ HUMAN/ HYPERKINESIS, etio INTELLIGENCE TESTS/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, complicati LANGUAGE DISORDERS, etiology/ MALE *MATERNAL DEPRIVATION/ *MENTAL RETARDATION, complications/ MENTAL RETARDATION, diagnosis/ PHENMETRAZ therapeutic use/ PREGNANCY/ PREGNA COMPLICATIONS, drug therapy/ PSYCHOLOGICAL TESTS/ SEX CHROMA analysis/ SEX CHROMOSOME ABNORMALITIES, complications/ SOCIAL ENVIRONMENT

559. **Campbell M, Fish B, David R, et al:** Respon triiodothyronine and dextroamphetamine: a st preschool schizophrenic children.

J Autism Child Schizo 2:343-58, Oct-Dec 72
ADAPTATION, PSYCHOLOGICAL/ AGE FACTORS/ AUTISM, drug therapy/ BLOOD PRESSURE/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL, blood/ CLINICAL RESEARCH/ DEXTRO AMPHETAMINE, administration & dosage/ *DEXTRO AMPHETAMINE, therapeutic use/ FEMALE/ HEART RATE/ HUMAN/ INTELLIGENCE/ KLINEFELTER'S SYNDROME, physiopathology/ LANGUAGE DEVELOPMENT/ MALE/ MOTOR SKILLS/ PERSONALITY DEVELOPMENT/ PLACEBOS/ *SCHIZOPHRENIA, CHILDHOOD, drug therapy/ SCHIZOPHRENIA, CHILDHOOD, physiopathology/ THYROID DISEASES, familial & genetic/ THYROID GLAND, physiopathology/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, therapeutic use/ TURNER'S SYNDROME, physiopathology

Caniggia A, Gennari C: Effetti metabolici della calcitonina nell'uomo.
Minerva Med 64:2249-58, 1973 (Ita)
ADULT/ AGED/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ HYPOCALCEMIA, chemically induced/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, drug therapy/ *OSTEOPOROSIS, drug therapy/ *PHOSPHORUS, metabolism/ THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, pharmacodynamics/ THYROCALCITONIN, therapeutic use/ TIME FACTORS

Cannella M, Curioni GB, Fasoli M: Valutazione clinica nella terapia antinevritica di un preparato contenente nucleosidi.
Minerva Med 64:1839-43, 16 May 73 (Ita)
*ADENINE NUCLEOTIDES, therapeutic use/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ADULT/ AGED/ BACKACHE, drug therapy/ DRUG COMBINATIONS/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEURALGIA, drug therapy/ *NEURITIS, drug therapy/ SCIATICA, drug therapy/ *THIAMINE, therapeutic use/ *THYMINE NUCLEOTIDES, therapeutic use/ *VITAMIN B 12, therapeutic use

Caplan M: An analysis of the effects of septal lesions on negatively reinforced behavior.
Behav Biol 9:129-67, Aug 73 (129 ref.)
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ CATS/ CEREBRAL CORTEX, physiology/ CONDITIONING (PSYCHOLOGY)/ ELECTRIC STIMULATION/ ELECTROSHOCK/ EMOTIONS/ EVOKED POTENTIALS/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MICE/ MOTOR ACTIVITY/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, physiology/ PUNISHMENT/ RATS/ *REINFORCEMENT (PSYCHOLOGY)/ REVIEW/ *SEPTUM PELLUCIDUM, physiology/ SPECIES SPECIFICITY/ THALAMUS, physiology

Cappelaere P, Demaille A, Adenis L: L'exploration immunitaire des cancéreux. II. Immunité tumorale.
Lille Med 18:179-201, Feb 73 (184 ref.) (Fre)
ADENOCARCINOMA, immunology/ BLADDER NEOPLASMS, immunology/ BRAIN NEOPLASMS, immunology/ BREAST NEOPLASMS, immunology/ CHORIOCARCINOMA, immunology/ COLONIC NEOPLASMS, immunology/ GYNECOLOGIC NEOPLASMS, immunology/ HODGKIN'S DISEASE, immunology/ HUMAN/ *IMMUNITY, CELLULAR/ LARYNGEAL NEOPLASMS, immunology/ LEUKEMIA, immunology/ LYMPHOCYTES, immunology/ MELANOMA, immunology/ NEOPLASM REGRESSION, SPONTANEOUS/ *NEOPLASMS, immunology/ NEUROBLASTOMA, immunology/ PHARYNGEAL NEOPLASMS, immunology/ REVIEW/ SARCOMA, immunology/ SKIN NEOPLASMS, immunology/ STOMACH NEOPLASMS, immunology

564. **Caraway WT, Kammeyer CW:** Chemical interference by drugs and other substances with clinical laboratory test procedures.
Clin Chim Acta 41:395-434, Oct 72 (353 ref.)
BLOOD CHEMICAL ANALYSIS/ *CHEMISTRY, CLINICAL/ ENZYME TESTS/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ LIVER FUNCTION TESTS/ METHODS/ REVIEW/ THYROID GLAND FUNCTION TESTS/ URINE, analysis

565. **Cardinali G:** Posizione degli alcaloidi della Vinca rosea (Catharanthus roseus) nel trattamento del m. di Hodgkin. Haematologica (Pavia) 53:51-64, 1973 (Ita)
CLINICAL RESEARCH/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ PREDNISONE, therapeutic use/ *VINBLASTINE, therapeutic use/ *VINCRISTINE, therapeutic use

566. **Cardozo LJ, Jagwe JG, Kyobe J, et al:** A sex chromatin survey in Africans. East Afr Med J 49:874-8, Nov 72
FEMALE/ HEALTH SURVEYS/ HUMAN/ MALE/ NEGROID RACE/ SAMPLING STUDIES/ *SEX CHROMATIN, analysis/ UGANDA

567. **Carducci Artenisio A, Albanese MC, Allegra V, et al:** S.N.V. e secrezione insulinica. II. Effetto deo bloccanti adrenergici sulla secrezione insulinica in risposta alla tolbutamide.
Folia Endocrinol (Roma) 25:467-85, Dec 72 (Ita)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADULT/ ANTIGENS/ AUTONOMIC NERVOUS SYSTEM, drug effects/ *AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD SUGAR/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INSULIN, antagonists & inhibitors/ INSULIN, blood/ *INSULIN, secretion/ MALE/ MIDDLE AGE/ PHENTOLAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ TOLBUTAMIDE, diagnostic use

568. **Carducci Artenisio A, Allegra V, Albanese MC, et al:** Sistema nervoso vegetativo e secrezione di HGH. I. Effetto delle catecolamine sulla secrezione di hgh dopo carico endovenoso di tolbutamide o insulina in soggetti normali.
Folia Endocrinol (Roma) 26:189-205, Jun 73 (Ita)
ADULT/ *AUTONOMIC NERVOUS SYSTEM, drug effects/ *CATECHOLAMINES, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INJECTIONS, INTRAVENOUS/ *INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ MIDDLE AGE/ NOREPINEPHRINE, pharmacodynamics/ SOMATOTROPIN, blood/ *TOLBUTAMIDE, administration & dosage/ TOLBUTAMIDE, pharmacodynamics

569. **Carducci Artenisio A, Sprovieri M, Alibrando S, et al:** Sistema nervoso vegetativo e secrezione di HGH. II. Azione dei farmaci bloccanti adrenergici sulla secrezione di HGH conseguente al carico endovenoso di tolbutamide.
Folia Endocrinol (Roma) 26:206-16, Jun 73 (Ita)
ADULT/ AUTONOMIC NERVOUS SYSTEM, drug effects/ *AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD SUGAR/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ *GONADOTROPINS, CHORIONIC, secretion/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ INJECTIONS, INTRAVENOUS/ MIDDLE AGE/ PHENTOLAMINE, administration & dosage/ *PROPRANOLOL, pharmacodynamics/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ *TOLBUTAMIDE, administration & dosage/ TOLBUTAMIDE, pharmacodynamics

570. **Carlde VJ**: Rectal absorption of 99m Tc-pertechnetate in the dog. J Nucl Med 14:600-3, Aug 73
ANIMAL EXPERIMENTS/ CATHETERIZATION/ COMPARATIVE STUDY/ DOGS/ *INTESTINAL ABSORPTION/ IODINE, metabolism/ IODINE ISOTOPES/ *RECTUM, metabolism/ TECHNETIUM, administration & dosage/ *TECHNETIUM, metabolism

571. **Carletti B, Kehyayan E**: L'eliminazione urinaria delle gonadotropine nei bambini di 1-2 anni. Minerva Pediatr 25:866-7, 1973 (Cze)
CHILD, PRESCHOOL/ FEMALE/ *GONADOTROPINS, urine/ HUMAN/ INFANT/ MALE/ METHODS/ RADIOIMMUNOASSAY

572. **Carlisle HJ**: Schedule-induced polydipsia: blockade by intrahypothalamic atropine. Physiol Behav 11:139-43, Aug 73
ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ BODY WEIGHT/ BRAIN MAPPING/ CONDITIONING, OPERANT/ *DRINKING/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ NITRATES/ RATS/ *REINFORCEMENT SCHEDULE/ STEREOTAXIC TECHNICS/ SULFATES/ THIRST

573. **Carlisle HJ, Ingram DL**: The influence of body core temperature and peripheral temperatures on oxygen consumption in the pig. J Physiol (Lond) 231:341-52, Jun 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ BODY TEMPERATURE REGULATION/ COLD/ HEAT/ HYPOTHALAMUS, physiology/ *OXYGEN CONSUMPTION/ PHYSICAL STIMULATION/ SKIN TEMPERATURE/ SPINAL CORD, physiology/ *SWINE, physiology

574. **Carlisle HJ, Ingram DL**: The effects of heating and cooling the spinal cord and hypothalamus on thermoregulatory behaviour in the pig. J Physiol (Lond) 231:353-64, Jun 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BODY TEMPERATURE REGULATION/ CERVICAL VERTEBRAE/ COLD/ *HYPOTHALAMUS, physiology/ PHYSICAL STIMULATION/ POSTURE/ *SPINAL CORD, physiology/ *SWINE, physiology/ TIME FACTORS

575. **Carlson LA, Butcher RW**: Levels of cyclic AMP and rate of fat mobilizing lipolysis in human adipose tissue in response to different adrenergic stimulators. Adv Cyclic Nucleotide Res 1:87-90, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ *CAFFEINE, pharmacodynamics/ FATTY ACIDS, metabolism/ GLYCERIN, metabolism/ HUMAN/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

576. **Carlsson A, Lindqvist M**: In-vivo measurements of tryptophan and tyrosine hydroxylase activities in mouse brain. J Neural Transm 34:79-91, 1973
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBOXY-LYASES, antagonists & inhibitors/ DOPA, metabolism/ DOPAMINE, metabolism/ FEMALE/ HYDRAZINES, administration & dosage/ *HYDRAZINES, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ *HYDROXYTRYPTOPHAN, metabolism/ MICE/ NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ *SEROTONIN, biosynthesis/ *TRYPTOPHAN, metabolism/ *TYROSINE HYDROXYLASE, metabolism

577. **Carlsson A, Lindqvist M**: Effect of ethanol on the hydroxylation of tyrosine and tryptophan in rat brain in vivo. J Pharm Pharmacol 25:437-40, Jun 73
ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, enzymolo *BRAIN, metabolism/ CARBOXY-LYASES, antagonists & inhibitors/ CORPUS STRIATU metabolism/ DOPA, metabolism/ DOPAMINE metabolism/ HYDRALAZINE, pharmacodynamics/ HYDROXYLATION/ IN VITRO/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ TRITIUM *TRYPTOPHAN, metabolism/ *TYROSINE, metabolism

578. **Carlstedt-Duke J, Gustafsson JA**: Sexual difference hepatic sulphurylation of deoxcorticosterone in r Eur J Biochem 36:172-7, 2 Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ CELL FRACTIONATION/ *DESOXYCORTICOSTERONE, metabolism/ ENZYME INDUCTION/ ESTRADIOL/ FEMALE/ KINETICS/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ RATS/ SEX FACTORS/ SULFURTRANSFERASES, antagonists & inhibitors/ *SULFURTRANSFERASES, metabolism/ TESTOSTERONE/ TRITIUM

579. **Carmichael SW, Blair BC**: Normal ultrastructure of day old dog adrenal medulla. J Anat 115:113-8, Ma
*ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, anatomy & histology/ CHROMAFFIN SYSTE cytology/ CYTOPLASM/ DOGS/ *DOGS, anatomy & histology/ EPINEPHRINE/ GOL APPARATUS/ MEMBRANES/ MICROSCOPY ELECTRON/ NOREPINEPHRINE/ PERFUSI

580. **Carmignani MP, Zaccone G**: Histochemical analysi the neurosecretory product in fishes. Acta Histochem (Jena) 45:232-40, 1973
ANIMAL EXPERIMENTS/ *FISHES, physiology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, analysis/ LIPIDS, analysi *PITUITARY HORMONE RELEASING FACTORS, analysis/ POLYSACCHARIDES, analysis/ PROTEINS, analysis

581. **Carr AA**: Effect of PGA1 on renin and aldosteron man. Prostaglandins 3:621-8, May 73
ADULT/ *ALDOSTERONE, urine/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ DIURESIS, drug effects/ HEART RATE, drug effects/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERTENSION, drug therapy/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ MALE/ MIDDLE AGE/ PROSTAGLANDINS, administration & dosag PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ RENIN, blood/ SODIUM, urine/ TIME FACTORS/ VANILMANDELIC ACID, urine

582. **Carruba M, Mandelli V, Mantegazza P**: The effec angiotensin II and other vasoactive drugs on isola portal vein preparations. Arch Int Pharmacodyn Ther 201:224-33, Feb
ACETYLCHOLINE, pharmacodynamics/ *ANGIOTENSIN, pharmacodynamics/ BARIU pharmacodynamics/ BIOLOGICAL ASSAY/ EPHEDRINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NICOTIN pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PORTAL VEIN, drug effects/ RABBITS/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics

583. **Carson IW, Clarke RS, Dundee JW**: Interaction suxamethonium with intravenous induction age Br J Pharmacol 47:879P, Mar 73
ADULT/ *ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, pharmacodynamics/ BARBITURATES, pharmacodynamics/ DRUG COMBINATIONS/ DRUG INTERACTIONS/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ KETAMINE,

pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ PREGNANES, pharmacodynamics/ PROPANIDID, pharmacodynamics/ RESPIRATION, drug effects/ *SUCCINYLCHOLINE, pharmacodynamics

asaretto AA, Marchioro TL, Bagdade JD: Hyperlipidemia following renal transplant. Trans Am Soc Artif Intern Organs 19:154-6, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY WEIGHT/ CHILD/ CHOLESTEROL, blood/ CREATININE, blood/ FASTING/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERLIPEMIA, blood/ *HYPERLIPEMIA, etiology/ INSULIN, blood/ *KIDNEY, transplantation/ LIPOPROTEIN LIPASE, blood/ MALE/ *POSTOPERATIVE COMPLICATIONS/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ TRIGLYCERIDES, blood

ze RM: Calcium and gastrointestinal secretion. Digestion 8:269-88, 1973 (102 ref.)
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ DOGS/ GASTRIC JUICE, secretion/ GASTROINTESTINAL HORMONES, metabolism/ *GASTROINTESTINAL HORMONES, secretion/ HUMAN/ *HYPERPARATHYROIDISM, complications/ INTESTINAL SECRETIONS/ NEURAL TRANSMISSION, drug effects/ PANCREATIC JUICE, secretion/ PARATHYROID HORMONE, secretion/ *PEPTIC ULCER, complications/ REVIEW/ SALIVA, secretion/ STOMACH, secretion/ THYROCALCITONIN, adverse effects/ THYROCALCITONIN, metabolism/ WATER-ELECTROLYTE BALANCE, drug effects

ey FB, Tokuda S: A comparative study of the echanisms of passive cutaneous anaphylaxis duced by mouse IgG, rabbit IgG, and rabbit F(ab')2 tibodies.
t Arch Allergy Appl Immunol 44:644-56, 1973
ANIMAL EXPERIMENTS/ CARRAGEENAN, pharmacodynamics/ *COMPLEMENT/ CORTISONE, pharmacodynamics/ *IGG/ *IMMUNOGLOBULINS, FAB/ LEUKOPENIA/ MICE/ NEUTROPHILS, immunology/ *PASSIVE CUTANEOUS ANAPHYLAXIS/ PASSIVE CUTANEOUS ANAPHYLAXIS, drug effects/ RABBITS/ SKIN, immunology/ SNAKES/ VENOMS, pharmacodynamics

ey FB, Tokuda S: A comparative study of the echanisms of passive cutaneous anaphylaxis duced by mouse IgG, rabbit IgG, and rabbit F (ab')2 tibodies. I. The role of serotonin and histamine.
t Arch Allergy Appl Immunol 44:737-44, 1973
ANIMAL EXPERIMENTS/ ANTIBODIES, isolation & purification/ BRETYLIUM COMPOUNDS, pharmacodynamics/ CAPILLARY PERMEABILITY/ DIETHYLCARBAMAZINE, pharmacodynamics/ DISODIUM CROMOGLYCATE, pharmacodynamics/ GUINEA PIGS/ *HISTAMINE, metabolism/ *IGG/ IMMUNIZATION/ *IMMUNOGLOBULINS, FAB/ MALEATES, pharmacodynamics/ MAST CELLS, immunology/ METHYLDOPA, pharmacodynamics/ MICE/ *PASSIVE CUTANEOUS ANAPHYLAXIS/ PASSIVE CUTANEOUS ANAPHYLAXIS, drug effects/ PEPSIN, pharmacodynamics/ RABBITS/ *SEROTONIN, metabolism/ SERUM ALBUMIN, BOVINE/ SKIN, blood supply

y TP, Matthews JR: Thrombocytopenic purpura in ectious mononucleosis. NZ Med J 77:318-20, May 73
ADULT/ FEMALE/ HEMORRHAGE, drug therapy/ HEMORRHAGE, etiology/ HUMAN/ INFECTIOUS MONONUCLEOSIS, complications/ MALE/ PREDNISONE, therapeutic use/ PURPURA, THROMBOPENIC, drug therapy/ *PURPURA, THROMBOPENIC, etiology

ary WF, May J: Zum Mechanismus der Calciumresorption bei Urämie.
Verh Dtsch Ges Inn Med 78:1450-3, 1972 (Ger)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CARRIER PROTEINS, analysis/ DUODENUM, analysis/ INTESTINAL ABSORPTION/ RATS/ *UREMIA, metabolism

590. **Caspi E, Schreyer P, Bukovsky J:** Ovarian lutein cysts in pregnancy Obstet Gynecol 42:388-98, Sep 73
ABNORMALITIES/ ADOLESCENCE/ ADULT/ BLOOD GROUP INCOMPATIBILITY/ CESAREAN SECTION/ CHORIOCARCINOMA, complications/ FEMALE/ GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ HYDATIDIFORM MOLE, complications/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ LH, secretion/ MALE/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY IN DIABETES/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS/ RH FACTORS/ *THECA CELL TUMOR, complications/ THECA CELL TUMOR, diagnosis/ THECA CELL TUMOR, pathology

591. **Caspi E, Schreyer P, Tamir I:** Amniotic-fluid lecithin-sphingomyelin ratios and dexamethasone.
Lancet 2:575, 8 Sep 73
*AMNIOTIC FLUID, analysis/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, pharmacodynamics/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LECITHINS, analysis/ LUNG, drug effects/ MALE/ PREGNANCY/ PRENATAL CARE/ PRENATAL DIAGNOSIS/ RESPIRATORY DISTRESS SYNDROME, drug therapy/ *RESPIRATORY DISTRESS SYNDROME, prevention & control/ *SPHINGOMYELINS, analysis

592. **Cass A, Dalmark M:** Equilibrium dialysis of ions in nystatin-treated red cells.
Nature [New Biol] 244:47-9, 11 Jul 73
BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CELL MEMBRANE PERMEABILITY, drug effects/ CHLORIDES, metabolism/ CYANIDES, metabolism/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, metabolism/ HUMAN/ IN VITRO/ LITHIUM, metabolism/ *NYSTATIN, pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ RADIOISOTOPES/ SODIUM, metabolism/ SODIUM ISOTOPES/ SUCROSE, metabolism/ SULFUR ISOTOPES

593. **Castellanos R, Rege PR, Evans AT:** Pneumoscrotum: a case report and review of the literature.
J Urol 110:225-6, Aug 73
ABDOMEN, ACUTE, etiology/ DUODENAL ULCER, complications/ DUODENAL ULCER, surgery/ *EMPHYSEMA/ EMPHYSEMA, etiology/ EMPHYSEMA, radiography/ GANGRENE, etiology/ GANGRENE, surgery/ GENITAL DISEASES, MALE, etiology/ GENITAL DISEASES, MALE, radiography/ HUMAN/ MALE/ MIDDLE AGE/ PEPTIC ULCER PERFORATION, complications/ PEPTIC ULCER PERFORATION, surgery/ *SCROTUM/ TESTICULAR DISEASES, etiology/ TESTICULAR DISEASES, surgery

594. **Castells S:** New approaches to treatment of osteogenesis imperfecta.
Clin Orthop 93:239-49, Jun 73 (78 ref.)
ADOLESCENCE/ ADULT/ ANABOLIC STEROIDS, adverse effects/ *ANABOLIC STEROIDS, therapeutic use/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CALCIUM ISOTOPES, diagnostic use/ CATTLE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FLUORIDES, adverse effects/ FLUORIDES, metabolism/ *FLUORIDES, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ *MAGNESIUM OXIDE, therapeutic use/ MIDDLE AGE/ *OSTEOGENESIS IMPERFECTA, drug therapy/

PYROPHOSPHATES, metabolism/ REVIEW/ SALMON/ SEX HORMONES, therapeutic use/ SWINE/ *THYROCALCITONIN, therapeutic use

595. **Castells S, Addo N, Kwateng K:** The relationship of rapidly labeled adrenal RNA synthesis to steroidogenesis in a superfusion system: effect of ACTH. Endocrinology 93:285-91, Aug 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, secretion/ *CORTICOTROPIN, pharmacodynamics/ CULTURE MEDIA/ CYTOPLASM, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IN VITRO/ KINETICS/ MALE/ PERFUSION/ RATS/ *RNA, biosynthesis/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

596. **Castiello RJ:** The Stevens-Johnson syndrome. Am Fam Physician 8:113, Sep 73
DERMATITIS, CONTACT, diagnosis/ DERMATITIS HERPETIFORMIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ PEMPHIGUS, diagnosis/ STEROIDS, therapeutic use/ *STEVENS-JOHNSON SYNDROME/ STEVENS-JOHNSON SYNDROME, chemically induced/ STEVENS-JOHNSON SYNDROME, diagnosis/ STEVENS-JOHNSON SYNDROME, drug therapy/ STEVENS-JOHNSON SYNDROME, etiology/ STEVENS-JOHNSON SYNDROME, mortality/ WATER-ELECTROLYTE BALANCE

597. **Castle CH:** Iatrogenic renal hypertension: two unusual complications of surgery for familial pheochromocytoma. JAMA 225:1085-8, 27 Aug 73
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, etiology/ IATROGENIC DISEASE/ ISCHEMIA/ *KIDNEY, blood supply/ KIDNEY DISEASES/ KIDNEY NEOPLASMS, familial & genetic/ MALE/ MIDDLE AGE/ PARAGANGLIOMA, pathology/ PEDIGREE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, surgery/ *POSTOPERATIVE COMPLICATIONS/ RENAL ARTERY, abnormalities/ RETROPERITONEAL FIBROSIS, etiology

598. **Castrén O, Airaksinen M, Saarikoski S:** Decrease of litter size and fetal monoamines by 6-hydroxydopamine in mice.
Experientia 29:576-8, 15 May 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ FALLOPIAN TUBES, drug effects/ FEMALE/ FETUS, analysis/ *FETUS, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ IRIS, drug effects/ KIDNEY, analysis/ *MATERNAL-FETAL EXCHANGE/ MICE/ MICROSCOPY, FLUORESCENCE/ MYOCARDIUM, analysis/ *NOREPINEPHRINE, analysis/ OVARY, drug effects/ PREGNANCY/ REPRODUCTION, drug effects/ *SEROTONIN, analysis

599. **Castro A, Kutas M, Chung A, et al:** A direct progesterone radioimmunoassay.
Experientia 29:636-7, 15 May 73
FEMALE/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM

600. **Castro JE, Zanelli JM:** Human parathyroid adenomata maintained in immunosuppressed mice.
Nature [New Biol] 245:51, 12 Sep 73
*ADENOMA/ ADENOMA, immunology/ ADENOMA, pathology/ ANIMAL EXPERIMENTS/ HUMAN/ IMMUNE TOLERANCE/ IMMUNITY, CELLULAR, radiation effects/ *IMMUNOSUPPRESSION/ MICE/ MICE, INBRED CBA/ *NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ *PARATHYROID NEOPLASMS/ PARATHYROID NEOPLASMS, immunology/ PARATHYROID NEOPLASMS, pathology/ RADIATION CHIMERA/ RADIATION EFFECTS/ THYMECTOMY/ *TRANSPLANTATION, HETEROLOGOUS

601. **Castronovo FP Jr, Wagner HN Jr:** Comparative toxici and pharmacodynamics of ionic indium chloride a hydrated indium oxide. J Nucl Med 14:677-82, Sep
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLADDER, metabolism BONE AND BONES, metabolism/ BONE MARROW, metabolism/ COLLOIDS/ COMPARATIVE STUDY/ INDIUM, metabolism *INDIUM, toxicity/ IONS/ KIDNEY, metabolism/ LETHAL DOSE 50/ LIVER, metabolism/ LYMPH NODES, metabolism/ MALE/ MICE/ RADIOISOTOPES, metabolism SPLEEN, metabolism

602. **Catt KJ, Dufau ML:** Spare gonadotrophin receptors rat testis. Nature [New Biol] 244:219-21, 15 Aug
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BINDING SITES/ *GONADOTROPINS, CHORIONIC, metabolism IN VITRO/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ RATS/ *RECEPTORS HORMONE/ *TESTIS, metabolism/ TESTOSTERONE, analysis/ TESTOSTERONE, biosynthesis/ THEOPHYLLINE, pharmacodynamics

603. **Cattan E, Pappo E, Dervichian M, et al:** Tum carcinoïde de l'intestin grêle avec métastase hépatiques riches en thyrocalcitonine associée à adénome bénin à cellules C de la glande thyroï
Arch Fr Mal App Dig 62:141-50, Mar 73 (F
*ADENOMA/ *CARCINOID TUMOR/ ENGLIS ABSTRACT/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ *INTESTINA NEOPLASMS/ JEJUNUM/ *LIVER NEOPLASMS/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, MULTIPLE PRIMARY/ *THYROCALCITONIN, secretion *THYROID NEOPLASMS

604. **Caubria F, Cerf M:** Panniculites mèsentèriques mèsentèrites rètractiles.
Rev Prat 23:2827-8 passim, 1 Jun 73 (F
ADIPOSE TISSUE/ ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ INTESTINAL OBSTRUCTION, etiology/ INTESTINES, bloo supply/ MESENTERY/ NECROSIS/ PANNICULITIS, NODULAR NONSUPPURATIVE, etiology/ PERITONEAL DISEASES/ PERITONEAL DISEASES, complications/ PERITONEAL DISEASES, dr therapy/ PERITONEAL DISEASES, surgery/ SPECIAL LIST FOREIGN/ VASCULAR DISEASES, etiology

605. **Cavlieri RR, Sung LC, Becker CE:** Effects phenobarbital on thyroxine and triiodothyro kinetics in Graves' disease.
J Clin Endocrinol Metab 37:308-16, Aug 73
FECES, metabolism/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, urine/ HUMAN/ IODINE ISOTOPES/ KINETICS/ LIVER, metabolism MALE/ *PHENOBARBITAL, pharmacodynamics/ RADIOIMMUNOASSAY/ THYROXINE, blood/ *THYROXINE, metabolism/ THYROXINE, urine/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, urine

606. **Cawson RA, James J:** Adrenal crisis in a dental pat having systemic corticosteroids.
Br J Oral Surg 10:305-9, Mar 73
*ADRENAL GLANDS, drug effects/ BLOOD PRESSURE, drug effects/ CYANOSIS, chemically induced/ DRUG INTERACTIONS HUMAN/ HYDROCORTISONE, therapeutic MALE/ METHOHEXITAL, adverse effects/ MIDDLE AGE/ *PREDNISOLONE, adverse

effects/ PULSE, drug effects/ SHOCK/ *TOOTH EXTRACTION, adverse effects

Cazala P, Cazals Y, Cardo B: Hétérogénéité dorso-ventrale hypothalamique et comportement d'autostimulation chez la souris.
C R Acad Sci [D] (Paris) 276:2573-6, 2 May 73 **(Fre)**
BEHAVIOR, ANIMAL/ CONVULSIONS/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ *SELF STIMULATION

Cehovic G, Posternak T, Charollais E: A study of the biolcical activity and resistance to phosphodiesterase of some derivatives and analogues of cyclic AMP.
Adv Cyclic Nucleotide Res 1:521-40, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, chem synthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALKYLATION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BRAIN, enzymology/ FEMALE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ KINETICS/ MALE/ *PHOSPHODIESTERASES, metabolism/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ RATS/ SEX FACTORS/ SOMATOTROPIN, secretion/ STRUCTURE-ACTIVITY RELATIONSHIP/ THEOPHYLLINE, pharmacodynamics/ THYROTROPIN, metabolism/ THYROTROPIN, secretion/ TIME FACTORS

Celińska W, Uszycka-Karcz M, Krejczy H: Przypadek złośliwego grasiczaka o nietypowym obrazie klinicznym.
Pol Tyg Lek 28:1077-8, 9 Jul 73 **(Pol)**
ADOLESCENCE/ AUTOPSY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUNG ABSCESS, diagnosis/ SEPTICEMIA, diagnosis/ THROMBOPHLEBITIS, diagnosis/ *THYMOMA, diagnosis/ THYMOMA, pathology/ *THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, pathology

Benedella RJ, Crouthamel WG: Effect of aspirin upon male mouse fertility.
Prostaglandins 4:285-90, Aug 73
ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ MALE/ MICE/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, physiology

Cerini ME, Chamley WA, Findlay JK, et al: Luteolysis in sheep with ovarian autotransplants following concurrent infusions of luteinizing hormone and prostaglandin F2 into the ovarian artery.
Prostaglandins 3:399-404, Apr 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CAROTID ARTERIES/ *CORPUS LUTEUM, drug effects/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ LH, administration & dosage/ LH, blood/ *LH, pharmacodynamics/ OVARY, transplantation/ PROGESTERONE, blood/ PROGESTERONE, secretion/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ SHEEP/ TRANSPLANTATION, AUTOLOGOUS

Černelč M, Černelč P, Vozelj M, et al: Isolation and immunological examination of the so-called thyralbumin(TA).
Allerg Immunol (Leipz) 18:177-82, 1972
*ALBUMINS, isolation & purification/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IODOPROTEINS, isolation & purification/ RABBITS, immunology/ *THYROID GLAND, analysis/ THYROID HORMONES

Cerón Esquivel A, Tenorio Cancino J, Lara Sámano E, et al: Arrenoblastoma. Informe de 2 casos.
Ginecol Obstet Mex 33:313-8, Mar 73 **(Spa)**
ADULT/ *ARRHENOBLASTOMA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN CYSTS

614. **Cerri O, Valcurone G:** Mediatori delle risposte biologiche a livello cellulare. I nucleotidi ciclici.
Boll Chim Farm 112:69-82, Feb 73 **(Ita)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BIOPHARMACEUTICS/ CELL MEMBRANE PERMEABILITY/ CHEMISTRY, PHARMACEUTICAL/ ENZYMES, metabolism/ HORMONES, metabolism/ HUMAN/ LIPIDS, metabolism/ METABOLISM, drug effects/ NERVOUS SYSTEM, drug effects

615. **Chadduck WM:** Unusual lesions involving the sella turcica.
South Med J 66:948-55, Aug 73
ADENOMA, CHROMOPHOBE, diagnosis/ ADULT/ AGE FACTORS/ ANEMIA, SICKLE CELL, diagnosis/ BIOPSY/ *BRAIN DISEASES/ BRAIN DISEASES, diagnosis/ BRAIN DISEASES, pathology/ BRAIN NEOPLASMS, diagnosis/ CHILD/ CHORDOMA, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ CYSTS, diagnosis/ FEMALE/ HUMAN/ HYDROCEPHALUS, diagnosis/ MALE/ MENINGIOMA, diagnosis/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEURILEMMOMA, diagnosis/ PITUITARY DISEASES, complications/ PITUITARY NEOPLASMS/ PSEUDOTUMOR CEREBRI, diagnosis/ *SELLA TURCICA/ SKULL, radiography

616. **Chadduck WM, Nugent GR:** Trans-sphenoidal surgery for pituitary lesions.
W Va Med J 69:197-9, Aug 73
ADENOMA, surgery/ ADENOMA, BASOPHILIC, surgery/ ADENOMA, CHROMOPHOBE, surgery/ ADULT/ CYSTS, surgery/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY DISEASES, surgery/ *PITUITARY NEOPLASMS, surgery/ SPHENOID BONE, surgery

617. **Challis JR, Davies J, Ryan KJ:** The concentrations of progesterone, estrone and estradiol-17 beta in the plasma of pregnant rabbits.
Endocrinology 93:971-6, Oct 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ PREGNANCY/ *PROGESTERONE, blood/ RABBITS/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

618. **Chalmers TM, Hunter JO, Davie MW, et al:** 1-Alpha-hydroxycholecalciferol as a substitute for the kidney hormone 1,25-dihydroxycholecalciferol in chronic renal failure.
Lancet 2:696-9, 29 Sep 73
ADULT/ ALKALINE PHOSPHATASE, metabolism/ CALCIUM, metabolism/ CHEMISTRY/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ ERGOCALCIFEROL, metabolism/ *ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ HYDROXYLATION/ KIDNEY, metabolism/ *KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ MIDDLE AGE/ PHOSPHORUS, metabolism/ RENAL OSTEODYSTROPHY, drug therapy

619. **Chamley WA, Buckmaster JM, Cerini ME, et al:** Changes in the levels of progesterone, corticosteroids, estrone, estradiol-17 beta, luteinizing hormone, and prolactin in the peripheral plasma of the ewe during late pregnancy and at parturition.
Biol Reprod 9:30-5, Aug 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ *LH, blood/ PREGNANCY/ *PROGESTERONE, blood/ *PROLACTIN, blood/ SHEEP/ TIME FACTORS

620. **Chamley WA, Christie M:** Failure of prostaglandin F2 to affect LH secretion in the ovariectomized ewe.
Prostaglandins 3:405-12, Apr 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ CORPUS LUTEUM/ FEMALE/

INJECTIONS, INTRA-ARTERIAL/ LH, blood/ *LH, secretion/ OVARY, physiology/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ SHEEP

621. **Chan L, Means AR, O'Malley BW:** Rates of induction of specific translatable messenger RNAs for ovalbumin and avidin by steroid hormones.
Proc Natl Acad Sci USA 70:1870-4, Jun 73
ANIMAL EXPERIMENTS/ AVIDIN, biosynthesis/ CHICKENS/ *DIETHYLSTILBESTROL, pharmacodynamics/ FEMALE/ KINETICS/ LYSINE, metabolism/ *OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ *PROGESTERONE, pharmacodynamics/ *RNA, MESSENGER, biosynthesis/ RNA, MESSENGER, metabolism/ STIMULATION, CHEMICAL/ TRANSLATION, GENETIC, drug effects/ TRITIUM

622. **Chan WC, Glaunta J, Shklar G:** Experimental giant cell granulomas (tumors) in jaws of albino rats.
J Periodontol 44:511-8, Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ FEMALE/ *GIANT CELL TUMORS/ GIANT CELL TUMORS, pathology/ MALE/ *MANDIBULAR NEOPLASMS/ MANDIBULAR NEOPLASMS, pathology/ *NEOPLASMS, EXPERIMENTAL/ PARATHYROID GLANDS/ RATS/ TISSUE EXTRACTS, pharmacodynamics

623. **Chan WF, Somasundaram K, Kohnen PW:** The significance of primary malignant tumors of the small bowel in gynecologic practice: a report of two cases.
Am J Obstet Gynecol 117:286-8, 15 Sep 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HUMAN/ ILEUM/ *INTESTINAL NEOPLASMS, diagnosis/ INTESTINAL NEOPLASMS, pathology/ *INTESTINE, SMALL/ JEJUNUM/ *LEIOMYOSARCOMA, diagnosis/ LEIOMYOSARCOMA, pathology/ *LYMPHOSARCOMA, diagnosis/ LYMPHOSARCOMA, pathology/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis

624. **Chan WS, Daniels VG, Thomas AL:** Premature cessation of macromolecule uptake by the young rat intestine following thyroxine administration.
J Physiol (Lond) 231:112P-113P, Jun 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *INTESTINAL ABSORPTION, drug effects/ INTESTINE, SMALL, anatomy & histology/ IODINE ISOTOPES/ *MACROMOLECULAR SYSTEMS/ POLYVINYLPYRROLIDONE, metabolism/ RATS/ *THYROXINE, pharmacodynamics

625. **Chandola A, Thapliyal JP:** Effect of growth hormone and prolactin on the body weight and thyroid activity of Spotted Munia.
Ann Endocrinol (Paris) 33:583-91, Nov-Dec 72
ANIMAL EXPERIMENTS/ *BIRDS, physiology/ *BODY WEIGHT, drug effects/ FEMALE/ IODINE, metabolism/ IODINE ISOTOPES/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ *PROLACTIN, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics/ SPLEEN, drug effects/ THYROID GLAND, drug effects/ THYROID GLAND, physiology/ THYROIDECTOMY

626. **Chang KJ, Triggle DJ:** Quantitative aspects of drug-receptor interactions. II. The role of Ca2+men in desensitization and spasmolytic activity.
J Theor Biol 40:155-72, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, metabolism/ CELL MEMBRANE/ DIOXOLES, pharmacodynamics/ DRUG TOLERANCE/ GUINEA PIGS/ IN VITRO/ MODELS, BIOLOGICAL/ MOLECULAR CONFORMATION/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ PAPAVERINE, pharmacodynamics/ *RECEPTORS, DRUG/ TIME FACTORS

627. **Chang KJ, Triggle DJ:** Quantitative aspects of drug-receptor interactions. I. Ca2+ and choline receptor activation in smooth muscle: a basic mo for drug-receptor interactions.
J Theor Biol 40:125-54, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, metabolism/ DIOXOLES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUINEA PIGS/ ILEUM/ IN VITRO/ LANTHANUM/ MODELS, BIOLOGICAL/ MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH metabolism/ RECEPTORS, CHOLINERGIC/ *RECEPTORS, DRUG/ TIME FACTORS

628. **Chanin A:** Corticosteroids in the treatment of sunb
JAMA 225:1387, 10 Sep 73
*ANTIHISTAMINICS, therapeutic use/ CHLORCYCLIZINE, administration & dosag CHLORCYCLIZINE, therapeutic use/ HUMA *HYDROCORTISONE, TOPICAL, therapeuti use/ OINTMENTS/ *PIPERAZINES, therapeutic use/ *SUNBURN, drug therapy

629. **Charbonnel B, Andrieu JM:** Signification physiolog des prostaglandines.
Ann Med Interne (Paris) 124:341-6, Apr 73 (
ADENOSINE CYCLIC 3',5' MONOPHOSPHA metabolism/ BLOOD VESSELS, drug effect CORPUS LUTEUM, drug effects/ GENITAL FEMALE, drug effects/ HEART, drug effe LH, metabolism/ MUSCLES, drug effects/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology

630. **Chase TN, Murphy DL:** Serotonin and central ner system function.
Annu Rev Pharmacol 13:181-97, 1973 (32 r
AFFECTIVE DISTURBANCES, physiopathol AGGRESSION/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ CA CATTLE/ *CENTRAL NERVOUS SYSTEM, physiology/ CONVULSIONS/ DOGS/ ELEC STIMULATION/ ENDOCRINE GLANDS, physiopathology/ EXTRAPYRAMIDAL TRA physiology/ HISTOCYTOCHEMISTRY/ HUM MICE/ MONKEYS/ MONOAMINE OXIDASI INHIBITORS, pharmacodynamics/ NEURON physiology/ PAIN/ RABBITS/ RATS/ RESERPINE, pharmacodynamics/ REVIEW/ SEROTONIN, administration & dosage/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ SEX BEHAVIOR/ SLEEP

631. **Chatterjee A:** Possible mode of action of prostaglandins. V. Differential effects of prostaglandin F2 before and after the establish of placental physiology in pregnant rats.
Prostaglandins 3:189-99, Feb 73
ANIMAL EXPERIMENTS/ CORPUS LUTE anatomy & histology/ CORPUS LUTEUM, effects/ EMBRYO, anatomy & histology/ *EMBRYO, drug effects/ FEMALE/ *FET DISEASES, chemically induced/ GESTATIONAL AGE/ HYDROXYPROGESTERONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ ORGAN WEIGHT/ OV anatomy & histology/ OVARY, drug effec PLACENTA, anatomy & histology/ *PLACENTA, drug effects/ PLACENTA, physiology/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLAND antagonists & inhibitors/ *PROSTAGLAN pharmacodynamics/ RATS/ TIME FACTO UTERUS, drug effects

632. **Chatterjee S, Dey DK, Deb C:** Studies on protei nucleic acid contents of toad testes follo administration of sodium malonate.
Endocrinol Jap 20:207-9, Apr 73
ANIMAL EXPERIMENTS/ *BUFO, metab *DNA, metabolism/ MALE/ *MALONATES pharmacodynamics/ *PROTEINS, metaboli *RNA, metabolism/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TES metabolism

633. **Chaudhuri G:** Release of prostaglandins by the I.

Prostaglandins 3:773-84, Jun 73
ANIMAL EXPERIMENTS
CHROMATOGRAPHY, THIN LAYER/
FEMALE/ FOREIGN BODY REACTION/
INDOMETHACIN, pharmacodynamics/
*INTRAUTERINE DEVICES/ NIDATION, drug effects/ PERFUSION/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, metabolism/
RATS/ UTERUS, analysis

Chaussain JL, Garnier PE, Milhaud G, et al: Etude de l'effet des hormones de libération de la TSH (TRH) et de la LH (LH-RH) dans les hypopituitarismes.
Ann Med Interne (Paris) 123:1041-6, Dec 72 **(Fre)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FSH, blood/ HUMAN/ HYPOGONADISM, physiopathology/ HYPOPITUITARISM, etiology/ *HYPOPITUITARISM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ MALE/ PITUITARY GLAND FUNCTION TESTS/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PITUITARY NEOPLASMS, complications/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use

Chaussain JL, Job JC: Intérêt pratique du dosage radio-immunologique de l'hormone thyréotrope hypophysaire.
Ann Endocrinol (Paris) 33:557-70, Nov-Dec 72 **(Fre)**
ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOPITUITARISM, blood/ HYPOTHYROIDISM, blood/ INFANT/ INFANT, NEWBORN/ MALE/ *PITUITARY DISEASES, blood/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY/ THYROID DISEASES, blood/ *THYROTROPIN, blood/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

Chauvel Y, Ollivier Y, Jouan P, et al: Méthode simple d'extraction et d'isolement de la 5-hydroxytryptamine (sérotonine) des plaquettes du sang.
Ann Biol Clin (Paris) 31:231-6, 1973 **(Fre)**
ACETONE/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, analysis/ ENGLISH ABSTRACT/ FLUORESCENCE SPECTROMETRY/ GEL FILTRATION/ HUMAN/ MALE/ METHODS/ RATS/ *SEROTONIN, blood/ *SEROTONIN, isolation & purification

Chayoth R, Epstein SM, Field JB: Glucagon and prostaglandin E1 stimulation of cyclic adenosine 3', 5'-monophosphate levels and adenylate cyclase activity in benign hyperplastic nodules and malignant hepatomas of ethionine-treated rats.
Cancer Res 33:1970-4, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ETHIONINE/ *GLUCAGON, pharmacodynamics/ HEPATOMA, chemically induced/ *HEPATOMA, metabolism/ HYPERPLASIA, chemically induced/ HYPERPLASIA, metabolism/ LIVER, enzymology/ *LIVER, metabolism/ LIVER NEOPLASMS, chemically induced/ *LIVER NEOPLASMS, metabolism/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, metabolism/ PHOSPHODIESTERASES, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

Cheah JS, Loh FK: An unusual cause of hypothyroidism following excision of lingual thyroid) in a Chinese boy. Med J Malaysia 27:217-9, Mar 73
ABNORMALITIES, surgery/ ADOLESCENCE/ HUMAN/ *HYPOTHYROIDISM, etiology/ MALE/ *POSTOPERATIVE COMPLICATIONS/ *THYROID GLAND, abnormalities/ *TONGUE, surgery

639. **Cheah JS, Tay CK:** A case of true hermaphroditism with impaired growth and normal growth hormone levels in a Chinese. Med J Aust 2:28-31, 7 Jul 73
ADOLESCENCE/ CASTRATION/ FEMALE/ GROWTH DISORDERS, blood/ *GROWTH DISORDERS, complications/ GROWTH DISORDERS, etiology/ GYNECOMASTIA, complications/ HERMAPHRODITISM, blood/ *HERMAPHRODITISM, complications/ HERMAPHRODITISM, surgery/ HERMAPHRODITISM, urine/ HUMAN/ HYPOSPADIAS, complications/ HYSTERECTOMY/ 17-KETOSTEROIDS, urine/ *SOMATOTROPIN, blood

640. **Cheah SF, Khairuddin Y:** Prostaglandin F 2 for induction of labour. Med J Malaysia 27:211-6, Mar 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ UTERUS, drug effects

641. **Chebat J, Gluckman JC, Legrain M, et al:** Les complications pulmonaires infectieuses observées aprés transplantation rénale (analyse de 104 dossiers.
Ann Med Interne (Paris) 124:99-105, Feb 73 **(Fre)**
AZATHIOPRINE, therapeutic use/ BACTERIAL INFECTIONS, etiology/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *KIDNEY, transplantation/ *LUNG DISEASES, etiology/ MYCOSES, etiology/ PREDNISONE, therapeutic use/ RESPIRATORY TRACT INFECTIONS, etiology/ *TRANSPLANTATION, HOMOLOGOUS/ TUBERCULOSIS, PULMONARY/ VIRUS DISEASES, etiology

642. **Chedid L:** Possible role of endotoxemia during immunologic imbalance.
J Infect Dis 128:Suppl:112-7, Jul 73
*ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, immunology/ ANTIGENS, BACTERIAL/ CORTISONE, pharmacodynamics/ *ENDOTOXINS/ FEMALE/ *GRAFT VS HOST REACTION/ IMMUNOLOGIC TECHNICS/ *IMMUNOSUPPRESSION/ MALE/ MICE/ MICE, drug effects/ MICE, immunology/ MICE, radiation effects/ *MYCOBACTERIUM/ MYCOBACTERIUM BOVIS/ NEWCASTLE DISEASE VIRUS/ PARABIOSIS/ PREGNANCY/ RADIATION EFFECTS/ THYMECTOMY/ TRANSPLANTATION IMMUNOLOGY

643. **Chen PC:** China's population program at the grass-roots level. Stud Fam Plann 4:219-27, Aug 73
ABORTION, INDUCED/ ADOLESCENCE/ ALLIED HEALTH PERSONNEL, education/ BIRTH RATE/ CHILD/ CHINA/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ METHODS/ MORTALITY/ POPULATION/ PREGNANCY/ RURAL HEALTH/ STERILIZATION, TUBAL/ STEROIDS/ URBAN POPULATION/ VASECTOMY

644. **Chen TC, Deluca HF:** Stimulation of (3H)uridine incorporation into nuclear RNA of rat kidney by vitamin D metabolites.
Arch Biochem Biophys 156:321-7, May 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, PAPER/ DACTINOMYCIN, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ RATS/ RNA, analysis/ *RNA, biosynthesis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/

TIME FACTORS/ TRITIUM/ *URIDINE, metabolism/ VITAMIN D DEFICIENCY

645. **Chen TT, Mealey J Jr:** Effect of corticosteroid on protein and nucleic acid synthesis in human glial tumor cells. Cancer Res 33:1721-3, Jul 73
*BRAIN NEOPLASMS, metabolism/ CELL LINE/ *DNA, NEOPLASM, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLIOMA, metabolism/ HUMAN/ IN VITRO/ LEUCINE, metabolism/ *METHYLPREDNISOLONE, pharmacodynamics/ MITOSIS, drug effects/ *NEOPLASM PROTEINS, biosynthesis/ *NERVE TISSUE PROTEINS, biosynthesis/ *RNA, NEOPLASM, biosynthesis/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

646. **Cheng HC, Long JP, Barfknecht CF, et al:** Cardiovascular effects of 2, 5-dimethoxy-4-methylamphetamine (DOM, STP).
J Pharmacol Exp Ther 186:345-54, Aug 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ GUANETHIDINE, pharmacodynamics/ GUINEA PIGS/ *HALLUCINOGENS, pharmacodynamics/ HEART, drug effects/ HEART ATRIUM, drug effects/ IN VITRO/ METHYSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics/ VAGUS NERVE, drug effects/ VAGUS NERVE, physiology

647. **Cheremisinov GA, Nezhdanov AG:** Gonadotropnaia effektivnost' gravogormona.
Veterinariia 4:88-91, Apr 72 **(Rus)**
ANIMAL EXPERIMENTS/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GONADOTROPINS, administration & dosage/ *GONADS, drug effects

648. **Cherniavskaia MA, Segal' GM, Torgov IV:** Osobennosti vzaimodeistviia 17 beta-oksisteroidnoi degidrogenazy iz platsenty cheloveka s nekotorymi steroidnymi soedineniiami.
Izv Akad Nauk SSSR [Biol] 4:588-96, Jul-Aug 72 **(Rus)**
CHEMISTRY, ORGANIC/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ ENZYME TESTS/ *ESTRANES, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, pharmacodynamics/ *PLACENTA, enzymology/ PREGNANCY

649. **Chernin VV:** Rol' glukokortikoidnoi funktsii kory nadpochechnikov pri retsidive iazvennoi bolezni.
Vrach Delo 2:12-6, Feb 73 **(Rus)**
*ADRENAL GLANDS, physiopathology/ ADULT/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS/ HUMAN/ MIDDLE AGE/ PEPTIC ULCER, complications/ *PEPTIC ULCER, physiopathology/ RABBITS/ RECURRENCE

650. **Chernyshov VG:** Vyvedenie 17-oksikortikosteroidov i 17-ketosteroidob s mochoi u bol'nykh s ostrymi i khronicheskimi zabolevaniiami pecheni pri nagruzke kortizonom.
Probl Endokrinol (Mosk) 19:22-5, May-Jun 73 **(Rus)**
ACUTE DISEASE/ ADULT/ *CORTISONE, pharmacodynamics/ FEMALE/ HEPATITIS, urine/ HEPATITIS, INFECTIOUS, urine/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ LIVER CIRRHOSIS, urine/ *LIVER DISEASES, urine/ MALE/ MIDDLE AGE/ TIME FACTORS

651. **Chevalier M:** Le rôle des microfilaments cytoplasmiques dans le déplacement et la transformation des cellules de Leydig en culture histiotypique.
C R Acad Sci [D] (Paris) 276:3327-30, 18 Jun 73
ANIMAL EXPERIMENTS/ *CELL MOVEM CELLS, CULTURED/ CYTOCHALASIN B, pharmacodynamics/ *CYTOPLASM/ *INDOI pharmacodynamics/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, physiology/ MA MICROSCOPY, ELECTRON/ MONILIALES SWINE

652. **Chiang TS, Thomas RP:** Effects of progesterone o ocular hypertensive response to prostaglan
Eur J Pharmacol 22:304-10, Jun 73
ANIMAL EXPERIMENTS/ AQUEOUS HUM analysis/ BLOOD PRESSURE, drug effects EPINEPHRINE, pharmacodynamics/ EYE PROTEINS, analysis/ *INTRAOCULAR PRESSURE, drug effects/ *PROGESTERO pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLAND pharmacodynamics/ RABBITS/ STATISTIC TIME FACTORS

653. **Chick WL:** Beta cell replication in rat panc monolayer cultures. Effects of glucose, tolbuta glucocorticoid, growth hormone and glucag
Diabetes 22:687-93, Sep 73
ALDEHYDES/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CATTLE/ CELLS, CULTURED/ CULTURE MEDIA/ *DEXAMETHASONE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ *GLUCC pharmacodynamics/ INSULIN, secretion/ ISLANDS OF LANGERHANS, cytology/ *ISLANDS OF LANGERHANS, drug effec RATS/ *SOMATOTROPIN, pharmacodynam STAINS AND STAINING/ THYMIDINE/ *TOLBUTAMIDE, pharmacodynamics/ TRI

654. **Chilingarov AO, Ibragimov II:** Issledvanie v aminokislot na raspredelenie ikh ifiziologi aktevnykh aminov v golovnom mozgu i krovi
Ukr Biokhim Zh 44:699-706, 1972
*AMINES, analysis/ AMINES, blood/ *AM ACIDS, metabolism/ ANIMAL EXPERIME *BRAIN CHEMISTRY/ ENGLISH ABSTRA GLUTAMATES, pharmacodynamics/ METHIONINE, pharmacodynamics/ RATS/ SEROTONIN, analysis/ TRYPTOPHAN, pharmacodynamics/ TYROSINE, pharmacodynamics

655. **Chini V:** Crisi di tachicardia ventricolare recidiv soggetto giovane con cardiomegalia, e iniziate avvelenamento con anticrittogamici. Note acromegaliche. Miopatia cronica di imprec natura. Minerva Med 64:1965-85, 25 May 73
ACROMEGALY, diagnosis/ *ACROMEGAL etiology/ ACROMEGALY, radiography/ ADOLESCENCE/ CASE REPORT/ CHRON DISEASE/ ELECTROCARDIOGRAPHY/ H ENLARGEMENT, diagnosis/ *HEART ENLARGEMENT, etiology/ HEART ENLARGEMENT, radiography/ *HERBICI poisoning/ HUMAN/ MALE/ MUSCULAR DISEASES, diagnosis/ *MUSCULAR DISE etiology/ MUSCULAR DISEASES, radiogr *POISONING, complications/ RECURREN *TACHYCARDIA, chemically induced/ TACHYCARDIA, diagnosis

656. **Chinn LJ, Hofmann LM:** 3-(16Beta,17beta-dihydroxy-3-oxoandrost-4-en-1 yl) propionic acid gamma-lactone, its preparati antimineralocorticoid activity.
J Med Chem 16:839-43, Jul 73
ADRENALECTOMY/ ALDOSTERONE, antagonists & inhibitors/ *ANDROSTANE chem synthesis/ ANDROSTENES, chem synthesis/ ANDROSTENES, pharmacodyn ANIMAL EXPERIMENTS/ COMPARATIV STUDY/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ DIURESIS, dru effects/ KETOSTEROIDS, chem synthesis KETOSTEROIDS, pharmacodynamics/ LACTONES, chem synthesis/ LACTONES pharmacodynamics/ MALE/ *MINERALOCORTICOIDS, antagonists & inhibitors/ NUCLEAR MAGNETIC RESONANCE/ POTASSIUM, urine/ RAT

SODIUM, urine/ SPIRONOLACTONE, pharmacodynamics

rboli E, Pardi W: Application of an aqueous mmermann reagent for the determination of nary 17-ketosteroids.
v Bras Pesqui Med Biol 6:27-30, Jan-Apr 73
ADULT/ ALCOHOL, ETHYL/ ALCOHOL, METHYL/ *AMMONIUM COMPOUNDS/ ANDROSTERONE/ BENZYL COMPOUNDS/ DEHYDROEPIANDROSTERONE/ HUMAN/ HYDROXIDES/ *INDICATORS AND REAGENTS/ *17-KETOSTEROIDS, urine/ NITROBENZENES/ PHENOLS/ POTASSIUM

ssone E, Quiroga ME: Carotidynia.
Laryngol Otol 58:885-90, Sep 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CAROTID ARTERY DISEASES, diagnosis/ CAROTID ARTERY DISEASES, drug therapy/ CAROTID ARTERY DISEASES, etiology/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFLUENZA, complications/ MALE/ MIDDLE AGE

ova LV, Ryzhkova LA, Sheliapina VV, et al: mozhnosti gliukokortikosteroidnoi terapii pri roze pecheni u detei.
latrila 51:50-3, Oct 72 (Rus)
CHILD, CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ *LIVER CIRRHOSIS, drug therapy/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use

I K: O metabolizmu kolagena u osteoporozi eka. Reumatizam 20:95-8, 1973 (Cro)
COLLAGEN, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, urine

T: Altersuntershied der blutkapillaren othelkerngröbbe in der menschlichen ldrüse.
ago Acta Med 16:121-34, Dec 72 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CAPILLARIES, cytology/ *CELL NUCLEUS/ ENGLISH ABSTRACT/ EPITHELIUM, cytology/ HUMAN/ INFANT/ KARYOMETRY/ *THYROID GLAND, blood pply

iczewski K: Late pathomorphological changes in estes of mice irradiated with gamma radiation (Co) on the first day of life.
Biol (Krakow) 20:101-10, 1972
GE FACTORS/ ANIMAL EXPERIMENTS/ NIMALS, NEWBORN/ COBALT ISOTOPES/ YDIG CELLS, radiation effects/ MALE/ CE/ MICE, INBRED A/ RADIATION OSAGE/ *RADIATION EFFECTS/ ERMATOGENESIS, radiation effects/ STIS, pathology/ *TESTIS, radiation effects/ ME FACTORS

czewski K, Gajewski AK: Late omorphological lesions in the ovaries of mice ated with gamma radiation (60 Co) on the first of life. Folia Biol (Krakow) 20:93-100, 1972
E FACTORS/ ANIMAL EXPERIMENTS/ IMALS, NEWBORN/ CELL ANSFORMATION, NEOPLASTIC, pathology/ BALT ISOTOPES/ FEMALE/ MICE/ MICE, BRED A/ OVARY, pathology/ *OVARY, iation effects/ OVULATION, radiation ects/ RADIATION DOSAGE/ *RADIATION FECTS/ TIME FACTORS

IJ, Tulchinsky D, Greenway FL: gen-androgen imbalance in hepatic cirrhosis. es in 13 male patients.
Intern Med 79:198-203, Aug 73
ULT/ ALCOHOLISM, complications/ KALINE PHOSPHATASE, blood/ PARTATE AMINOTRANSFERASE, blood/ ROPHY, etiology/ BILIRUBIN, blood/ OOD PROTEINS, analysis/ *ESTRADIOL, od/ FEMALE/ FSH, blood/ ONADOTROPINS, blood/ GYNECOMASTIA, etiology/ HEPATOMEGALY, diagnosis/ HUMAN/ LH, blood/ *LIVER CIRRHOSIS, blood/ LIVER CIRRHOSIS, diagnosis/ MALE/ MIDDLE AGE/ PROTHROMBIN TIME/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ SERUM ALBUMIN, analysis/ *STANOLONE, blood/ TESTICULAR DISEASES, etiology/ *TESTOSTERONE, blood

665. **Choudhury SA, Sharpe RM, Brown PS:** Pituitary follicle-stimulating hormone activity in rats treated with apomorphine, pimozide and drugs that modify catecholamine levels.
Neuroendocrinology 12:272-83, 1973
ANIMAL EXPERIMENTS/ *APOMORPHINE, pharmacodynamics/ CARBAMATES, pharmacodynamics/ *CATECHOLAMINES, metabolism/ CLONIDINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DISULFIDES, pharmacodynamics/ DOPA, pharmacodynamics/ DOPAMINE, metabolism/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ FEMALE/ *FSH, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ OVARY, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ *PIMOZIDE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ RATS/ RECEPTORS, DRUG/ STIMULATION, CHEMICAL

666. **Chough SY:** Study on the systematic use of serial estimation of human placental lactogen (hPL) and human chorionic gonadotropin (hCG) for the management of trophoblastic neoplasia.
Endocrinol Jap 20:9-21, Feb 73
ADULT/ CHORIOADENOMA, diagnosis/ CHORIOCARCINOMA, diagnosis/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ LUNG NEOPLASMS/ NEOPLASM METASTASIS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY/ *TROPHOBLASTIC TUMOR, diagnosis

667. **Choulis NH:** Spectrophotometric and conductimetric studies of micellar solubilization. Nonionic surfactants with testosterone and amphetamine.
Pharmazie 28:376-8, Jun 73
*AMPHETAMINE/ CONDUCTOMETRY/ SOLUBILITY/ SPECTROPHOTOMETRY/ *SURFACE-ACTIVE AGENTS/ *TESTOSTERONE/ WATER

668. **Chow TT, Bennett JL, Pert C, et al:** Effect of hycanthone and of two of its structural analogs on levels and uptake of 5-hydroxytryptamine in Schistosoma mansoni.
J Pharmacol Exp Ther 186:408-15, Sep 73
ALCOHOL, METHYL/ ANIMAL EXPERIMENTS/ ANTHELMINTICS, pharmacodynamics/ ANTIMONY, pharmacodynamics/ CARBON ISOTOPES/ ETHYLENEDIAMINES, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HORSES/ MICE/ MICROSCOPY, FLUORESCENCE/ SCHISTOSOMA MANSONI, drug effects/ *SCHISTOSOMA MANSONI, metabolism/ SCHISTOSOMICIDES, pharmacodynamics/ *SEROTONIN, metabolism/ TIME FACTORS/ *XANTHENES, pharmacodynamics

669. **Chrambach A, Yadley RA, Ben-David M, et al:** Isohormones of human growth hormone. I. Characterization by electrophoresis and isoelectric focusing in polyacrylamide gel.
Endocrinology 93:848-57, Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ MOLECULAR WEIGHT/ PIGEONS/ PROLACTIN, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, isolation & purification/ THYMIDINE, metabolism/ TRITIUM

670. **Christensen BE**: The pattern of erythrocyte sequestration in immunohaemolysis. Effects of prednisone treatment and splenectomy.
Scand J Haematol 10:120-9, 1973
ADOLESCENCE/ ADULT/ AGED/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ BILIRUBIN, blood/ CELL SURVIVAL/ CHROMIUM ISOTOPES/ *ERYTHROCYTES, drug effects/ FEMALE/ HALF-LIFE/ HEMOGLOBIN/ *HEMOLYSIS, drug effects/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, blood/ LIVER, drug effects/ LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ REMISSION/ RETICULOCYTES/ SPLEEN, drug effects/ *SPLENECTOMY

671. **Christiansen J**: Gastric secretion of pepsin in patients with primary hyperparathyroidism before and after removal of parathyroid adenomas.
Scand J Gastroenterol 8:337-40, 1973
*ADENOMA, surgery/ ADULT/ CALCIUM, blood/ DEPRESSION, CHEMICAL/ FEMALE/ FLUOROSCOPY/ FOLLOW-UP STUDIES/ GASTRIC JUICE, analysis/ GASTRIC JUICE, drug effects/ *GASTRIC MUCOSA, secretion/ HISTAMINE, pharmacodynamics/ HISTAMINE, therapeutic use/ HUMAN/ *HYPERPARATHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, surgery/ *PEPSIN, secretion/ STIMULATION, CHEMICAL

672. **Christy NP**: The clinical significance of pituitary-adrenal suppression by exogenous corticosteroids. J Chronic Dis 26:261-4, May 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLAND DISEASES, chemically induced/ CORTICOTROPIN, diagnostic use/ DRUG ABUSE/ DRUG WITHDRAWAL SYMPTOMS/ HUMAN/ METYRAPONE, diagnostic use/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL SYSTEM, drug effects/ TIME FACTORS

673. **Chu LL, MacGregor RR, Anast CS, et al**: Studies on the biosynthesis of rat parathyroid hormone and proparathyroid hormone: adaptation of the parathyroid gland to dietary restriction of calcium.
Endocrinology 93:915-24, Oct 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, DIETARY/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ GEL FILTRATION/ IN VITRO/ IODINE ISOTOPES/ LEUCINE, metabolism/ LYSINE, metabolism/ MOLECULAR WEIGHT/ *PARATHYROID GLANDS, metabolism/ *PARATHYROID HORMONE, biosynthesis/ PARATHYROID HORMONE, metabolism/ PEPTIDES, metabolism/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

674. **Chudapongse P, Haugaard N**: The effect of phosphoenolpyruvate on calcium transport by mitochondria.
Biochim Biophys Acta 307:599-606, 25 May 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ GLUTAMATES, metabolism/ GLYCOSIDES, pharmacodynamics/ KINETICS/ MALATES, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ MYOCARDIUM, cytology/ MYOCARDIUM, metabolism/ PHENANTHRENES, pharmacodynamics/ PHOSPHOENOLPYRUVATE, antagonists & inhibitors/ *PHOSPHOENOLPYRUVATE, pharmacodynamics/ PYRUVATES, metabolism/ RATS/ ROTENONE, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

675. **Chuke PO, Matthew TM, Naik GG**: Tumours of central nervous system in Zambia.
Afr J Med Sci 4:107-10, Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ASTROCYTOMA, occurrence/ *BRAIN NEOPLASMS, occurrence/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, occurrence/ EPENDYMOMA, occurrence/ FEMALE/ FIBROSARCOMA, occurrence/ GLIOBLASTOMA MULTIFORME, occurrenc HUMAN/ MALE/ MEDULLOBLASTOMA, occurrence/ MENINGIOMA, occurrence/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, NERVOUS TISSUE, occurre NEUROFIBROMA, occurrence/ OLIGODENDROGLIOMA, occurrence/ PINEALOMA, occurrence/ SPINAL CORD NEOPLASMS, occurrence/ ZAMBIA

676. **Chung EB, Zbar B, Rapp HJ**: Tumor regre mediated by Mycobacterium bovis (strain I Effects of isonicotinic acid hydrazide, cort acetate, and antithymocyte serum.
J Natl Cancer Inst 51:241-50, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL/ *ANTILYMPHOCYTE SERUM therapeutic use/ *CORTISONE, therapeutic use/ HYPERSENSITIVITY, DELAYED, diagnosis/ *ISONIAZID, therapeutic use/ MALE/ METHYLCHOLANTHRENE/ MICE/ MICE, INBRED C3H/ *MYCOBACTERIUM BOVIS, immunology/ NEOPLASM TRANSPLANTATION/ REMISSION/ SARCOMA, EXPERIMENTAL, chemically induced/ *SARCOMA, EXPERIMENTAL, prevention & control/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TUBERCULIN TEST

677. **Chung KW, Allison JE, Stanley AJ, et al**: Effec adrenocorticotropic hormone and gonadotropi urinary 17-ketosteroid production in the r pseudohermaphrodite rat.
Fertil Steril 24:677-86, Sep 73
ADRENAL GLANDS, pathology/ *ADRENA GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CASTRATION/ *CORTICOTROPIN, pharmacodynamics/ *F pharmacodynamics/ HYPERTROPHY, pathology/ HYPOPHYSECTOMY/ *17-KETOSTEROIDS, urine/ KETOSTEROI urine/ *LH, pharmacodynamics/ MALE/ PSEUDOHERMAPHRODITISM, pathology/ *PSEUDOHERMAPHRODITISM, physiopathology/ RATS

678. **Chutná J**: The synergistic effect of antiger hydrocortisone on the survival time of skin allo in inbred rats. Folia Biol (Praha) 19:231-6,
ANIMAL EXPERIMENTS/ *ANTIGENS/ B MARROW CELLS, immunology/ FREEZE DRYING/ *GRAFT REJECTION/ GRAFT REJECTION, drug effects/ HISTOCOMPATIBILITY TESTING/ *HYDROCORTISONE, pharmacodynamics/ IMMUNIZATION/ RATS/ RATS, INBRED STRAINS/ *SKIN, transplantation/ SPLEE immunology/ TRANSPLANTATION, HOMOLOGOUS

679. **Chvapil M, Kronenthal L, Van Winkle W Jr**: Medic surgical applications of collagen.
Int Rev Connect Tissue Res 6:1-61, 1973 (25
ABDOMEN, surgery/ ABSORPTION/ ANI EXPERIMENTS/ BLOOD PLATELETS, metabolism/ BLOOD VESSEL PROSTHES BONE AND BONES, surgery/ *COLLAGE COLLAGEN, metabolism/ COLLAGEN, therapeutic use/ EYE, surgery/ HEART VALVE PROSTHESIS/ HEMOSTATICS/ HUMAN/ ION EXCHANGE/ OSTEOMYEL surgery/ REGENERATION/ REVIEW/ SOLUBILITY/ STERILIZATION/ SURGER PLASTIC/ TENDONS, surgery/ THORAX, surgery/ TYMPANIC MEMBRANE, surger URINARY INCONTINENCE, surgery/ WO HEALING

Chwang AK, Sundaralingam M: Molecular conformation of guanosine 3,'5-cyclic monophosphate. Nature [New Biol] 244:136-7, 1 Aug 73
*GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ X-RAY DIFFRACTION

Claranello RD, Axelrod J: Genetically controlled alterations in the rate of degradation of phenylethanolamine N-methyltransferase. J Biol Chem 248:5616-23, 25 Aug 73
*ADRENAL GLANDS, enzymology/ ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ DRUG STABILITY/ FEMALE/ GENES/ GENETICS/ HYBRIDIZATION/ KINETICS/ MALE/ *METHYLTRANSFERASES, metabolism/ MICE/ MICE, INBRED BALB C/ MUTATION/ PHENETHANOLAMINE N-METHYLTRANSFERASE, biosynthesis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, isolation & purification/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ PRECIPITIN TESTS/ PREGNANCY/ RABBITS, immunology/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

Cihak A, Lamar C Jr, Pitot HC: Studies on the mechanism of the stimulation of tyrosine aminotransferase activity in vivo by pyrimidine analogs: the role of enzyme synthesis and degradation.
Arch Biochem Biophys 156:176-87, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AZACYTIDINE, pharmacodynamics/ CARBON ISOTOPES/ CASEIN/ CORTISONE, pharmacodynamics/ *CYTIDINE, pharmacodynamics/ DRUG STABILITY/ ENZYME INDUCTION, drug effects/ FASTING/ GEL DIFFUSION TESTS/ LIVER, drug effects/ LIVER, enzymology/ MALE/ *OROTIC ACID, pharmacodynamics/ PROTEIN HYDROLYSATES, pharmacodynamics/ RABBITS, immunology/ RATS/ SERINE DEHYDRATASE, metabolism/ TIME FACTORS/ *TRIAZINES, pharmacodynamics/ TRITIUM/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, isolation & purification/ TYROSINE AMINOTRANSFERASE, metabolism

Cihak A, Lamar C Jr, Pitot HC: L-tryptophan inhibition of tyrosine aminotransferase degradation in rat liver in vivo. Arch Biochem Biophys 156:188-94, May 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTISONE, pharmacodynamics/ DRUG STABILITY/ FASTING/ HYDROXYTRYPTOPHAN, pharmacodynamics/ *LIVER, enzymology/ MALE/ PRECIPITIN TESTS/ RABBITS, immunology/ RATS/ TIME FACTORS/ TRITIUM/ *TRYPTOPHAN, pharmacodynamics/ TRYPTOPHAN OXYGENASE, metabolism/ *TYROSINE AMINOTRANSFERASE, metabolism

Ipullo JP, Andrade U, Korn D, et al: Influência do manitol e do furosemide sobre o mecânismo de liberação da renina em cães com expansão do volume de fluido extracelular.
Rev Bras Pesqui Med Biol 6:1-10, Jan-Apr 73 (Por)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD PROTEINS/ DIURESIS, drug effects/ DOGS/ ENGLISH ABSTRACT/ *EXTRACELLULAR SPACE/ *FUROSEMIDE, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, secretion/ KIDNEY FUNCTION TESTS/ *MANNITOL, pharmacodynamics/ OSMOLAR CONCENTRATION/ OSMOTIC PRESSURE/ *RENIN, blood/ SODIUM, blood

Clark AF, Bird CE: Binding of 5-androstane-3,17-diol to human plasma proteins. J Endocrinol 57:298, May 73
ADULT/ AGED/ *ANDROSTANES, blood/ BETA GLOBULIN/ *BLOOD PROTEINS/ DIALYSIS/ ELECTROPHORESIS, PAPER/ FEMALE/ GAMMA GLOBULIN/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPERTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ PREGNANCY/ *PROTEIN BINDING/ SEX FACTORS/ STANOLONE, blood/ STEROLS, metabolism/ TESTOSTERONE, blood/ TRITIUM

686. **Clark OH, Taylor S:** Persistent and recurrent hyperparathyroidism. Rev Surg 30:299-300, Jul-Aug 73
CHRONIC DISEASE/ HUMAN/ *HYPERPARATHYROIDISM/ RECURRENCE

687. **Clarke EG:** Lead poisoning in small animals. J Small Anim Pract 14:183-94, Apr 73 (75 ref.)
AMINOLEVULINIC ACID DEHYDRATASE, metabolism/ ANIMAL EXPERIMENTS/ AUTOPSY/ CALCIUM, DIETARY, therapeutic use/ CAT DISEASES/ CATS/ DOG DISEASES/ DOGS/ EDTA, therapeutic use/ FECES, metabolism/ HEME, biosynthesis/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ INTESTINAL ABSORPTION/ LEAD, metabolism/ LEAD, urine/ LEAD POISONING, blood/ LEAD POISONING, drug therapy/ LEAD POISONING, enzymology/ LEAD POISONING, etiology/ LEAD POISONING, history/ LEAD POISONING, metabolism/ LEAD POISONING, pathology/ *LEAD POISONING, veterinary/ LEVULINIC ACID, metabolism/ REVIEW/ VITAMIN D, therapeutic use

688. **Clarke PH:** Induction of bacterial enzymes. Biochem J 130:47P-48P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMIDOHYDROLASES, metabolism/ *BACTERIA, enzymology/ *ENZYME INDUCTION/ ESCHERICHIA COLI, enzymology/ GALACTOSIDASE, biosynthesis/ GENES, REGULATOR/ OPERON/ PSEUDOMONAS, enzymology

689. **Clarke RM:** Progress in measuring epithelial turnover in the villus of the small intestine. Digestion 8:161-75, 1973 (48 ref.)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIVISION/ CELL MIGRATION INHIBITION/ CHROMAFFIN SYSTEM, cytology/ CIRCADIAN RHYTHM/ DOGS/ EPITHELIAL CELLS, metabolism/ GUINEA PIGS/ HUMAN/ *INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, cytology/ INTESTINE, SMALL, metabolism/ KINETICS/ LYMPHOCYTES, metabolism/ MICE/ RATS/ REVIEW/ THYMIDINE, metabolism/ TRITIUM

690. **Clarke WC, Bern HA, Li CH, et al:** Somatotropic and sodium-retaining effects of human growth hormone and placental lactogen in lower vertebrates. Endocrinology 93:960-4, Oct 73
ANIMAL EXPERIMENTS/ BODY HEIGHT/ BODY WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FISHES/ FROGS/ *GROWTH, drug effects/ MALE/ *PLACENTAL LACTOGEN, pharmacodynamics/ PROLACTIN, pharmacodynamics/ RANA CATESBEIANA/ SHEEP/ *SODIUM, metabolism/ *SOMATOTROPIN, pharmacodynamics/ TAIL

691. **Claussen C, Oettel M, Zieger B, et al:** Der Plasmakortikoidsiegel nach Applikation von Prednisolon und Prednisolonazetat sowie das Verhalten des Eosinophilenprofils beim Hund. Arch Exp Veterinaermed 26:1041-51, Dec 72 (Ger)
*ACETATES, pharmacodynamics/ ADRENAL GLANDS, drug effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ *EOSINOPHILS, drug effects/ FEMALE/ *17-HYDROXYCORTICOSTEROIDS, blood/ MALE/ *PREDNISOLONE, pharmacodynamics

692. **Claussen C, Zieger M, Schimke E:** Die Beeinflussung

der Hodenfunktion des Ebers durch Chlormadinonazetat.
Arch Exp Veterinaermed 26:981-8, Dec 72 (Ger)
ACETATES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BREEDING/ *CHLORMADINONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, urine/ MALE/ MEAT/ ODORS/ SEX BEHAVIOR, ANIMAL/ *SWINE, physiology/ TESTIS, anatomy & histology/ *TESTIS, drug effects

693. **Clavero JA, Ortiz L, De los Heros JA, et al:** Blood flow in the intervillous space and fetal blood flow. II. Relation to placental histology and histometry in cases with and without high fetal risk.
Am J Obstet Gynecol 116:1157-62, 15 Aug 73
APGAR SCORE/ FEMALE/ *FETAL DISEASES, etiology/ *FETUS, blood supply/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PLACENTA, anatomy & histology/ *PLACENTA, blood supply/ PLACENTA DISORDERS, classification/ *PLACENTA DISORDERS, complications/ PREGNANCY/ RADIOISOTOPES/ XENON, diagnostic use

694. **Clayman S, Gadd RE, Hébert D:** The in vitro effects of several progestogens, estrogens and non-steroidal compounds with estrogenic activity on adenosine diphosphate induced guinea-pig platelet aggregation.
Experientia 29:95-6, 1 May 73
*ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HEXESTROL, pharmacodynamics/ IN VITRO/ MEDROXYPROGESTERONE, pharmacodynamics/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ *PROGESTATIONAL HORMONES, pharmacodynamics/ STIMULATION, CHEMICAL

695. **Clayton JD, Roberts JA:** Radionuclide postpartum evaluation of the urinary tract during anovular therapy. Surg Gynecol Obstet 137:215-9, Aug 73
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DEHYDRATION/ FASTING/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODOHIPPURIC ACID, diagnostic use/ KIDNEY FUNCTION TESTS/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ PREGNANCY TOXEMIAS, complications/ PUERPERAL INFECTION, physiopathology/ *PUERPERIUM/ TIME FACTORS/ URETER, physiopathology/ *URINARY TRACT, physiology/ URINARY TRACT, physiopathology/ URINARY TRACT INFECTIONS, complications/ URINARY TRACT INFECTIONS, physiopathology/ UROGRAPHY

696. **Clemente CD, Chase MH:** Neurological substrates of aggressive behavior.
Annu Rev Physiol 35:329-56, 1973 (200 ref.)
ACETYLCHOLINE, pharmacodynamics/ *AGGRESSION/ AGGRESSION, drug effects/ AMYGDALOID BODY, physiology/ ANGER/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CATS/ CONDITIONING, CLASSICAL/ EATING/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ ESCAPE REACTION/ HUMAN/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ MOTOR ACTIVITY/ RETICULAR FORMATION, physiology/ REVIEW/ SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNICS

697. **Clemetson CA, Kim JK, De Jesus TP, et al:** Human uterine fluid potassium and the menstrual cycle.
J Obstet Gynaecol Br Commonw 80:553-61, Jun 73
ADULT/ *BODY FLUIDS, analysis/ BODY FLUIDS, metabolism/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ *MENSTRUATION/ NIDATION/ OSMOLAR CONCENTRATION/ *POTASSIUM, analysis/ POTASSIUM, metabolism/ SODIUM, analysis/ SODIUM, metabolism/ *UTERUS/ UTERUS, metabolism/ WATER, metabolism

698. **Cloeren SE, Lippert TH, Hinselmann M:** Hypovolemia toxemia of pregnancy: plasma expander therapy w surveillance of central venous pressure.
Arch Gynaekol 215:123-32, 25 Jun 73
ADULT/ BLOOD PRESSURE, drug effects/ *BLOOD VOLUME, drug effects/ CARDIAC GLYCOSIDES, therapeutic use/ *CENTRAL VENOUS PRESSURE, drug effects/ DEXTRAN, therapeutic use/ DIURETICS, therapeutic use/ DRUG SYNERGISM/ FEMALE/ HEART DISEASES, complications/ HEMODYNAMICS, drug effects/ HUMAN/ KIDNEY FUNCTION TESTS/ PLACENTA, blood supply/ PLACENTA DISORDERS, diagnosis/ *PLASMA SUBSTITUTES, therapeutic use/ PREGNANCY/ *PREGNANC TOXEMIAS, drug therapy/ SERUM ALBUMI therapeutic use/ TIME FACTORS/ UTERUS, blood supply

699. **Closset J, Hennen G, Lequin RM:** Human luteiniz hormone. The amino acid sequence of the subu
FEBS Lett 29:97-100, 15 Jan 73
ALKYLATION/ AMINO ACID SEQUENCE/ CARBOXYPEPTIDASES/ CHROMATOGRAPH ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYE DANSYL COMPOUNDS/ DITHIOTHREITOL/ ELECTROPHORESIS/ GEL FILTRATION/ HUMAN/ IODOACETATES/ *LH, analysis/ MACROMOLECULAR SYSTEMS/ OXIDATION-REDUCTION/ PEPTIDES, analys PEPTIDES, isolation & purification/ THERMOLYSIN/ TRITIUM/ TRYPSIN

700. **Coates PW:** Supraependymal cells: light and transmission electron microscopy extends scann electron microscopic demonstration.
Brain Res 57:502-7, 27 Jul 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ *CEREBRAL VENTRICLES, cytology/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ EPENDYMA, cytology/ GOLGI APPARATUS HYPOTHALAMUS, cytology/ MACACA/ MICROSCOPY, ELECTRON, SCANNING/ MONKEYS

701. **Cobau CD, Sheon RP, Kirsner AB:** Immunosuppress drugs and acute leukemia.
Ann Intern Med 79:131-2, Jul 73
AGED/ ARTHRITIS, RHEUMATOID, drug therapy/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CASE REPORT/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *LEUKEMIA, MYELOCYTIC, chemically induced/ MALE/ METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ PREDNISONE, adverse effects/ PREDNISON therapeutic use/ TIME FACTORS/ VASCUL DISEASES, drug therapy

702. **Cochran GV:** Implantation of strain gages on bone vivo. J Biomech 5:119-23, Jan 72
ANIMAL EXPERIMENTS/ *BIOMECHANICS/ *BONE AND BONES, physiology/ CYANOACRYLATES/ DOGS/ METHODS/ METHYLMETHACRYLATE/ TIBIA, physiolo TISSUE ADHESIVES/ ULNA, physiology

703. **Codaccioni JL, Pierron H:** Vers le démembrement goitre simple.
Probl Actuels Endocrinol Nutr 16:263-77, 3 May (F
ADOLESCENCE/ AGE FACTORS/ DIAGNOS DIFFERENTIAL/ FEMALE/ *GOITER, classification/ GOITER, diagnosis/ GOITER, etiology/ GOITER, familial & genetic/ GOITER, pathology/ GOITER, physiopatholo HUMAN/ MALE/ PUBERTY

704. **Cody V, Duax WL:** Distal conformation of the thyr hormone 3,5,3'-triiodo-L-thyronine.

Science 181:757-8, 24 Aug 73
MODELS, STRUCTURAL/ PROTEIN CONFORMATION/ *TRIIODOTHYRONINE/ X-RAY DIFFRACTION

Coezy E, Rudali G: Progestins and mammary cancer induction. Br J Cancer 28:83, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHLORMADINONE, toxicity/ ETHYNODIOL DIACETATE, toxicity/ FEMALE/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ NORETHYNODREL, toxicity/ *PROGESTATIONAL HORMONES, toxicity

Coffey RG, Logsdon PJ, Middleton E Jr: Leukocyte adenyl cyclase and ATPase in asthma: effect of corticosteroid therapy.
Chest 63:Suppl:2S-3S, Apr 73 (9 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, blood/ *ADENYL CYCLASE, blood/ ADRENERGIC BETA RECEPTOR AGONISTS/ ASTHMA, blood/ *ASTHMA, drug therapy/ ASTHMA, enzymology/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ *HYDROCORTISONE, therapeutic use/ ISOPROTERENOL, metabolism/ ISOPROTERENOL, pharmacodynamics/ ISOPROTERENOL, therapeutic use/ LEUKOCYTES, drug effects/ *LEUKOCYTES, enzymology/ PHENTOLAMINE, metabolism/ PHENTOLAMINE, therapeutic use/ REVIEW/ TRITIUM

oggins PB: The effect of x-radiation on spermatogenesis and the fertility of Schistocerca gregaria (Forsk.).
J Embryol Exp Morphol 30:163-77, Aug 73
ANIMAL EXPERIMENTS/ BREEDING/ CELL DIVISION, radiation effects/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHITIN/ CYTOPLASM/ *FERTILITY, radiation effects/ GOLGI APPARATUS, radiation effects/ *GRASSHOPPERS, radiation effects/ LONGEVITY, radiation effects/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, radiation effects/ PIGMENTATION/ *RADIATION EFFECTS/ *SPERMATOGENESIS, radiation effects/ SPERMATOZOA, radiation effects/ TESTIS, radiation effects

ohen DN: Temporal arteritis: improvement in visual prognosis and management with repeat biopsies. Trans Am Acad Ophthalmol Otolaryngol 77:op74-85, Jan-Feb 73
AGED/ BIOPSY/ BLINDNESS, etiology/ *BLINDNESS, prevention & control/ CUSHING'S SYNDROME, chemically induced/ *EYE MANIFESTATIONS/ FOLLOW-UP STUDIES/ HEMATURIA, chemically induced/ HUMAN/ MALE/ MELENA, chemically induced/ OSTEOPOROSIS, chemically induced/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ RECURRENCE/ TEMPORAL ARTERITIS, drug therapy/ *TEMPORAL ARTERITIS, pathology/ VISUAL ACUITY

hen JS: Optic neuropathy of Graves disease, yperthyroidism, and ocular myasthenia gravis. rch Ophthalmol 90:131-2, Aug 73
ADULT/ EYE DISEASES, complications/ GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, pathology/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, pathology/ MALE/ MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, drug therapy/ *MYASTHENIA GRAVIS, pathology/ *OPTIC NERVE, pathology/ PERIPHERAL NERVE DISEASES, complications/ PERIPHERAL NERVE DISEASES, drug therapy/ PERIPHERAL NERVE DISEASES, pathology/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ VISUAL ACUITY

710. **Cohen P, Antoniw JF:** The control of phosphorylase kinase phosphatase by "second site phosphorylation"; a new form of enzyme regulation.
FEBS Lett 34:43-7, 1 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BINDING SITES/ CALCIUM, pharmacodynamics/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MUSCLES, drug effects/ *MUSCLES, enzymology/ *PHOSPHATASES, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHORYLASE KINASE/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ RABBITS/ TIME FACTORS

711. **Cohen PT, Cohen P:** Skeletal muscle phosphorylase kinase deficiency: detection of a protein lacking any activity in ICR-IAn mice. FEBS Lett 29:113-6, 15 Jan 73
ANIMAL EXPERIMENTS/ GEL DIFFUSION TESTS/ GENES, STRUCTURAL/ GLYCOGEN PHOSPHORYLASE/ MICE/ MICE, INBRED C3H/ MICE, INBRED ICR/ MICE, INBRED STRAINS/ MUSCLES, cytology/ *MUSCLES, enzymology/ *PHOSPHOTRANSFERASES, analysis/ RABBITS/ RABBITS, immunology/ SEX CHROMOSOMES/ SUBCELLULAR FRACTIONS, enzymology

712. **Cole EN, Boyns AR:** Radioimmunoassay of human plasma prolactin with an antiserum raised against extracts of amniotic fluid. J Endocrinol 58:xxiv, Jul 73
*AMNIOTIC FLUID, immunology/ FEMALE/ HUMAN/ *IMMUNE SERUMS/ METHODS/ PREGNANCY/ *PROLACTIN, blood/ RADIOIMMUNOASSAY

713. **Cole FE, Weed JC, Schneider GT, et al:** The gonadotropin receptor of the human corpus luteum.
Am J Obstet Gynecol 117:87-95, 1 Sep 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CATTLE/ CELL-FREE SYSTEM/ *CORPUS LUTEUM, physiology/ FEMALE/ FSH, physiology/ *GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ IODINE ISOTOPES/ LH, physiology/ METHODS/ PROLACTIN, physiology/ *RECEPTORS, HORMONE/ SHEEP/ SWINE/ THYROTROPIN, physiology

714. **Coleman DV, Gardner SD, Field AM:** Human polyomavirus infection in renal allograft recipients.
Br Med J 3:371-5, 18 Aug 73
ADOLESCENCE/ ADULT/ ANTIBODY FORMATION/ AZATHIOPRINE, therapeutic use/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ IMMUNOSUPPRESSION/ INCLUSION BODIES, VIRAL/ *KIDNEY, transplantation/ KIDNEY DISEASES, etiology/ KIDNEY DISEASES, microbiology/ MALE/ MICROSCOPY, ELECTRON/ *POLYOMA VIRUS/ POLYOMA VIRUS, isolation & purification/ *POSTOPERATIVE COMPLICATIONS/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ URINE, microbiology/ VIRUS DISEASES, diagnosis/ *VIRUS DISEASES, etiology/ VIRUS DISEASES, immunology

715. **Coleman M:** Serotonin and central nervous system syndromes of childhood: a review.
J Autism Child Schizo 3:27-35, Jan-Mar 73 (29 ref.)
ANIMAL EXPERIMENTS/ AUTISM, EARLY INFANTILE, blood/ BLOOD PLATELETS, metabolism/ *BRAIN DISEASES, blood/ BRAIN DISEASES, diagnosis/ BRAIN DISEASES, metabolism/ HUMAN/ HYPERKINESIS, blood/ *MENTAL DISORDERS, blood/ MENTAL DISORDERS, metabolism/ MENTAL RETARDATION, blood/ MODELS, BIOLOGICAL/ RATS/ REVIEW/ SCHIZOPHRENIA, CHILDHOOD, blood/

*SEROTONIN, blood/ SEROTONIN, metabolism/ SYNDROME

716. **Collenot A:** Obtention, par la méthode des greffes de gonades embryonnaires, d'une femelle á descendance unisexuée femelle, chez le triton Pleurodeles waltlii Michah.
Experientia 29:885-7, 1973 **(Fre)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ GERM LAYERS, transplantation/ *OVARY, embryology/ OVARY, transplantation/ *SALAMANDERS/ *SEX DETERMINATION/ TESTIS, drug effects/ *TESTIS, embryology/ TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS

717. **Collins E:** The illusion of widely spaced nipples in the Noonan and the Turner syndromes.
J Pediatr 83:557-61, Oct 73
*ABNORMALITIES, MULTIPLE/ ANTHROPOMETRY/ AUSTRALIA/ BODY HEIGHT/ *BREAST, anatomy & histology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ *PULMONARY VALVE STENOSIS/ STERNUM, anatomy & histology/ *THORAX, anatomy & histology/ *TURNER'S SYNDROME

718. **Collins TF, McLaughlin J:** Teratology studies on food colourings. II. Embryotoxicity of R salt and metabolites of amaranth (FD and C Red no. 2) in rats.
Food Cosmet Toxicol 11:355-60, Jun 73
ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ AZO COMPOUNDS, administration & dosage/ *AZO COMPOUNDS, toxicity/ BONE AND BONES, abnormalities/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ FETAL DEATH, chemically induced/ *FETUS, drug effects/ KIDNEY, abnormalities/ NAPHTHALENES, administration & dosage/ *NAPHTHALENES, toxicity/ PREGNANCY/ RATS/ STERNUM, abnormalities/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFONIC ACIDS, administration & dosage/ SULFONIC ACIDS, toxicity

719. **Collomb H, Dumas M, Girard PL:** Processus expansifs intracrâniens chez le Noir au Sénégal.
J Neurol Sci 19:437-52, Aug 73 **(Fre)**
ADULT/ *BRAIN DISEASES, occurrence/ *BRAIN NEOPLASMS, occurrence/ CRANIOPHARYNGIOMA, occurrence/ ENGLISH ABSTRACT/ EPIDEMIOLOGIC METHODS/ FEMALE/ GLIOMA, occurrence/ *GRANULOMA, occurrence/ HUMAN/ MALE/ MEDULLOBLASTOMA, occurrence/ MENINGIOMA, occurrence/ MIDDLE AGE/ *MYCOSES, occurrence/ NEGROID RACE/ NEOPLASM METASTASIS/ NEURILEMMOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SENEGAL/ *SYPHILIS, occurrence/ *TUBERCULOMA, occurrence

720. **Colombo L, Bern HA, Pieprzyk J, et al:** Biosynthesis of 11-deoxycorticosteroids by teleost ovaries and discussion of their possible role in oocyte maturation and ovulation. Gen Comp Endocrinol 21:168-78, Aug 73
ANDROSTENES, biosynthesis/ ANIMAL EXPERIMENTS/ *DESOXYCORTICOSTERONE, biosynthesis/ FEMALE/ *FISHES/ HYDROCORTISONE, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ *OVARY, physiology/ *OVULATION/ *OVUM, growth & development/ TESTOSTERONE, biosynthesis

721. **Colucci AV, Hammer DI, Williams ME, et al:** Pollutant burdens and biological response.
Arch Environ Health 27:151-4, Sep 73
BODY BURDEN/ CADMIUM, blood/ CADMIUM, metabolism/ DDE, blood/ DDT, blood/ ENVIRONMENTAL EXPOSURE/ *ENVIRONMENTAL HEALTH/ ENVIRONMENTAL POLLUTION, analysis/ ENZYMES, blood/ FEMALE/ HAIR, analysis/ HUMAN/ INDUSTRIAL MEDICINE/ MALE/ MATERNAL-FETAL EXCHANGE/ METALS, blood/ PLACENTA, enzymology/ PLACENTA, metabolism/ POLYCHLOROBIPHENYL COMPOUNDS, analysis/ POLYCHLOROBIPHENYL COMPOUNDS, blo PREGNANCY/ TRACE ELEMENTS, analysis/ UNITED STATES

722. **Comas AP:** Hypothyroidism and precocious sex development: another case.
Pediatrics 52:149-50, Jul 73
CHILD/ FEMALE/ GROWTH DISORDERS, drug therapy/ HUMAN/ *HYPOTHYROIDISM complications/ HYPOTHYROIDISM, drug therapy/ MENSTRUATION, drug effects/ *PUBERTY, PRECOCIOUS, complications/ SI CHARACTERISTICS/ SYNDROME/ THYROGLOBULIN, therapeutic use

723. **Comerton A, Nugent DW, Coughlan MP:** Enzy modulation as an approach to clinical analy investigations on the feasibility on the method the problems encountered.
FEBS Lett 33:301-4, 15 Jul 73
CATTLE/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, urine/ ESTRIOL, pharmacodynamics/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, pharmacodynamics/ ESTRONE, urine/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ GLUTAMATE DEHYDROGENASE, antagonists & inhibitors *GLUTAMATE DEHYDROGENASE, metabolism/ HUMAN/ KINETICS/ LIVER, enzymology/ METHODS/ PREGNANCY/ PREGNANEDIOL, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ URATE OXIDASE/ URIC ACID, pharmacodynamics

724. **Commichau R, Krüger C, Freiesleben H, et al:** Pathogenese der Schwangerschafts-Pyelonephri Geburtshilfe Frauenheilkd 33:464-70, Jun 73 (G
ANIMAL EXPERIMENTS/ BLADDER, innervation/ CYSTITIS, pathology/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ KIDNEY PELVIS, innervation/ PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ PREGNANCY/ *PREGNANCY COMPLICATIONS, INFECTIOUS/ PROGESTERONE, adverse effects/ PYELONEPHRITIS, chemically induced/ *PYELONEPHRITIS, etiology/ RATS/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ URETER, innervation/ URINARY CATHETERIZATION

725. **Commissiong JW, Sedgwick EM:** Do noradrenaline 5-hydroxytryptamine have reciprocal effects on motoneurone pool.
J Physiol (Lond) 232:108P-109P, Jul 73
ANIMAL EXPERIMENTS/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ *MOTOR NEURONS, dru effects/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ REFLEX/ *SEROTONIN, pharmacodynamics/ SPINAL NERVES, physiology

726. **Comolli R, Ferioli ME:** Dexamethasone effects on li beta-glucuronidase and tryptophan oxygenase activities in rats of different ages.
Experientia 29:795-6, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ CYTOSOL, enzymology/ *DEXAMETHASONE pharmacodynamics/ *GLUCURONIDASE, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LYSOSOMES, enzymology/ MA MICROSOMES, LIVER, enzymology/ RATS/ *TRYPTOPHAN OXYGENASE, metabolism

727. **Comsa J:** Consequences of nutritional obesity thyroid tissue. Proc Soc Exp Biol Med 143:792-8, Ju
ANIMAL EXPERIMENTS/ DIET/ DIET, REDUCING/ IODINE ISOTOPES/ LIPIDS, metabolism/ MALE/ NUTRITION DISORDER metabolism/ NUTRITION DISORDERS, pathology/ OBESITY, etiology/ *OBESITY, metabolism/ RATS/ *THYROID GLAND, metabolism/ THYROID GLAND, pathology

. **Conn HO:** The rational management of ascites. Prog Liver Dis 4:269-88, 1972 (115 ref.)
ALBUMINS, therapeutic use/ ALDOSTERONE, antagonists & inhibitors/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ ASCITES, complications/ ASCITES, etiology/ ASCITES, physiopathology/ ASCITES, surgery/ ASCITES, therapy/ ASCITIC FLUID/ DIET, SALT-FREE/ DIURETICS, therapeutic use/ DOGS/ DRAINAGE/ HUMAN/ HYPERTENSION, PORTAL, complications/ INFUSIONS, PARENTERAL/ KIDNEY, metabolism/ LIVER CIRRHOSIS, complications/ PORTACAVAL ANASTOMOSIS/ REVIEW/ SPIRONOLACTONE, therapeutic use/ WATER, administration & dosage

. **Conney AH, Levin W, Jacobson M, et al:** Effects of drugs and environmental chemicals on steroid metabolism. Clin Pharmacol Ther 14:727-41, Jul-Aug 73
*ADRENAL CORTEX HORMONES, metabolism/ AGE FACTORS/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOPYRENES, metabolism/ *BENZOPYRENES, pharmacodynamics/ CARBON MONOXIDE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *ESTROGENS, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ FETUS/ HUMAN/ HYDROCARBONS, HALOGENATED, pharmacodynamics/ HYDROXYLATION/ INFANT, NEWBORN/ *INSECTICIDES, pharmacodynamics/ *MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ OXYGEN CONSUMPTION, drug effects/ PHENOBARBITAL, pharmacodynamics/ PHENYLBUTAZONE, pharmacodynamics/ PREGNANCY/ PROADIFEN, pharmacodynamics/ RATS/ TESTOSTERONE, pharmacodynamics

Constantopoulos A, Najjar VA: The activation of adenylate cyclase. II. The postulated presence of (A) adenylate cyclase in a phospho (inhibited) form (B) a dephospho (activated) form with a cyclic adenylate stimulated membrane protein kinase.
Biochem Biophys Res Commun 53:794-9, 6 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, blood/ ADENYL CYCLASE, metabolism/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, enzymology/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CYTOSOL, enzymology/ DOGS/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ KINETICS/ LEUKOCYTES, cytology/ LEUKOCYTES, drug effects/ *LEUKOCYTES, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN KINASE, metabolism/ RABBITS/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM

Conte J, Mignon-Conte M, Suc JM: Réflexions critiques sur le traitement de la néphropathie lupique: étude comparée de l'action des corticoïdes, de l'association indométhacine-anti-paludéen de synthèse, et de l'héparine.
J Urol Nephrol (Paris) 79:332-50, Apr-May 73 (Fre)
ADOLESCENCE/ ADULT/ *CHLOROQUINE, therapeutic use/ DRUG SYNERGISM/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ *HEPARIN, therapeutic use/ HUMAN/ *INDOMETHACIN, therapeutic use/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use

Contreras E, Tamayo L, Quijada L, et al: Decrease of tolerance development to morphine by 5-hydroxytryptophan and some related drugs.
Eur J Pharmacol 22:339-43, Jun 73
ANALGESIA/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ DOPA, pharmacodynamics/ DRUG TOLERANCE, drug effects/ GUINEA PIGS/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ *MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ TIME FACTORS

733. **Cook DA:** Availability of magnesium: balance studies in rats with various inorganic magnesium salts.
J Nutr 103:1365-70, Sep 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ CARBONATES, pharmacodynamics/ CHLORIDES, pharmacodynamics/ KIDNEY, metabolism/ MAGNESIUM/ MAGNESIUM, administration & dosage/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MAGNESIUM, urine/ MAGNESIUM OXIDE, pharmacodynamics/ MAGNESIUM SULFATE, pharmacodynamics/ MALE/ PHOSPHATES, pharmacodynamics/ RATS/ SALTS, administration & dosage/ SALTS, metabolism/ SILICA, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

734. **Cook JA, DiLuzio NR:** Protective effect of cysteine and methylprednisolone in lead acetate-endotoxin induced shock.
Exp Mol Pathol 19:127-38, Aug 73
ACID PHOSPHATASE, blood/ ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ CELL SURVIVAL, drug effects/ *CYSTEINE, therapeutic use/ GLUCURONIDASE, blood/ KUPFFER CELLS, drug effects/ LACTATES, blood/ LEAD POISONING, metabolism/ *LEAD POISONING, prevention & control/ LIVER, drug effects/ LIVER, metabolism/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ PHAGOCYTOSIS, drug effects/ PYRUVATES, blood/ RATS/ SALMONELLA ENTERITIDIS, immunology/ SHOCK, ENDOTOXIC, enzymology/ SHOCK, ENDOTOXIC, metabolism/ SHOCK, TOXIC, enzymology/ SHOCK, TOXIC, metabolism/ *SHOCK, TOXIC, prevention & control/ SULFOBROMOPHTHALEIN, metabolism

735. **Cooper BR, Grant LD, Breese GR:** Comparison of the behavioral depressant effects of biogenic amine depleting and neuroleptic agents following various 6-hydroxydopamine treatments.
Psychopharmacologia 31:95-109, 17 Jul 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ CHLORPROMAZINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOPAMINE, analysis/ *DOPAMINE, metabolism/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ HALOPERIDOL, pharmacodynamics/ *HYDROXYDOPAMINE, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ PIMOZIDE, pharmacodynamics/ RATS/ *REINFORCEMENT (PSYCHOLOGY), drug effects/ RESERPINE, pharmacodynamics/ THIAZOLES, pharmacodynamics/ THIOUREA, pharmacodynamics/ TIME FACTORS/ *TRANQUILIZING AGENTS, pharmacodynamics

736. **Cooper G 4th, Satava RM Jr, Harrison CE, et al:** Mechanisms for the abnormal energetics of pressure-induced hypertrophy of cat myocardium.
Circ Res 33:213-23, Aug 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CARDIAC OUTPUT/ CATS/ CENTRAL VENOUS PRESSURE/ DYE DILUTION TECHNIC/ *HEART ENLARGEMENT, physiopathology/

HEART VENTRICLE/ HYPERTROPHY, physiopathology/ LIGATION/ MITOCHONDRIA, MUSCLE, metabolism/ *MYOCARDIUM, metabolism/ OLIGOMYCIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ *OXYGEN CONSUMPTION/ PAPILLARY MUSCLES, physiopathology/ PHOSPHATES, metabolism/ PULMONARY ARTERY, surgery/ RUTHENIUM, pharmacodynamics

737. **Cooper JE, Frank L:** Use of the steroid anaesthetic CT 1341 in birds. Vet Rec 92:474-9, 5 May 73
*ANESTHESIA, GENERAL, veterinary/ *ANESTHETICS/ ANESTHETICS, administration & dosage/ ANIMAL EXPERIMENTS/ *BIRDS/ BODY WEIGHT/ CHICKENS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ KETONES/ KETONES, administration & dosage/ *PREGNANES/ PREGNANES, administration & dosage/ TIME FACTORS

738. **Coote JH, Hilton SM, Zbrożyna AW:** The ponto-medullary area integrating the defence reaction in the cat and its influence on muscle blood flow. J Physiol (Lond) 229:257-74, Mar 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE/ CATS/ CONSTRICTION/ DILATATION/ ELECTRIC STIMULATION/ GUANETHIDINE, pharmacodynamics/ HAIR/ HINDLIMB, blood supply/ HYPOTHALAMUS, physiology/ *MEDULLA OBLONGATA, physiology/ *MESENCEPHALON, physiology/ *MUSCLES, blood supply/ PILOERECTION/ *PONS, physiology/ *REFLEX/ REGIONAL BLOOD FLOW/ SKIN, blood supply

739. **Coplon N, Siegel R, Fries J:** Hemodialysis on end-stage lupus nephritis.
Trans Am Soc Artif Intern Organs 19:302-4, 1973
ADULT/ ANTINUCLEAR FACTORS/ BLOOD PRESSURE/ COMPLEMENT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HEMODIALYSIS/ HUMAN/ HYPERTENSION, prevention & control/ INFECTION, etiology/ KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY FAILURE, CHRONIC, therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ *NEPHRITIS, etiology/ *NEPHRITIS, therapy/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

740. **Corcoran JM, Eastman CJ, Ekins RP, et al:** The production of antisera for the radioimmunoassay of thyroxine. J Endocrinol 58:xxii, Jul 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ CATTLE/ FREUND'S ADJUVANT/ HUMAN/ *IMMUNE SERUMS/ METHODS/ RADIOIMMUNOASSAY/ SHEEP/ THYROXINE, blood

741. **Corcoran ME, Fibiger HC, McGeer EG, et al:** Potentiation of leptazol seizures by 6-hydroxydopamine.
J Pharm Pharmacol 25:497-9, Jun 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATECHOLAMINES, antagonists & inhibitors/ *CONVULSIONS, chemically induced/ CORPUS STRIATUM, enzymology/ DRUG SYNERGISM/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, enzymology/ MALE/ MESENCEPHALON, enzymology/ *PENTYLENETETRAZOLE/ RATS/ TIME FACTORS/ TRANYLCYPROMINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism

742. **Corcoran ME, McCaughran JA Jr, Wada JA:** Acute antiepileptic effects of 9-tetrahydrocannabinol in rats with kindled seizures. Exp Neurol 40:471-83, Aug 73
*AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ ANTICONVULSANTS, administration & dosage/ *ANTICONVULSANTS, pharmacodynamics/ ANTICONVULSANTS, therapeutic use/ *CANNABIS, pharmacodynamics/ *CONVULSIONS, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ MALE/ *NEURAL TRANSMISSION, drug effects/ RATS/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics/ TETRAHYDROCANNABINOL, therapeutic use

743. **Cordeiro AC:** Comparação cariométrica entre adenomas paratireóideos hiperfuncionantes e paratireóideos normais: seu interesse cirúrgico. Rev Hosp Clin Fac Med Sao Paulo 28:188-94, Jul-Aug 7 (Por
*ADENOMA, pathology/ ADULT/ CELL NUCLEUS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOMETRY/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, pathology/ *PARATHYROID NEOPLASMS, pathology

744. **Cordier G, Roux C, Revillard JP:** Effect of som immunosuppressive agents on blastogenesis an target-cell lysis in vitro.
Int Arch Allergy Appl Immunol 45:299-303, 197
ANTILYMPHOCYTE SERUM, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ CHROMIUM ISOTOPES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ KIDNEY, transplantation/ LEUKOCYTE CULTURE TEST, MIXED/ *LYMPHOCYTE TRANSFORMATION, drug effects/ METHYLPREDNISOLONE, pharmacodynamics/ PLANT AGGLUTININS, pharmacodynamics/ PREDNISONE, pharmacodynamics/ THYMIDINE, metabolism/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY/ TRITIUM

745. **Corea L, Lupattelli L:** Pseudoipoparatiroidismo. Descrizione di un caso di un uomo di 27 anni co anemia ipocroma ed alopecia.
Folia Endocrinol (Roma) 25:347-63, Oct 72 (Ita
ABNORMALITIES, MULTIPLE/ ADULT/ *ALOPECIA, etiology/ *ANEMIA, HYPOCHROMIC, etiology/ BODY HEIGHT/ CALCIUM, blood/ CASE REPORT/ DIHYDROTACHYSTEROL, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MENTAL RETARDATION/ PHOSPHORUS, blood/ PSEUDOHYPOPARATHYROIDISM, blood/ *PSEUDOHYPOPARATHYROIDISM, complications/ PSEUDOHYPOPARATHYROIDISM, drug therapy

746. **Corlett RC, Sribyatta B, Mishell DR Jr, et al** Termination of early gestation with vaginal prostaglandin F2 alpha tablets.
Prostaglandins 2:453-64, Dec 72
*ABORTION, INDUCED/ ADULT/ CURETTAGE/ ESTRADIOL, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDROXYPROGESTERONE, blood/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ RADIOIMMUNOASSAY/ TABLETS/ UTERUS, drug effects/ VAGINA

747. **Cornu P, Bickert P, Segrestaa JM, et al:** Le con myxoedémateux. Etude de trois cas.
Sem Hop Paris 49:1449-58, 26 Apr 73 (Fr
ADRENAL GLAND HYPOFUNCTION, complications/ AGED/ *COMA, etiology/ COMA, therapy/ ENGLISH ABSTRACT/ FEMALE/ HEMATOLOGIC DISEASES, complications/ HUMAN/ HYPONATREMIA, complications/ HYPOTENSION, complications/ HYPOTHERMIA, complications/ HYPOVENTILATION, complications/ LUNG, pathology/ MALE/ *MYXEDEMA,

complications/ MYXEDEMA, pathology/ MYXEDEMA, therapy/ THYROID HORMONES, therapeutic use/ THYROXINE, therapeutic use/ WATER-ELECTROLYTE BALANCE

. **Cornu P, Soria J, Soria C, et al:** Coagulation intravasculaire disséminée aiguë en milieu obstétrical. Etude de 9 cas. Critères diagnostiques. Attitude thérapeutique.
Sem Hop Paris 49:1419-28, 26 Apr 73 (Fre)
ACUTE DISEASE/ AMINOCAPROIC ACID, therapeutic use/ BLOOD COAGULATION FACTORS, analysis/ BLOOD COAGULATION TESTS/ BLOOD TRANSFUSION/ CESAREAN SECTION/ *DISSEMINATED INTRAVASCULAR COAGULATION/ DISSEMINATED INTRAVASCULAR COAGULATION, diagnosis/ DISSEMINATED INTRAVASCULAR COAGULATION, therapy/ ENGLISH ABSTRACT/ FEMALE/ FIBRINOGEN, therapeutic use/ FIBRINOLYSIS/ HEMORRHAGE, etiology/ HEMOSTASIS/ HUMAN/ HYDROCORTISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ SHOCK, HEMORRHAGIC, etiology

. **Corradino RA:** Embryonic chick intestine in organ culture. A unique system for the study of the intestinal calcium absorptive mechanism.
J Cell Biol 58:64-78, Jul 73
ALKALINE PHOSPHATASE, metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHICK EMBRYO/ CHOLECALCIFEROL, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, cytology/ DUODENUM, drug effects/ DUODENUM, enzymology/ *DUODENUM, metabolism/ GEL DIFFUSION TESTS/ HYDROXYCHOLECALCIFEROL, pharmacodynamics/ IMMUNE SERUMS/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ LEUCINE, metabolism/ MEMBRANE POTENTIALS/ MITOSIS/ ORGAN CULTURE/ PROTEIN BINDING/ PROTEINS, biosynthesis/ RABBITS, immunology/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

Corson SL, Bolognese RJ, Merola J: Intra-amniotic prostaglandin F2 alpha to induce midtrimester abortion. Am J Obstet Gynecol 117:27-34, 1 Sep 73
*ABORTION, INDUCED/ ABORTION, INDUCED, adverse effects/ AMNIOTIC FLUID/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERTONIC SOLUTIONS/ INJECTIONS/ PARITY/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ UTERUS, drug effects

Cortes P, Potter EV, Kwaan HC: Characterization and significance of urinary fibrin degradation products.
J Lab Clin Med 82:377-89, Sep 73
ADOLESCENCE/ ADULT/ ANTIBODIES/ CHILD/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FIBRIN, metabolism/ *FIBRIN, urine/ FIBRINOGEN, isolation & purification/ FIBRINOGEN, metabolism/ FIBRINOGEN, urine/ FIBRINOLYSIS/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, urine/ HUMAN/ HYDROCORTISONE, therapeutic use/ IMMUNOELECTROPHORESIS/ MIDDLE AGE/ NEPHROSIS, LIPOID, drug therapy/ NEPHROSIS, LIPOID, immunology/ NEPHROSIS, LIPOID, urine/ PROTEINURIA/ RABBITS, immunology

Cortés-Gallegos V: A new index to predict ovulation in the human. Int J Fertil 18:93-6, 1973
ADULT/ ANDROGENS, biosynthesis/ BODY TEMPERATURE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, blood/ 17-KETOSTEROIDS, urine/ MENSTRUATION/ *OVULATION/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN-BOUND IODINE TEST

753. **Cortés-Gallegos V:** Fisiología ovárica.
Arch Invest Med (Mex) 4:29-40, 1973 (Spa)
ADULT/ BLOOD PROTEINS/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, blood/ MALE/ *MENSTRUATION/ *OVARY, physiology/ *OVULATION/ PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

754. **Cortés-Gallegos V, Andrade-Vargas A, Rizo-Santiago J, et al:** Fisiología ovárica. II. Métodos para el diagnóstico de ovulación.
Arch Invest Med (Mex) 4:29-40, 1973 (Spa)
ADOLESCENCE/ ADULT/ BIOPSY/ *BODY TEMPERATURE/ ENDOMETRIUM, cytology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MENSTRUATION/ *OVARY, physiology/ *OVULATION/ *PROGESTERONE, blood/ TIME FACTORS

755. **Cortés-Gallegos V, Casasola-García J, Moreno-Bonett H, et al:** Fisiología ovárica. 3.
Arch Invest Med (Mex) 4:51-68, 1973 (Spa)
ADOLESCENCE/ ADULT/ *AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, blood/ MENSTRUATION/ *OVARIAN CYSTS, physiopathology/ *OVARY, physiopathology/ OVULATION/ PROGESTERONE, blood/ TESTOSTERONE, blood

756. **Corvol P, Ménard J, Milliez P:** Place des antialdostérones dans le traitement de l'hypertension artérielle. Rev Prat 23:671-2 passim, 11 Feb 73 (Fre)
ALDOSTERONE, antagonists & inhibitors/ ALDOSTERONE, pharmacodynamics/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, complications/ HYPERTENSION, drug therapy/ POTASSIUM, blood/ POTASSIUM, urine/ SPECIAL LIST FOREIGN/ SPIRONOLACTONE, adverse effects/ SPIRONOLACTONE, therapeutic use

757. **Corvol P, Ménard J, Bertagna X:** Dosages radioimmunologiques de l'aldostérone et de l'activité rénine plasmatique. Application au diagnostic de diagnostic de l'hyperaldostéronisme primaire.
Ann Endocrinol (Paris) 34:57-65, Jan-Feb 73 (Fre)
*ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ INFUSIONS, PARENTERAL/ MALE/ METHODS/ POSTURE/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM CHLORIDE, diagnostic use

758. **Costello LC, Balkissoon B, Stacey R:** Hypocitricemic effect of surgical stress. J Surg Res 15:182-8, Sep 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CITRATES, blood/ CITRATES, urine/ DOGS/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, surgery/ HYSTERECTOMY/ LEIOMYOMA, blood/ LEIOMYOMA, surgery/ MALE/ MIDDLE AGE/ RECTAL NEOPLASMS, blood/ RECTAL NEOPLASMS, surgery/ STRESS/ *SURGERY, OPERATIVE/ TIME FACTORS/ UTERINE NEOPLASMS, blood/ UTERINE NEOPLASMS, surgery

759. **Costin G, Fefferman RA, Kogut MD:** Hypothalamic gigantism. J Pediatr 83:419-25, Sep 73
ARGININE, administration & dosage/ BRAIN NEOPLASMS, blood/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS,

radiotherapy/ CHILD, PRESCHOOL/ CHLORPROMAZINE, therapeutic use/ COBALT ISOTOPES, therapeutic use/ DEXAMETHASONE, therapeutic use/ GIGANTISM, blood/ GIGANTISM, drug therapy/ *GIGANTISM, etiology/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERINSULINISM, blood/ *HYPOTHALAMUS/ INSULIN, administration & dosage/ MALE/ *NEUROFIBROMATOSIS, complications/ PNEUMOENCEPHALOGRAPHY/ SOMATOTROPIN, blood

760. **Costlow ME, Melnykovych G:** A study of protein profiles in two strains of HeLa cells including membrane preparations. Lack of prednisolone effects. In Vitro 8:489-93, May-Jun 73
*ALKALINE PHOSPHATASE, biosynthesis/ CARBON ISOTOPES/ CELL MEMBRANE, enzymology/ ELECTROPHORESIS, DISK/ ENZYME INDUCTION/ *HELA CELLS, analysis/ HELA CELLS, drug effects/ HELA CELLS, enzymology/ HUMAN/ LEUCINE, metabolism/ *NEOPLASM PROTEINS, analysis/ *PREDNISOLONE, pharmacodynamics/ STAINS AND STAINING/ TRITIUM

761. **Cottin S, Prost A, Le Bodic, et al:** Maladie de Hodgkin révélée par un syndrome néphrotique paranéoplasique. Régression conjointe depuis 32 mois.
Ann Med Interne (Paris) 123:1029-32, Dec 72 **(Fre)**
ADULT/ ALBUMINURIA, etiology/ BIOPSY/ COBALT ISOTOPES, therapeutic use/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LYMPH NODE EXCISION/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *NEPHROTIC SYNDROME, etiology/ PROTEINURIA, etiology/ REMISSION

762. **Cotton JR, Searls AG, Remmers AR Jr, et al:** The appearance of reticulum cell sarcoma at the site of antilymphocyte globulin injection.
Transplantation 16:154-7, Aug 73
AMPHOTERICIN B, therapeutic use/ *ANTIBODIES/ *ANTILYMPHOCYTE SERUM, adverse effects/ AZATHIOPRINE, therapeutic use/ BUTTOCKS/ CADAVER/ CRYPTOCOCCOSIS, diagnosis/ CRYPTOCOCCOSIS, drug therapy/ CRYPTOCOCCUS NEOFORMANS, isolation & purification/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ KIDNEY, transplantation/ MALE/ MENINGITIS, diagnosis/ MENINGITIS, drug therapy/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREDNISONE, therapeutic use/ *SARCOMA, RETICULUM CELL, etiology/ SARCOMA, RETICULUM CELL, therapy/ SPLEEN, immunology/ TRANSPLANTATION, HOMOLOGOUS

763. **Cottrall MF, Taylor DM, McElwain TJ:** Investigations of 18F-p-fluorophenylalanine for pancreas scanning.
Br J Radiol 46:277-88, Apr 73
ANIMAL EXPERIMENTS/ FLUORIDES, urine/ *FLUORINE, diagnostic use/ HUMAN/ KIDNEY, radiation effects/ MALE/ METHODS/ MICE/ MICE, INBRED STRAINS/ *PANCREAS/ *PHENYLALANINE, diagnostic use/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING/ *RADIOISOTOPES, diagnostic use/ SELENIUM, diagnostic use/ TESTIS, radiation effects

764. **Couch RM, Anderson KM:** Rat ventral prostate chromatin. Effect of androgens on its chemical composition, physical properties, and template activity. Biochemistry 12:3114-21, 31 Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATIN, analysis/ CHROMATIN, drug effects/ *CHROMATIN, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESCHERICHIA COLI, enzymology/ HISTONES, analysis/ HISTONES, metabolism/ MALE/ PROSTATE, analysis/ PROSTATE, cytology/ PROSTATE, drug effects/ *PROSTATE, metabolism/ RATS/ RNA POLYMERASE, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPLATES/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIU

765. **Coudert SP, Phillips GD, Palmer M, et al:** Prostaglandi F concentration in the peripheral blood of the ev during the estrous cycle.
Prostaglandins 2:501-9, Dec 72
ACETATES/ ANIMAL EXPERIMENTS/ CATHETERIZATION/ *ESTRUS/ FEMALE/ HYDROXYPROGESTERONE/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ SHEEP/ VENA CAV. INFERIOR

766. **Coulbois J, Mignon F, Dupuy P:** Physiologie duodéna
Rev Prat 23:1857-65, 11 Apr 73 **(Fr**
CALCIUM, metabolism/ DIGESTION/ *DUODENUM, physiology/ DUODENUM, secretion/ ENGLISH ABSTRACT/ GASTROINTESTINAL MOTILITY/ HUMAN/ INTESTINAL ABSORPTION/ IRON, metabolism

767. **Counis R:** Demasquage presumé des récepteurs de noradrénaline par enrichissement en acide linoléiq des phospholipides mambranaires de la cellu adipeuse. II. Activités adényl cyclase et phosphodiestérase.
Biochim Biophys Acta 306:391-5, 21 Jun 73 **(F**
*ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CELL MEMBRANI drug effects/ CELL MEMBRANE, enzymolog ENGLISH ABSTRACT/ ENZYME ACTIVATION/ EPIDIDYMIS, cytology/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, enzymology/ FLUORIDES, pharmacodynamics. *LINOLEIC ACID, pharmacodynamics/ MALE NOREPINEPHRINE, pharmacodynamics/ *PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ RECEPTORS, HORMONE

768. **Counts S, Hickman R, Garbaccio A, et al:** Chronic ho peritoneal dialysis in children.
Trans Am Soc Artif Intern Organs 19:157-63, 1
ADOLESCENCE/ ANEMIA, etiology/ BODY HEIGHT/ CATHETERIZATION, adverse effects/ CATHETERIZATION, instrumentation/ CHILD/ CHILD, PRESCHOOL/ DIET/ ESCHERICHIA COLI INFECTIONS, etiology/ FEMALE/ GROWTH. *HOME CARE SERVICES/ HUMAN/ HYPERKALEMIA, etiology/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERTENSION, etiology/ MALE/ MIMAE INFECTIONS, etiology/ *PERITONE DIALYSIS/ PERITONEAL DIALYSIS, advers effects/ PERITONITIS, etiology/ PUBERTY/ RICKETS, etiology/ STAPHYLOCOCCAL INFECTIONS, etiology/ TIME FACTORS

769. **Cousineau D, Gagnon DJ, Sirois P:** Changes in plas levels of vasopressin and renin in response haemorrhage in dogs. Br J Pharmacol 47:315-24, Fet
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ BLOOD CIRCULATION/ CHICKENS/ COLON, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HEMORRHAGE, blood/ IN VITRO/ MUSCL drug effects/ OXYTOCIN, administration & dosage/ OXYTOCIN, pharmacodynamics/ RABBITS/ RATS/ RECTUM, drug effects/ *RENIN, blood/ TIME FACTORS/ VASOPRESSIN, administration & dosage/ *VASOPRESSIN, blood/ VASOPRESSIN, pharmacodynamics

770. **Covelli MD, Denton DA, Nelson JF, et al:** Horm factors influencing salt appetite in pregnan
Endocrinology 93:423-9, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM CHLORIDE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL,

pharmacodynamics/ FEMALE/ *FOOD PREFERENCES, drug effects/ MAGNESIUM/ MALE/ POTASSIUM CHLORIDE/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ *PSEUDOPREGNANCY/ RABBITS/ SODIUM, metabolism/ *SODIUM CHLORIDE/ WATER-ELECTROLYTE BALANCE

Covelli V, Metalli P, Bassani B, et al: Osservazioni epidemiologiche e patologiche sul reticolosarcoma del topo (C57BL-Cne x C3H-Cne)F 1.
Tumori 59:97-118, Mar-Apr 73 (Ita)
ADRENAL GLAND NEOPLASMS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ KIDNEY NEOPLASMS/ LIVER NEOPLASMS/ LUNG NEOPLASMS/ LYMPH NODES/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ RADIATION EFFECTS/ *RODENT DISEASES/ *SARCOMA, RETICULUM CELL/ SPLENECTOMY/ SPLENIC NEOPLASMS/ TESTICULAR NEOPLASMS

Cox RH Jr, Perhach JL Jr: A sensitive, rapid and simple method for the stimultaneous spectrophotofluorometric determinations of norepinephrine, dopamine, 5-hydroxytryptamine and 5-hydroxy-indoleacetic acid in discrete areas of brain.
J Neurochem 20:1777-80, Jun 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CEREBELLUM, analysis/ DIENCEPHALON, analysis/ *DOPAMINE, analysis/ DOPAMINE, isolation & purification/ FLUORESCENCE SPECTROMETRY/ *HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, isolation & purification/ MEDULLA OBLONGATA, analysis/ MESENCEPHALON, analysis/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, isolation & purification/ PONS, analysis/ RATS/ *SEROTONIN, analysis/ SEROTONIN, isolation & purification/ TELENCEPHALON, analysis

Coy DH, Coy EJ, Schally AV: Analogs of luteinizing hormone-releasing hormone containing derivatives of phenylalanine in place of tyrosine.
J Med Chem 16:827-9, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, pharmacodynamics/ FEMALE/ *LH/ LH, blood/ LH, secretion/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ *PHENYLALANINE, chem synthesis/ PHENYLALANINE, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROTEIN BINDING, drug effects/ RATS/ RECEPTORS, DRUG, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

Coy DH, Vilchez-Martinez JA, Coy EJ, et al: A peptide inhibitor of luteinizing hormone-releasing hormone (LH-RH). J Clin Endocrinol Metab 37:331-3, Aug 73
ANIMAL EXPERIMENTS/ ESTROGENS, pharmacodynamics/ FEMALE/ *LH/ OVARY, physiology/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PROGESTERONE, pharmacodynamics/ RATS

Coyle JT Jr, Wender P, Lipsky A: Avoidance conditioning in different strains of rats: neurochemical correlates.
Psychopharmacologia 31:25-34, 4 Jul 73
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ BRAIN CHEMISTRY/ CEREBRAL CORTEX, enzymology/ *CONDITIONING, OPERANT/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, metabolism/ MALE/ METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SPECIES SPECIFICITY/ TRITIUM/ TYROSINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism

776. Cozzari C, Angeletti PU, Lazar J, et al: Separation of isorenin activity from nerve growth factor (NGF) activity in mouse submaxillary gland extracts.
Biochem Pharmacol 22:1321-7, 1 Jun 73
ANIMAL EXPERIMENTS/ BARBITURATES, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ KIDNEY, physiology/ MALE/ MICE/ NEPHRECTOMY/ *NERVE GROWTH FACTOR, isolation & purification/ NERVE GROWTH FACTOR, pharmacodynamics/ PENTOLINIUM TARTRATE, pharmacodynamics/ *RENIN, isolation & purification/ RENIN, pharmacodynamics/ STREPTOMYCIN, diagnostic use/ *SUBMANDIBULAR GLAND, analysis/ TISSUE CULTURE

777. Craft I: Intra-amniotic prostaglandins and urea for abortion. Lancet 2:207 passim, Jul 73
*ABORTION, INDUCED/ AMNIOTIC FLUID/ DRUG SYNERGISM/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ UREA, administration & dosage

778. Craft I: The use of prostaglandin pessaries prior to vaginal termination. Prostaglandins 3:377-81, Mar 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ *CERVIX UTERI, drug effects/ DIARRHEA, chemically induced/ DILATATION/ FEMALE/ HUMAN/ MUSCLE CRAMP, chemically induced/ PARITY/ PESSARIES/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS

779. Craft IL, Scrivener R, Dewhurst CJ: Prostaglandin f2alpha levels in the maternal and fetal circulations in late pregnancy.
J Obstet Gynaecol Br Commonw 80:616-8, Jul 73
CESAREAN SECTION/ DELIVERY/ FEMALE/ FEMORAL ARTERY/ *FETUS/ HUMAN/ LABOR/ *PREGNANCY/ *PROSTAGLANDINS, blood/ UMBILICAL ARTERIES/ UMBILICAL VEINS

780. Cragle RG: Dynamics of mineral elements in the digestive tract of ruminants.
Fed Proc 32:1910-4, Aug 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ CALCIUM, metabolism/ CATTLE/ DIGESTIVE SYSTEM, metabolism/ *GASTROINTESTINAL SYSTEM, metabolism/ HYDROGEN-ION CONCENTRATION/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, physiology/ IODINE, metabolism/ MAGNESIUM, metabolism/ *MINERALS, metabolism/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ RUMEN, metabolism/ SODIUM, metabolism/ ZINC, metabolism

781. Crain SM, Pollack ED: Restorative effects of cyclic AMP on complex bioelectric activities of cultured fetal rodent CNS tissues after acute CA++ deprivation. J Neurobiol 4:321-42, 1973
ACETIC ACIDS, pharmacodynamics/ ACTION POTENTIALS/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ *CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ ETHYL ETHER, pharmacodynamics/ HYPOCALCEMIA, metabolism/ MAGNESIUM, metabolism/ MICE/ *NEURAL TRANSMISSION, drug effects/ PHOSPHODIESTERASES, antagonists & inhibitors/ *SPINAL CORD, drug effects/

SPINAL CORD, metabolism/ STRYCHNINE, pharmacodynamics/ TISSUE CULTURE

782. **Cramer H:** Aspects du rôle de l'A.M.P. cyclique dans le système nerveux.
Rev Neurol (Paris) 127:300, Aug 72 **(Fre)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ GANGLIA, physiology/ *NERVOUS SYSTEM, physiology/ RABBITS/ RATS

783. **Cramer OM, Barraclough CA:** Effects of preoptic electrical stimulation on pituitary LH release following interruption of components of the preoptico-tuberal pathway in rats.
Endocrinology 93:369-76, Aug 73
ANIMAL EXPERIMENTS/ *CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ FEMALE/ LH, blood/ *LH, secretion/ OVULATION/ *PITUITARY GLAND, secretion/ RATS

784. **Cranston RW:** Dexamethasone in spinal cord injury.
Surg Neurol 1:290, Sep 73
CHILD, PRESCHOOL/ *DEXAMETHASONE, therapeutic use/ HEMIPLEGIA, etiology/ HUMAN/ MALE/ SPINAL CORD INJURIES, complications/ *SPINAL CORD INJURIES, drug therapy

785. **Craven RP, McDonald PG:** The effect of intrahypothalamic infusions of dopamine and noradrenaline on ovulation in reserpine-treated female rats. J Endocrinol 58:319-26, Aug 73
ANIMAL EXPERIMENTS/ BRAIN, anatomy & histology/ BRAIN CHEMISTRY, drug effects/ DEPRESSION, CHEMICAL/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ LH, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ OVARY, cytology/ OVARY, drug effects/ *OVULATION, drug effects/ RATS/ *RESERPINE, pharmacodynamics/ TIME FACTORS

786. **Crawford JS, Davies P:** Pre-pregnancy oral contraception and sex ratio among subsequent progeny. Lancet 2:453-4, 25 Aug 73
*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ PARITY/ PREGNANCY/ *SEX RATIO/ STATISTICS/ TIME FACTORS

787. **Crawford LV:** Experiences with cromolyn sodium in asthma in children. Clin Pediatr (Phila) 12:519, Sep 73
*ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CLINICAL RESEARCH/ DISODIUM CROMOGLYCATE, administration & dosage/ *DISODIUM CROMOGLYCATE, therapeutic use/ HUMAN/ PLACEBOS/ PREDNISONE, therapeutic use

788. **Creamer LK, Wheelock JV, Samuel D:** The distribution of glyco-kappa-casein and carbohydrate-free kappa-casein between large and small bovine casein micelles, and its implication in micelle structure.
Biochim Biophys Acta 317:202-6, 12 Jul 73
CARBOHYDRATES, analysis/ *CASEIN, analysis/ CATTLE/ CENTRIFUGATION/ FEMALE/ *GLYCOPROTEINS, analysis/ MILK, analysis/ NITROGEN, analysis/ PEPTIDES, analysis/ PROTEIN BINDING/ RENIN/ SOLUBILITY/ SURFACE PROPERTIES/ TRICHLOROACETIC ACID

789. **Creighton WD, Lambert PH, Miescher PA:** Detection of antibodies and soluble antigen-antibody complexes by precipitation with polyethylene glycol.
J Immunol 111:1219-27, Oct 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *ANTIBODIES, analysis/ *ANTIGEN-ANTIBODY COMPLEX, analysis/ *GLYCOLS/ GUINEA PIGS, immunology/ HUMAN/ IGG/ INSULIN/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ *POLYETHYLENES/ *PRECIPITIN TESTS/ RABBITS/ RABBITS, immunology/ SERUM ALBUMIN, BOVINE/ SOLUBILITY/ THYROGLOBULIN

790. **Cremin BJ:** Intrinsic dwarfism presenting at birth Preliminary communication on nomenclature.
S Afr Med J 47:1068-9, 23 Jun 73
ACHONDROPLASIA, radiography/ BONE DISEASES, DEVELOPMENTAL/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA/ CLEIDOCRANIAL DYSOSTOSIS/ *DWARFISM, congenital/ DWARFISM, radiography/ ECCENTRO-OSTEOCHONDRODYSPLASIA, congenital/ ELLIS-VAN CREVELD SYNDROME, radiography/ HUMAN/ INFANT, NEWBORN/ *NOMENCLATURE/ SYNDROME/ THORAX, abnormalities

791. **Crenshaw RR, Luke GM, Jenks TA, et al:** Potentia antifertility agents. 4. Biological properties of diastereoisomeric 4-aryl-2-methylcyclohexanecarboxylic acids and related compounds. J Med Chem 16:813-23, Jul 7
ANIMAL EXPERIMENTS/ ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ CHOLESTEROL, blood/ CHROMATOGRAPHY, GAS/ *CONTRACEPTIVE AGENTS, chem synthesis/ CONTRACEPTIVE AGENTS, pharmacodynamics/ *CYCLOHEXANECARBOXYLIC ACIDS, chem synthesis/ CYCLOHEXANECARBOXYLIC ACIDS, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ GONADOTROPINS, CHORIONIC, antagonists & inhibitors/ MALE/ MICE/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, drug effects/ UTERUS, drug effects

792. **Crighton DB, Foster JP, Haresign W, et al:** The effect of a synthetic preparation of gonadotrophin releasin factor on pituitary and ovarian function in anoestrou ewes. J Physiol (Lond) 231:98P-99P, Jun 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ LH, blood/ *OVARY, drug effects/ OVULATION, drug effects/ PEPTIDES, pharmacodynamics/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, blood/ SHEEP/ TIME FACTORS

793. **Crim LW, Meyer RK, Donaldson EM:** Radioimmunoassay estimates of plasma gonadotropi levels in the spawning pink salmon.
Gen Comp Endocrinol 21:69-76, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *GONADOTROPINS, blood/ GONADOTROPINS, physiology/ GONADS, growth & development/ MALE/ METHODS/ OVULATION/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *SALMON/ SALMON, growth & development/ SPERMATOGENESIS

794. **Crispell KR:** Adult myxedema--a hypocatabolic syndrome.
Trans Am Clin Climatol Assoc 84:229-36, 1973
ADULT/ AMINO ACIDS, metabolism/ CHILD/ HUMAN/ MYXEDEMA, drug therapy/ *MYXEDEMA, metabolism/ MYXEDEMA, urine/ *NITROGEN, metabolism/ NITROGEN, urine/ PROTEINS, biosynthesis/ *PROTEINS, metabolism/ SYNDROME/ THYROID HORMONES, administration & dosage/ THYROID HORMONES, therapeutic use

795. **Crombag FJ, D'Haene EG, Tertoolen JF:** Preparatio and use of serum standards for thyroxine determination. Clin Chim Acta 46:345-9, 14 Jul 7
ALCOHOL, ETHYL/ ALPHA GLOBULIN/ BETA GLOBULIN/ BINDING, COMPETITIVE/ BINDING SITES/ BLOOD/ *BLOOD CHEMICAL ANALYSIS, standards/ BLOOD

PROTEINS/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ FREEZE DRYING/ GAMMA GLOBULIN/ IODINE ISOTOPES/ PROTEIN BINDING/ SERUM ALBUMIN/ SOLUBILITY/ SPECIES SPECIFICITY/ *THYROXINE, blood/ TRIIODOTHYRONINE

6. **Crooke AC, Lipede AB, Hodgson C:** The excretion of total oestrogens and 11-deoxy-17-oxogenic steroids in women treated with gonadotrophins. J Obstet Gynaecol Br Commonw 80:745-9, Aug 73
*ESTROGENS, urine/ FEMALE/ FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ OVULATION, drug effects/ PREGNANCY/ PREGNANCY, MULTIPLE/ *PREGNANETRIOL, urine/ STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL/ TIME FACTORS

7. **Crosland DB:** Leiomyomatosis peritonealis disseminata: a case report. Am J Obstet Gynecol 117:179-81, 15 Sep 73
ADULT/ FEMALE/ HUMAN/ *LEIOMYOMA/ *OMENTUM/ *OVARIAN NEOPLASMS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *UTERINE NEOPLASMS

8. **Cross BA:** Neural mechanisms of pituitary control. J Endocrinol 58:xxxiixxxii, Aug 73
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ DENERVATION/ HYPOTHALAMUS, physiology/ LH, secretion/ NEURAL CONDUCTION/ *NEURONS, physiology/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS/ RATS/ THYROTROPIN, secretion

9. **Cross HE:** Genetic counseling. Trans Am Acad Ophthalmol Otolaryngol 76:1203-13, Sep-Oct 72
ABNORMALITIES, etiology/ ABNORMALITIES, familial & genetic/ ADULT/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ CONSANGUINITY/ CONTRACEPTION/ EYE, abnormalities/ FEMALE/ GENES/ GENES, DOMINANT/ GENES, RECESSIVE/ *GENETIC COUNSELING/ HUMAN/ MALE/ MATERNAL AGE/ MONGOLISM, familial & genetic/ MUTATION/ PEDIGREE/ PREGNANCY/ RECURRENCE/ SEX CHROMOSOMES/ STERILIZATION, SEXUAL/ TRANSLATION, GENETIC

10. **Crowe MJ, Lloyd GG, Bloch S, et al:** Hypothyroidism in patients treated with lithium: a review and two case reports. Psychol Med 3:337-42, Aug 73
ADULT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, drug therapy/ IODINE ISOTOPES, DIAGNOSTIC/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ PROTEIN-BOUND IODINE TEST/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ THYROXINE, blood/ THYROXINE, therapeutic use

11. **Crowshaw K:** The incorporation of (1-14C) arachidonic acid into the lipids of rabbit renal slices and conversion to prostaglandins E2 and F2 Prostaglandins 3:607-20, May 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, NONESTERIFIED, isolation & purification/ FATTY ACIDS, NONESTERIFIED, metabolism/ HYDROLYSIS/ IN VITRO/ KIDNEY, analysis/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism/ LIPIDS, isolation & purification/ *LIPIDS, metabolism/ MALE/ METHODS/ PHOSPHOLIPIDS, isolation & purification/ PHOSPHOLIPIDS, metabolism/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, isolation & purification/ RABBITS/ VENOMS

802. **Cruikshank DP, Buchsbaum HJ:** Effects of rapid paracentesis. Cardiovascular dynamics and body fluid composition. JAMA 225:1361-2, 10 Sep 73
ADENOCARCINOMA, complications/ ADENOCARCINOMA, PAPILLARY, complications/ ADULT/ AGED/ ASCITES, etiology/ *ASCITIC FLUID, analysis/ *BLOOD/ BLOOD PROTEINS, analysis/ CARDIOVASCULAR SYSTEM/ CYSTADENOCARCINOMA, complications/ CYSTADENOMA, MUCINOUS, complications/ ELECTROLYTES, blood/ FEMALE/ HEMATOCRIT/ *HEMODYNAMICS/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, complications/ *PUNCTURES/ SERUM ALBUMIN, analysis/ TERATOID TUMOR, complications/ TIME FACTORS

803. **Cruse PJ, Foord R:** A five-year prospective study of 23,649 surgical wounds. Arch Surg 107:206-10, Aug 73
AGE FACTORS/ ALBERTA/ ANTISEPSIS, standards/ CROSS INFECTION/ DIABETES MELLITUS, complications/ DISINFECTANTS/ ELECTROCOAGULATION/ HAIR REMOVAL, adverse effects/ HOSPITAL DEPARTMENTS/ HUMAN/ LENGTH OF STAY/ NUTRITION DISORDERS, complications/ OBESITY, complications/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PREOPERATIVE CARE/ PROSPECTIVE STUDIES/ STEROIDS, adverse effects/ SURGERY, OPERATIVE, standards/ SURGICAL EQUIPMENT/ *SURGICAL WOUND INFECTION, occurrence/ SURGICAL WOUND INFECTION, prevention & control/ TIME FACTORS

804. **Csaba B, Muszbek L:** Effect of Bordetella pertussis vaccine on plasma corticosterone level and on ACTH-induced corticosterone secretion in rats. Experientia 29:112-3, 1 May 73
ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *PERTUSSIS VACCINE, pharmacodynamics/ RATS

805. **Csapo AI:** The prospects of PGs in postconceptional therapy. Prostaglandins 3:245-89, Mar 73 (46 ref.)
*ABORTION, INDUCED/ *ABORTION, THERAPEUTIC/ ACTION POTENTIALS/ AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ FEMALE/ HUMAN/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LABOR, INDUCED/ LIGATION/ MICE/ MUSCLE CONTRACTION, drug effects/ OVARY, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ RABBITS/ REVIEW/ STIMULATION, CHEMICAL/ TIME FACTORS/ *UTERUS, drug effects

806. **Csapo AI, Csapo EF:** Ovariectomy induced placental hypertrophy. Prostaglandins 4:189-200, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FETAL DEATH/ FETUS, anatomy & histology/ GESTATIONAL AGE/ HYPERTROPHY/ ORGAN WEIGHT/ *OVARY, physiology/ PLACENTA, anatomy & histology/ *PLACENTA DISORDERS/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ UTERUS, anatomy & histology

807. **Csapo AI, Csapo EF, Fay E, et al:** The role of estradiol 17 in the activation of the uterus during premature

labor and the effect of Naproxen, an inhibitor of prostaglandin synthesis.
Prostaglandins 3:839-46, Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FETUS, drug effects/ GESTATIONAL AGE/ INJECTIONS, INTRAMUSCULAR/ *LABOR, drug effects/ *LABOR, PREMATURE/ NAPHTHALENES, pharmacodynamics/ ORGAN WEIGHT/ OVARY, physiology/ PLACENTA, anatomy & histology/ PREGNANCY/ *PROPIONATES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, drug effects

808. **Csapo AI, Csapo EF, Fay E, et al:** The delay of spontaneous labor by Naproxen in the rat model.
Prostaglandins 3:827-37, Jun 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ INJECTIONS, INTRAMUSCULAR/ *LABOR, drug effects/ MATERNAL MORTALITY/ METHYL ETHER, administration & dosage/ METHYL ETHER, pharmacodynamics/ NAPHTHALENES, administration & dosage/ NAPHTHALENES, adverse effects/ NAPHTHALENES, pharmacodynamics/ PREGNANCY/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ PROPIONATES, administration & dosage/ PROPIONATES, adverse effects/ *PROPIONATES, pharmacodynamics/ RATS/ TIME FACTORS

809. **Csapo AI, Mocsary P, Nagy T, et al:** The efficacy and acceptability of the "prostaglandin impact" in inducing complete abortion during the second week after the missed menstrual period.
Prostaglandins 3:125-39, Feb 73
*ABORTION, INDUCED/ ADULT/ BLOOD PRESSURE, drug effects/ CATHETERIZATION/ DEPRESSION, CHEMICAL/ DILATATION/ ESTRADIOL, blood/ FEMALE/ HEART RATE, drug effects/ HUMAN/ INJECTIONS/ METHODS/ MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology

810. **Cseuz R, Wenger TL, Kunos G, et al:** Changes of adrenergic reaction pattern in experimental diabetes mellitus. Endocrinology 93:752-5, Sep 73
*ALLOXAN DIABETES/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ COLD/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ IN VITRO/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RABBITS

811. **Cuatrecasas P:** Insulin receptor of liver and fat cell membranes. Fed Proc 32:1838-46, Aug 73
*ADIPOSE TISSUE, cytology/ BINDING SITES/ CELL MEMBRANE/ CHEMISTRY/ CHROMATOGRAPHY, AFFINITY/ DIABETES MELLITUS, metabolism/ GALACTOSIDASE, pharmacodynamics/ GLYCOPROTEINS, analysis/ HUMAN/ *INSULIN/ IODINE ISOTOPES/ KINETICS/ *LIVER, cytology/ NEURAMINIDASE, pharmacodynamics/ OBESITY/ PHOSPHOLIPASE, pharmacodynamics/ PREDNISONE, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ STARVATION/ TRYPSIN, pharmacodynamics

812. **Cuatrecasas P:** Cholera toxin-fat cell interaction and the mechanism of activation of the lipolytic response.
Biochemistry 12:3567-77, 28 Aug 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ALLOXAN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTITOXINS, pharmacodynamics/ *ENTEROTOXINS, metabolism/ ENTEROTOXINS, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ IODINE ISOTOPES/ *LIPIDS, metabolism/ MALE/ MEMBRANES, drug effects/ MEMBRANES, metabolism/ PROSTAGLANDINS, biosynthesis/ PROTEIN BINDING/ PROTEINS, biosynthesis/ RATS/ RECEPTORS, DRUG/ RNA, biosynthesis/ TETANUS TOXIN, pharmacodynamics/ *VIBRIO/ VIBRIO COMMA

813. **Cumming IA, Buckmaster JM, Blockey MA, et al:** Constancy of interval between luteinizing hormone release and ovulation in the ewe.
Biol Reprod 9:24-9, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CRONOLONE, pharmacodynamics/ ESTRUS/ FEMALE/ LH, blood/ *LH, blood/ LH, secretion/ MALE/ *OVULATION/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ SHEEP/ TIME FACTORS

814. **Cummins PA, Fox H, Langley FA:** An ultrastructural study of the nature and origin of the Brenner tumour of the ovary. J Pathol 110:167-76, Jun 73
BASEMENT MEMBRANE/ BLADDER, pathology/ BLADDER NEOPLASMS, pathology/ BRENNER TUMOR, etiology/ *BRENNER TUMOR, pathology/ CELL NUCLEUS/ COLLAGEN/ EPITHELIUM, pathology/ EXTRACELLULAR SPACE/ FEMALE/ GOLGI APPARATUS/ HUMAN/ LYSOSOMES/ METAPLASIA, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ PAPILLOMA, pathology/ RIBOSOMES/ STAINS AND STAINING

815. **Cundy JM:** The anti-dysrhythmic effect of Althesin
Anaesthesia 28:544-5, Sep 73
AGED/ ANESTHESIA, GENERAL/ ANESTHETICS, administration & dosage/ *ANESTHETICS, therapeutic use/ *ARRHYTHMIA, drug therapy/ DRUG COMBINATIONS/ HEART RATE, drug effects/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, therapeutic use/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, therapeutic use/ MALE/ PREGNANES, administration & dosage/ *PREGNANES, therapeutic use/ PROSTATECTOMY

816. **Cunningham NF, Hebert CN:** A solid-phase radioimmunoassay for ovine follicle-stimulating hormone. J Endocrinol 58:239-49, Aug 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *FSH, blood/ GEL FILTRATION/ HYDROGEN PEROXIDE/ IODINE ISOTOPES/ LH, blood/ METHODS/ PEROXIDASES/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ THYROTROPIN, blood

817. **Currie WB, Thorburn GD:** Induction of premature parturition in goats by prostaglandin F2 administered into the uterine vein. Prostaglandins 4:201-14, Aug 73
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GOATS/ INJECTIONS, INTRAVENOUS/ *LABOR, PREMATURE, chemically induced/ LACTATION/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS/ PROSTAGLANDINS,

administration & dosage/ PROSTAGLANDINS, blood/ TIME FACTORS/ UTERUS, blood supply

Curry DL, Bennett LL: Dynamics of insulin release by perfused rat pancreases: effects of hypophysectomy, growth hormone, adrenocorticotropic hormone, and hydrocortisone. Endocrinology 93:602-9, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CORTICOTROPIN, pharmacodynamics/ DIET/ GLUCOSE, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ *INSULIN, secretion/ MALE/ ORGAN WEIGHT/ *PANCREAS, secretion/ PERFUSION/ *PITUITARY GLAND, physiology/ RATS/ SECRETORY RATE/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

Curzon G: Enzyme activity changes relevant to the control of tryptophan metabolism.
Biochem J 130:50P-51P, Nov 72
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CIRCADIAN RHYTHM/ ENZYME INDUCTION/ HUMAN/ *HYDROXYLASES, metabolism/ MICE/ RATS/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism/ *TRYPTOPHAN OXYGENASE, metabolism

Curzon G, Kantamaneni BD, Winch J, et al: Plasma and brain tryptophan changes in experimental acute hepatic failure. J Neurochem 21:137-45, Jul 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CAUDATE NUCLEUS, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ HOMOVANILLIC ACID, cerebrospinal fluid/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, metabolism/ KINETICS/ LIGATION/ LIVER, blood supply/ LIVER DISEASES, blood/ *LIVER DISEASES, metabolism/ SEROTONIN, metabolism/ SWINE/ THALAMUS, metabolism/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism

Cuthbert AW, Wong PY: Effect of phospholipase C on calcium release from epithelia treated with antidiuretic hormone.
Br J Pharmacol 47:778-81, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BLADDER, metabolism/ BUFO MARINUS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ EPITHELIUM, drug effects/ EPITHELIUM, enzymology/ *EPITHELIUM, metabolism/ IN VITRO/ *PHOSPHOLIPASE, pharmacodynamics/ TIME FACTORS/ *VASOPRESSIN, pharmacodynamics

Cutler MG, Schneider R: Sensitivity of feeding tests in detecting carcinogenic properties in chemicals: examination of 7,12-dimethylbenz(a)anthracene and oxidized linoleate.
Food Cosmet Toxicol 11:443-57, Jun 73
ADENOCARCINOMA, chemically induced/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES, toxicity/ BODY WEIGHT, drug effects/ CERVIX NEOPLASMS, chemically induced/ DIET/ DRUG INTERACTIONS/ *LINOLEIC ACID, toxicity/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MICE/ OVARIAN NEOPLASMS, chemically induced/ RATS/ SARCOMA, chemically induced/ STEARIC ACID, pharmacodynamics

Czekanowski R, Mosler KH, Schwalm H: Untersuchungen über den Einfluss von Prostaglandin F2-alpha auf die Kontraktilität des Nichtschwangeren Menschlichen Uterus in vitro.
Z Geburtshilfe Perinatol 177:202-9, Jun 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IN VITRO/ MENSTRUATION/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects/ UTERUS, physiology

824. **Cześnin K:** Bandanin nad częstością występowania innych nowotwerów złośliwych u chorych na raka macicy.
Nowotwory 23:211-9, Jan-Jun 73 (Pol)
ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, occurrence/ *CERVIX NEOPLASMS, occurrence/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, occurrence/ SKIN NEOPLASMS, occurrence/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, occurrence

825. **Czygan PJ, Breckwoldt M, Lehmann F, et al:** LH-RH-test of pituitary function in ovarian insufficiencies.
Acta Endocrinol [Suppl] (Kbh) 173:89, 1973
DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, metabolism/ HUMAN/ LH, blood/ *OVARIAN DISEASES, diagnosis/ *PITUITARY GLAND, physiopathology/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use

D

826. **Daane TA, Dignam WJ, Frankland MV, et al:** Daily serum follicle-stimulating hormone, luteinizing hormone, and plasma testosterone and androstenedione in hirsute women with polycystic sclerotic ovaries: effects of diethylstilbestrol and norethindrone acetate.
Am J Obstet Gynecol 117:392-9, 1 Oct 73
ADULT/ ANDROSTENEDIONE, blood/ *DIETHYLSTILBESTROL, administration & dosage/ FEMALE/ *FSH, blood/ *HIRSUTISM, blood/ HUMAN/ *LH, blood/ MENSTRUATION DISORDERS, blood/ *NORETHINDRONE, administration & dosage/ OVARY, drug effects/ OVARY, secretion/ *STEIN-LEVENTHAL SYNDROME, blood/ *TESTOSTERONE, blood

827. **D'Abrera VS, Burke WJ, Bleasel KF, et al:** Carcinoma of the pituitary gland. J Pathol 109:335-43, Apr 73
ADULT/ AMENORRHEA, etiology/ AUTOPSY/ CARCINOMA, complications/ *CARCINOMA, pathology/ CEREBELLUM, pathology/ CRANIAL NERVES/ CUSHING'S SYNDROME/ FEMALE/ HUMAN/ LYMPH NODES, pathology/ MITOSIS/ NEOPLASM METASTASIS/ NOMENCLATURE/ OBESITY, etiology/ PITUITARY NEOPLASMS, classification/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, pathology/ SKULL, pathology/ SPHENOID BONE, pathology/ TIME FACTORS

828. **Dacke CG, Boelkins JN, Furr BJ, et al:** Plasma calcitonin and gonadal hormones in Japanese quail.
J Endocrinol 58:13-4, Jul 73
*ANDROGENS, blood/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CALCIUM, blood/ CASTRATION/ CYPROTERONE, pharmacodynamics/ FEMALE/ MALE/ OVULATION/ *QUAIL, physiology/ TESTOSTERONE, pharmacodynamics/ *THYROCALCITONIN, blood

829. **D'Alberton A, Reschini E, Giustina G, et al:** Plasma gonadotropin and ovarian steroid levels in uterovaginal atresia. A case report.
Am J Obstet Gynecol 117:389-91, 1 Oct 73
ADULT/ *ESTRADIOL, blood/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ LH, blood/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ *UTERUS, abnormalities/ *VAGINA, abnormalities

830. **Dale MM, Hedges JR:** The effect of carcinogens on immune responses in the guinea-pig.

Br J Exp Pathol 54:437-48, Aug 73
ANIMAL EXPERIMENTS/ AUTOIMMUNE DISEASES/ CARCINOGENS, administration & dosage/ *CARCINOGENS, pharmacodynamics/ GUINEA PIGS/ HYPERSENSITIVITY, DELAYED/ HYPERSENSITIVITY, IMMEDIATE/ *IMMUNITY, drug effects/ IMMUNOSUPPRESSION/ LYMPHOCYTES, immunology/ MALE/ METHOTREXATE, pharmacodynamics/ METHYLCHOLANTHRENE, pharmacodynamics/ NITROSAMINES, administration & dosage/ *NITROSAMINES, pharmacodynamics/ OVALBUMIN, pharmacodynamics/ TESTIS, immunology/ TIME FACTORS/ TUBERCULIN TEST

831. **Dallapiccola B:** Identificazione della formula dei cromosoma sesuali sui granulociti del sangue periferico.
Haematologica (Pavia) 58:219-26, 1973 (Ita)
BLOOD CELLS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKOCYTES, analysis/ MALE/ SEX CHROMATIN, analysis/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOMES, analysis

832. **Dallapiccola B:** Diagnosi di paternitá sui granulociti del sangue periferico: studio in fluorescenza con l'impiego di chinacrina.
Haematologica (Pavia) 58:227-32, 1973 (Ita)
ADOLESCENCE/ BLOOD GROUPS/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENCE/ HUMAN/ *LEUKOCYTES, analysis/ MALE/ *PATERNITY/ *QUINACRINE/ SEX CHROMATIN, analysis/ SEX CHROMOSOMES, analysis

833. **Dallapiccola B, Franceschini F:** Sul significato dei cosiddetti "small clubs" nei granulociti dei soggetti de sesso maschile.
Haematologica (Pavia) 58:233-8, 1973 (Ita)
ADOLESCENCE/ ADULT/ AGED/ CELL NUCLEUS, analysis/ ENGLISH ABSTRACT/ HUMAN/ *LEUKOCYTES, analysis/ MALE/ MIDDLE AGE/ QUINACRINE/ SEX CHROMATIN, analysis/ SEX CHROMOSOMES, analysis/ SEX FACTORS

834. **Dallapiccola B, Malacarne P:** Rapporto fra cromosoma Y e nucleolo nei linfociti del sangue periferico.
Haematologica (Pavia) 58:214-8, 1973 (Ita)
ADOLESCENCE/ BLOOD CELLS/ *CELL NUCLEOLUS/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOCYTES/ MALE/ MIDDLE AGE/ SEX CHROMATIN/ *SEX CHROMOSOMES

835. **Daly J, Fuxe K, Jonsson G:** Effects of intracerebral injections of 5,6-dihydroxytryptamine on central monoamine neurons: evidence for selective degeneration of central 5-hydroxytryptamine neurons. Brain Res 49:476-82, 30 Jan 73
ANIMAL EXPERIMENTS/ CEREBELLAR CORTEX, drug effects/ CEREBRAL CORTEX, drug effects/ CORPUS STRIATUM, drug effects/ DIBENZAZEPINES, pharmacodynamics/ DOPAMINE, physiology/ HYPOTHALAMUS, drug effects/ MALE/ MICROSCOPY, FLUORESCENCE/ *NERVE DEGENERATION, drug effects/ NEURAL TRANSMISSION, drug effects/ NEURONS, drug effects/ NIALAMIDE, pharmacodynamics/ NOREPINEPHRINE, physiology/ RATS/ REFLEX, MONOSYNAPTIC, drug effects/ *SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ SUBSTANTIA NIGRA, drug effects/ TRYPTOPHAN, pharmacodynamics

836. **Daly JR, Fleisher MR, Scott JT, et al:** The relationship between cortisol and adrenocorticotrophin levels in human plasma. J Endocrinol 58:ix, Jul 73
*CORTICOTROPIN, blood/ FEEDBACK/ HUMAN/ *HYDROCORTISONE, blood/ INSULIN, pharmacodynamics

837. **Daly JW, Huang M, Shimizu H:** Regulation of cyclic AMP levels in brain tissue.
Adv Cyclic Nucleotide Res 1:375-87, 1972
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesi *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENERGIC ALPH RECEPTOR BLOCKADERS, pharmacodynamic ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BIOGENIC AMINES, pharmacodynamics/ CARBON ISOTOPES/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ *CEREBRAL CORTEX, metabolism/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MODELS, BIOLOGICAL/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NEUROMUSCULAR DEPOLARIZING AGENTS pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ POTASSIUM, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRANQUILIZING AGENTS, pharmacodynamics

838. **Damany SJ, Bhatt GR:** Visken (LB-46) a double bli cross-over study in cardiac arrhythmias.
Indian Heart J 24:Suppl 1:211-2, Jun 72
*ARRHYTHMIA, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, drug therapy PINDOLOL, adverse effects/ *PINDOLOL, therapeutic use/ PLACEBOS/ PROPRANOLO therapeutic use

839. **Damas J:** Les "substances à action ralentie" (sl reacting substances, SRS). Revue bibliographiqu
Rev Med Liege 28:538-44, 1 Aug 73 (Fr
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BRONCH physiology/ CATS/ GUINEA PIGS/ HISTAMINE, physiology/ HUMAN/ ILEUM, physiology/ IMMUNOGLOBULINS/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, physiology/ PROSTAGLANDINS, physiology/ RABBITS/ SLOW REACTING SUBSTANCES, physiology/ SLOW REACTING SUBSTANCES, secretion/ SRS-A, pharmacodynamics/ SRS-A, secretion

840. **Damian A, Stoenescu D, Berceanu A, et al:** Feocromocitom cu hipertensiune arterialá permanentă şi crize paroxistice operat si vindecat. (legătură cu un caz clinic.
Stud Cercet Endocrinol 24:327-30, 1973 (Rur
*ADRENAL GLAND NEOPLASMS, complications/ ADRENALECTOMY/ ADULT/ FEMALE/ HUMAN/ *HYPERTENSION, etiology/ *PHEOCHROMOCYTOMA, complications

841. **Damico CF, Mebust WK, Valk WL, et al:** Triamcinolon adjuvant therapy for vesical neck contracture
J Urol 110:203-4, Aug 73
AGED/ *BLADDER NECK OBSTRUCTION, drug therapy/ BLADDER NECK OBSTRUCTION, etiology/ BLADDER NECK OBSTRUCTION, pathology/ BLADDER NECK OBSTRUCTION, surgery/ *CONTRACTURE, drug therapy/ CONTRACTURE, etiology/ CONTRACTURE, pathology/ CONTRACTURE, surgery/ ENDOSCOPY/ HUMAN/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PROSTATECTOMY, adverse effects/ PROSTATIC HYPERTROPHY, complications/ PROSTATIC HYPERTROPHY, surgery/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, therapeutic use/ URETHRA, surgery

842. **Dana M, Desprez-Curely JP, Baillet F, et al:** l'irradiation prophylactique du médiastin dans l lymphomes et les tumeurs du testicule.
J Radiol Electrol Med Nucl 54:159-65, Feb 73 (Fr
COBALT ISOTOPES, therapeutic use/ DISGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ *LYMPHATIC METASTASIS, prevention & control/ *LYMPHOMA, radiotherapy/ MALE/ *MEDIASTINAL NEOPLASMS, prevention & control/ *RADIOISOTOPE TELETHERAPY/

RADIOTHERAPY DOSAGE/ *TESTICULAR NEOPLASMS, radiotherapy

Daniel V, Bourne HR, Tomkins GM: Altered metabolism and endogenous cyclic AMP in cultured cells deficient in cyclic AMP-binding proteins. Nature [New Biol] 244:167-9, 8 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES/ CELLS, CULTURED/ HISTONES/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ LEUCINE, metabolism/ LYMPHOMA, enzymology/ *LYMPHOMA, metabolism/ MICE/ PHOSPHODIESTERASES, metabolism/ *PHOSPHOTRANSFERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

Daniel WA Jr: Hematocrit: maturity relationship in adolescence. Pediatrics 52:388-94, Sep 73
ADOLESCENCE/ ADULT/ BREAST, growth & development/ CHILD/ ETHNIC GROUPS/ FEMALE/ GENITALIA, FEMALE, growth & development/ GENITALIA, MALE, growth & development/ *GROWTH/ *HEMATOCRIT/ HUMAN/ INCOME/ MALE/ TESTIS, growth & development

Danilova LV: Ul'trastruktura i razvitie apirennykh i oligopirennykh spermatozoidov.
Izv Akad Nauk SSSR [Biol] 4:580-7, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, analysis/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MALE/ *MICROSCOPY, ELECTRON/ MOLLUSCA, cytology/ ORGANOIDS, analysis/ REVIEW/ *SEX CHROMATIN, analysis/ SILKWORMS, cytology/ SPERMATOGENESIS/ *SPERMATOZOA, cytology/ STERILITY, MALE, etiology

Dannies PS, Tashjian AR Jr: Effects of thyrotropin-releasing hormone and hydrocortisone on synthesis and degradation of prolactin in a rat pituitary cell strain. J Biol Chem 248:6174-9, 10 Sep 73
CLONE CELLS/ CYCLOHEXIMIDE, pharmacodynamics/ ELECTROPHORESIS, DISK/ *HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ LEUCINE, metabolism/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PRECIPITIN TESTS/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, biosynthesis/ *PROLACTIN, metabolism/ RABBITS, immunology/ RATS/ SODIUM DODECYL SULFATE/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TRITIUM

Dantzig P: Circulating antibodies in cicatricial pemphigoid. Arch Dermatol 108:264-6, Aug 73
*ANTIBODIES, analysis/ AZATHIOPRINE, therapeutic use/ BLISTER, drug therapy/ BLISTER, immunology/ CICATRIX/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MIDDLE AGE/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, immunology/ PREDNISONE, therapeutic use

Danutra V, Harper ME, Boyns AR, et al: Studies with stilboestrol analogues in relation to prostatic function. J Endocrinol 58:28-9, Jul 73
ANIMAL EXPERIMENTS/ *DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ MALE/ PROLACTIN, blood/ *PROSTATE, drug effects/ RATS/ TESTOSTERONE, metabolism/ TRITIUM

Danz M, Baumbach U: Studies on proliferative activity of adrenal cortex in liver regeneration following partial hepatectomy. Exp Pathol (Jena) 6:225-8, 1972
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ HEPATECTOMY/ LIVER, cytology/ *LIVER REGENERATION/ MALE/ MITOSIS/ RATS

850. **Danziger J, Bloch S:** Unilateral proptosis due to an intra-orbital schwannoma.
S Afr Med J 47:1358-60, 4 Aug 73
ANGIOGRAPHY/ CAROTID ARTERY, INTERNAL, radiography/ *EXOPHTHALMOS, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *NEURILEMMOMA, complications/ NEURILEMMOMA, radiography/ OPHTHALMIC ARTERY, radiography/ *ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, radiography/ PHLEBOGRAPHY

851. **Dao C, Pasquier G, Zittoun R, et al:** Purpura thrombopénique et hyperthyroïdie.
Ann Med Interne (Paris) 124:323-6, Apr 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBODIES/ ARRHYTHMIA, etiology/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, immunology/ HYPERTHYROIDISM, radiotherapy/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ PURPURA, THROMBOPENIC, blood/ PURPURA, THROMBOPENIC, drug therapy/ *PURPURA, THROMBOPENIC, etiology

852. **Da Prada M, O'Brien RA, Tranzer JP, et al:** The effect of 5,6-dihydroxytryptamine on uptake, storage and metabolism of 5-hydroxytryptamine by blood platelets. J Pharmacol Exp Ther 186:213-9, Aug 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ GUINEA PIGS/ HISTAMINE, metabolism/ IN VITRO/ MICROSCOPY, ELECTRON/ MONOAMINE OXIDASE, metabolism/ RABBITS/ RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ *TRYPTAMINES, pharmacodynamics/ TYRAMINE, metabolism

853. **Dargel D, Hock A, Busch S:** Uber den Einfluss des biologischen Wertes des Nahrungsproteins auf Phospholipide des Knochens.
Nahrung 17:517-25, 1973 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE AND BONES, drug effects/ BONE DEVELOPMENT, drug effects/ CHROMATOGRAPHY, THIN LAYER/ *DIETARY PROTEINS, pharmacodynamics/ ENGLISH ABSTRACT/ *PHOSPHOLIPIDS, analysis/ RATS

854. **Darragh A, Cullen J, Browne I:** Provision of specialised endocrine assays. Lancet 1:697, 25 Mar 72
*ENDOCRINOLOGY/ *HEALTH FACILITIES/ IRELAND

855. **Dathan JR, Johnson DB, Goodwin FJ:** The relationship between body fluid compartment volumes, renin activity and blood pressure in chronic renal failure.
Clin Sci 45:77-88, Jul 73
ADULT/ *BLOOD PRESSURE/ BLOOD VOLUME/ *BODY FLUIDS/ BODY WATER, analysis/ CHRONIC DISEASE/ ERYTHROCYTES/ EXTRACELLULAR SPACE/ FEMALE/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, metabolism/ *KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ PLASMA VOLUME/ *RENIN, blood/ SODIUM, analysis

856. **Dattachaudhuri M, Chatterjea JB:** Qualitative disorders of platelets--a report of two families.
Bull Calcutta Sch Trop Med 20:20-2, Apr 72
BLOOD PLATELET DISORDERS, drug therapy/ *BLOOD PLATELET

DISORDERS, familial & genetic/ FEMALE/ HUMAN/ MALE/ STEROIDS, therapeutic use

857. **Daunter B, Eistein M:** Serum levels of copper, caeruloplasmin and caeruloplasmin oxidase activity in women using copper-containing intrauterine devices and in women taking combined oral contraceptives. J Obstet Gynaecol Br Commonw 80:644-7, Jul 73
*CERULOPLASMIN, analysis/ *CONTRACEPTIVES, ORAL/ *COPPER, blood/ COPPER, metabolism/ ETHINYL ESTRADIOL/ FEMALE/ HUMAN/ IMMUNOELECTROPHORESIS/ *INTRAUTERINE DEVICES/ NORETHINDRONE/ *OXIDOREDUCTASES, blood/ SPECTRUM ANALYSIS

858. **David DS, Sakai S, Granda J, et al:** Role of pyrophosphate in renal osteodystrophy. Trans Am Soc Artif Intern Organs 19:440-5, 1973
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, administration & dosage/ CALCIUM, blood/ CHILD/ FEMALE/ HEMODIALYSIS/ HUMAN/ INJECTIONS, INTRAVENOUS/ KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, metaboli-m/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ PHOSPHATES, blood/ PHOSPHATES, urine/ PHOSPHORUS ISOTOPES/ PYROPHOSPHATES, blood/ *PYROPHOSPHATES, metabolism/ PYROPHOSPHATES, urine/ *RENAL OSTEODYSTROPHY, metabolism/ RENAL OSTEODYSTROPHY, radiography/ TRANSPLANTATION, HOMOLOGOUS

859. **David DS, Sakai S, Brennan BL, et al:** Hypercalcemia after renal transplantation. Long-term follow-up data. N Engl J Med 289:398-401, 23 Aug 73
ADMINISTRATION, ORAL/ CALCIUM, blood/ FOLLOW-UP STUDIES/ GUINEA PIGS, immunology/ HUMAN/ HYPERCALCEMIA, drug therapy/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, SECONDARY, etiology/ IMMUNE SERUMS/ *KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, blood/ PHOSPHATES, administration & dosage/ PHOSPHATES, blood/ PHOSPHATES, therapeutic use/ *POSTOPERATIVE COMPLICATIONS/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

860. **David GF, Herbert J, Wright GD:** The ultrastructure of the pineal ganglion in the ferret. J Anat 115:79-97, May 73
ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ AXONS/ *CARNIVORA, anatomy & histology/ CHOLINESTERASE, analysis/ DENDRITES/ ENDOPLASMIC RETICULUM/ *GANGLIA, anatomy & histology/ GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ PERFUSION/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, enzymology/ RIBOSOMES/ SYNAPSES

861. **David M:** Le passage de l'enfance à l'adolescence. I. Untroduction. Probl Actuels Endocrinol Nutr 16:5-8, 3 May 73 **(Fre)**
*ADOLESCENCE/ ANTHROPOMETRY/ BODY HEIGHT/ *CHILD/ FEMALE/ *GROWTH/ HUMAN/ MALE/ PUBERTY/ SEX CHARACTERISTICS

862. **Davidoff F, Tishler S, Rosoff C:** Marked hyperlipidemia and pancreatitis associated with oral contraceptive therapy. N Engl J Med 289:552-5, 13 Sep 73
ACUTE DISEASE/ ADULT/ CHYLOMICRONS, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ DIMETHISTERONE, adverse effects/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ HYPERLIPEMIA, blood/ *HYPERLIPEMIA, chemically induced/ HYPERLIPEMIA, complications/ HYPERLIPEMIA, familial & genetic/ MALE/ MESTRANOL, adverse effects/ MIDDLE AGE/ NORETHINDRONE, adverse effects/ *PANCREATITIS, chemically induced/ TRIGLYCERIDES, blood

863. **Davidson MB, Van Herle AJ:** Technical problems with agarose-hormone linkage. N Engl J Med 289:695-6, 27 Sep 73
*INSULIN, analysis/ *POLYSACCHARIDES/ *RECEPTORS, HORMONE

864. **Davies J, Hoffman LH:** Studies on the progestational endometrium of the rabbit. I. Light microscopy, day 0 to day 13 of gonadotrophin-induced pseudopregnancy. Am J Anat 137:423-45, Aug 73
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, cytology/ EPITHELIAL CELLS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ LEUKOCYTES/ MICROSCOPY, ELECTRON/ MITOSIS/ MUCOUS MEMBRANE, cytology/ NIDATION/ PREGNANCY/ *PROGESTERONE/ *PSEUDOPREGNANCY/ RABBITS/ TIME FACTORS

865. **Davies JD:** Behçet's syndrome with haemoptysis and pulmonary lesions. J Pathol 109:351-6, Apr 73
ADRENAL MEDULLA, pathology/ ADULT/ *BEHCET'S SYNDROME, complications/ BEHCET'S SYNDROME, pathology/ CYTOPLASMIC GRANULES/ *HEMOPTYSIS, complications/ HUMAN/ *LUNG DISEASES, complications/ LUNG DISEASES, pathology/ MALE/ PULMONARY ARTERY, pathology/ PULMONARY VEINS, pathology/ THROMBOSIS, complications/ VASCULAR DISEASES, complications

866. **Davila D, Palaić D, Rabadija M, et al:** Drug-induced changes of 5-hydroxyindoles in central nervous system in the rats. Acta Med Iugosl 27:261-9, 197
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN, metabolism/ CHLORPROMAZINE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IMIPRAMINE, pharmacodynamics/ *INDOLES, metabolism/ IPRONIAZID, pharmacodynamics/ MALE/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism

867. **Davis M, Simmons CJ, Dordoni B, et al:** Induction o hepatic enzymes during normal human pregnancy J Obstet Gynaecol Br Commonw 80:690-4, Aug 7
ADIPIC ACID, urine/ ALCOHOL OXIDOREDUCTASES, metabolism/ CONTRACEPTIVES, ORAL/ ENZYME INDUCTION, drug effects/ FEMALE/ GLUCOSE/ GLUCURONATES, metabolism/ HUMAN/ LACTONES, metabolism/ *LIVER, enzymology/ MICROSOMES, LIVER, enzymology/ *PREGNANCY/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ PUERPERIUM/ STIMULATION, CHEMICAL/ TIME FACTORS/ URIDINE DIPHOSPHATE SUGARS, metabolism

868. **Davis RA, Koshy KT, Ogilvie ML, et al:** Electron captur gas chromatographic determination of melengestro acetate in animal feed supplements. J Assoc Off Anal Chem 55:103-9, Jan 72
*ANIMAL FEED, analysis/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FOOD ADDITIVES, analysis/ MELENGESTROL, analysis/ METHODS/ *PREGNADIENES, analysis/ *PROGESTATIONAL HORMONES, analysis

869. **Davis Z, Moertel CG, McIlrath DC:** The malignar carcinoid syndrome. Surg Gynecol Obstet 137:637-44, Oct 73
ADULT/ AGED/ APPENDICEAL NEOPLASMS complications/ DIARRHEA, etiology/ ERYTHEMA, etiology/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ INTESTINAL NEOPLASMS, complications/

MALE/ *MALIGNANT CARCINOID SYNDROME/ MALIGNANT CARCINOID SYNDROME, complications/ MALIGNANT CARCINOID SYNDROME, diagnosis/ MALIGNANT CARCINOID SYNDROME, etiology/ MALIGNANT CARCINOID SYNDROME, therapy/ MIDDLE AGE/ NEOPLASM METASTASIS/ RECTAL NEOPLASMS, complications/ SEROTONIN/ SKIN MANIFESTATIONS/ SURVIVAL/ TELANGIECTASIS, etiology

Davydova TB: Vliianie tetrametiltiuramdisul'fida na estral'nyi tsikl i detorodnuiu funktsiiu zhivotnykh pri ingaliatsionnom vozdeistvii.
Gig Sanit 38:108-10, Apr 73 **(Rus)**
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ PREGNANCY/ RATS/ *REPRODUCTION, drug effects/ RESPIRATION/ *THIOCARBAMATES, pharmacodynamics/ THIRAM, pharmacodynamics/ TIME FACTORS

Dawson RM, Clarke NG: A comparison of D-inositol 1:2-cyclic phosphate 2-phosphohydrolase with other phosphodiesterases of kidney.
Biochem J 134:59-67, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CYCLIC P-OXIDES/ GLYCERYLPHOSPHORYLCHOLINE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ IN VITRO/ INOSITOL/ KIDNEY, anatomy & histology/ KIDNEY, cytology/ *KIDNEY, enzymology/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ KIDNEY TUBULES, PROXIMAL, enzymology/ MICE/ *PHOSPHODIESTERASES, analysis/ RATS/ SOLUBILITY/ SPECIES SPECIFICITY/ SUBCELLULAR FRACTIONS, enzymology/ ULTRACENTRIFUGATION

Dawson RM, Crone HD: Inorganic ion effects on the kinetic parameters of acetylcholinesterase.
J Neurochem 21:247-9, Jul 73
*ACETYLCHOLINESTERASE, antagonists & inhibitors/ ACETYLCHOLINESTERASE, blood/ CALCIUM CHLORIDE/ CATTLE/ CHLORIDES/ *ERYTHROCYTES, enzymology/ KINETICS/ MAGNESIUM/ NITRATES/ OSMOLAR CONCENTRATION/ POTASSIUM/ POTASSIUM CHLORIDE/ POTASSIUM IODIDE/ SODIUM CHLORIDE/ SULFATES/ THIOCYANATES

Debreceni L, Csete B: The role of a feedback mechanism in the regulation of aldosterone secretion in the rat.
Acta Endocrinol (Kbh) 73:282-8, Jun 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DESOXYCORTICOSTERONE, pharmacodynamics/ DIET, SALT-FREE/ *FEEDBACK/ MALE/ RATS

Deck KA: Eine einfache radioimmunologische Methode zur Bestimmung der Aldosteronausscheidung im Urin. Verh Dtsch Ges Inn Med 78:1605-7, 1972 **(Ger)**
*ALDOSTERONE, urine/ HUMAN/ METHODS/ RADIOIMMUNOASSAY

De Clerck FF, Reneman RS: Effect of lidoflazine (R 7904) on uptake and release of serotonin by human platelets in vitro.
Naunyn Schmiedebergs Arch Pharmacol 278:261-9, 1973
BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ DIPYRIDAMOLE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ HUMAN/ IN VITRO/ LIDOFLAZINE, pharmacodynamics/ MALE/ PAPAVERINE, pharmacodynamics/ *PIPERAZINES, pharmacodynamics/ *SEROTONIN, blood/ TEMPERATURE/ TIME FACTORS/ *VASODILATOR AGENTS, pharmacodynamics

876. **DeCoteau WE, Gerrard JW, Cunningham TA:** Glomerulitis in dermatitis herpetiformis.
Lancet 2:679-80, 22 Sep 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ DAPSONE, therapeutic use/ DERMATITIS HERPETIFORMIS, complications/ *DERMATITIS HERPETIFORMIS, immunology/ FEMALE/ GLOMERULONEPHRITIS, complications/ HEMATURIA, drug therapy/ HUMAN/ IMMUNE COMPLEX DISEASE/ KIDNEY DISEASES, etiology/ *KIDNEY GLOMERULUS/ PROTEINURIA, drug therapy/ PRURITUS, drug therapy

877. **Dedov II:** Transdifferentsirovka kletok promezhutochnoi doli gipofiza.
Izv Akad Nauk SSSR [Biol] 3:421-5, May-Jun 72 **(Rus)**
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION, drug effects/ ENGLISH ABSTRACT/ MALE/ METYRAPONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RATS/ TIME FACTORS

878. **Dedov II:** Ul'trastruktura neirotsitov infundibuliarnogo iadra gipotalamusa u ptits.
Izv Akad Nauk SSSR [Biol] 4:568-73, Jul-Aug 72 **(Rus)**
ANIMAL EXPERIMENTS/ *BIRDS, anatomy & histology/ ENGLISH ABSTRACT/ GOLGI APPARATUS, analysis/ *HYPOTHALAMUS, cytology/ *MICROSCOPY, ELECTRON/ *NEURONS, cytology/ PIGEONS

879. **DeFrance JF, Kitai ST, McCrea RA, et al:** Excitatory effects of 5-hydroxytryptamine in the hippocampal-septal circuit.
Brain Res 58:245-50, 17 Aug 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *HIPPOCAMPUS, drug effects/ INHIBITION, NEURAL, drug effects/ INTERNEURONS, drug effects/ NEURAL INTERCONNECTIONS, drug effects/ *NEURAL TRANSMISSION, drug effects/ SEPTAL NUCLEI, drug effects/ *SEPTUM PELLUCIDUM, drug effects/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL

880. **De Genness JL, Goust JM, Berthaux P:** Mise en évidence de processus pathologiques autoimmunitaires au cours des pantélé-endocrinoses et des poly-endocrinopathies. A propos de quatre observations.
Ann Endocrinol (Paris) 34:31-9, Jan-Feb 73 **(Fre)**
*ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, immunology/ ADULT/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ CELL MIGRATION INHIBITION/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ *HYPOGONADISM, complications/ HYPOGONADISM, immunology/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, immunology/ MALE/ MIDDLE AGE/ PEDIGREE

881. **DeGirolami U, Schmidek H:** Clinicopathological study of 53 tumors of the pineal region.
J Neurosurg 39:455-62, Oct 73
ADULT/ *BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiotherapy/ BRAIN NEOPLASMS, surgery/ CEREBRAL VENTRICLE NEOPLASMS, pathology/ CEREBRAL VENTRICLE NEOPLASMS, radiotherapy/ CEREBRAL VENTRICLE NEOPLASMS, surgery/ CEREBROSPINAL FLUID SHUNTS/ DISGERMINOMA, pathology/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ FEMALE/ GLIOMA, pathology/ GLIOMA, surgery/ HUMAN/ MALE/ PINEAL BODY, pathology/ PINEAL BODY, surgery/ *PINEALOMA, pathology/ PINEALOMA, radiotherapy/ PINEALOMA,

surgery/ TERATOID TUMOR, pathology/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery

882. **De Gula D, Mendlowitz M, Russo C, et al:** The effect of trimazosin in essential hypertension.
Curr Ther Res 15:339-48, Jul 73
AGED/ CLINICAL RESEARCH/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, secretion/ NORMETANEPHRINE, urine/ PIPERAZINES, adverse effects/ *PIPERAZINES, therapeutic use/ PLACEBOS/ POSTURE/ QUINAZOLINES, adverse effects/ *QUINAZOLINES, therapeutic use/ RENIN, blood/ SECRETORY RATE, drug effects/ TRITIUM/ *VASOMOTOR SYSTEM, drug effects

883. **Dehner LP:** Metastatic and secondary tumors of the vulva. Obstet Gynecol 42:47-57, Jul 73
ADENOCARCINOMA, pathology/ ADULT/ AGED/ BREAST NEOPLASMS, pathology/ CARCINOMA, DUCTAL, pathology/ CARCINOMA, EPIDERMOID, pathology/ CARCINOMA, TRANSITIONAL CELL, pathology/ CERVIX NEOPLASMS, pathology/ ENDOMETRIUM/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ KIDNEY NEOPLASMS, pathology/ LYMPHOMA, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, pathology/ SARCOMA, OSTEOGENIC, pathology/ URETERAL NEOPLASMS, pathology/ UTERINE NEOPLASMS, pathology/ VAGINAL NEOPLASMS, pathology/ *VULVAR NEOPLASMS

884. **DeLeenheer A, Sinsheimer JE, Burckhalter JH:** Fluorometric determination of primary and secondary aliphatic amines by reaction with 9-isothiocyanatoacridine.
J Pharm Sci 62:1370-1, Aug 73
*ACRIDINES/ *AMINES, analysis/ AMINES, isolation & purification/ AMPHETAMINE, analysis/ CHROMATOGRAPHY, THIN LAYER/ FLUOROMETRY/ INDICATORS AND REAGENTS/ METHODS/ SOLUTIONS/ *THIOCYANATES

885. **DeLellis RA, Balogh K:** Histochemical characteristics of parafollicular cells and medullary thyroid carcinoma. Am J Pathol 72:119-28, Jul 73
ANIMAL EXPERIMENTS/ *CARCINOMA, pathology/ DOGS/ HISTOLOGICAL TECHNICS/ STAINS AND STAINING/ *THYROID NEOPLASMS, pathology

886. **Del Greco F, Simon NM:** Renin activity and peripheral resistance in hypertensive uremics on chronic dialysis.
Trans Am Soc Artif Intern Organs 19:293-7, 1973
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ CREATININE, blood/ FEMALE/ HEART RATE/ HEMATOCRIT/ *HEMODIALYSIS/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ HYPERTENSION, prevention & control/ NEPHRECTOMY/ PLASMA VOLUME/ PULSE/ *RENIN, blood/ UREMIA, blood/ *UREMIA, physiopathology/ *VASCULAR RESISTANCE

887. **Delhumeau-Ongay G, Trejo-Bayona R, Alvarez-Buylla R, et al:** Increase of (Ca2+--Mg2+)-adenosine triphosphatase activity in rat testis undergoing regression of the germinal epithelium.
J Reprod Fertil 34:149-53, Jul 73
*ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CALCIUM/ FLUOROACETATES, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOPHYSECTOMY/ MAGNESIUM/ MALE/ ORGANOMETALLIC COMPOUNDS/ RATS/ *SPERMATOGENESIS/ SPERMATOGENESIS, drug effects/ *TESTIS, enzymology

888. **Delius L:** Flushartiges Erythem.
Dtsch Med Wochenschr 98:1512, Aug 73 (Ger
ADULT/ ALCOHOL, ETHYL, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ ERYTHEMA, chemically induced/ ERYTHEMA, drug therapy/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ METHYSERGIDE, therapeutic use

889. **Delling G, Schulz A, Stahnke N, et al:** Histomorphometric investigation of cancellous bon in acromegaly.
Acta Endocrinol [Suppl] (Kbh) 173:101, 1973
*ACROMEGALY, pathology/ ACROMEGALY, therapy/ *BONE AND BONES, pathology/ BONE RESORPTION/ FEMALE/ HUMAN/ MALE/ OSTEOCLASTS, metabolism/ PITUITARY NEOPLASMS, surgery

890. **Delorenzo RJ, Greengard P:** Activation by adenosin 3':5'-monophosphate of a membrane-bound phosphoprotein phosphatase from toad bladder
Proc Natl Acad Sci USA 70:1831-5, Jun 73
ADENOSINE, pharmacodynamics/ *ADENOSIN CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BLADDER, enzymology/ BUFO MARINUS/ EDTA, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ EPITHELIUM, enzymology/ IN VITRO/ PHOSPHATASES, antagonists & inhibitors/ *PHOSPHATASES, metabolism/ PHOSPHOPROTEINS/ PHOSPHORUS ISOTOPES/ PROTEIN KINASE, antagonists & inhibitors/ ZINC, pharmacodynamics

891. **Delpino A, Ferrini U:** Protein synthesis stimulation i rat liver by chloroquine.
Experientia 28:1061-2, 15 Sep 72
ADRENALECTOMY/ ANIMAL EXPERIMENTS CARBON ISOTOPES/ CELL FRACTIONATION *CHLOROQUINE, pharmacodynamics/ CYTOPLASM, metabolism/ LEUCINE, metabolism/ LIVER, cytology/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ OROTIC ACID, metabolism/ PHENYLALANINE, metabolism/ POLYRIBOSOMES, metabolism/ *PROTEINS, biosynthesis/ RATS/ RNA, MESSENGER, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ TRITIUM

892. **DeLuca HG:** New ideas on vitamin D.
Br Med J 2:662, 16 Jun 73
ANIMAL EXPERIMENTS/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ PARATHYROID HORMONE, physiology/ PHOSPHATES, blood

893. **De Matteis F:** Insufficienza ipofisaria pluristimulinic (transitoria?) da beta 1-24 corticotropina sintetica i soggetto con precedente grave sofferenza cerebral neonatale. Minerva Pediatr 25:821-5, 26 May 73 (Ita
*BRAIN DISEASES, drug therapy/ CONVULSIONS, complications/ *CORTICOTROPIN, adverse effects/ CORTICOTROPIN, therapeutic use/ HUMAN/ HYPOGLYCEMIA, complications/ HYPOPITUITARISM, chemically induced/ INFANT/ *INFANT, NEWBORN, DISEASES/ MALE/ *PITUITARY DISEASES, chemically induced

894. **Demisch K, Magnet W, Neubauer M, et al:** Unconjugated 5-androstene-3beta, 17beta-diol in human plasma.
Acta Endocrinol [Suppl] (Kbh) 173:113, 1973
ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLANDS/ *ANDROSTENES, blood/ ANDROSTENES, metabolism/ CHROMATOGRAPHY, PAPER/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HIRSUTISM, blood/ HUMAN/ HYPERPLASIA, blood/ HYPOGONADISM, blood/ MALE/ METHODS/ PROTEIN BINDING/ TESTOSTERONE, blood/ VIRILISM, blood

895. **Demisch K, Magnet W, Neubauer M, et al:** Uber ein

Erweiterung der Gonaden-Nebennierenrindendiagnostik durch gleichzeitige Messung von Testosteron, 5a-Dihydrotestosteron und Androstendiol im menschlichen Plasma.
Verh Dtsch Ges Inn Med 78:1535-7, 1972 (Ger)
*ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADULT/ *ANDROGENS, blood/ FEMALE/ HIRSUTISM, blood/ HUMAN/ *17-KETOSTEROIDS, blood/ MALE/ METHODS/ *TESTOSTERONE, blood

Demski LS: Feeding and aggressive behavior evoked by hypothalamic stimulation in a cichlid fish.
Comp Biochem Physiol [A] 44:685-92, 1 Mar 73
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR/ *FISHES/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MALE/ SPECIES SPECIFICITY/ TIME FACTORS

Denis F: Exploration clinique et diagnostic différentiel de l'ostéoporose.
Rev Med Liege 28:492-7, 15 Jul 73 (Fre)
ADULT/ AGE FACTORS/ AGED/ CALCIUM, blood/ CALCIUM, urine/ CALCIUM METABOLISM DISORDERS, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FRACTURES, etiology/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ PHOSPHORUS, blood/ PHOSPHORUS, urine/ SEX FACTORS/ VITAMIN D DEFICIENCY, complications

Denis G, Kuczerpa A, Nikolaiczuk N: Stimulation of bone resorption by increasing dietary protein intake in rats fed diets low in phosphorus and calcium.
Can J Physiol Pharmacol 51:539-48, Jul 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM, urine/ DIET/ DIETARY PROTEINS, administration & dosage/ *DIETARY PROTEINS, pharmacodynamics/ EPIPHYSES, anatomy & histology/ MAGNESIUM, metabolism/ MALE/ PARATHYROID GLANDS, metabolism/ PARATHYROID GLANDS, physiology/ PHOSPHORUS, blood/ PHOSPHORUS, metabolism/ *PHOSPHORUS, pharmacodynamics/ RATS/ THYROXINE, pharmacodynamics/ TIME FACTORS/ ULTIMOBRANCHIAL BODY, metabolism

Denney JD, Sherrard DJ, Nelp WB, et al: Total body calcium and long-term calcium balance in chronic renal disease.
J Lab Clin Med 82:226-40, Aug 73
ADULT/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ BONE AND BONES, pathology/ BONE RESORPTION/ CALCINOSIS, radiography/ CALCIUM, blood/ *CALCIUM, metabolism/ FEMALE/ FRACTURES, SPONTANEOUS, etiology/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ PHOSPHATES, blood/ TIME FACTORS/ TUBERCULOSIS, OSTEOARTICULAR, complications

Dent CE, Round JM, Rowe DJ, et al: Effect of chapattis and ultraviolet irradiation on nutritional rickets in an Indian immigrant.
Lancet 1:1282-4, 9 Jun 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ BODY HEIGHT/ CALCIUM, blood/ CALCIUM, metabolism/ CAUCASIAN RACE/ *CEREALS/ CHOLECALCIFEROL, biosynthesis/ *DIET/ EMIGRATION AND IMMIGRATION/ ENGLAND/ HUMAN/ INDIA/ MALE/ PIGMENTATION/ *RICKETS/ RICKETS, blood/ RICKETS, drug therapy/ RICKETS, enzymology/ RICKETS, etiology/ RICKETS, metabolism/ RICKETS, radiotherapy/ *ULTRAVIOLET THERAPY/ VEGETARIANISM/ VITAMIN D, administration & dosage/ VITAMIN D, metabolism/ VITAMIN D, therapeutic use

901. **Denton MD, Glazer HS, Zellner DC, et al:** Gas-chromatographic measurement of urinary polyamines in cancer patients.
Clin Chem 19:904-7, Aug 73
CHROMATOGRAPHY, GAS/ *HODGKIN'S DISEASE, urine/ HUMAN/ LEUKEMIA, MYELOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, urine/ METHODS/ *POLYAMINES, urine/ PREDNISONE, therapeutic use/ PUTRESCINE, urine/ SPERMIDINE, urine/ SPERMINE, urine/ VINCRISTINE, therapeutic use

902. **Denzler U:** Zur Gonadotropinbehandlung aus der Sicht des praktizierenden Gynäkologen.
Geburtshilfe Frauenheilkd 33:581-3, Jul 73 (Ger)
ADULT/ AMENORRHEA, drug therapy/ CYCLOFENIL, therapeutic use/ DYDROGESTERONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, therapeutic use/ HUMAN/ INFANT, NEWBORN/ OVULATION/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ TEMPERATURE/ TWINS

903. **Depisch D, Dinstl K, Keminger K:** Das Schilddrüsensarkom im Endemiegebiet.
Bruns Beitr Klin Chir 220:397-404, Jul 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ENGLISH ABSTRACT/ FEMALE/ GOITER, drug therapy/ HEMANGIOENDOTHELIOMA, occurrence/ HUMAN/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ PROGNOSIS/ *SARCOMA/ SARCOMA, diagnosis/ SARCOMA, prevention & control/ SEX FACTORS/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, prevention & control

904. **Deplante JP, Meunier P, Saubier E, et al:** Cancer pancréatique avec sécrétion d'action parathormonale. Deux nouvelles observations.
Sem Hop Paris 49:2289-99, 10 Jul 73 (Fre)
ADENOCARCINOMA, complications/ *ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, pathology/ AUTOPSY/ BIOPSY/ BONE RESORPTION/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ ILIUM, pathology/ MALE/ MIDDLE AGE/ PANCREATIC NEOPLASMS, complications/ *PANCREATIC NEOPLASMS, metabolism/ PANCREATIC NEOPLASMS, pathology/ PARATHYROID HORMONE, blood

905. **Derrick FC Jr:** Cancer of the prostate and other prostatic problems.
Postgrad Med 54:123-6, Oct 73
ACID PHOSPHATASE, blood/ AGED/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ BIOPSY, NEEDLE/ BONE MARROW EXAMINATION/ CASTRATION/ CRYOGENIC SURGERY/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ PROSTATECTOMY/ *PROSTATIC DISEASES/ PROSTATIC HYPERTROPHY, therapy/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, surgery/ PROSTATITIS, therapy/ RADIOISOTOPE SCANNING/ STEROIDS, therapeutic use/ THORACIC RADIOGRAPHY

906. **Desai SM, Sehgal PB, Nanavati AN, et al:** A rabies-induced serum factor inhibiting Rous sarcoma virus in chicks.
J Gen Virol 19:285-93, Jun 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ CHICKENS/ DACTINOMYCIN, pharmacodynamics/ HEAT/ HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MALE/ MICE/ *RABIES VIRUS/ *ROUS SARCOMA, prevention & control/ *ROUS SARCOMA VIRUS, drug effects/ VACCINATION/ VIRUS

INHIBITORS, antagonists & inhibitors/ *VIRUS INHIBITORS, pharmacodynamics/ WING

907. **Desbuquois B, Cuatrecasas P:** Insulin receptors.
Annu Rev Med 24:233-40, 1973 (56 ref.)
ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ BINDING SITES/ CELL MEMBRANE, metabolism/ CELL TRANSFORMATION, NEOPLASTIC/ CONCANAVALIN A, pharmacodynamics/ HUMAN/ *INSULIN, metabolism/ INSULIN, physiology/ INSULIN RESISTANCE/ IODINE ISOTOPES/ LIVER, enzymology/ MITOGENS, metabolism/ NEURAMINIDASE, metabolism/ RECEPTORS, HORMONE/ *RECEPTORS, HORMONE/ REVIEW

908. **Desgres J, Begue RJ, Padieu P:** Analyse qualitative et quantitative des 17-oxosteroides et des 20-hydroxy-21-desoxysteroides urinaires par chromatographie gaz-liquide et par spectrometrie de masse.
Clin Chim Acta 46:277-96, 14 Jul 73 (Fre)
*ANDROSTANES, urine/ ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, isolation & purification/ MASS SPECTRUM ANALYSIS/ METHODS/ PREGNANEDIOL, urine/ *PREGNANES, urine/ PREGNANETRIOL, urine/ SNAILS/ SNAILS, enzymology/ STEREOISOMERS/ STEROIDS, isolation & purification/ *STEROLS, urine/ TRITIUM

909. **Desiraju T:** Effect of intraventricularly administered prostaglandin E1 on the electrical activity of cerebral cortex and behavior in the unanesthetized monkey.
Prostaglandins 3:859-70, Jun 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *CEREBRAL CORTEX, drug effects/ CEREBRAL VENTRICLES/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ ELECTROOCULOGRAPHY/ EVOKED POTENTIALS/ INJECTIONS/ MACACA/ MONKEYS/ MOTOR ACTIVITY, drug effects/ MOVEMENT DISORDERS, chemically induced/ NEURONS, drug effects/ POSTURE, drug effects/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ SLEEP, drug effects/ SYNAPSES, drug effects/ THALAMIC NUCLEI/ TIME FACTORS/ TREMOR, chemically induced/ VOCALIZATION, ANIMAL, drug effects/ WAKEFULNESS, drug effects

910. **Desjardins C, Ewing LL, Irby DC:** Response of the rabbit seminiferous epithelium to testosterone administered via polydimethylsiloxane capsules.
Endocrinology 93:450-60, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CAPSULES/ EPITHELIUM, drug effects/ LH, blood/ MALE/ ORGAN WEIGHT/ POLYMERS/ PROSTATE, drug effects/ RABBITS/ SEMINAL VESICLES, drug effects/ SILICON/ *SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

911. **De Souza SW, Adlard BP:** Growth of suckling rats after treatment with dexamethasone or cortisol. Implications for steroid therapy in human infants.
Arch Dis Child 48:519-22, Jul 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ BODY WEIGHT, drug effects/ BRAIN, growth & development/ BRAIN, metabolism/ CEREBELLUM, drug effects/ *DEXAMETHASONE, pharmacodynamics/ DIENCEPHALON, drug effects/ DNA, metabolism/ GLUCOCORTICOIDS, therapeutic use/ *GROWTH, drug effects/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ ORGAN WEIGHT/ RATS/ TELENCEPHALON, drug effects/ THYMUS GLAND, drug effects/ THYMUS GLAND, growth & development

912. **De Torrenté A, Scherrer JR:** Study of the distribution of plasma calcium in 500 patients with mental disturbances. Helv Med Acta 37:31-6, 1973
ADULT/ *CALCIUM, blood/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ MALE/ *MENTAL DISORDERS, blood/ MENTAL DISORDERS, complications/ MIDDLE AGE/ PROBABILITY/ SAMPLING STUDIES/ SEX FACTORS

913. **Devictor-Vuillet M, Luciani JM, Stahl A:** Individualisation d'un stade préleptotène de condensation chromosomique dans l'ovocyte de lapine.
C R Acad Sci [D] (Paris) 276:2453-6, 25 Apr 73 (F
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ FEMALE/ MEIOSIS/ *OVARY, cytology/ *OVUM/ RABBITS/ TIME FACTORS

914. **Devine CJ Jr, Horton CE:** Chordee without hypospad
J Urol 110:264-71, Aug 73
HUMAN/ HYPOSPADIAS/ INFANT, NEWBORN/ MALE/ METHODS/ *PENIS, abnormalities/ PENIS, embryology/ PENIS, surgery/ POSTOPERATIVE COMPLICATION SUTURES/ TESTIS, embryology/ *URETHRA, abnormalities/ URETHRA, embryology/ URETHRA, surgery/ URETHRAL DISEASES etiology/ URETHRAL STRICTURE, etiology/ URINARY FISTULA, etiology

915. **Devoino LV, Idova GV:** Influence of some drugs on immune response. IV. Effect of serotonin, 5-hydroxytryptophan, iproniazid and p-chlorphenylalanine on the synthesis of IgM and antibodies. Eur J Pharmacol 22:325-31, Jun
ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ CATTLE, immunology/ GEL FILTRATION/ HEMAGGLUTINATION TESTS/ *HYDROXYTRYPTOPHAN, pharmacodynamic *IGG, biosynthesis/ *IGM, biosynthesis/ IMMUNE ADHERENCE REACTION/ IMMUNIZATION/ IMMUNIZATION, SECONDARY/ IMMUNOLOGIC MEMORY, dr effects/ *IPRONIAZID, pharmacodynamics/ KINETICS/ LYMPH NODES, immunology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ PROTEINS, analysis/ *SEROTONIN, pharmacodynamics/ SERUM ALBUMIN, BOVINE/ TIME FACTORS

916. **Devynck MA, Pernollet MG, Meyer P, et al:** Angioter receptors in smooth muscle cell membranes
Nature [New Biol] 245:55-8, 12 Sep 73
ADENOSINE TRIPHOSPHATASE, metabolism ADENYL CYCLASE, metabolism/ AMINO ACID SEQUENCE/ ANGIOTENSIN, analysis/ *ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ AORTA, cytology/ AORTA, metabolism/ BINDING, COMPETITIVE/ BINDING SITES/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ IN VITRO/ MICROSOMES, enzymology/ *MICROSOMES, metabolism/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, metabolism/ NUCLEOTIDASES, metabolism/ PROTEIN CONFORMATION/ RABBITS/ *RECEPTORS, DRUG/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ VASOPRESSIN, metabolism

917. **Dewey WC:** Confirmation of lesions having potential for forming chromosomal aberratio
Int J Radiat Biol 22:95-7, Jul 72
ANIMAL EXPERIMENTS/ CELL LINE/

*CHROMOSOME ABERRATIONS/ FEMALE/ HAMSTERS/ MITOSIS/ OVARY, radiation effects/ *RADIATION EFFECTS/ TEMPERATURE

DeWolf W, Fraley EE: Metastatic testicular neoplasm to the kidney. Minn Med 56:783, Sep 73
ADULT/ *CHORIOCARCINOMA, pathology/ *DISGERMINOMA, pathology/ HEMATURIA, etiology/ HUMAN/ *KIDNEY NEOPLASMS, pathology/ MALE/ NEOPLASM METASTASIS/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology

Dharmamba M, Mayer-Gostan N, Maetz J, et al: Effect of prolactin on sodium movement in Tilapia mossambica adapted to sea water.
Gen Comp Endocrinol 21:179-87, Aug 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ *FISHES, physiology/ KINETICS/ MALE/ OSMOLAR CONCENTRATION/ *PROLACTIN, pharmacodynamics/ SEAWATER/ SHEEP/ SODIUM, blood/ *SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

Ohem A: Les mécanismes de destruction du tissue osseux.
Acta Orthop Belg 39:423-43, Mar-Apr 73 (Fre)
ADULT/ AGED/ ANIMAL EXPERIMENTS/ *BONE DISEASES, etiology/ BONE DISEASES, pathology/ BONE RESORPTION, etiology/ *BONE RESORPTION, pathology/ DOGS/ ENGLISH ABSTRACT/ HEMODYNAMICS/ HUMAN/ IMMOBILIZATION/ OSTEOPOROSIS, etiology

hom G: Morphology of the human adrenarche.
Acta Endocrinol [Suppl] (Kbh) 173:27, 1973
ADOLESCENCE/ *ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, pathology/ AGING/ AUTOPSY/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ ORGAN WEIGHT

lax Borges JM, D'Iorio A: Polyacrylamide gel electrophoresis of rat liver mitochondrial monoamine oxidases. Can J Biochem 51:1089-95, Jul 73
AMINES/ ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS/ CARBON ISOTOPES/ DEAMINATION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MALE/ *MITOCHONDRIA, LIVER, enzymology/ MONOAMINE OXIDASE, analysis/ *MONOAMINE OXIDASE, isolation & purification/ OXIDATION-REDUCTION/ RATS/ SEROTONIN/ SOLUBILITY/ STAINS AND STAINING/ STRUCTURE-ACTIVITY RELATIONSHIP/ TETRAZOLIUM SALTS/ TYRAMINE

ckens HO, Mudd EH, Garcia CR, et al: One hundred regnant adolescents, treatment approaches in a niversity hospital.
Am J Public Health 63:794-800, Sep 73
*ADOLESCENCE/ ADOLESCENT PSYCHOLOGY/ CONTRACEPTIVES, ORAL/ COUNSELING/ EDUCATION/ FAMILY PLANNING/ FEMALE/ GROUP PROCESSES/ HOSPITAL OUTPATIENT CLINICS/ HUMAN/ ILLEGITIMACY/ MARRIAGE/ NEGROES/ PATIENT CARE TEAM/ PENNSYLVANIA/ POSTNATAL CARE/ *PREGNANCY/ PREGNANCY COMPLICATIONS, occurrence/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, occurrence/ PRENATAL CARE/ RELIGION/ SAMPLING STUDIES/ SOCIOECONOMIC FACTORS/ STUDENT DROPOUTS

kinson SJ: Structural abnormalities in the ndescended testis. J Pediatr Surg 8:523-7, Aug 73
ARTERIES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM/ CRYPTORCHISM, surgery/ EPIDIDYMIS, abnormalities/ HUMAN/ INFANT, NEWBORN/ INFARCTION, complications/ MALE/ SEMINAL VESICLES, abnormalities/ *TESTIS, abnormalities/ TESTIS, blood supply/ TESTIS, embryology/ TESTIS, pathology/ URINARY TRACT, abnormalities/ VAS DEFERENS, abnormalities

925. Dickson RA: Colour television and bone density.
J Physiol (Lond) 231:85P, Jun 73
*BONE AND BONES, physiopathology/ *DENSITOMETRY, X-RAY/ HAND/ HUMAN/ OSTEOPOROSIS, physiopathology/ RHEUMATISM, surgery/ *TELEVISION

926. Diedrichsen G, Lommer D: In-vitro corticosteroid synthesis in rat adrenals. II. Evidence for (an) alternative pathway(s) of synthesis.
Acta Endocrinol [Suppl] (Kbh) 173:74, 1973
*ACETATES, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTEROL, metabolism/ CORTICOSTERONE, metabolism/ DESOXYCORTICOSTERONE, metabolism/ IN VITRO/ RATS/ TRIPARANOL, metabolism/ TRITIUM

927. Diedrichsen G, Lommer I, Lommer D: In-vitro corticosteroid synthesis in rat adrenals. I. Results indicating (an) alternative pathway(s) of synthesis without the intermediates cholesterol, pregnenolone and progesterone.
Acta Endocrinol [Suppl] (Kbh) 173:73, 1973
*ACETATES, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, metabolism/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL, metabolism/ CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, metabolism:/ IN VITRO/ METYRAPONE, metabolism/ *PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ TRITIUM

928. Diemath HE: Intrathalamic and intraventricular application of hydrocortisone during stereotatic operations. Confin Neurol 34:149-51, 1972
ADULT/ AGED/ ANIMAL EXPERIMENTS/ *BRAIN EDEMA, drug therapy/ CATS/ *CEREBRAL VENTRICLES, drug effects/ DISEASE MODELS, ANIMAL/ FEMALE/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ RABBITS/ RATS/ STEREOTAXIC TECHNICS/ *THALAMUS, drug effects

929. Dieterich RA, Morrison PR, Preston DJ: Comparative organ weights for 8 standardized wild rodent species.
Lab Anim Sci 23:575-81, Aug 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BROWN FAT, anatomy & histology/ FEMALE/ GASTROINTESTINAL SYSTEM, anatomy & histology/ HEART, anatomy & histology/ LIVER, anatomy & histology/ LUNG, anatomy & histology/ MALE/ MICE/ ORGAN WEIGHT/ PANCREAS, anatomy & histology/ *RODENTS, anatomy & histology/ SPLEEN, anatomy & histology/ TESTIS, anatomy & histology/ UTERUS, anatomy & histology

930. Dieterich WR, Schmidt PK, Günther H, et al: Kritische Bertellung des "wash-out"-Testes im Vergleich zur Reninbestimmung bei renovaskulärer Hypertonie.
Z Urol Nephrol 65:851-9, Nov 72 (Ger)
ADULT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, radiography/ MALE/ *MANNITOL, diagnostic use/ METHODS/ MIDDLE AGE/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ *RENIN, blood/ *UREA, diagnostic use/ UROGRAPHY

931. **Dietze G, Hepp KD, Mehnert H:** Studien zum negativ-inotropen Wirkungsmechanismus von Antiarrhythmika: Effekt von Lidocain auf die Adenylatzyklase des Myokards.
Verh Dtsch Ges Inn Med 78:1113-6, 1972 **(Ger)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *HEART, drug effects/ *LIDOCAINE, pharmacodynamics/ MYOCARDIUM, enzymology/ RATS

932. **Dihlmann W, Frik W:** Die tumorinduzierte unspezifische Kompaktareaktion.
Fortschr Geb Roentgenstr Nuklearmed 119:64-74, Jul 73 **(Ger)**
AGED/ *BONE AND BONES, radiography/ *BONE NEOPLASMS, radiography/ BONE RESORPTION/ BRONCHIAL NEOPLASMS, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HUMERUS/ MALE/ MIDDLE AGE/ OSTEOCLASTS/ SARCOMA, OSTEOGENIC, pathology

933. **Dijkstra J, Vliet G van, Over HJ:** De fasciolicide werking van "Ranide" op Fasciola hepatica L. in experimentele infecties bij het schaap.
Tijdschr Diergeneeskd 98:702-12, 1 Aug 73 **(Dut)**
ANIMAL EXPERIMENTS/ ANTHELMINTICS, administration & dosage/ *ANTHELMINTICS, therapeutic use/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ FASCIOLA HEPATICA/ FASCIOLIASIS, drug therapy/ *FASCIOLIASIS, veterinary/ GROWTH, drug effects/ HEMATOCRIT/ HEMOGLOBIN, analysis/ IODINE, administration & dosage/ IODINE, therapeutic use/ LEUKOCYTE COUNT/ PHENOLS, administration & dosage/ PHENOLS, therapeutic use/ SALICYLAMIDES, administration & dosage/ *SALICYLAMIDES, therapeutic use/ *SHEEP DISEASES, drug therapy/ TIME FACTORS

934. **Dimitrov DI:** Avtoantitela i avtoimunni sindromi.
Vutr Boles 12:1-7, 1973 (46 ref.) **(Bul)**
ADDISON'S DISEASE, immunology/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, immunology/ ANEMIA, PERNICIOUS, immunology/ ANTIGEN-ANTIBODY REACTIONS/ ARRHYTHMIA, immunology/ ARTHRITIS, RHEUMATOID, immunology/ *AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, immunology/ CHRONIC DISEASE/ COLITIS, ULCERATIVE, immunology/ CRYOGLOBULINS/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, immunology/ GOODPASTURE'S SYNDROME, immunology/ HEPATITIS, immunology/ HUMAN/ HYPERPARATHYROIDISM, immunology/ IMMUNE TOLERANCE/ IMMUNITY/ IMMUNITY, CELLULAR/ MYXEDEMA, immunology/ REVIEW/ RHEUMATIC HEART DISEASE, immunology/ SJOGREN'S SYNDROME, immunology/ THROMBOPENIA, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

935. **Dimov I:** Asupra unui caz de acromegalie cu amenoree secundară si anemie.
Stud Cercet Endocrinol 24:317-9, 1973 **(Rum)**
*ACROMEGALY, complications/ ADULT/ *AMENORRHEA, complications/ *ANEMIA, complications/ FEMALE/ HUMAN/ PITUITARY GLAND IRRADIATION/ PROGESTERONE, therapeutic use/ VITAMIN E, therapeutic use

936. **Dinnendahl V, Peters HD, Schönhöfer PS:** Effects of antilipolytic drugs on cyclic 3',5'-AMP dependent protein kinase.
Naunyn Schmiedebergs Arch Pharmacol 278:293-300, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CHLOROQUINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUFENAMIC ACID, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ *LIPIDS, metabolism/ *MEFENAMIC ACID, pharmacodynamics/ MUSCLES, enzymology/ NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE/ PHENTOLAMINE, pharmacodynamics/ *PHENYLBUTAZONE, pharmacodynamics/ *PHOSPHOTRANSFERASES, antagonists & inhibitors/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINAS metabolism/ PYRAZOLES, pharmacodynam THEOPHYLLINE, pharmacodynamics

937. **DiPasquale G, Rassaert C, Richter R, et al:** Influen prostaglandins (Pg) E2 and F2 on the inflamm process. Prostaglandins 3:741-57, Jun 73
ANIMAL EXPERIMENTS/ ARTHRITIS, chemically induced/ ARTHRITIS, drug therapy/ ASPIRIN, therapeutic use/ CARRAGEENAN/ CROTON OIL/ EDEMA, chemically induced/ FOOT/ GRANULOMA, chemically induced/ GRANULOMA, drug therapy/ HINDLIMB/ HYDROCORTISONE, therapeutic use/ INFLAMMATION, chemic induced/ *INFLAMMATION, drug therapy/ MALE/ METHODS/ MYCOBACTERIUM/ OVALBUMIN/ PHENYLBUTAZONE, therapeutic use/ *PROSTAGLANDINS, therapeutic use/ RATS/ SEROTONIN

938. **Dipolo R:** Sodium-dependent calcium influx in dia barnacle muscle fibers.
Biochim Biophys Acta 298:279-83, 16 Mar
ANIMAL EXPERIMENTS/ BARNACLES/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE, drug effects/ CELL MEMBR metabolism/ DIALYSIS/ LITHIUM, pharmacodynamics/ MEMBRANE POTENTI MUSCLES, cytology/ MUSCLES, drug effe *MUSCLES, metabolism/ SEAWATER/ *SODIUM, pharmacodynamics/ TIME FACT

939. **DiStefano JJ 3d, Durando AR, Jang M, et al:** Esti and estimation errors of hormone secretion, tran and disposal rates in the maternal-fetal sy Endocrinology 93:324-42, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ MACAC *MATERNAL-FETAL EXCHANGE/ *MODE THEORETICAL/ MONKEYS/ OPERATION RESEARCH/ SECRETORY RATE/ SHEEP, STATISTICS

940. **Distler A, Grobecker H, Kreye VA, et al:** Physiolog pathology of vascular response.
Arzneim Forsch 23:18-30, Jan 73
ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD PRESSURE/ BLOOD VESSELS, metabolism *BLOOD VESSELS, physiology/ BLOOD VESSELS, physiopathology/ CALCIUM/ HEMODIALYSIS/ HUMAN/ HYDROXYDOPAMINE/ HYPERALDOSTERONISM/ HYPERTENSIO physiopathology/ MUSCLE CONTRACTION MUSCLE, SMOOTH, enzymology/ MUSCLE SMOOTH, metabolism/ MUSCLE, SMOOTH physiology/ MUSCLE TONUS/ NEUROEFFECTOR JUNCTION/ NOREPINEPHRINE, metabolism/ SODIUM VASCULAR RESISTANCE

941. **Distler A, Just HJ, Philipp T:** Untersuchunge Pathogenese des Hochdrucks bei primären Aldosteronismus.
Verh Dtsch Ges Inn Med 78:1610-2, 1972
ALDOSTERONE, blood/ CAPILLARY RESISTANCE/ HUMAN/ *HYPERALDOSTERONISM, complications/ *HYPERTENSION, etiology/ POTASSIUM, blood

942. **Dixon R, Tormey P, Lambe R, et al:** Retro-sterc Metabolism of the progestogen 6-chloro-9 -pregna-1,4,6-triene-3,20-dione in man.
Steroids 22:35-46, Jul 73
ADMINISTRATION, ORAL/ CHROMATOGRAPHY/ CHROMATOGRAPH

THIN LAYER/ FECES, analysis/ FEMALE/ GLUCURONATES, urine/ GLUCURONIDASE/ HUMAN/ HYDROXYLATION/ ISOMERISM/ MASS SPECTRUM ANALYSIS/ NUCLEAR MAGNETIC RESONANCE/ PREGNADIENES, urine/ *PREGNATRIENES, metabolism/ PREGNATRIENES, urine/ PREGNENES, urine/ *PROGESTATIONAL HORMONES, metabolism/ SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ TRENGESTONE, metabolism/ TRENGESTONE, urine/ TRITIUM

Djerassi C: Steroid contraceptives in the People's Republic of China. N Engl J Med 289:533-5, 6 Sep 73
CHINA/ *CONTRACEPTIVES, ORAL/ DRUG AND NARCOTIC CONTROL/ FEMALE/ HUMAN/ POPULATION CONTROL/ PREGNANCY/ PROSTAGLANDINS/ STERILIZATION, TUBAL/ *STEROIDS

Dobkin AB, Arandia HY, Levy AA: Effect of pancuronium bromide on plasma histamine levels in man. Anesth Analg (Cleve) 52:772-5, Sep-Oct 73
ABDOMEN, surgery/ *ANDROSTANES, pharmacodynamics/ BROMIDES/ *CURARE-LIKE AGENTS, pharmacodynamics/ *HISTAMINE, blood/ HUMAN/ PANCURONIUM, pharmacodynamics/ TIME FACTORS

Dobos M, Fekete G, Schuler D: Chromosoma vizsgálatok cyclophosphamiddalkezelt, nem tumoros betegségben szenvedő gyermekek peripheriás lymphocytaculturáiban.
Orv Hetil 114:1987-90, 19 Aug 73 (Hun)
ADOLESCENCE/ ANTINEOPLASTIC AGENTS, adverse effects/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, drug effects/ CYCLOPHOSPHAMIDE, adverse effects/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/ MALE/ PREDNISOLONE, adverse effects

Döcke F, Busch W, Flick D: Orientierende experimentelle Untersuchung zum Nachweis eines zyklischen hypothalamischen Sexualzentrums beim Schwein.
Arch Exp Veterinaermed 26:969-74, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ENDOMETRIUM, physiology/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ HYPOTHALAMUS, injuries/ HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiology/ OVARY, pathology/ OVARY, physiology/ RATS/ *SEX BEHAVIOR, ANIMAL/ SWINE/ TIME FACTORS

Dohler KD, Wuttke W: Induction and maintenance of pregnancy without rise in serum prolactin in rats.
Acta Endocrinol [Suppl] (Kbh) 173:45, 1973
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ *ERGOLINES, pharmacodynamics/ FEMALE/ FSH, blood/ LH, blood/ PITUITARY GLAND, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PROLACTIN, blood/ *PROLACTIN, physiology/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS

Dörr P, Goebel R, Kuss E: Specific radioimmunologic determination of plasma oestradiol in males without chromatography.
Acta Endocrinol [Suppl] (Kbh) 173:108, 1973
CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/ *IMMUNE SERUMS/ MALE/ METHODS/ PRECIPITIN TESTS/ RADIOIMMUNOASSAY

Dörr P, Goebel R, Kuss E: Specific radioimmunological determination without chromatography of plasma oestradiol in males.
Acta Endocrinol (Kbh) 73:314-20, Jun 73
CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRADIOL, blood/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

950. **Doherty JE:** Digitalis glycosides. Pharmacokinetics and their clinical implications.
Ann Intern Med 79:229-38, Aug 73 (46 ref.)
ADMINISTRATION, ORAL/ ARRHYTHMIA, chemically induced/ ARRHYTHMIA, drug therapy/ DIGITOXIN, blood/ *DIGITOXIN, metabolism/ DIGITOXIN, poisoning/ DIGOXIN, administration & dosage/ DIGOXIN, blood/ *DIGOXIN, metabolism/ DIGOXIN, poisoning/ DIGOXIN, urine/ DIPHENYLHYDANTOIN, therapeutic use/ DRUG INTERACTIONS/ ELECTRIC COUNTERSHOCK/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ KIDNEY FAILURE, ACUTE, complications/ LIVER DISEASES, complications/ MALABSORPTION SYNDROMES, complications/ POTASSIUM, therapeutic use/ REVIEW/ THYROID DISEASES, complications/ VEHICLES

951. **Doll E, Wagner K, Kröpelin K:** Atemmechanik und Kortikosteroidtherapie bei der Lungensarkoidose.
Respiration 30:270-84, 1973 (Ger)
ADOLESCENCE/ ADULT/ AIRWAY RESISTANCE, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LUNG COMPLIANCE, drug effects/ *LUNG DISEASES, drug therapy/ LUNG DISEASES, physiopathology/ MALE/ MIDDLE AGE/ RESPIRATION, drug effects/ *SARCOIDOSIS, drug therapy/ SARCOIDOSIS, physiopathology/ *WORK OF BREATHING, drug effects

952. **Domer FR:** Drug inhibition of PAH transport from cerebrospinal fluid in rabbits.
Exp Neurol 40:414-23, Aug 73
*AMINOHIPPURIC ACID, cerebrospinal fluid/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CARBONIC ANHYDRASE INHIBITORS, pharmacodynamics/ CEREBRAL VENTRICLES, drug effects/ *CEREBRAL VENTRICLES, metabolism/ *CEREBROSPINAL FLUID, drug effects/ DEXTRAN/ FEMALE/ IODIDES, metabolism/ *IODIDES, pharmacodynamics/ IODINE ISOTOPES/ MALE/ *PERCHLORIC ACIDS, pharmacodynamics/ PERFUSION/ *PROBENECID, pharmacodynamics/ RABBITS/ TRITIUM

953. **Domino EF, Krause RR, Bowers J:** Regional distribution of some enzymes involved with putative neurotransmitters in the human visual system.
Brain Res 58:179-89, 17 Aug 73
ACETYLCHOLINE, metabolism/ *ACETYLCHOLINESTERASE, metabolism/ *ACETYLTRANSFERASES, metabolism/ ADOLESCENCE/ ADULT/ AGED/ AUTOPSY/ BRAIN CHEMISTRY/ BRAIN DAMAGE, CHRONIC, enzymology/ CHOLINE/ *CHOLINESTERASE, metabolism/ FEMALE/ GENICULATE BODIES, enzymology/ HUMAN/ MALE/ *METHYLTRANSFERASES, metabolism/ MIDDLE AGE/ *MONOAMINE OXIDASE, metabolism/ NERVE TISSUE PROTEINS, metabolism/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ OCCIPITAL LOBE, enzymology/ OPTIC CHIASM, enzymology/ OPTIC NERVE, enzymology/ SCHIZOPHRENIA, enzymology/ SEROTONIN, metabolism/ SUPERIOR COLLICULUS, enzymology/ *VISUAL PATHWAYS, enzymology

954. **Domoto DT, Boyd JE, Mulrow PJ, et al:** The ultrastructure of the adrenal zona glomerulosa of rats on patassium-supplemented or sodium-depleted diets. Am J Pathol 72:433-46, Sep 73
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *DIET/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ LIPIDS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ POTASSIUM, blood/

POTASSIUM, metabolism/ RATS/ SODIUM, blood/ *SODIUM, metabolism/ TIME FACTORS

955. **Donald D:** Malignant haemangio-endothelioma associated with congenital adrenal hyperplasia. J Pathol 109:381-3, Apr 73
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, pathology/ ENDOTHELIUM/ FEMALE/ *HEMANGIOENDOTHELIOMA, complications/ HEMANGIOENDOTHELIOMA, pathology/ HUMAN/ MIDDLE AGE

956. **Donaldson J, Minnich JL, Barbeau A:** Effet du lithium et du rubidium sur les monoamines cérébrales de la souris.
Union Med Can 102:907-11, Apr 73 **(Fre)**
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *DOPAMINE, metabolism/ ENGLISH ABSTRACT/ *LITHIUM, pharmacodynamics/ MALE/ MICE/ *NOREPINEPHRINE, metabolism/ *RUBIDIUM, pharmacodynamics/ *SEROTONIN, metabolism

957. **Donaldson SS, Bagshaw MA, Kriss JP:** Supervoltage orbital radiotherapy for Graves' ophthalmopathy. J Clin Endocrinol Metab 37:276-85, Aug 73
ADULT/ AGED/ ANTIBODIES, analysis/ FEMALE/ GOITER, EXOPHTHALMIC, immunology/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ INTRAOCULAR PRESSURE/ LONG-ACTING THYROID STIMULATOR, analysis/ MALE/ MIDDLE AGE/ OCULOMOTOR MUSCLES/ *ORBIT/ *RADIOTHERAPY, HIGH ENERGY/ THYPOGLOBULIN/ VISUAL ACUITY

958. **Donat H:** Bestimmung des Konzeptionsoptimums unter besonderer Berücksichtigung der Veränderungen im Zervikalsekret.
Zentralbl Gynaekol 95:561-73, 27 Apr 73 **(Ger)**
BIOPSY/ BLOOD PLATELETS/ BODY TEMPERATURE/ *CERVIX MUCUS, analysis/ CYTODIAGNOSIS/ ENDOMETRIUM, pathology/ FEMALE/ *FERTILIZATION/ HUMAN/ OSMOTIC PRESSURE/ *OVULATION/ SERUM ALBUMIN/ TIME FACTORS/ VISCOSITY

959. **Donovan BT, Lockhart AN:** The effects of acute treatment with oestrogen on luteal volume in hysterectomized guinea-pigs.
J Endocrinol 58:351-2, Aug 73
ANIMAL EXPERIMENTS/ BIOMETRY/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GUINEA PIGS/ HYSTERECTOMY/ OVARY, cytology/ UTERUS, physiology

960. **Döpper T:** Zur Röntgendiagnostik des Skelettsystems. Zugleich ein Beitrag zur Frühdiagnostik rheumatischer Erkrankungen.
Med Welt 24:771-6, 11 May 73 **(Ger)**
ADOLESCENCE/ ADULT/ *BONE AND BONES, radiography/ FEMALE/ FOOT, radiography/ HAND, radiography/ HUMAN/ INFANT/ MALE/ *RHEUMATISM, radiography

961. **Dorigo P, Gaion RM, Tóth E, et al:** Effect of ionophorous antibiotics (nigericin, gramicidin and valinomycin) on cyclic AMP synthesis in rat adipose tissue. Biochem Pharmacol 22:1949-56, 15 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ CARBOXYLIC ACIDS, pharmacodynamics/ EPIDIDYMIS, metabolism/ IN VITRO/ LIPIDS, metabolism/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ *TYROTHRICIN, pharmacodynamics/ *VALINOMYCIN, pharmacodynamics

962. **Dorigo P, Visco L, Fiandini G, et al:** Effect of bi specific inhibitors of oxidative phosphorylat dicyclohexylcarbodiimide, antimycin A and pierc A, on cyclic AMP accumulation induced by noradrenaline and theophylline in rat adipose tis Biochem Pharmacol 22:1957-64, 15 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHA isolation & purification/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolis ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENT *ANTIBIOTICS, pharmacodynamics/ *ANTIMYCIN A, pharmacodynamics/ *CARBODIIMIDES, pharmacodynamics/ DEPRESSION, CHEMICAL/ DICYCLOHEXYLCARBODIIMIDE/ DRUG SYNERGISM/ EPIDIDYMIS, metabolism/ IN VITRO/ LIPIDS, metabolism/ NOREPINEPHRINE, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ *OXIDATIVE PHOSPHORYLATION, drug effects/ PHOSPHORUS ISOTOPES/ *PYRIDINES, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

963. **Dorner S, Elton A:** Short, taught and vulner Spec Educ 62:12-6, Jun 73
ADOLESCENCE/ CHILD/ CHILD BEHAVIO DISORDERS, etiology/ CHILD, PRESCHOO *DWARFISM, complications/ FEMALE/ HUMAN/ LONDON/ MALE/ *SOCIAL BEHAVIOR/ *UNDERACHIEVEMENT

964. **Dörner VG, Rohde W, Baumgarten G, et al:** pränatalen Geschlechtsbestimmung im Fruchtwa und peripheren mütterlichen Blut durch fluoreszenzmikroskopischen Naschweis des Y-Chromosoms.
Zentralbl Gynaekol 95:625-34, 11 May 73 (
ADOLESCENCE/ ADULT/ *AMNIOTIC FLU cytology/ ENGLISH ABSTRACT/ EPITHEL CELLS/ EVALUATION STUDIES/ FEMALI GESTATIONAL AGE/ HUMAN/ LEUKOCYTES/ MALE/ MICROSCOPY, FLUORESCENCE/ PREGNANCY/ *PRENA DIAGNOSIS/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ SKIN

965. **Dorsett BH, Ioachim HL:** Common antigenic component in ovarian carcinomas: demonstratic double diffusion and immunofluorescence techniques. Immunol Commun 2:173-84, 197
ABSORPTION/ ANTIGENIC DETERMINAN ANTIGENS/ *ANTIGENS, NEOPLASM/ CARCINOEMBRYONIC ANTIGEN/ *CARCINOMA, immunology/ CELLS, CULTURED/ CROSS REACTIONS/ CYSTADENOCARCINOMA, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HUM IMMUNE SERUMS/ METHODS/ *OVARIAI NEOPLASMS, immunology/ OVARIAN NEOPLASMS, pathology/ OVARY, immuno RABBITS/ RABBITS, immunology/ TISSUI CULTURE/ TISSUE EXTRACTS

966. **Dostál M, Jelínek R:** The course of palate closu embryos of different mouse strains.
Acta Chir Plast (Praha) 15:23-8, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT CORTISONE/ GESTATIONAL AGE/ MICE MICE, INBRED C57BL/ MICE, INBRED STRAINS/ *PALATE, embryology/ PREGNANCY

967. **Douglas C, Nowak J, Danes BS:** Mucopolysaccharl urine during normal human development.
Pediatr Res 7:724-7, Aug 73
ADOLESCENCE/ ADULT/ AGE FACTORS CARBOHYDRATE METABOLISM, INBORN ERRORS, urine/ CHILD/ CHILD, PRESCHOOL/ CHONDROITIN, urine/ ELECTROPHORESIS/ FEMALE/ HEPARIN urine/ HUMAN/ INFANT/ INFANT, NEWBORN/ LIPOCHONDRODYSTROPHY, urine/ MALE/ MENTAL RETARDATION, urine/ MUCOPOLYSACCHARIDES, metabo *MUCOPOLYSACCHARIDES, urine/ PUBE

RETINITIS PIGMENTOSA, urine/ SEX FACTORS/ SYNDROME

uglas RH, Ginther OJ: Effect of prostaglandin 2alpha on length of diestrus in mares. rostaglandins 2:265-8, Oct 72
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ HORSES/ INJECTIONS, SUBCUTANEOUS/ OVULATION, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

usa TP, Walter R, Schwartz IL, et al: Role of cyclic MP in the action of neurohypophyseal hormones on dney. Adv Cyclic Nucleotide Res 1:121-35, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ BIOLOGICAL TRANSPORT/ BLADDER, enzymology/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORIDES, pharmacodynamics/ FROGS/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KIDNEY MEDULLA, enzymology/ MICE/ MODELS, BIOLOGICAL/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PIGEONS/ PROTEIN KINASE, metabolism/ RANA CATESBEIANA/ RATS/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TOADS/ *VASOPRESSIN, pharmacodynamics/ WATER, metabolism

rning TA, Engel T, Betz G: Pituitary tumors in men. Obstet Gynecol 42:182-5, Aug 73
ACROMEGALY, etiology/ ADULT/ AMENORRHEA, etiology/ FEMALE/ HEADACHE, etiology/ HUMAN/ LACTATION DISORDERS, etiology/ MENOPAUSE/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, radiography/ SOMATOTROPIN, blood/ VISION DISORDERS, etiology

ganova L, Joakimoff S, Christoff K: Uber wendungsmöglichkeiten des Knochenfettes als mponente von Salbengrundlagen und Salben. 4. wendung mathematischer Methoden zur rsuchsplanung bei der Untersuchung von O-Emulsionssalbengrundlagen.
armazie 28:388-91, Jun 73 (Ger)
BONE AND BONES/ *EMULSIONS/ MATHEMATICS/ *OILS/ *OINTMENTS/ TECHNOLOGY, PHARMACEUTICAL/ VEHICLES/ WATER

sfield BS: Accurate reproduction of bone cimens. Med Biol Illus 23:90-3, May 73
ACRYLIC RESINS/ *BONE AND BONES, natomy & histology/ HUMAN/ MANDIBLE, natomy & histology/ *MODELS, TRUCTURAL/ SKULL, anatomy & histology/ OOTH, anatomy & histology

F: Structure et métabolisme des prostaglandines urelles.
n Med Interne (Paris) 124:337-40, Apr 73 (Fre)
NIMAL EXPERIMENTS/ GUINEA PIGS/ UMAN/ PROSTAGLANDINS, analysis/ ROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ RATS

uss JJ, Grau JD, Nordmann JJ: Effects on the ated neurohypophysis of agents which affect the nbrane permeability to calcium.
hysiol (Lond) 231:96P-98P, Jun 73
NIMAL EXPERIMENTS/ *CALCIUM, etabolism/ CALCIUM ISOTOPES/ *CELL EMBRANE PERMEABILITY, drug effects/ OBALT, pharmacodynamics/ IN VITRO/ ANGANESE, pharmacodynamics/ OXYTOCIN, cretion/ *PITUITARY GLAND, POSTERIOR, ug effects/ PITUITARY GLAND, OSTERIOR, secretion/ RATS/ ETRODOTOXIN, pharmacodynamics

r C, Bousquet B, Halter D: L'exploration biochimique des tumeurs carcinoïdes.
Ann Biol Clin (Paris) 31:283-94, 1973 (Fre)
CARCINOID TUMOR, diagnosis/ *CARCINOID TUMOR, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ KININS/ METABOLIC CLEARANCE RATE/ NEOPLASM METASTASIS/ SEROTONIN, blood/ SEROTONIN, urine/ TRYPTOPHAN, metabolism

976. Drewes PA, Demetriou JA, Pileggi VJ: Measurement of urinary aldosterone by a simplified radioimmunoassay procedure.
Clin Biochem 6:88-97, Jun 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DISPOSABLE EQUIPMENT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SILICA/ TIME FACTORS/ TRITIUM

977. Drezner Z, Pertzelan A, Bloom I, et al: [The effect of long-term prednisone on growth and on the hypothalmic-pituitary-adrenal axis]
Harefuah 85:79-2, 15 Jul 73 (Heb)
*ADRENAL GLANDS, drug effects/ ASTHMA, drug therapy/ BONE DEVELOPMENT, drug effects/ CHILD/ ENGLISH ABSTRACT/ *GROWTH, drug effects/ HUMAN/ *HYPOTHALAMUS, drug effects/ MALE/ *PITUITARY GLAND, drug effects/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ TIME FACTORS

978. Driessen OM, Thesingh CW, Bosch N van den: The localization of 125iodide, 3H-inulin and 3H-acetylcholine in autoradiographic model experiments. Histochemie 36:115-21, 1973
ACETYLCHOLINE/ ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ INULIN/ IODIDES/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ RATS/ TRITIUM

979. Drummond GI, Hemmings SJ: Inotropic and chronotropic effects of dibutyryl cyclic AMP.
Adv Cyclic Nucleotide Res 1:307-16, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BUTYRATES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HEART, drug effects/ *HEART, physiology/ HEART ATRIUM, drug effects/ *HEART RATE, drug effects/ PERFUSION/ PROPRANOLOL, pharmacodynamics/ RATS

980. Drunkenmölle C: Neurosenpsychologische Untersuchungen bei Hyperventilationstetanie.
Z Aerztl Fortbild (Jena) 67:33-7, 1 Jan 73 (Ger)
ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERVENTILATION, complications/ HYPERVENTILATION, diagnosis/ HYPERVENTILATION, etiology/ HYPOCALCEMIA, diagnosis/ MALE/ MIDDLE AGE/ MMPI/ NEUROSES, complications/ NEUROSES, diagnosis/ *TETANY, etiology

981. Drut R: Cavitación multiquística de la pineal.
Arch Fund Roux Ocefa 6:243-6, 1972 (Spa)
ADULT/ AGE FACTORS/ CASE REPORT/ CYSTS, complications/ *CYSTS, pathology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PARKINSONISM, complications/ *PINEAL BODY, pathology

982. Drut R, Vestfrid MA, Pawlow D, et al: Carcinoma pancreático con metástasis múltiple en médula espinal.
Arch Fund Roux Ocefa 6:59-63, 1972 (Spa)
*CARCINOMA/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PANCREATIC NEOPLASMS/ *PITUITARY NEOPLASMS/ *SPINAL CORD NEOPLASMS

983. Duax WL, Edmonds JW: Molecular conformation of

prostaglandin A1. Prostaglandins 3:201-8, Feb 73
MOLECULAR CONFORMATION/ *PROSTAGLANDINS/ X-RAY DIFFRACTION

984. **Dube VE, Farrow GM, Greene LF:** Prostatic adenocarcinoma of ductal origin.
Cancer 32:402-9, Aug 73
ACID PHOSPHATASE, blood/ ADULT/ AGED/ BONE NEOPLASMS, pathology/ CARCINOMA, DUCTAL, drug therapy/ CARCINOMA, DUCTAL, mortality/ *CARCINOMA, DUCTAL, pathology/ ESTROGENS, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ PROGNOSIS/ *PROSTATE, pathology/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, mortality/ *PROSTATIC NEOPLASMS, pathology

985. **Dubiel A, Januś S, Kubień E, et al:** Rodzinna niedoczynność tarczycy z głuchotą (syndroma Pendredi.
Endokrynol Pol 24:257-64, May-Jun 73 (Pol)
CHILD/ *DEAF-MUTISM, familial & genetic/ DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, familial & genetic/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ *IODINE, metabolism/ MALE

986. **Dubois MP, Blanc MR, Drouet J:** Interférence des sites antigéniques communs à FSH et à l'orosomucoïde sérique dans le dosage radio-immunologique de la FSH plasmatique ovine.
C R Acad Sci [D] (Paris) 276:2461-4, 25 Apr 73 (Fre)
ALBUMINS/ ALPHA GLOBULIN/ ANIMAL EXPERIMENTS/ ANTIGENS/ BINDING SITES, ANTIBODY/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS/ CATTLE/ COMPLEMENT FIXATION TESTS/ *FSH, blood/ RABBITS/ *RADIOIMMUNOASSAY/ SHEEP/ SWINE

987. **Dubost C, Roche JY, Celerier M:** Goitres plongeants endothoraciques. A propos de 50 observations.
Ann Chir 27:555-66, Jun 73 (Fre)
AGED/ ENGLISH ABSTRACT/ FEMALE/ GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, radiography/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ RADIOISOTOPE SCANNING

988. **DuCharme DW:** Prostaglandins in otolaryngology.
Trans Am Acad Ophthalmol Otolaryngol 77:orl79-81, Mar-Apr 73
AIRWAY RESISTANCE, drug effects/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, administration & dosage/ *BRONCHODILATOR AGENTS, therapeutic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ MUSCLE, SMOOTH, drug effects/ NASAL MUCOSA, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ *VASOCONSTRICTOR AGENTS, NASAL, therapeutic use

989. **Duchatelle P, Lelievre G, Tacquet A:** Etats d'hyperphosphorémies chez l'insuffisant rénal chronique hémodialysé.
Lille Med 18:116-24, Feb 73 (Fre)
ADOLESCENCE/ ADULT/ CALCINOSIS, prevention & control/ CALCIUM, blood/ *HEMODIALYSIS/ HUMAN/ HYDROXYCHOLECALCIFEROL, therapeutic use/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, complications/ MIDDLE AGE/ *PHOSPHORUS, blood/ VITAMIN D, therapeutic use

990. **Dufy-Barbe L, Dufy B, Faure JM, et al:** Effets de la castration sur les taux sériques de FSH et LH chez le lapin. C R Soc Biol (Paris) 166:1649-54, 1972 (Fre)
ANIMAL EXPERIMENTS/ *CASTRATION/ FEMALE/ *FSH, blood/ *LH, blood/ MALE/ RABBITS

991. **Dumas P:** Deshalogenation de divers derives iodes phenoliques chez le rat normal et thyroidecton
Biochem Pharmacol 22:1599-605, 1 Jul 73 (
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ IN VITRO/ *IODIDES, metabolism/ IODIDES, urine/ IODINE ISOTOPES/ IODOTYROSINE, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ *PHENOLS, metabolism/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY

992. **Dumasia MC, Chapman DI, Moss MS, et al:** Produc and properties of antisera to dexamethasone-pro conjugates. Biochem J 133:401-4, Jun 73
ADRENAL CORTEX HORMONES/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY REACTIONS/ BINDI SITES, ANTIBODY/ CATTLE/ CROSS REACTIONS/ *DEXAMETHASONE/ *IMMU SERUMS/ MALE/ PROTEIN BINDING/ RABBITS, immunology/ *SERUM ALBUMIN BOVINE/ TRITIUM

993. **Dumitru M:** Functia tiroidiană în cardiopatia ische cronică la vîrstinic si bătrîn.
Stud Cercet Endocrinol 24:291-8, 1973 (R
ADULT/ AGED/ ARTERIOSCLEROSIS, complications/ ARTERIOSCLEROSIS, physiopathology/ CHRONIC DISEASE/ CORONARY DISEASE, complications/ *CORONARY DISEASE, physiopathology/ FEMALE/ HUMAN/ HYPERTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ *THYROI GLAND, physiopathology/ THYROID GLAN FUNCTION TESTS

994. **Dumoulin J, Bisschop G de:** L'électrothérapie dan affections traumatiques ostéo-articulaires.
Electrodiagn Ther 10:18-26, 1973 (
CONTUSIONS, therapy/ DISLOCATIONS, therapy/ *ELECTROTHERAPY/ EXTREMIT blood supply/ FRACTURES, therapy/ HEMARTHROSIS, therapy/ HUMAN/ HYDRARTHROSIS, therapy/ ISCHEMIA, therapy/ *JOINT DISEASES, therapy/ KNE INJURIES, therapy/ LIGAMENTS, ARTICULAR, injuries/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, therapy/ PARALYSIS, therapy/ SPRAINS AND STRAINS, therapy/ ULTRASONIC THERA VOLKMANN'S CONTRACTURE, therapy/ WOUNDS AND INJURIES, complications

995. **Dundee JW, McCaughey W:** Interaction of associated with anaesthesia.
Int Anesthesiol Clin 11:41-73, Spring 73 (152
ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ *ANESTHETICS, pharmacodynamics/ ANTIBIOTICS, pharmacodynamics/ ANTICOAGULANTS, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ CARDIAC GLYCOSIDES, pharmacodynamics/ CARDIOVASCULAR SYSTEM, drug effects CHOLINESTERASE INHIBITORS, pharmacodynamics/ DIURETICS, pharmacodynamics/ *DRUG INTERACTION EMETINE, pharmacodynamics/ ERGOT ALKALOIDS, pharmacodynamics/ HUMAN/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ NEOSTIGMINE, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ REVIEW/ STEROIDS, pharmacodynamics/ SUCCINYLCHOLINE, adverse effects/ TRANQUILIZING AGENT pharmacodynamics

996. **Dunham EW, Anders MW:** High-speed liqui chromatographic analysis of prostaglandins i kidney. Prostaglandins 4:85-92, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *KIDNEY, analy MALE/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis RATS/ ULTRAVIOLET RAYS

997. **Dunlap JL, Gerall AA, Hendricks SE:** Fem receptivity in neonatally castrated males as a fu

age and experience. Physiol Behav 8:21-3, Jan 72
AGE FACTORS/ ANIMAL EXPERIMENTS/
*ANIMALS, NEWBORN/ BENZOATES/ BODY
WEIGHT/ *CASTRATION/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ HOUSING,
ANIMAL/ MALE/ *PROGESTERONE,
pharmacodynamics/ RATS/ *SEX BEHAVIOR,
ANIMAL, drug effects/ SEX FACTORS

n J, Critchlow V: Electrically stimulated ACTH
ease in pharmacologically blocked rats.
docrinology 93:835-42, Oct 73
ANIMAL EXPERIMENTS/ *CORTICOSTERONE,
lood/ CORTICOTROPIN, pharmacodynamics/
CORTICOTROPIN, physiology/
DEXAMETHASONE, pharmacodynamics/
LECTRIC STIMULATION/ FEMALE/
LUOROMETRY/ *HYPOTHALAMUS, drug
ffects/ HYPOTHALAMUS, physiology/
MORPHINE, pharmacodynamics/
PENTOBARBITAL, pharmacodynamics/ RATS

MV, Humphries NG, Judkins GR, et al: The effect
rostaglandin F2 antibody on gestation length in
rat. Prostaglandins 3:509-14, Apr 73
NIMAL EXPERIMENTS/ *ANTIBODIES/
NTIBODIES, administration & dosage/
EMALE/ *IMMUNE SERUMS,
harmacodynamics/ INJECTIONS,
NTRAPERITONEAL/ LABOR, drug effects/
REGNANCY/ *PREGNANCY, ANIMAL, drug
ffects/ *PROSTAGLANDINS/ RABBITS,
mmunology/ RATS/ SERUM ALBUMIN/ TIME
ACTORS/ TRITIUM

yron JP, Gauthier-Lafaye JP, Gauthier-Lafaye J:
blèmes posés par la réanimation du
ochromocytome.
sth Analg (Paris) 30:209-12, Jan-Feb 73 (Fre)
DRENAL GLAND NEOPLASMS, surgery/
NESTHESIA/ BLOOD PRESSURE/ BLOOD
ESSURE DETERMINATION/ HEART RATE/
JMAN/ *PHEOCHROMOCYTOMA, surgery/
ASMA VOLUME/ RESUSCITATION

C, Hosseinian A, Kim MH: Simultaneous
rmination of plasma estrogens, androgens, and
esterone during the human menstrual cycle.
oids 22:47-61, Jul 73
ULT/ *ANDROGENS, blood/
DROSTENEDIONE, blood/ BODY
MPERATURE/ CHROMATOGRAPHY, THIN
YER/ *ESTRADIOL, blood/ *ESTRONE,
od/ EVALUATION STUDIES/ FEMALE/
L FILTRATION/ GOATS, immunology/
MAN/ IMMUNE SERUMS/ IODINE
OTOPES/ *17-KETOSTEROIDS, blood/ LH,
od/ *MENSTRUATION/ METHODS/
ROGESTERONE, blood/
DIOIMMUNOASSAY/ SHEEP, immunology/
STOSTERONE, blood/ TIME FACTORS/
ITIUM

DA, Philips SR, Boulton AA: Identification and
bution of beta-phenylethylamine in the rat.
J Biochem 51:995-1002, Jul 73
INES, isolation & purification/ ANIMAL
PERIMENTS/ *BRAIN CHEMISTRY/ BRAIN
M, analysis/ CAUDATE NUCLEUS,
lysis/ CEREBELLUM, analysis/
ROMATOGRAPHY, ION EXCHANGE/
ROMATOGRAPHY, THIN LAYER/ DANSYL
MPOUNDS/ DEUTERIUM/ ELECTRIC
NDUCTIVITY/ HYPOTHALAMUS, analysis/
NEY, analysis/ LIVER, analysis/ LUNG,
ysis/ MALE/ MASS SPECTRUM
ALYSIS/ MYOCARDIUM, analysis/
ENETHYLAMINES, analysis/ RATS/
EEN, analysis

, Flautre B: Ostéogénèse, activité ostéocytaire
citonine.
Orthop Belg 39:471-8, Mar-Apr 73 (Fre)
MAL EXPERIMENTS/ *CALCIUM,
abolism/ DOGS/ *OSTEOCYTES/
TEOGENESIS/ PARATHYROID HORMONE,
iology/ THYROCALCITONIN, metabolism/
ROCALCITONIN, pharmacodynamics/
YROCALCITONIN, physiology

1004. Durliat M, Vendrely C: Etude de l'action des androgènes sur l'incorporation de cytidine dans les organes du tractus génital de la souris mâle. I. Influence-de la castration et de l'implantation d'androgène chez les castrats.
C R Soc Biol (Paris) 166:1578-85, 1972 (Fre)
ANDROGENS, metabolism/ *ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CASTRATION/ *CYTIDINE, metabolism/ DNA, biosynthesis/ LEUCINE, metabolism/ MALE/ MICE/ MICE, INBRED STRAINS/ RNA, biosynthesis/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ UROGENITAL SYSTEM, drug effects/ *UROGENITAL SYSTEM, metabolism

1005. Dürr HK, Gerdes H, Joseph K: A comparison between the "Oxford T4 by column" method and the Murphy-Pattee method for serum thyroxine.
Acta Endocrinol [Suppl] (Kbh) 173:18, 1973
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ HUMAN/ ION EXCHANGE/ METHODS/ PROTEIN BINDING/ *THYROXINE, blood

1006. Dutrillaux B, Laurent C, Couturier J, et al: Coloration des chromosomes humains par l'acridine orange après traitement par le 5 bromodéoxyuridine.
C R Acad Sci [D] (Paris) 276:3179-81, 13 Jun 73 (Fre)
*ACRIDINES/ *BROMODEOXYURIDINE/ *CHROMOSOMES/ HUMAN/ METHODS/ MICROSCOPY/ SEX CHROMOSOMES/ *STAINS AND STAINING

1007. Duvernoy J, Bugnon C, Gouget A: Vérification microfluorométrique de la diminution du taux des monoamines dans la zone externe de l'éminence médiane chez le rat bisurrénalectomisé.
C R Acad Sci [D] (Paris) 276:3441-4, 25 Jun 73 (Fre)
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CEREBRAL VENTRICLES, analysis/ *DOPAMINE/ FLUOROMETRY/ MALE/ MICROSCOPY/ RATS

1008. Dyckes DF, Ferger MF, Du Vigneaud V, et al: Synthesis and some of the pharmacological properties of (4-leucine)-8-lysine-vasopressin and (1-deamino,4-leucine)-8-lysine-vasopressin.
J Med Chem 16:843-7, Jul 73
ANIMAL EXPERIMENTS/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ DEAMINATION/ DIURESIS, drug effects/ FEMALE/ LEUCINE, chem synthesis/ LEUCINE, pharmacodynamics/ LYSINE, chem synthesis/ LYSINE, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, antagonists & inhibitors/ PITUITARY GLAND, POSTERIOR, drug effects/ RATS/ UTERUS, drug effects/ *VASOPRESSIN, chem synthesis/ VASOPRESSIN, pharmacodynamics

1009. Dyson AL, Orgebin-Crist MC: Effect of hypophysectomy, castration and androgen replacement upon the fertilizing ability of rat epididymal spermatozoa.
Endocrinology 93:391-402, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ FEMALE/ *FERTILIZATION/ HYPOPHYSECTOMY/ LIGATION/ MALE/ *PITUITARY GLAND, physiology/ RATS/ SPERMATOZOA, drug effects/ *SPERMATOZOA, physiology/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ *TESTOSTERONE, pharmacodynamics/ VAS DEFERENS, physiology

E

1010. Eagan RT, Maurer LH, Forcier RJ, et al: Combination chemotherapy and radiation therapy in small cell carcinoma of the lung. Cancer 32:371-9, Aug 73
ADULT/ AGED/ BONE MARROW/ CARCINOMA, BRONCHOGENIC, drug therapy/ CARCINOMA, BRONCHOGENIC, radiotherapy/ *CARCINOMA, BRONCHOGENIC, therapy/ CYCLOPHOSPHAMIDE, administration &

dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiotherapy/ *LUNG NEOPLASMS, therapy/ MALE/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, complications/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ RADIOTHERAPY DOSAGE/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

1011. **Eastman CJ, Corcoran JM, Millar JG, et al:** Radioimmunoassay of serum tri-iodothyroine in patients with thyroid disease.
J Endocrinol 58:22-3, Jul 73
ADULT/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ MALE/ METHODS/ RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

1012. **Eastman CJ, Lazarus L:** Growth hormone release during sleep in growth retarded children.
Arch Dis Child 48:502-7, Jul 73
ADOLESCENCE/ ARGININE, pharmacodynamics/ ASTHMA, blood/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHRONIC DISEASE/ DWARFISM, blood/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GROWTH/ HUMAN/ HYPOGLYCEMIA, blood/ INSULIN/ MALE/ MENTAL RETARDATION, blood/ *MENTAL RETARDATION, metabolism/ *SLEEP/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ TIME FACTORS

1013. **Eaton GG, Slob A, Resko JA:** Cycles of mating behaviour, oestrogen and progesterone in the thick-tailed bushbaby (Galago crassicaudatus crassicaudatus) under laboratory conditions.
Anim Behav 21:309-15, May 73
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, physiology/ *ESTRADIOL, blood/ *ESTRUS/ EVOLUTION/ FEMALE/ GONADS, physiology/ MALE/ OVULATION/ *PERIODICITY/ PREGNANCY/ *PRIMATES, physiology/ *PROGESTERONE, blood/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ SPECIES SPECIFICITY/ VAGINAL SMEARS

1014. **Ebert MH, Baldessarini RJ, Lipinski JF, et al:** Effects of electroconvulsive seizures on amine metabolism in the rat brain. Arch Gen Psychiatry 29:397-401, Sep 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ *SHOCK THERAPY, ELECTRIC/ TRYPTOPHAN, metabolism

1015. **Ebert R, Schwabe U:** Studies on the antilipolytic effect of adenosine and related compounds in isolated fat cells.
Naunyn Schmiedebergs Arch Pharmacol 278:247-59, 1973
ADENINE, pharmacodynamics/ ADENOSINE, metabolism/ *ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ DIPYRIDAMOLE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *GLYCERIN, metabolism/ HYPOXANTHINES, pharmacodynamics/ INOSINE, pharmacodynamics/ INSULIN, pharmacodynamics/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ RATS/ THEOPHYLLINE, antagonists & inhibitors/ TISSUE CULTURE/ XANTHINES, pharmacodynamics

1016. **Economides SJ, Miller TB, Topps JH, et al:** A preliminary study of the milk production, bodyweight changes and some blood characteristics of underfed beef cows. Br Vet J 129:63-72, Jan-Feb 73
ANIMAL EXPERIMENTS/ ANIMAL FEED *ANIMAL NUTRITION/ BLOOD/ *BODY WEIGHT/ CATTLE, metabolism/ *CATTLE physiology/ FEMALE/ *LACTATION/ PREGNANCY

1017. **Eddy RL, McMurry JF Jr, Best EB, et al:** Ac ablation by venous catheter.
Ann Intern Med 79:273-4, Aug 73
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, metabolism/ *ADRE GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, metabol ADRENAL GLANDS, blood supply/ CATHETERIZATION/ CORTICOTROPIN, biosynthesis/ *CUSHING'S SYNDROME, etiology/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, therapeutic use/ FLUDROCORTISONE, therapeutic use/ GLUCOSE, administration & dosage/ GLUCOSE, therapeutic use/ HUMAN/ HYDROCORTISONE, biosynthesis/ HYPERTONIC SOLUTIONS/ MALE/ MIDI AGE/ NEOPLASM METASTASIS/ *SCLEROSING SOLUTIONS, therapeutic VEINS

1018. **Edelhoch H, Schneider AB:** Conformational chan protected glucagon fragments bound to lysole
Arch Biochem Biophys 152:470-5, Aug 73
ADENYL CYCLASE/ ALCOHOLS, BUTYL BINDING SITES/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, THIN LAYER/ CIRCULAR DICHROISM/ ENZY ACTIVATION/ FLUORESCENCE SPECTROMETRY/ *GLUCAGON/ LIVER, cytology/ LIVER, enzymology/ *LYSOLECITHIN/ *OLIGOPEPTIDES/ PROTEIN CONFORMATION/ RATS

1019. **Edhag O, Swahn A, Wester PO:** Hypothyr following lithium treatment.
Acta Med Scand 193:553-5, Jun 73
ADULT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MIDDLE AGE/ NEUROS ANXIETY, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy

1020. **Edmonds S, Zoloth SR, Adler NT:** Storage of copu stimulation in the female rat.
Physiol Behav 8:161-4, Feb 72
ANIMAL EXPERIMENTS/ *COITUS/ EJACULATION/ FEMALE/ MALE/ NIDA PERIODICITY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, secretion/ RATS/ SECRETORY RATE/ *SEX BEHAVIOR, ANIMAL/ SPERMATOZOA, physiology/ FACTORS/ VAGINAL SMEARS

1021. **Edwards BR, Baer PG, Sutton RA, et al:** Micropu study of diuretic effects on sodium and reabsorption in the dog nephron.
J Clin Invest 52:2418-27, Oct 73
ANIMAL EXPERIMENTS/ ARTERIES/ B PRESSURE, drug effects/ BLOOD PROT analysis/ *CALCIUM, metabolism/ CALC urine/ *CHLOROTHIAZIDE, pharmacodyn DIURESIS, drug effects/ DOGS/ *FUROSEMIDE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ HEMATOCRIT/ *KIDNEY, drug effects/ KIDNEY TUBULES, metabolism/ KIDNE TUBULES, DISTAL, metabolism/ KIDNE TUBULES, PROXIMAL, metabolism/ METABOLIC CLEARANCE RATE/ NEPHRONS, drug effects/ PUNCTURES, *SODIUM, metabolism/ SODIUM, urine/ SODIUM CHLORIDE, pharmacodynamics

1022. **Edwards CR, Kitau MJ, Chard T, et al:** Vaso analogue DDAVP in diabetes insipidus: clini laboratory studies. Br Med J 3:375-8, 18
ADOLESCENCE/ ADULT/ ANTIBODIES/ BLOOD/ CHILD, PRESCHOOL/ CLINICA RESEARCH/ *DIABETES INSIPIDUS, dr therapy/ DIURESIS, drug effects/ HUM INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ MIDDLE AGE/ NASAL MU

NOSE/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ URINE/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, blood/ *VASOPRESSIN, therapeutic use

Edwards DJ: Reactions of the isolated plaice stomach to applied drugs. Comp Gen Pharmacol 3:345-58, Sep 72
ACETYLCHOLINE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ CREATININE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ *FISHES/ GASTROINTESTINAL MOTILITY, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *STOMACH, drug effects/ STOMACH, innervation/ SYMPATHOLYTICS, pharmacodynamics/ YOHIMBINE, pharmacodynamics

dwards RG: Physiological aspects of human ovulation, fertilization and cleavage.
J Reprod Fertil [Suppl] 18:87-101, Jul 73 (102 ref.)
EMBRYO, growth & development/ ESTROGENS, urine/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, pharmacodynamics/ GRAAFIAN FOLLICLE, growth & development/ HUMAN/ IGG/ IGM/ MALE/ MITOSIS/ NIDATION/ *OVULATION/ OVUM, growth & development/ REVIEW

gan SM, Livingston A: Uptake in vitro of (3H)oxytocin by the mammary gland and other tissues of the rat.
J Endocrinol 58:289-303, Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL ASSAY/ DIFFUSION/ FEMALE/ IN VITRO/ INULIN, metabolism/ LACTATION/ *MAMMAE, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ OXYTOCIN, analysis/ OXYTOCIN, metabolism/ RATS/ RECEPTORS, DRUG/ TIME FACTORS/ TRITIUM/ UTERUS, metabolism/ WATER, metabolism

gawa J: Altersunterschied des Barrschen Zellkernkörpers bei Hundenschilddüse.
Yonago Acta Med 16:229-32, Feb 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ *SEX CHROMATIN/ *THYROID GLAND, cytology

gert D, Maass H: On the fate of progesterone in the uterus of pregnant and non-pregnant rats.
Acta Endocrinol [Suppl] (Kbh) 173:47, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ RATS/ TIME FACTORS/ TRITIUM/ *UTERUS, metabolism

gert A, Huland H: Fluoridbehandlung bei Osteoporose. Ther Ggw 112:564 passim, Apr 73 (Ger)
*FLUORIDES, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy

li F, Stalder G: Malformations of kidney and urinary tract in common chromosomal aberrations. I. Clinical studies.
Humangenetik 18:1-15, 23 Mar 73 (301 ref.)
AUTOPSY/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ CRYING CAT SYNDROME/ ENGLISH ABSTRACT/ FEMALE/ GENETICS, POPULATION/ HUMAN/ INFANT, NEWBORN/ *KIDNEY, abnormalities/ KLINEFELTER'S SYNDROME/ MALE/ REVIEW/ TRISOMY/ TURNER'S SYNDROME/ *URINARY TRACT, abnormalities

1030. **Ehrengut W:** Schutzimpfungen bei Allergikern. 2.
Med Klin 68:972-4, 20 Jul 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ CHOLERA VACCINE, adverse effects/ DESENSITIZATION/ HEMORRHAGIC DIATHESIS, drug therapy/ HUMAN/ *HYPERSENSITIVITY, complications/ HYPERSENSITIVITY, drug therapy/ INFLUENZA VACCINE, adverse effects/ POLIOVIRUS VACCINE, adverse effects/ POLIOVIRUS VACCINE, ORAL, adverse effects/ SMALLPOX VACCINE/ TETANUS TOXOID, adverse effects/ TYPHOID-PARATYPHOID VACCINES, adverse effects/ *VACCINATION, adverse effects/ YELLOW FEVER, prevention & control

1031. **Ehrhardt DR, Ahn C, Sawyers TM:** Pulmonary disease associated with the inhalation of cosmetic aerosols.
Chest 64:251-4, Aug 73
ADULT/ *AEROSOLS, adverse effects/ BIOPSY/ *COSMETICS, adverse effects/ FEMALE/ HUMAN/ LUNG, pathology/ LUNG, radiography/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, drug therapy/ LUNG DISEASES, pathology/ METABOLIC DISEASES, chemically induced/ PREDNISONE, therapeutic use/ SPIROMETRY/ VITAL CAPACITY

1032. **Eicke WJ:** Günstige Verläufe bei Karzinompatienten unter zusätzlicher Behandlung mit Phenothiazinderivaten.
Med Klin 68:1015-8, 27 Jul 73 (Ger)
*ADENOCARCINOMA, drug therapy/ AGED/ APPETITE, drug effects/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *CARCINOMA, drug therapy/ *CERVIX NEOPLASMS, drug therapy/ CERVIX NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENTAL DISORDERS, drug therapy/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *PHENOTHIAZINES, therapeutic use/ *UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, radiotherapy/ UTERINE NEOPLASMS, surgery

1033. **Eickhoff TC:** Infectious complications in renal transplant recipients. Transplant Proc 5:1233-8, Sep 73
ANTILYMPHOCYTE SERUM, therapeutic use/ CENTRAL NERVOUS SYSTEM DISEASES, immunology/ HEPATITIS, immunology/ HUMAN/ HYPERGLYCEMIA, complications/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INFECTION, etiology/ *INFECTION, immunology/ *KIDNEY, transplantation/ KIDNEY FAILURE, ACUTE, complications/ LEUKOPENIA, complications/ PNEUMONIA, immunology/ PNEUMONIA, INTERSTITIAL PLASMA CELL, immunology/ PREDNISONE, adverse effects/ SEPTICEMIA, immunology/ TRANSPLANTATION, HOMOLOGOUS, adverse effects/ URINARY TRACT INFECTIONS, immunology

1034. **Eide I:** On the pathogensis of renovascular hypertension.
Scand J Clin Lab Invest 31:129-32, Mar 73
ANGIOTENSIN, antagonists & inhibitors/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES/ BLOOD PRESSURE, drug effects/ DOGS/ *HYPERTENSION, RENAL, etiology/ IMMUNE SERUMS/ KININASE II, antagonists & inhibitors/ RABBITS/ RATS/ RENIN, pharmacodynamics/ RENIN, physiology/ *SYMPATHETIC NERVOUS SYSTEM, drug effects

1035. **Ein SH:** Malignant ovarian tumors in children.

J Pediatr Surg 8:539-42, Aug 73
ADENOCARCINOMA, PAPILLARY, drug therapy/ ADENOCARCINOMA, PAPILLARY, radiotherapy/ *ADENOCARCINOMA, PAPILLARY, surgery/ ADOLESCENCE/ CHILD/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, radiotherapy/ *CHORIOCARCINOMA, surgery/ DACTINOMYCIN, therapeutic use/ DISGERMINOMA, drug therapy/ DISGERMINOMA, radiotherapy/ *DISGERMINOMA, surgery/ FEMALE/ GRANULOSA CELL TUMOR, drug therapy/ GRANULOSA CELL TUMOR, radiotherapy/ *GRANULOSA CELL TUMOR, surgery/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ *OVARIAN NEOPLASMS, surgery/ PALLIATIVE TREATMENT/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, radiotherapy/ *TERATOID TUMOR, surgery

1036. **Eisinger J, D'Omezon Y, Recordier AM:** La mithramycine dans le traitement des hypercalcémies et de la maladie de Paget.
Rev Rhum Mal Osteoartic 40:457-60, Jun 73 **(Fre)**
ADULT/ AGED/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, drug therapy/ MALE/ MIDDLE AGE/ *MITHRAMYCIN, therapeutic use/ *OSTEITIS DEFORMANS, drug therapy

1037. **Eisner M:** Critica del colon irritabile.
Minerva Med 64:2627-9, 1973 **(Ita)**
COLON, physiopathology/ *COLONIC DISEASES, FUNCTIONAL/ COLONIC DISEASES, FUNCTIONAL, diagnosis/ COLONIC DISEASES, FUNCTIONAL, physiopathology/ COLONIC NEOPLASMS, diagnosis/ CORONARY DISEASE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIARRHEA, diagnosis/ DIVERTICULOSIS, COLONIC, diagnosis/ HUMAN/ HYPERLIPEMIA, diagnosis/ THYROID DISEASES, diagnosis

1038. **Ekbladh LE, Fishburne JI:** Parasitized dermoid cyst of the omentum. Obstet Gynecol 42:458-60, Sep 73
ADULT/ *DERMOID CYST/ DERMOID CYST, pathology/ DERMOID CYST, surgery/ FEMALE/ HUMAN/ *OMENTUM/ OVARIAN CYSTS, pathology/ OVARIAN CYSTS, surgery

1039. **Ekengren B:** The nucleus preopticus and the nucleus lateralis tuberis in the roach, Leuciscus rutilus.
Z Zellforsch Mikrosk Anat 140:369-88, 1973
CATECHOLAMINES, analysis/ ENDOPLASMIC RETICULUM/ FEMALE/ *FISHES, anatomy & histology/ FLUORESCENCE/ HYPOTHALAMUS, analysis/ *HYPOTHALAMUS, cytology/ MALE/ MICROSCOPY, ELECTRON

1040. **Elewaut A, Baele G, Schelstraete K, et al:** Diagnostic de défaut d'iodotyrosine-déshalogénase aprés trois grossesses norales.
Ann Endocrinol (Paris) 33:599-605, Nov-Dec 72 **(Fre)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, etiology/ IODINE, therapeutic use/ *IODOTYROSINE, metabolism/ *METABOLISM, INBORN ERRORS/ METABOLISM, INBORN ERRORS, complications/ PEDIGREE/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, blood

1041. **Elewaut A, Degyter M, Eeckhout E, et al:** Evaluation of a free thyroxine index.
Ann Endocrinol (Paris) 34:84-90, Jan-Feb 73
ADULT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ MALE/ PREGNANCY/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

1042. **Elger W, Berswordt-Wallrabe R vo:** Failure to induce sterility in male rats with continuously relea micro-quantities of cyproterone acetate and norgestrel.
Acta Endocrinol [Suppl] (Kbh) 173:120, 197
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CYPROTERONE/ CYPROTERONE, administration & dosage/ MALE/ *NORGESTREL/ NORGESTREL, administration & dosage/ *PREGNADIENES PREGNADIENES, administration & dosage/ RATS/ *STERILITY, MALE, chemically induced/ TIME FACTORS

1043. **Elger W, Hasan SH, Friedreich E:** "Uterine" "luteal" effects of prostaglandins (PG) in rats guinea pigs as potential abortifacient mechani
Acta Endocrinol [Suppl] (Kbh) 173:46, 197
*ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GUINEA PIGS/ MUSCLI SMOOTH, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, physiology/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ TIME FACTOR *UTERUS, drug effects

1044. **Eliasson R:** Prostaglandins and reproduction: a ge survey.
J Reprod Fertil [Suppl] 18:127-32, Jul 73 (14
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CONTRACEPTIVES, ORAL/ DIARRHEA, chemically induced/ FALLOPI TUBES, drug effects/ FEMALE/ GENITAL MALE, analysis/ GONADS, metabolism/ HUMAN/ PROSTAGLANDINS, adverse eff PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ *REPRODUCTION/ REVIEW/ SEMEN/ SW UTERUS, drug effects/ VOMITING, chemi induced

1045. **Elke M, Ferstl A, Hug I:** Lymphographie mal Primärtumoren.
Radiol Clin Biol 42:258-71, 1973
ADULT/ AGED/ CARCINOMA, EPIDERMO radiography/ CERVIX NEOPLASMS, radiography/ DISGERMINOMA, radiography ENGLISH ABSTRACT/ FEMALE/ HUMAN LEG/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ MALE/ MELANOMA, radiography/ MIDDLE AGE/ SKIN NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, radiography

1046. **Ellendorff F, Pomerantz DK, Elsaesser F,** Response of plasma LH in male pigs to syn LH-FSHRH.
Acta Endocrinol [Suppl] (Kbh) 173:83, 197
ANIMAL EXPERIMENTS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH/ *LH, blood/ LH, metabolism/ MALE PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ SWINE/ T FACTORS

1047. **Elliott JC:** The problems of the composition structure of the mineral components of the tissues. Clin Orthop 93:313-45, Jun 73 (185
ANIMAL EXPERIMENTS/ *APATITES, analysis/ *BONE AND BONES, analysis/ *CALCIUM PHOSPHATES, analysis/ CARBONATES, analysis/ CATTLE/ CHEMISTRY/ CHICK EMBRYO/ CHLORI analysis/ CRYSTALLIZATION/ *DENTAL ENAMEL, analysis/ *DENTIN, analysis/ FLUORIDES, analysis/ GUINEA PIGS/ HUMAN/ HYDROGEN-ION CONCENTRAT HYDROXYAPATITE, analysis/ MICROSCO ELECTRON/ MODELS, CHEMICAL/ NUC MAGNETIC RESONANCE/ PHOSPHORUS analysis/ RABBITS/ REVIEW/ SPECTROPHOTOMETRY, INFRARED/ STRONTIUM, analysis/ WATER, metaboli X-RAY DIFFRACTION

illis HA: Bone disease in end-stage renal failure. Br Med J 3:232-3, 28 Jul 73
*BONE DISEASES, etiology/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ OSTEOMALACIA, etiology/ OSTEOPOROSIS, etiology

ilman L: Generalized bleeding following the treatment of prostatic carcinoma with testosterone and radioactive phosphorus. J Urol 110:331-2, Sep 73
*ADENOCARCINOMA, drug therapy/ *HEMORRHAGE, chemically induced/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PHOSPHORUS ISOTOPES, adverse effects/ PHOSPHORUS ISOTOPES, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ *TESTOSTERONE, adverse effects/ TESTOSTERONE, therapeutic use

saesser F, Pomerantz DK, Ellendorff F, et al: Plasma LH, testosterone and DHT in the pig from birth to exual maturity.
cta Endocrinol [Suppl] (Kbh) 173:148, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BINDING, COMPETITIVE/ CATHETERIZATION/ CHROMATOGRAPHY, THIN LAYER/ *LH, blood/ MALE/ PUBERTY/ RADIOIMMUNOASSAY/ *STANOLONE, blood/ SWINE/ *TESTOSTERONE, blood/ TIME FACTORS

manouel DS, Katz AI: Acute renal failure in stetric septic shock. Current views on pathogenesis nd management.
m J Obstet Gynecol 117:145-59, 1 Sep 73 (161 ref.)
*ABORTION, SEPTIC, complications/ ANALGESICS AND ANTIPYRETICS, administration & dosage/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, administration & dosage/ ANTIHYPERTENSIVE AGENTS, administration & dosage/ CATECHOLAMINES, pharmacodynamics/ DIGOXIN, administration & dosage/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ DIURETICS, administration & dosage/ DOGS/ FEMALE/ HEMODIALYSIS/ HEMODYNAMICS/ HUMAN/ HYPNOTICS AND SEDATIVES, administration & dosage/ HYPOTENSION, complications/ KIDNEY, blood supply/ KIDNEY, physiology/ KIDNEY CONCENTRATING ABILITY/ KIDNEY CORTEX NECROSIS, etiology/ KIDNEY FAILURE, ACUTE, diagnosis/ KIDNEY FAILURE, ACUTE, drug therapy/ KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FAILURE, ACUTE, therapy/ PREGNANCY/ *PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ PROSTAGLANDINS, physiology/ RABBITS/ RENIN, physiology/ REVIEW/ *SEPTICEMIA, complications/ *SHOCK, ENDOTOXIC, complications/ SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TRANQUILIZING AGENTS, administration & dosage/ WATER-ELECTROLYTE BALANCE

ens CW: Antifertility activities in the mouse and of triarylalkenes and triarylalkanols with basic er groups. J Reprod Fertil 34:23-8, Jul 73
ALCOHOLS, pharmacodynamics/ *ALKENES, pharmacodynamics/ AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ ESTRADIOL, antagonists & inhibitors/ *ETHERS, pharmacodynamics/ FEMALE/ METHYLAMINES, pharmacodynamics/ MICE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

ns CW: Inhibitors of implantation. eprod Fertil [Suppl] 18:177-84, Jul 73
KENES, pharmacodynamics/ AMINO COHOLS, pharmacodynamics/ ANIMAL PERIMENTS/ ANTIMETABOLITES, rmacodynamics/ CLOMIPHENE, rmacodynamics/ COITUS/ NTRACEPTIVE AGENTS/ ESTRADIOL, agonists & inhibitors/ *ESTROGENS, agonists & inhibitors/ ESTROGENS, pharmacodynamics/ ETHYLAMINES, pharmacodynamics/ FALLOPIAN TUBES, physiology/ METHYLAMINES/ MICE/ *NIDATION, drug effects/ NORSTEROIDS, pharmacodynamics/ RATS/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1054. Emmens CW, Carr WL: Further studies of compounds exhibiting prolonged antioestrogenic and antifertility activity in the mouse. J Reprod Fertil 34:29-40, Jul 73
ADMINISTRATION, ORAL/ *AMINO ALCOHOLS, pharmacodynamics/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ CORPUS LUTEUM, drug effects/ *ESTRADIOL, antagonists & inhibitors/ ESTRUS, drug effects/ FEMALE/ FERTILITY, drug effects/ INJECTIONS, SUBCUTANEOUS/ LH, secretion/ *METHYLAMINES, pharmacodynamics/ MICE/ NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, biosynthesis/ TIME FACTORS/ UTERUS, cytology/ VAGINAL SMEARS

1055. Emmers R: Interaction of neural systems which control body water. Brain Res 49:323-47, 30 Jan 73
ANIMAL EXPERIMENTS/ *BODY FLUIDS/ BODY WATER/ CATS/ CHEMORECEPTORS, physiology/ CHLORIDES, blood/ ELECTRIC STIMULATION/ FEEDBACK/ FEMALE/ *HYPOTHALAMUS, physiology/ OSMOLAR CONCENTRATION/ SODIUM, blood/ TASTE/ *THALAMIC NUCLEI, physiology/ *WATER/ *WATER-ELECTROLYTE BALANCE

1056. Emmerson BT: Chronic lead nephropathy. Kidney Int 4:1-5, Jul 73
ADULT/ BONE AND BONES, analysis/ CELLULAR INCLUSIONS/ CHELATING AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ EDTA, therapeutic use/ ENVIRONMENTAL EXPOSURE/ FEMALE/ GOUT, complications/ HUMAN/ KIDNEY, pathology/ *KIDNEY FAILURE, CHRONIC, chemically induced/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY TUBULES, pathology/ LEAD, analysis/ LEAD, metabolism/ LEAD, urine/ *LEAD POISONING, complications/ LEAD POISONING, etiology/ LEAD POISONING, pathology/ MALE/ PAIN/ TIME FACTORS/ URIC ACID, urine

1057. Enders AC: Cytology of the corpus luteum. Biol Reprod 8:158-82, Mar 73 (75 ref.)
ANIMAL EXPERIMENTS/ ARTIODACTYLA/ CARNIVORA/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHIROPTERA/ *CORPUS LUTEUM, cytology/ CORPUS LUTEUM, metabolism/ CYTOPLASMIC GRANULES/ EDENTATA/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HUMAN/ INSECTIVORA/ LIPIDS, analysis/ MARSUPIALIA/ MICROSCOPY, ELECTRON/ PREGNANCY/ PROGESTERONE, biosynthesis/ REVIEW/ RODENTS

1058. Endersby CA, Wilson C: The effect of ovarian steroids on the uptake of 3H-noradrenaline, 3H-dopamine and 3H-5-hydroxytryptamine by hypothalamic tissue in vitro. Br J Pharmacol 47:647P-648P, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ *DOPAMINE, metabolism/ DRUG INTERACTIONS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ *NOREPINEPHRINE, metabolism/ OVARY, physiology/ OVULATION, drug effects/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM

1059. Endes P, Gomba S, Dévényi I, et al: Structure and function of the juxtaglomerular apparatus. Morphol Igazsagugyi Orv Sz 13:249-56, Aug 73
ANIMAL EXPERIMENTS/

HISTOCYTOCHEMISTRY/ *JUXTAGLOMERULAR APPARATUS, anatomy & histology/ JUXTAGLOMERULAR APPARATUS, physiology/ MICE/ RABBITS/ RATS/ RENIN, biosynthesis/ RENIN, secretion

1060. **Endo M:** [Radioimmunoassay of human growth hormone by adsorption to talc]
Folia Endocrinol Jap 49:1001-10, 20 Jul 73 (Jap)
ACROMEGALY, blood/ ADSORPTION/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FASTING/ HORSES, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TALC

1061. **Endo M, Yosizawa Z:** Hormonal effect on glycoproteins and glycosaminoglycans in rabbit uteri.
Arch Biochem Biophys 156:397-403, Jun 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CHONDROITIN/ CHONDROITIN, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DEPRESSION, CHEMICAL/ ELECTROPHORESIS/ ELECTROPHORESIS, PAPER/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCOSE, metabolism/ *GLYCOPROTEINS, metabolism/ GLYCOSIDE HYDROLASES/ HEPARIN/ HYALURONIC ACID, metabolism/ HYALURONIDASE/ *MUCOPOLYSACCHARIDES, metabolism/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ PRONASE/ RABBITS/ STIMULATION, CHEMICAL/ SULFURIC ACIDS, metabolism/ UTERUS, drug effects/ *UTERUS, metabolism

1062. **Engebretsen O:** An atypical form of Corynebacterium pyogenes isolated from a case of chronic bovine mastitis. Nord Vet Med 24:639-44, Dec 72
ANIMAL EXPERIMENTS/ CATTLE/ CHRONIC DISEASE/ *CORYNEBACTERIUM, isolation & purification/ CORYNEBACTERIUM, pathogenicity/ CORYNEBACTERIUM PYOGENES, isolation & purification/ FEMALE/ GUINEA PIGS/ LACTATION/ *MASTITIS, BOVINE, microbiology/ MICROBIAL SENSITIVITY TESTS/ STAINS AND STAINING

1063. **Engel JJ, Scruggs W, Wilson DE:** Failure of SC-19220 to affect prostaglandin E1 (PGR1) gastric antisecretory actions. Prostaglandins 4:65-70, Jul 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *DIBENZOXAZEPINES, pharmacodynamics/ *GASTRIC JUICE, drug effects/ GASTRIC JUICE, secretion/ HYDRAZINES, administration & dosage/ HYDRAZINES, pharmacodynamics/ *HYDRAZINES, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LIGATION/ MALE/ OXEPINS, administration & dosage/ *OXEPINS, pharmacodynamics/ PEPSIN, metabolism/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ PYLORUS/ RATS/ STIMULATION, CHEMICAL

1064. **Engel T, Greer B, Kochenour N, et al:** Midtrimester abortion using prostaglandin F2alpha, oxytocin, and laminaria. Fertil Steril 24:565-8, Aug 73
*ABORTION, THERAPEUTIC/ ABORTION, THERAPEUTIC, adverse effects/ ADOLESCENCE/ ADULT/ AMNIOCENTESIS/ AMNION/ CURETTAGE/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LABOR/ MEPERIDINE, administration & dosage/ METHODS/ OXYTOCIN, administration & dosage/ *OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ *SEAWEED/ UTERINE HEMORRHAGE, etiology/ VOMITING, chemically induced

1065. **Engel WK, Warmolts JR:** Multiplicity of n
changes postulated from motoneuron abnorma
Muscle Biol 1:229-53, 1972 (76 ref.)
ELECTROMYOGRAPHY/ HUMAN/ HYPERTHYROIDISM, physiopathology/ ISCHEMIA/ MODELS, BIOLOGICAL/ *MO NEURONS, physiopathology/ MUSCLE DENERVATION/ MUSCLES, blood supply MUSCULAR ATROPHY, etiology/ MUSCU DYSTROPHY, physiopathology/ MYASTHI GRAVIS, physiopathology/ MYOFIBRILS, growth & development/ MYOTONIA, physiopathology/ *NEUROMUSCULAR DISEASES, physiopathology/ REVIEW

1066. **Engel-Rae M, Henning U:** Synthesis of the
pyruvate dehydrogenase complex: non-depe
on 3'-5'-cyclic AMP.
Biochem Biophys Res Commun 53:812-7, 6
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE/ ALLELES/ COLIPHAGES, metabolism/ ESCHERICHI COLI, drug effects/ *ESCHERICHIA COI enzymology/ GENES/ *MULTIENZYME COMPLEXES, biosynthesis/ MUTATION/ PLAQUE ASSAY/ PYRUVATE DEHYDROGENASE COMPLEX, biosynthe PYRUVATE DEHYDROGENASE COMPLE metabolism/ TRANSDUCTION, GENETIC

1067. **Engelhardt D, Karl HJ:** Testosterone metabo
slices and subcellular fractions of human
Acta Endocrinol [Suppl] (Kbh) 173:132,
ANDROGENS, metabolism/ ANDROSTAN metabolism/ ANDROSTENEDIONE, meta ANDROSTERONE, metabolism/ CHROMATOGRAPHY, GAS/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, metaboli IN VITRO/ 17-KETOSTEROIDS, metaboli *LIVER, metabolism/ NAD, pharmacodyr NADP, pharmacodynamics/ STEROLS, metabolism/ SUBCELLULAR FRACTION metabolism/ *TESTOSTERONE, metaboli TRITIUM

1068. **Entwisle BR:** Behcet's syndrome.
Australas J Dermatol 13:114, Dec 72
ADRENAL CORTEX HORMONES, thera use/ *BEHCET'S SYNDROME, therapy/ REPORT/ CHILD/ HUMAN/ MALE

1069. **Enwonwu CO:** Elements of dietetics for the
practitioner. Int Dent J 23:317-27, Jun
COUNSELING/ *DIETETICS/ *GENERA PRACTICE, DENTAL/ HEALTH EDUCA DENTAL/ HUMAN/ LACTATION/ MAXILLOFACIAL DEVELOPMENT/ MO DISEASES, prevention & control/ *NUTRITION/ NUTRITIONAL REQUIREMENTS/ *ORAL HEALTH/ PREGNANCY/ PREVENTIVE DENTISTI

1070. **Enwonwu CO:** Experimental protein-calori
malnutrition in the guinea pig and evaluatio
role of ascorbic acid status. Lab Invest 29:17-
ADRENAL GLANDS, analysis/ AMINO blood/ AMINO ACIDS, metabolism/ AN EXPERIMENTS/ ASCORBIC ACID, anal *ASCORBIC ACID, pharmacodynamics/ PROTEINS, analysis/ BODY WEIGHT/ CHEMISTRY/ CARBON ISOTOPES/ DI PROTEINS/ DNA, analysis/ EDEMA, e GUINEA PIGS/ *KWASHIORKOR/ LIV analysis/ LIVER, cytology/ MALE/ GR WEIGHT/ RIBOSOMES, metabolism/ R analysis

1071. **Epstein S, Ranchod M, Goldswain PR:**
insufficiency, inappropriate antidiuretic
(ADH) secretion, and carcinoma of the
Cancer 32:476-81, Aug 73
AUTOPSY/ BRAIN NEOPLASMS/ *BRONCHIAL NEOPLASMS, complicati *CARCINOMA, BRONCHOGENIC, complications/ CARCINOMA, OAT CEI complications/ CASE REPORT/ HUMA *HYPOPITUITARISM, etiology/ HYPOTHALAMUS/ MALE/ MICROSCO ELECTRON/ MIDDLE AGE/ NEOPLA

METASTASIS/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ PITUITARY GLAND, analysis/ PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, pathology/ VASOPRESSIN, analysis/ *VASOPRESSIN, secretion

Epstein S, Van Mieghem W, Sagel J, et al: Effect of single large doses of oral calcium on serum calcium levels in the young and the elderly.
Metabolism 22:1163-73, Sep 73
ADMINISTRATION, ORAL/ ADULT/ AGE FACTORS/ AGED/ *CALCIUM, blood/ CALCIUM, pharmacodynamics/ CALCIUM, urine/ CALCIUM CARBONATE, administration & dosage/ *CALCIUM CARBONATE, pharmacodynamics/ ERGOCALCIFEROL, administration & dosage/ ERGOCALCIFEROL, pharmacodynamics/ FEMALE/ GLUCONATES, pharmacodynamics/ HUMAN/ HYPERCALCEMIA, chemically induced/ INJECTIONS, INTRAMUSCULAR/ LACTATES, pharmacodynamics/ MALE/ TIME FACTORS

Erdmann G, Gelbhaar H, Politer J: Zur Veträglichkeit des normozyklischen Sequenzpräparates Oraconal und einiger hormonneutraler sowie gestagenbetonter Kontrazeptiva in der ärztlichen Praxis. Ergebnis einer Gemeinschaftsstudie von 173 niedergelassenen Gynäkologen an 1539 Frauen.
Fortschr Med 91:Suppl:303-10, Mar 73 (Ger)
ADOLESCENCE/ ADULT/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, therapeutic use/ DEPRESSION, chemically induced/ *DRUG TOLERANCE/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LIBIDO, drug effects/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, chemically induced/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTATIONAL HORMONES, therapeutic use

Grecińska M, Oshino R, Oshino N, et al: The b cytochromes in succinate--cytochrome c reductase from pigeon breast mitochondria.
Arch Biochem Biophys 152:431-45, Aug 73
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ ANTIMYCIN A/ CYTOCHROME C/ CYTOCHROME REDUCTASES, analysis/ CYTOCHROME REDUCTASES, isolation & purification/ CYTOCHROME REDUCTASES, metabolism/ DEOXYCHOLIC ACID/ DIALYSIS/ EVALUATION STUDIES/ FLAVINS, analysis/ HEME, analysis/ IRON, analysis/ METHODS/ *MITOCHONDRIA, MUSCLE, enzymology/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, isolation & purification/ PIGEONS/ POTENTIOMETRY/ SPECTROPHOTOMETRY/ SUCCINATES/ SURFACE-ACTIVE AGENTS/ THIOCYANATES/ UBIQUINONE, analysis

Griksen E: Fractura ossis phalangis tertiae hos en giraf. En kasuistisk meddelelse.
Nord Vet Med 24:440-5, Sep 72 (Dan)
ANIMAL EXPERIMENTS/ *ANIMALS, ZOO/ *ARTIODACTYLA/ CALCIUM, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FRACTURES, drug therapy/ *FRACTURES, therapy/ *HOOF AND CLAW, injuries/ REST/ VITAMIN A, therapeutic use/ VITAMIN D, therapeutic use

Gulksson BO, Gollnick PD, Saltin B: Muscle metabolism nd enzyme activities after training in boys 11-13 ears old.
Acta Physiol Scand 87:485-97, Apr 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADOLESCENCE/ BIOPSY, NEEDLE/ CHILD/ CREATINE, metabolism/ *EXERTION/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HEART RATE/ HUMAN/ LACTATES, blood/ LACTATES, metabolism/ MALE/ MUSCLES, anatomy & histology/ MUSCLES, enzymology/ *MUSCLES, metabolism/ OXYGEN CONSUMPTION/ PHOSPHOFRUCTOKINASE, metabolism/ PYRUVATES, metabolism/ RNA, metabolism/ SPIROMETRY/ SPORTS/ SUCCINATE DEHYDROGENASE, metabolism/ TESTIS, anatomy & histology

1077. **Erlanger BF:** Principles and methods for the preparation of drug protein conjugates for immunological studies.
Pharmacol Rev 25:271-80, Jun 73 (74 ref.)
ALDEHYDES/ AMINES/ ANHYDRIDES/ CARBAMATES/ CARBODIIMIDES/ CARDANOLIDES/ CHEMISTRY/ *DRUGS/ FIBRINOGEN/ GLOBULINS/ HAPTENS/ HEMOCYANIN/ HUMAN/ KETONES/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ *PROTEINS/ REVIEW/ SERUM ALBUMIN/ STEROIDS/ SUCCINATES

1078. **Erlanson C, Fernlund P, Borgström B:** Purification and characterization of two proteins with co-lipase activity from porcine pancreas.
Biochim Biophys Acta 310:437-45, 15 Jun 73
ALCOHOL, ETHYL/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ DANSYL COMPOUNDS/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ GEL FILTRATION/ HEXOSAMINES, analysis/ *LIPASE/ *PANCREAS, analysis/ PANCREATIC JUICE, analysis/ PRECIPITATION/ *PROTEINS/ PROTEINS, analysis/ PROTEINS, isolation & purification/ SWINE/ THIOCYANATES

1079. **Ertl N:** 'Systemic effects' during the growth of malignant experimental tumors. SIgnificance of unspecific organ changes in the host organism as 'inherent factors' of the experiment.
Oncology 27:415-29, 1973
ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENAL GLAND HYPERFUNCTION, metabolism/ ADRENAL GLAND HYPERFUNCTION, physiopathology/ ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARCINOMA 256, WALKER, complications/ CARCINOMA 256, WALKER, metabolism/ *CARCINOMA 256, WALKER, physiopathology/ DNA, biosynthesis/ FEMALE/ LIVER, metabolism/ *LIVER, physiopathology/ LIVER REGENERATION/ RATS/ RATS, INBRED STRAINS/ THYMIDINE, metabolism/ THYMUS GLAND, metabolism/ *THYMUS GLAND, physiopathology/ TRITIUM

1080. **Erwin CW, Gerber CJ:** Electroencephalography.
Prog Neurol Psychiatry 27:163-82, 1972 (170 ref.)
ALPHA RHYTHM/ ANIMAL EXPERIMENTS/ BRAIN, physiology/ BRAIN, physiopathology/ BRAIN DISEASES, diagnosis/ BRAIN NEOPLASMS, diagnosis/ CEREBRAL ANEURYSM, diagnosis/ COMA, diagnosis/ CONTINGENT NEGATIVE VARIATION/ CUSHING'S SYNDROME, physiopathology/ *ELECTROENCEPHALOGRAPHY/ EPILEPSY, diagnosis/ EVOKED POTENTIALS/ HUMAN/ MENTAL DISORDERS, diagnosis/ MODELS, NEUROLOGIC/ POISONING, diagnosis/ PROGNOSIS/ REVIEW/ SLEEP, REM

1081. **Escobar del Rey F:** Exploración del eje TRH-TSH-tiroides.
Rev Iber Endocrinol 20:235-67, May-Jun 73 (Ger)
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ IN VITRO/ IODINE ISOTOPES/ MICE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ RATS/ STIMULATION, CHEMICAL/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROTROPIN, biosynthesis/ THYROTROPIN, blood/ THYROTROPIN,

secretion/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

1082. **Espiner EA, Donald RA:** Pituitary and gonadal function in hypogonadotrophic hypogonadism.
Acta Endocrinol (Kbh) 73:209-21, Jun 73
ADULT/ BIOPSY/ BLOOD SUGAR, metabolism/ CLOMIPHENE, pharmacodynamics/ CORTICOTROPIN, blood/ ESTROGENS, therapeutic use/ FEMALE/ FSH, blood/ HUMAN/ HYPOGONADISM, drug therapy/ HYPOGONADISM, pathology/ *HYPOGONADISM, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ MALE/ METYRAPONE, diagnostic use/ OVARY, pathology/ PITUITARY GLAND FUNCTION TESTS/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TESTIS, pathology/ TESTOSTERONE, therapeutic use

1083. **Espinoza A, Nowakowski H, Kautzky R, et al:** ACTH determinations before and after selective removal of pituitary adenomas in Nelson's syndrome.
Acta Endocrinol [Suppl] (Kbh) 173:34, 1973
*ADENOMA, surgery/ ADRENALECTOMY/ *CORTICOTROPIN, blood/ CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ MALE/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, surgery

1084. **Essman WB, Heldman E:** Impairment of avoidance acquisition and altered regional brain amine levels in mice with uremic endotoxemia.
Physiol Behav 8:143-6, Jan 72
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ BLOOD UREA NITROGEN/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CEREBELLUM, metabolism/ DIENCEPHALON, metabolism/ HYDROXYINDOLEACETIC ACID, analysis/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *MEMORY/ MICE/ NEPHRECTOMY/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ TELENCEPHALON, metabolism/ UREMIA, etiology/ *UREMIA, metabolism

1085. **Estrada RV, Jones S, Barrio E:** Hipospadias, retraso mental e hipotiroidismo congénito.
Rev Clin Esp 129:593-6, 30 Jun 73 (Spa)
CASE REPORT/ CHILD/ HUMAN/ *HYPOSPADIAS, complications/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, congenital/ KARYOTYPING/ MALE/ *MENTAL RETARDATION, complications

1086. **Ettigi P, Lal S, Friesen HG:** Prolactin, phenothiazines, admission to mental hospital, and carcinoma of the breast. Lancet 1:266-7, 4 Aug 73
ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, blood/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, complications/ DRUG INTERACTIONS/ FEMALE/ HOSPITALIZATION/ HOSPITALS, PSYCHIATRIC/ HUMAN/ MENTAL DISORDERS, drug therapy/ MICE/ *PHENOTHIAZINES, adverse effects/ PHENOTHIAZINES, pharmacodynamics/ *PROLACTIN, blood/ PROLACTIN, pharmacodynamics/ RATS/ SCHIZOPHRENIA, complications/ SCHIZOPHRENIA, drug therapy

1087. **Evans ER:** Potassium deficiency during treatment with Brinaldix K. Br Med J 3:350, 11 Aug 73
*AMIDES, adverse effects/ CLOPAMIDE, adverse effects/ DIET, SALT-FREE/ *DIURETICS, adverse effects/ HUMAN/ HYPERALDOSTERONISM/ *HYPOKALEMIA, chemically induced/ *PIPERIDINES, adverse effects/ POTASSIUM, therapeutic use/ POTASSIUM, urine

1088. **Evans GW:** Copper homeostasis in the mammalian system. Physiol Rev 53:535-70, Jul 73 (259 ref.)
ADRENAL CORTEX HORMONES, physiology/ ALBUMINS, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIL metabolism/ BIOLOGICAL TRANSPORT/ BRAIN DISEASES, familial & genetic/ CERULOPLASMIN, metabolism/ *COPPER/ COPPER, metabolism/ CYTOCHROME OXIDASE, metabolism/ ERYTHROCYTES, metabolism/ GROWTH DISORDERS, metabolism/ HAIR/ HEPATOLENTICULAR DEGENERATION, metabolism/ HOMEOSTASIS/ HUMAN/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, metabolism/ LIVER, metabolism/ MENTAL RETARDATION/ PITUITARY HORMONES, physiology/ REVIEW/ SEX HORMONES, physiology/ STOMACH, metabolism/ THYR HORMONES, physiology

1089. **Evans JM:** CT1341 and feline anaesthesia.
Vet Rec 92:381, 7 Apr 73
*ANESTHESIA, GENERAL, veterinary/ *ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ *CATS/ HEART, drug effects/ KETONES, adverse effects/ MYOCARDIUM, pathology/ *PREGNANES, adverse effects

1090. **Evdokimova VM, Sakharov BV:** Kliniko-rentgenologicheskaia kharakteristika perelomov pozvondov pri gormonal'noĭ spondilo
Vestn Rentgenol Radiol 48:12-5, May-Jun 73
AGED/ *ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ FRACTURES, etiology/ *FRACTURES, radiography/ HUMAN/ MID AGE/ OSTEOPOROSIS, complications/ *SPINAL DISEASES, complications/ SPIN INJURIES, etiology/ *SPINAL INJURIES, radiography

1091. **Evered D, Young ET, Ormston BJ, et al:** Treatm hypothyroidism: a reappraisal of thyroxine the
Br Med J 3:131-4, 21 Jul 73
HUMAN/ *HYPOTHYROIDISM, drug thera IODINE ISOTOPES/ THYROID GLAND FUNCTION TESTS/ THYROIDECTOMY/ THYROTROPIN, blood/ *THYROXINE, therapeutic use/ TRIIODOTHYRONINE, bl

1092. **Evered DC:** The radioimmunoassay of triiodothyr in unextracted human serum.
Clin Sci 44:6P passim, Feb 73
HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ RABBITS/ RADIOIMMUNOASS/ *TRIIODOTHYRONINE, blood

1093. **Everett JW, Krey LC, Tyrey L:** The quanti relationship between electrochemical preop stimulation and LH release in proestrous late-diestrous rats. Endocrinology 93:947-53,
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *ESTRUS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ IRON, pharmacodynamics/ *L blood/ OVULATION/ RADIOIMMUNOASS/ RATS

1094. **Evseeva SN:** Effektivnost' lecheniia detsimetr volnami bol'nykh bronkhial'noĭ astmoĭ.
Vopr Kurortol Fizioter Lech Fiz Kult 37:
Nov-Dec 72
ADULT/ AGED/ ASTHMA, blood/ *ASTH therapy/ DIATHERMY/ *ELECTROTHERA FEMALE/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ MICROWAVES/ MIDDLE AGE/ RESPIRATORY FUNCTION TESTS

1095. **Ewing PA, Whittaker JA:** Acute leukemia in preg
Obstet Gynecol 42:245-51, Aug 73
ABORTION, complications/ ABORTION, THERAPEUTIC/ ADULT/ BLOOD COAGULATION TESTS/ BLOOD PLATEI BLOOD TRANSFUSION/ FEMALE/ HUM LABOR, INDUCED/ *LEUKEMIA, MYELOBLASTIC/ LEUKEMIA, MYELOBLASTIC, blood/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKE MYELOBLASTIC, therapy/ LEUKEMIA,

MYELOCYTIC, diagnosis/ MERCAPTOPURINE, therapeutic use/ PREDNISOLONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, blood/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, diagnosis/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, drug therapy/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, therapy

Exton JH, Lewis SB, Ho RJ, et al: The role of cyclic AMP in the control of hepatic glucose production by glucagon and insulin.
Adv Cyclic Nucleotide Res 1:91-101, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ EPINEPHRINE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ *GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ PERFUSION/ RATS/ TIME FACTORS

Eybl V, Sýkora J, Koutenská M, et al: Effect of spironolactone, thiomestrone and dimercaprol on the toxicity, retention and distribution of mercury in the mouse. Arzneim Forsch 23:867-70, Jun 73
*ANDROSTENES, pharmacodynamics/ ANDROSTENOL, pharmacodynamics/ ANDROSTENOL, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIDOTES, pharmacodynamics/ ANTIDOTES, therapeutic use/ BRAIN, metabolism/ *DIMERCAPROL, pharmacodynamics/ DIMERCAPROL, therapeutic use/ DRUG ANTAGONISM/ GASTROINTESTINAL SYSTEM, metabolism/ KETOSTEROIDS, pharmacodynamics/ KETOSTEROIDS, therapeutic use/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ *MERCURY, metabolism/ MERCURY ISOTOPES/ MERCURY POISONING, drug therapy/ MICE/ *SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use/ SPLEEN, metabolism/ SULFIDES, pharmacodynamics/ SULFIDES, therapeutic use/ TESTIS, metabolism

yre DR: An automated method for continuous-flow analysis of radioactivity applicable to the study of collagen crosslinks. Anal Biochem 54:619-23, Aug 73
AMINO ACIDS, analysis/ AMMONIA/ AUTOANALYSIS/ AUTOANALYSIS, instrumentation/ BONE AND BONES, analysis/ BOROHYDRIDES/ CARBON ISOTOPES/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ *COLLAGEN, analysis/ CYANIDES/ METHODS/ OXIDATION-REDUCTION/ TRITIUM

yre P, Lewis AJ, Wells PW: Acute systemic anaphylaxis in the calf.
Br J Pharmacol 47:504-16, Mar 73
*ANAPHYLAXIS, metabolism/ ANAPHYLAXIS, veterinary/ ANIMAL EXPERIMENTS/ ANTHRANILIC ACID, pharmacodynamics/ ANTIHISTAMINICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ CATTLE/ *CATTLE DISEASES, metabolism/ DIETHYLCARBAMAZINE, pharmacodynamics/ DISODIUM CROMOGLYCATE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEART RATE, drug effects/ HISTAMINE, blood/ HISTAMINE, metabolism/ HORSES, immunology/ HYPOTENSION, metabolism/ IMMUNE SERUMS/ LUNG, metabolism/ METHYSERGIDE, pharmacodynamics/ PERFUSION/ SEROTONIN, blood/ SRS-A, antagonists & inhibitors/ TOLUENE, pharmacodynamics/ VAGOTOMY

F

bre J, Delsol G, Vincent F, et al: Aspects orphologiques des coagulopathies de onsommation. A propos de 36 cas.
Arch Anat Pathol (Paris) 21:211-24, Sep 73 (Fre)
ADRENAL GLANDS, pathology/ *DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, pathology/ HUMAN/ KIDNEY, pathology/ KUPFFER CELLS/ LIVER, pathology/ LUNG, pathology/ MICROSCOPY, ELECTRON/ PHAGOCYTOSIS/ SKIN, pathology/ SPLEEN, pathology/ UTERUS, pathology

1101. **Faglia G, Ambrosi B, Beck-Peccoz P, et al:** Hypothalamic-pituitary-adrenal function in patients with pituitary tumours.
Acta Endocrinol (Kbh) 73:223-32, Jun 73
*ACROMEGALY, physiopathology/ *ADENOMA, CHROMOPHOBE, physiopathology/ ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ CHILD/ CORTICOTROPIN, diagnostic use/ *CRANIOPHARYNGIOMA, physiopathology/ DEXAMETHASONE, diagnostic use/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOGLYCEMIA/ *HYPOTHALAMUS, physiopathology/ INSULIN, diagnostic use/ LYSINE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, physiopathology/ *PITUITARY NEOPLASMS, physiopathology/ PYROGENS, diagnostic use/ SELLA TURCICA, pathology/ VASOPRESSIN, diagnostic use

1102. **Faglia G, Beck-Peccoz P, Travaglini P, et al:** Elevations in plasma growth hormone concentration after luteinizing hormone-releasing hormone (LRH) in patients with active acromegaly.
J Clin Endocrinol Metab 37:338-40, Aug 73
*ACROMEGALY, blood/ ADENOMA, CHROMOPHOBE, blood/ ADULT/ FEMALE/ HUMAN/ INSULIN, pharmacodynamics/ *LH/ MALE/ MIDDLE AGE/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY NEOPLASMS, blood/ *SOMATOTROPIN, blood/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

1103. **Faglia G, Ferrari C, Beck-Peccoz P, et al:** Reduced plasma thyrotropin response to thyrotropin releasing hormone after dexamethasone administration in normal subjects. Horm Metab Res 5:289-92, Jul 73
ADULT/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ PITUITARY GLAND, drug effects/ RADIOIMMUNOASSAY/ THYROID GLAND, drug effects/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism

1104. **Fain JN, Psychoyos S, Czernik AJ, et al:** Indomethacin, lipolysis, and cyclic AMP accumulation in white fat cells. Endocrinology 93:632-9, Sep 73
ADENINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEEDBACK/ FEMALE/ GLYCERIN, metabolism/ HYDROGEN-ION CONCENTRATION/ *INDOMETHACIN, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, physiology/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRITIUM

1105. **Fainshtein FE, Kovaleva IG, Isaev VG, et al:** Sovremennaia taktika terapii ostrogo leikoza.
Ter Arkh 44:3-10, Nov 72 (Rus)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ *ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *LEUKEMIA, drug therapy/ MALE/ *MERCAPTOPURINE, therapeutic use/ *PREDNISOLONE, therapeutic use/ RECURRENCE/ REMISSION

1106. **Fairley GH**: The treatment of Hodgkin's disease.
Trans Med Soc Lond 88:61-71, 1972
AGRANULOCYTOSIS, chemically induced/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BONE MARROW DISEASES, chemically induced/ CHLORAMBUCIL, therapeutic use/ DRUG COMBINATIONS/ HODGKIN'S DISEASE, classification/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ PROGNOSIS/ RADIOTHERAPY DOSAGE, standards/ REMISSION/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

1107. **Faivre J, Pecker J, Simon J, et al**: Pubertě přěcoce et tumeurs du troisiěme ventricule.
Probl Actuels Endocrinol Nutr 16:201-48, 3 May 73 **(Fre)**
*CEREBRAL VENTRICLE NEOPLASMS, complications/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, complications/ CYSTS, complications/ DYSEMBRYOMA, complications/ FEMALE/ GLIOMA, complications/ HAMARTOMA, complications/ HUMAN/ HYPOTHALAMUS/ INTRACRANIAL PRESSURE/ MALE/ MAMMILLARY BODIES/ PNEUMOENCEPHALOGRAPHY/ *PUBERTY, PRECOCIOUS/ SEX CHARACTERISTICS/ VENTRICULOGRAPHY

1108. **Falk SA, Woods NF**: Hospital noise--levels and potential health hazards.
N Engl J Med 289:774-81, 11 Oct 73
ACOUSTIC STIMULATION/ ACOUSTIC TRAUMA, etiology/ ANTIBIOTICS, adverse effects/ CONSTRICTION/ HEARING DISORDERS, etiology/ HOSPITAL EQUIPMENT AND SUPPLIES/ HOSPITAL PERSONNEL/ *HOSPITALS/ HUMAN/ INCUBATORS/ INFANT, NEWBORN/ INTENSIVE CARE UNITS/ *NOISE/ NOISE, prevention & control/ PATIENTS/ PITUITARY-ADRENAL SYSTEM/ SLEEP/ VASOMOTOR SYSTEM, physiology

1109. **Fanti V**: Isolation of urinary 3, 16 -dihydroxyandrost-5-en-17-one in adrenal carcinoma.
J Endocrinol 56:615-6, Mar 73
*ADRENAL GLAND NEOPLASMS, urine/ *ANDROSTANES, urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *ESTRIOL, urine/ HUMAN/ *17-KETOSTEROIDS, urine

1110. **Farber M, Palmer PE, Bull MJ**: Pure gonadal dysgenesis with bilateral gonadoblastomas.
Obstet Gynecol 42:186-92, Aug 73
ADULT/ CALCINOSIS, complications/ CALCINOSIS, pathology/ CALCINOSIS, surgery/ CASTRATION/ *DISGERMINOMA, complications/ DISGERMINOMA, pathology/ DISGERMINOMA, surgery/ FEMALE/ *GONADS/ GONADS, pathology/ HUMAN/ HYSTERECTOMY/ KARYOTYPING/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, pathology/ TURNER'S SYNDROME, surgery/ *UROGENITAL NEOPLASMS, complications/ UROGENITAL NEOPLASMS, pathology

1111. **Farid NR, Von Westarp C, Row VV, et al**: Increase of T cells in Graves' disease.
Lancet 2:204-5, Jul 73
GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, immunology/ GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ IODINE ISOTOPES, therapeutic use/ TIME FACTORS

1112. **Farmer GW, Vincent MM, Fuccillo DA, et al**: Viral investigations in ulcerative colitis and regional enteritis.
Gastroenterology 65:8-18, Jul 73
*ANTIBODIES, VIRAL/ ANTIBODY FORMATION/ BIOPSY/ COLITIS, ULCERATIVE, immunology/ *COLITIS, ULCERATIVE, microbiology/ COMPLEMEN FIXATION TESTS/ CORTICOSTERONE, adverse effects/ *CYTOMEGALOVIRUSES, immunology/ CYTOMEGALOVIRUSES, isol & purification/ CYTOPATHOGENIC EFFE VIRAL/ ENTERITIS, REGIONAL, immuno *ENTERITIS, REGIONAL, microbiology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ MICROSCOP ELECTRON/ TISSUE CULTURE/ VIRUS CULTIVATION

1113. **Farstad M, Aas M, Sander J**: Long-chain acy synthetase activity in blood platelets and some h tissues.
Scand J Clin Lab Invest 31:205-11, M
ACETYL COENZYME A, metabolism/ ADIPOSE TISSUE, enzymology/ ADOLESCENCE/ *ADRENAL GLANDS, enzymology/ *BLOOD PLATELETS, enzymology/ *COENZYME A SYNTHETAS metabolism/ FATTY ACIDS, pharmacodynamics/ FEMALE/ HEPATOMA enzymology/ HUMAN/ LIVER, cytology/ *LIVER, enzymology/ LIVER NEOPLASMS enzymology/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL

1114. **Faryna de Raveglia I, Gómez CJ, Ghittoni NE**: E of thyroxine and growth hormone on the composition of the cerebral cortex and t cerebellum of developing rats.
Neurobiology 3:176-84, 1973
AGE FACTORS/ CEPHALINS, metabolism CEREBELLUM, drug effects/ *CEREBELI metabolism/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metaboli CEREBROSIDES, metabolism/ CHOLESTE metabolism/ DNA, metabolism/ FEMALE/ GANGLIOSIDES, metabolism/ LECITHINS metabolism/ *LIPIDS, metabolism/ MALE PHOSPHOLIPIDS, metabolism/ RATS/ *SOMATOTROPIN, pharmacodynamics/ SPHINGOMYELINS, metabolism/ THYROXINE, pharmacodynamics

1115. **Fassati M, Kotàsek A, Fassati P, et al**: Nedo dehydroepiandrosteronu jako neinfekčně epidemiologický faktor pro vznik pozdní g
Cesk Gynekol 38:56-8, 1973
CHOLESTEROL, metabolism/ *DEHYDROEPIANDROSTERONE, metaboli FEMALE/ HUMAN/ PREGNANCY/ PREGNANCY TOXEMIAS, etiology/ *PREGNANCY TOXEMIAS, metabolism

1116. **Fassati P, Břešták M, Fassati M, et al**: Pozdní ge obezita v dlouhodobém sledování po porc
Cesk Gynekol 38:82-3, 1973
ADULT/ DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HUMAN/ *OBESI etiology/ OBESITY, metabolism/ PREGNANCY/ *PREGNANCY TOXEMIAS complications/ PREGNANCY TOXEMIAS, metabolism/ *PUERPERIUM/ TIME FAC

1117. **Favez G**: Le traitement de la tuberculose pulm pleurale et vertébrale.
Schweiz Med Wochenschr 103:1057-60, 28 Jul 7
DEXAMETHASONE, therapeutic use/ DR HYPERSENSITIVITY/ ENGLISH ABSTRA ETHAMBUTOL, adverse effects/ ETHAMBUTOL, therapeutic use/ GLOMERULAR FILTRATION RATE, dru effects/ HUMAN/ ISONIAZID, adverse e ISONIAZID, therapeutic use/ *PLEURAL EFFUSION, drug therapy/ PYRIDOXINE therapeutic use/ RIFAMPIN, adverse eff RIFAMPIN, therapeutic use/ *TUBERCU PULMONARY, drug therapy/ *TUBERCULOSIS, SPINAL, drug therapy

1118. **Favus MJ, Walling MW, Kimberg DV**: Effe 1,25-dihydroxycholecalciferol on intestinal c transport in cortisone-treated rats.
J Clin Invest 52:1680-5, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, blood/ *CALCIUM, metabolis

*CORTISONE, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, drug effects/ DUODENUM, metabolism/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, blood/ MALE/ PHOSPHORUS, blood/ RATS/ VITAMIN D DEFICIENCY, metabolism

Fawell WN, Catz B: Attempt at thyroid ablation with radioactive iodine for the treatment of ophthalmopathy in Graves' disease.
Am J Med Sci 265:467-72, Jun 73
BLINDNESS, prevention & control/ EXOPHTHALMOS, therapy/ *EYE DISEASES, therapy/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ IODINE ISOTOPES/ LONG-ACTING THYROID STIMULATOR, analysis/ MYXEDEMA, therapy/ *RADIATION EFFECTS/ RADIOISOTOPE SCANNING/ RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ TEARS/ *THYROID GLAND, radiation effects/ THYROIDECTOMY/ THYROIDITIS, etiology

Faye I, Ruscher H, Bloc G: Utilisation de l'acétonide de triamcinolone (Kenacort Retard) en dermatologie tropicale.
Bull Soc Med Afr Noire Lang Fr 17:619-25, 1972 (Fre)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *SKIN DISEASES, drug therapy/ *TRIAMCINOLONE ACETONIDE, therapeutic use/ *TROPICAL MEDICINE

Fazekas AT, Homoki J, Pal SB, et al: Effect of age and sex on cortisol concentrations of peripheral tissues and adrenals in white guinea pigs.
Acta Endocrinol [Suppl] (Kbh) 173:32, 1973
*ADRENAL GLANDS, analysis/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ BRAIN STEM, analysis/ FEMALE/ GUINEA PIGS/ *HYDROCORTISONE, analysis/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ PUBERTY/ SEX FACTORS/ SPLEEN, analysis

Fedinets AV: Likvidatsiia endemicheskogo zoba v Zakarpat'e. Klin Khir 12:24-7, Dec 72 (Rus)
GOITER, ENDEMIC, history/ *GOITER, ENDEMIC, prevention & control/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ UKRAINE

Fehm HL, Voigt KH, Pfeiffer EF: Funktionsdiagnostik des Hypothalamus-Hypophysen-Nebennierensystems mit Hilfe der radioimmunologischen ACTH-Bestimmung.
Verh Dtsch Ges Inn Med 78:1515-8, 1972 (Ger)
ADRENAL GLAND DISEASES, blood/ BRAIN DISEASES, blood/ *CORTICOTROPIN, blood/ HUMAN/ HYPOTHALAMUS/ METHODS/ PITUITARY DISEASES, blood/ RADIOIMMUNOASSAY

Feigelson M: Studies on the postnatal development of responses of hepatic histidase to endocrine control.
Biochim Biophys Acta 304:869-85, 28 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *AMMONIA-LYASES, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CASTRATION/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ *ESTRADIOL, pharmacodynamics/ ETHIONINE, pharmacodynamics/ FEMALE/ *GLUCAGON, pharmacodynamics/ HISTIDASE, biosynthesis/ HISTIDASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, growth & development/ OVARY, physiology/ PITUITARY GLAND, physiology/ RATS/ SEX FACTORS/ THEOPHYLLINE, pharmacodynamics

Feinstein RJ, Halprin KM, Penneys NS, et al: Senile purpura. Arch Dermatol 108:229-32, Aug 73
AGE FACTORS/ AGED/ BROMELAINS, administration & dosage/ CHROMIUM ISOTOPES/ ERYTHEMA, complications/ ERYTHEMA, etiology/ *ERYTHROCYTES, analysis/ FLURANDRENOLONE, administration & dosage/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRADERMAL/ MALE/ MIDDLE AGE/ OCCLUSIVE DRESSINGS/ *PURPURA, blood/ PURPURA, etiology/ PURPURA, pathology/ ULTRAVIOLET RAYS

1126. **Fell LR, Findlay JK, Cumming IA, et al:** Effect of synthetic TRF on prolactin release in the sheep.
Endocrinology 93:487-91, Aug 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ LH, blood/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ SHEEP/ THYROTROPIN RELEASING FACTOR/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

1127. **Felt V:** Vztah růstového hormonu a hormonů štítné žlázy u člověka.
Cas Lek Cesk 112:1045-9, 24 Aug 73 (Cze)
ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, metabolism/ METABOLIC CLEARANCE RATE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, metabolism/ *THYROID HORMONES, metabolism

1128. **Felt V, Hušek P:** The different uptake of triiodothyronine and thyroxine by adipose tissue as compared with muscle or leucocytes in man.
Physiol Bohemoslov 22:51-3, 1973
*ADIPOSE TISSUE, metabolism/ FEMALE/ HUMAN/ *LEUKOCYTES, metabolism/ MALE/ *MUSCLES, metabolism/ *THYROXINE, metabolism/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, metabolism

1129. **Fenton AH:** Bone resorption and prosthodontics.
J Prosthet Dent 29:477-83, May 73 (32 ref.)
ACTION POTENTIALS/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ALVEOLAR PROCESS, physiopathology/ BINDING SITES/ BIOMECHANICS/ BONE REGENERATION/ *BONE RESORPTION/ BONE RESORPTION, etiology/ BONE RESORPTION, metabolism/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ COLLAGEN, metabolism/ *DENTAL PROSTHESIS/ HUMAN/ HYDROXYAPATITE, metabolism/ *JAW DISEASES/ JAW DISEASES, etiology/ JAW DISEASES, metabolism/ LYSOSOMES, metabolism/ PARATHYROID HORMONE, physiology/ PHOSPHATES, pharmacodynamics/ REVIEW/ SOLUBILITY/ STRESS, MECHANICAL/ THYROCALCITONIN, physiology/ VITAMIN D, pharmacodynamics

1130. **Feola RH:** La barrera epitelial argentófila (Polak) en el recién nacido.
Arch Fund Roux Ocefa 6:135-49, 1972 (Spa)
*CHROMAFFIN SYSTEM, cytology/ *EPITHELIAL CELLS/ HUMAN/ *INFANT, NEWBORN/ PIGMENTATION

1131. **Ferguson DR, Price RH:** The actions of cyclic nucleotides on the toad bladder.
Adv Cyclic Nucleotide Res 1:113-9, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARGININE/ BIOLOGICAL TRANSPORT/ BLADDER, anatomy & histology/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ CYCLIC P-OXIDES, metabolism/ CYCLIC P-OXIDES, pharmacodynamics/ INOSINE NUCLEOTIDES, metabolism/ *INOSINE NUCLEOTIDES, pharmacodynamics/ LYSINE/ SODIUM CHLORIDE, metabolism/ TRITIUM/ VASOPRESSIN, metabolism/ VASOTOCIN, metabolism/ WATER, metabolism

1132. **Fernández BE, Domínguez AE, Vidal NA:** Catecholamines: thyroid function and the sexual cycle in rats. Acta Endocrinol (Kbh) 73:273-81, Jun 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BODY WEIGHT, drug effects/ BRAIN, metabolism/ BRAIN STEM, metabolism/ CHROMATOGRAPHY/ *EPINEPHRINE, metabolism/ EPINEPHRINE, urine/ *ESTRUS/ FEMALE/ HALF-LIFE/ HEART RATE, drug effects/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ IODINE, pharmacodynamics/ MALE/ MONOAMINE OXIDASE INHIBITORS/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, urine/ PROGESTERONE, pharmacodynamics/ RATS/ TRIIODOTHYRONINE, pharmacodynamics/ *VANILMANDELIC ACID, urine

1133. **Fernandez de Molina A, Ispizua A:** Neuronal activity evoked in nucleus medialis dorsalis of the thalamus after stimulation of the amygdala.
Physiol Behav 8:135-8, Jan 72
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CATS/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ *EVOKED POTENTIALS/ MICROELECTRODES/ *NEURAL CONDUCTION/ NEURAL INTERCONNECTIONS, physiology/ *NEURONS, physiology/ REFRACTORY PERIOD, NEUROLOGIC/ STEREOTAXIC TECHNICS/ *THALAMIC NUCLEI, physiology

1134. **Ferramosca B, Masiello O:** Su un caso singolare di dismorfia corporea con diploidia XXY.
Folia Endocrinol (Roma) 25:161-73, Apr 72 (Ita)
ADULT/ CARBOHYDRATE METABOLISM, INBORN ERRORS, complications/ ENGLISH ABSTRACT/ HUMAN/ KARYOTYPING/ MALE/ SCLERODERMA, SYSTEMIC, complications/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, pathology/ WERNER'S SYNDROME, complications/ *WERNER'S SYNDROME, familial & genetic/ WERNER'S SYNDROME, pathology

1135. **Ferrand R:** Etude expérimentale des facteurs de la différenciation cytologique de l'adénohypophyse chez l'embryon de poulet.
Arch Biol (Liege) 83:297-371, 1972 (Fre)
ANIMAL EXPERIMENTS/ BRAIN, embryology/ *CELL DIFFERENTIATION/ CHICK EMBRYO/ ENGLISH ABSTRACT/ EPITHELIUM, cytology/ EPITHELIUM, embryology/ METHODS/ NERVE TISSUE/ PITUITARY GLAND, blood supply/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ STAINS AND STAINING/ TIME FACTORS

1136. **Ferrari M, Furlanut M:** Effects of diphenylhydantoin on smooth muscle.
Arch Int Pharmacodyn Ther 203:101-6, May 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DIPHENYLHYDANTOIN, antagonists & inhibitors/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUINEA PIGS/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ QUINIDINE, pharmacodynamics/ STIMULATION, CHEMICAL

1137. **Ferraz AR:** Nodulectomia como terapêutica cirúrgica de eleição para nódulos tireoidianos autônomos: justificativas fisioatológicas, táticas e apreciação evolutiva.
Rev Hosp Clin Fac Med Sao Paulo 28:222-32, Jul-Aug 73 (Por)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GOITER, EXOPHTHALMIC, physiopathology/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ HYPERTHYROIDISM, physiopathology/ *HYPERTHYROIDISM, surgery/ METHODS/ RADIOISOTOPE SCANNING/ THYROID GLAND, physiopathology/ *THYROID GLAND, surgery/ THYROIDECTOMY

1138. **Ferreira SH, Moncada S, Vane JR:** Further experi
to establish that the analgesic action of aspiri
drugs depends on the inhibition of prostagl
biosynthesis. Br J Pharmacol 47:629P-630P, M
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMEN
BLOOD PRESSURE, drug effects/ BRADYKININ, metabolism/ BRADYKININ,
pharmacodynamics/ DOGS/ DOSE-RESPON
RELATIONSHIP, DRUG/ INDOMETHACIN
pharmacodynamics/ NERVE ENDINGS, dr
effects/ PERFUSION/ *PROSTAGLANDIN
antagonists & inhibitors/ PROSTAGLAND
biosynthesis/ PROSTAGLANDINS, blood/
SPLEEN, drug effects/ SPLEEN, metabol
SPLENIC ARTERY/ SPLENIC VEIN

1139. **Ferrendelli JA, Kinscherf DA, Chang MM:** Regu
of levels of guanosine cyclic 3',5'-monophosph
the central nervous system: effects of depola
agents. Mol Pharmacol 9:445-54, Jul 73
ADENOSINE, pharmacodynamics/ ADENOS
CYCLIC 3',5' MONOPHOSPHATE, metabol
ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, drug effects/ *CENT
NERVOUS SYSTEM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ DRUG INTERACTI
FEMALE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *GUANOSIN
CYCLIC 3',5' MONOPHOSPHATE, metabol
MICE/ MICE, INBRED STRAINS/ NEURA
TRANSMISSION, drug effects/ *NEUROMUSCULAR DEPOLARIZING AG
pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ VERATRINE, pharmacodynamics

1140. **Ferrier S, Freund M, Grétillat A:** A propos
observation de chromosome en anneau en mo
46, XY, Cr-46, X.
Arch Genet (Zur) 46:1-14, 1973
ABNORMALITIES, MULTIPLE, familial &
genetic/ ADOLESCENCE/ ADULT/ CHILI
CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMA
6-12/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN,
KARYOTYPING/ MALE/ MENTAL RETARDATION, familial & genetic/ *MOSAICISM/ PEDIGREE/ POLYMORPHI
(GENETICS)/ *SEX CHROMOSOME ABNORMALITIES, diagnosis

1141. **Fiala S, Fiala ES:** Activation by chemical carcino
gamma-glutamyl transpeptidase in rat and
liver. J Natl Cancer Inst 51:151-8, Jul 7
ACETAMIDES, pharmacodynamics/ *ACYLTRANSFERASES, biosynthesis/ AN
EXPERIMENTS/ AZO COMPOUNDS, pharmacodynamics/ *CARCINOGENS, pharmacodynamics/ DIET/ DIMETHYLAMINOAZOBENZENE, administration & dosage/ DIMETHYLAMINOAZOBENZENE, pharmacodynamics/ ENZYME ACTIVATIC
ETHIONINE, pharmacodynamics/ FLUOR
administration & dosage/ FLUORENES, pharmacodynamics/ GLUTAMATES/ GLUTAMYL TRANSPEPTIDASE, biosynt
HEPATOMA, enzymology/ HYPOPHYSECTOMY/ *LIVER, drug effe
LIVER, enzymology/ LIVER NEOPLASM
enzymology/ NEOPLASMS, EXPERIMEN
enzymology/ NITROSAMINES, administra
dosage/ NITROSAMINES, pharmacodynan
RATS/ TIME FACTORS/ TOLUENE, pharmacodynamics

1142. **Fibiger HC, Fibiger HP, Zis AP:** Attenuat
amphetamine-induced motor stimulation a
stereotypy by 6-hydroxydopamine in the
Br J Pharmacol 47:683-92, Apr 73
*AMPHETAMINE, antagonists & inhibito
AMPHETAMINE, pharmacodynamics/ AN
EXPERIMENTS/ *BEHAVIOR, ANIMAL, effects/ CEREBRAL VENTRICLES, drug effects/ CORPUS STRIATUM, enzymolog

DOSE-RESPONSE RELATIONSHIP, DRUG/ DRINKING BEHAVIOR, drug effects/ FEEDING BEHAVIOR, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, enzymology/ MALE/ MESENCEPHALON, enzymology/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ RATS/ STEREOTAXIC TECHNICS/ STEREOTYPED BEHAVIOR, drug effects/ TRANYLCYPROMINE, pharmacodynamics/ TYROSINE HYDROXYLASE, antagonists & inhibitors

. **Fibiger HC, McGeer EG, Atmadja S:** Axoplasmic transport of dopamine in nigro-striatal neurons. J Neurochem 21:373-85, Aug 73
ANIMAL EXPERIMENTS/ *AXOPLASMIC FLOW/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ BRAIN, drug effects/ BRAIN, enzymology/ BRAIN, metabolism/ CARBON ISOTOPES/ CORPUS STRIATUM, metabolism/ DOPA, metabolism/ DOPA DECARBOXYLASE, antagonists & inhibitors/ *DOPAMINE, metabolism/ GANGLIA, BASAL, drug effects/ GANGLIA, BASAL, metabolism/ *GANGLIA, BASAL, metabolism/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, physiology/ KINETICS/ MALE/ *NEURONS, metabolism/ RATS/ RESERPINE, pharmacodynamics/ SUBSTANTIA NIGRA, drug effects/ *SUBSTANTIA NIGRA, metabolism/ TRANYLCYPROMINE, pharmacodynamics/ TYROSINE, metabolism

Fichman M, Horton R: Significance of the effects of prostaglandins on renal and adrenal function in man. Prostaglandins 3:629-46, May 73 (35 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL CORTEX HORMONES, metabolism/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, blood/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ DEPRESSION, CHEMICAL/ DIURESIS, drug effects/ HUMAN/ HYPERTENSION, drug therapy/ *KIDNEY, drug effects/ KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ METABOLIC CLEARANCE RATE, drug effects/ PITUITARY HORMONES, ANTERIOR, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ RENIN, blood/ REVIEW/ SODIUM, urine/ WATER-ELECTROLYTE BALANCE, drug effects

Fidler JP, Alexander JW, Smith EJ, et al: Radiation reversal of acute rejection in patients with life-threatening infections.
Arch Surg 107:256-60, Aug 73
ADULT/ ANTILYMPHOCYTE SERUM, administration & dosage/ ARTHRITIS/ AZATHIOPRINE, administration & dosage/ *BACTERIAL INFECTIONS, etiology/ COBALT ISOTOPES, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ GRAFT REJECTION, drug effects/ *GRAFT REJECTION, radiation effects/ HUMAN/ *IMMUNOSUPPRESSION, adverse effects/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ NOCARDIA INFECTIONS/ PNEUMONIA, STAPHYLOCOCCAL/ PREDNISONE, administration & dosage/ *RADIATION EFFECTS/ STAPHYLOCOCCAL INFECTIONS/ TRANSPLANTATION, HOMOLOGOUS

Field JB, Larsen PR, Yamashita K, et al: Demonstration of iodide transport defect but normal iodide organification in nonfunctioning nodules of human thyroid glands. J Clin Invest 52:2404-10, Oct 73
ADENOMA, metabolism/ ADENOSINE TRIPHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ BIOLOGICAL TRANSPORT/ CARCINOMA, PAPILLARY, metabolism/ CATTLE/ DIIODOTYROSINE, metabolism/ HUMAN/ *IODIDES, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODOTYROSINE, metabolism/ MAGNESIUM/ OUABAIN/ PERCHLORIC ACIDS, pharmacodynamics/ POTASSIUM/ SODIUM, pharmacodynamics/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, metabolism/ THYROXINE, metabolism

1147. **Fielden ED, Macmillan KL, Watson JD:** The anoestrous syndrome in New Zealand dairy cattle. 1. A preliminary investigation. NZ Vet J 21:77-81, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, drug therapy/ *ESTRADIOL, therapeutic use/ *ESTRUS/ FEMALE/ *IODINE, therapeutic use/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, veterinary/ SYNDROME, veterinary

1148. **Fielding JF, Badenoch J, Millward-Sadler GH:** Dysphagia, vomiting and obdurate constipation as a metabolic manifestation of malignancy.
J Ir Med Assoc 66:384-5, 21 Jul 73
BRONCHIAL NEOPLASMS, complications/ *BRONCHIAL NEOPLASMS, diagnosis/ BRONCHIAL NEOPLASMS, metabolism/ BRONCHIAL NEOPLASMS, pathology/ CARCINOMA, BRONCHOGENIC, complications/ CARCINOMA, OAT CELL, complications/ CARCINOMA, OAT CELL, diagnosis/ CARCINOMA, OAT CELL, metabolism/ *CONSTIPATION, etiology/ *DEGLUTITION DISORDERS, etiology/ GASTROINTESTINAL MOTILITY/ HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ MIDDLE AGE/ *VOMITING, etiology

1149. **Fiere D, Marcon G, Revol L:** Caractères cliniques des polyglobulies secondaires (a propos de 21 observations.
Sem Hop Paris 49:941-5, 14 Mar 73 (Fre)
ADRENAL GLAND DISEASES, complications/ BLOOD CELL COUNT/ BRAIN NEOPLASMS, complications/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ FEMALE/ HUMAN/ *KIDNEY DISEASES, complications/ *KIDNEY NEOPLASMS, complications/ LIVER DISEASES, complications/ MALE/ POLYCYTHEMIA, diagnosis/ POLYCYTHEMIA, etiology/ POLYCYTHEMIA VERA, diagnosis/ RESPIRATORY FUNCTION TESTS/ *RESPIRATORY INSUFFICIENCY, complications/ UTERINE DISEASES, complications

1150. **Fierer J, Bazely P, Braude AI:** Herpes B virus encephalomyelitis presenting as ophthalmic zoster. A possible latent infection reactivated.
Ann Intern Med 79:225-8, Aug 73
ANTIBODIES, analysis/ APHASIA, etiology/ ATAXIA, etiology/ CEREBROSPINAL FLUID PROTEINS, analysis/ CYTARABINE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENCEPHALOMYELITIS, diagnosis/ *ENCEPHALOMYELITIS, etiology/ ENCEPHALOMYELITIS, immunology/ GAMMA GLOBULIN, therapeutic use/ *HERPES ZOSTER, OCULAR, diagnosis/ *HERPESVIRUS INFECTIONS/ HERPESVIRUS INFECTIONS, drug therapy/ HERPESVIRUS INFECTIONS, immunology/ HERPESVIRUS SIMIAN B, isolation & purification/ HUMAN/ *LABORATORY INFECTION/ MALE/ MIDDLE AGE/ *MONKEYS/ MUSCLE TONUS/ OPHTHALMIC NERVE/ PARESIS, etiology/ PREDNISONE, therapeutic use/ SKIN, microbiology/ TIME FACTORS

1151. **Fikry ME, Rabbo HA, Abaza HH, et al:** The incidence of chronic pyelonephritis in schistosomal hepatic fibrosis utilising the prednisolone provocation test.
J Trop Med Hyg 76:180-2, Jul 73
ADOLESCENCE/ ADULT/ CELL COUNT/ CHRONIC DISEASE/ EGYPT/ HUMAN/ MALE/ *PREDNISOLONE, diagnostic use/ *PYELONEPHRITIS, complications/ PYELONEPHRITIS, diagnosis/

*SCHISTOSOMIASIS, complications/ SCHISTOSOMIASIS, urine/ URINE, cytology

1152. **Filer LJ Jr, Stegink LD:** Safety of hydrolysates in parenteral nutrition. N Engl J Med 289:426-7, 23 Aug 73
ANIMAL EXPERIMENTS/ ASPARTIC ACID, administration & dosage/ ASPARTIC ACID, adverse effects/ ASPARTIC ACID, blood/ BRAIN DAMAGE, CHRONIC, chemically induced/ CASEIN, administration & dosage/ CASEIN, adverse effects/ DOGS/ GLUCOSE, administration & dosage/ GLUTAMATES, administration & dosage/ GLUTAMATES, adverse effects/ GLUTAMATES, blood/ GUINEA PIGS/ HUMAN/ HYPOTHALAMUS, drug effects/ INFANT, NEWBORN/ INJECTIONS, SUBCUTANEOUS/ MICE/ *PARENTERAL FEEDING/ PROTEIN HYDROLYSATES, administration & dosage/ *PROTEIN HYDROLYSATES, adverse effects

1153. **Filippova GI:** O sile sosaniia novorozhdennykh detei. Sov Zdravookhr Kirg 5:60-3, Sep-Oct 72 (Rus)
BODY WEIGHT/ *BREAST FEEDING/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LACTATION/ PREGNANCY/ REFLEX/ *SUCKING BEHAVIOR

1154. **Filmer RB, Carone FA, Rowland RG, et al:** Adrenal corticosteroid-induced renal cystic disease in the newborn hamster. Am J Pathol 72:461-72, Sep 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ CALCIUM, blood/ CALCIUM, metabolism/ *DISEASE MODELS, ANIMAL/ ENDOPLASMIC RETICULUM/ *FLUDROCORTISONE/ GOLGI APPARATUS/ *HAMSTERS/ KIDNEY, pathology/ KIDNEY CORTEX, pathology/ *KIDNEY, POLYCYSTIC, chemically induced/ KIDNEY, POLYCYSTIC, pathology/ KIDNEY TUBULES, DISTAL, pathology/ KIDNEY TUBULES, PROXIMAL, pathology/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MUSCLES, metabolism/ POTASSIUM, blood/ POTASSIUM, metabolism/ SODIUM, blood/ SODIUM, metabolism

1155. **Fink R, Hesse P:** Die Splenektomie bei Morbus Werlhof während einer Schwangerschaft.
Zentralbl Gynaekol 95:665-8, 11 May 73 (Ger)
ADULT/ AMINOBENZOIC ACID, therapeutic use/ FEMALE/ HUMAN/ PREDNISOLONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, therapy/ PURPURA, THROMBOPENIC, drug therapy/ *PURPURA, THROMBOPENIC, therapy/ *SPLENECTOMY

1156. **Finn CA, Pollard RM:** The influence of the oestrogen secreted before oestrus on the timing of end ometrial sensitivity and insensitivity during implantation.
J Endocrinol 56:619-20, Mar 73
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, secretion/ ESTRUS/ FEMALE/ MICE/ *NIDATION/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ TIME FACTORS

1157. **Fireman P:** Metabolic abnormalities in asthma--decreased urinary cycle AMP.
Int Arch Allergy Appl Immunol 45:123-7, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADOLESCENCE/ ADULT/ *ASTHMA, metabolism/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ CREATININE, urine/ EPINEPHRINE, administration & dosage/ FEMALE/ GLUCAGON, administration & dosage/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ MALE

1158. **Firth JA, Vollrath L:** Determination of the distribution of luteinizing hormone-like gonadotrophic activity within the dogfish pituitary gland by means of the Xenopus oocyte meiosis assay.
J Endocrinol 58:347-8, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ FSH, analysis/ *GONADOTROPINS, PITUITARY, analysis/ VITRO/ *LH, analysis/ MALE/ MEIOSIS, di effects/ METHODS/ OVUM, drug effects/ *PITUITARY GLAND, analysis/ SEX FACTORS/ SHARKS/ STIMULATION, CHEMICAL/ XENOPUS

1159. **Firu P, Badea R, Botău C, et al:** Somatograma popul infantile din comuna Rîul Alb apreciată comparati cea din Drăgus.
Stud Cercet Endocrinol 24:299-307, 1973 (R
ADOLESCENCE/ AGE FACTORS/ BODY HEIGHT/ *CEPHALOMETRY/ CHILD/ FEMALE/ *GROWTH/ HUMAN/ MALE/ ODONTOMETRY/ ORAL HEALTH/ PUBER RUMANIA/ RURAL HEALTH

1160. **Fisch HU, Pliška V, Tesser GI, et al:** Simple assa plasma testosterone using a covalent protein-sepharose complex.
FEBS Lett 29:127-31, 15 Jan 73
ADOLESCENCE/ ADULT/ CARRIER PROTEINS/ CHILD/ CHILD, PRESCHOOL/ CYANOGEN BROMIDE/ FEMALE/ HUMAN INFANT/ MALE/ METHODS/ MIDDLE AG POLYSACCHARIDES/ PREGNANCY/ *TESTOSTERONE, blood/ TRITIUM

1161. **Fischer E:** Beeinflussen lokal applizierte Corticosteroide den Heilverlauf der Epidermophytien.
Dermatologica 145:82-7, 1972 (
ANIMAL EXPERIMENTS/ *CANDIDA ALBICANS, drug effects/ DERMATOMYCOSIS, drug therapy/ ENGLI ABSTRACT/ *FLUMETHASONE, administra & dosage/ FLUMETHASONE, therapeutic u GUINEA PIGS/ HYDROCORTISONE, TOPI therapeutic use/ MICROBIAL SENSITIVIT TESTS/ *MICROSPORUM, drug effects/ MONILIASIS, CUTANEOUS, drug therapy/ PROPIONATES, administration & dosage/ PROPIONATES, therapeutic use/ TIME FACTORS/ *TRICHOPHYTON, drug effect

1162. **Fischer JA, Blum JW, Binswanger U:** Acut parathyroid hormone response to epinephrine in
J Clin Invest 52:2434-40, Oct 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR metabolism/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ CATTLE/ CHICKENS, immunology/ DRUG SYNERGISM/ *EPINEPHRINE, pharmacodynamics/ FATT ACIDS, NONESTERIFIED, blood/ FEMALE ISOPROTERENOL, pharmacodynamics/ MAGNESIUM, blood/ NOREPINEPHRINE, pharmacodynamics/ *PARATHYROID HORMONE, blood/ PARATHYROID HORM secretion/ PROPRANOLOL, pharmacodyna TIME FACTORS

1163. **Fischer S, Lingsch C, Urbina C:** The mole organization of nerve membranes. VII. Solubili and characterization of proteins from squid r axon membranes. J Membr Biol 12:317-38, 3 A
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *AXONS/ *CELL MEMBRANE/ CELL MEMBRANE, enzymo CENTRIFUGATION, DENSITY GRADIENT CHEMISTRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EYE PROTEIN FILTRATION/ GEL FILTRATION/ IODID MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS/ NERVE TISSUE PROTEINS, analysis/ *RETINA, innervation/ SODIUM DODECYL SULFATE/ SOLUBILITY/ SQU THIOCYANATES/ ULTRACENTRIFUGATI

1164. **Fisher LB, Maibach HI:** Topical antipsoriatic agen epidermal mitosis in man.
Arch Dermatol 108:374-7, Sep 73
ADULT/ ANTHRACENES, therapeutic us *ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ BIOPSY/ COAL TAR, therapeutic use/ COMPARATIVE STUDY DEMECOLCINE, therapeutic use/ DIETHYLSTILBESTROL, therapeutic use/

FATTY ACIDS, UNSATURATED, therapeutic use/ FLURANDRENOLONE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MALE/ *MITOSIS, drug effects/ PROGESTERONE, therapeutic use/ *PSORIASIS, drug therapy/ *SKIN, cytology/ SKIN, drug effects/ SKIN, radiation effects/ SUNLIGHT/ TESTOSTERONE, therapeutic use/ TRIAMCINOLONE ACETONIDE, therapeutic use/ ULTRAVIOLET RAYS/ VITAMIN A, therapeutic use

Fishman WH, Anstiss CL, Pirnik MP, et al: The exponential growth curve for the placental isoenzyme of alkaline phosphatase in sera of normal and diabetic pregnancies. Am J Clin Pathol 60:353-8, Sep 73
*ALKALINE PHOSPHATASE, blood/ FEMALE/ HUMAN/ *ISOENZYMES, blood/ MATHEMATICS/ METHODS/ *PLACENTA, enzymology/ *PREGNANCY/ *PREGNANCY IN DIABETES, enzymology/ TIME FACTORS

Fladerer HP: Primäres retroperitoneales Choriokarzinom des Mannes.
Zentralbl Allg Pathol 117:40-3, 1973 (Ger)
CASE REPORT/ CHORIOCARCINOMA, complications/ *CHORIOCARCINOMA, pathology/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, urine/ GYNECOMASTIA, complications/ HUMAN/ MALE/ MIDDLE AGE/ RETROPERITONEAL NEOPLASMS, complications/ *RETROPERITONEAL NEOPLASMS, pathology

Flax H, Salih H: Determination of in vitro hormone dependence of human breast cancer.
Br J Cancer 28:76, Jul 73
*BREAST NEOPLASMS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ IN VITRO/ ORGAN CULTURE/ *PROLACTIN, metabolism/ *TESTOSTERONE, metabolism

Flaxman BA: In vitro studies of the human mammary gland: effect of hormones on proliferation in primary cell cultures. J Invest Dermatol 61:67-71, Aug 73
AUTORADIOGRAPHY/ *BREAST, cytology/ BREAST, growth & development/ CATTLE/ CELL NUCLEUS/ CELLS, CULTURED, drug effects/ CYTOPLASM/ DNA, biosynthesis/ EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, drug effects/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, physiology/ IN VITRO/ INSULIN, pharmacodynamics/ INSULIN, physiology/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ MITOSIS, drug effects/ PROLACTIN, pharmacodynamics/ PROLACTIN, physiology/ THYMIDINE, metabolism/ TIME FACTORS/ *TISSUE CULTURE/ TRITIUM

Fleischer N: Diagnostic considerations in secondary hypertension. Tex Med 69:64-70, Jul 73
ALDOSTERONE, metabolism/ AORTIC COARCTATION, diagnosis/ CONTRACEPTIVES, ORAL, adverse effects/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, chemically induced/ *HYPERTENSION, diagnosis/ PHEOCHROMOCYTOMA, diagnosis/ POSTURE/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENIN, blood

Flint AP, Armstrong DT: Activities of enzymes responsible for steroid biosynthesis and cholesterol ester metabolism in rabbit ovarian interstitial tissue and corpora lutea. A comparison of enzyme activities with flow rates. Biochem J 132:301-11, Feb 73
ACYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ COENZYME A/ *CORPUS LUTEUM, enzymology/ ESTERASES, metabolism/ ESTERS, metabolism/ FEMALE/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ KINETICS/ LH/ MULTIENZYME COMPLEXES, metabolism/ *OVARY, enzymology/ OXIDOREDUCTASES, metabolism/ PALMITIC ACID/ RABBITS/ *STEROIDS, biosynthesis/ TIME FACTORS/ TRITIUM

1171. **Flint AP, Grinwich DL, Armstrong DT:** Control of ovarian cholesterol ester biosynthesis.
Biochem J 132:313-21, Feb 73
ACETYLTRANSFERASES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL/ *CHOLESTEROL, biosynthesis/ CYCLOHEXIMIDE, pharmacodynamics/ ESTERASES, metabolism/ ESTERS, biosynthesis/ EXTRACELLULAR SPACE/ FEMALE/ IN VITRO/ LH, pharmacodynamics/ OLEIC ACID, metabolism/ OVARY, drug effects/ OVARY, enzymology/ *OVARY, metabolism/ PROGESTERONE, metabolism/ RABBITS/ SORBITOL, metabolism/ TRITIUM

1172. **Flint G, Berry M:** A quantitative investigation of the response to injury of the central nervous system of rats treated with ACTH and triiodothyronine.
Experientia 29:566-8, 15 May 73
ANIMAL EXPERIMENTS/ AXONS, physiology/ CORPUS CALLOSUM, cytology/ CORPUS CALLOSUM, drug effects/ *CORPUS CALLOSUM, physiology/ *CORTICOTROPIN, pharmacodynamics/ MALE/ *NERVE REGENERATION, drug effects/ NEUROGLIA, physiology/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics

1173. **Florence AT, Rahman R:** The effect of some oral contraceptive steroids on platelet electrophoretic mobility in vitro. J Pharm Pharmacol 24:983-5, Dec 72
ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ CATTLE/ CELL AGGREGATION, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ELECTROPHORESIS/ ESTROGENS, pharmacodynamics/ IN VITRO/ PROGESTATIONAL HORMONES, pharmacodynamics

1174. **Florence AT, Rahman R:** The interaction of some oral contraceptive steroids with lipid monolayers and with Erythrocytes. J Pharm Pharmacol 24:942-9, Dec 72
BLOOD PLATELETS, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ CHOLESTEROL/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG INTERACTIONS/ *ERYTHROCYTES, drug effects/ ESTROGENS, pharmacodynamics/ HEMOLYSIS, drug effects/ LECITHINS/ *LIPIDS/ *MEMBRANES, ARTIFICIAL/ PROGESTATIONAL HORMONES, pharmacodynamics/ SOLUBILITY/ SURFACE TENSION

1175. **Floyd MB, Weiss MJ:** Synthesis of prostaglandins by alanate additions to cyclopentenones (1).
Prostaglandins 3:921-4, Jun 73
*ALANINE/ CHEMISTRY/ CYCLOPENTANE/ HYDROLYSIS/ *PROSTAGLANDINS, chem synthesis

1176. **Fluge G, Myking A, Aarskog D:** Male pseudohermaphroditism in a patient with E-trisomy syndrome. Acta Paediatr Scand 62:440-4, Jul 73
*ABNORMALITIES, MULTIPLE/ AUTOPSY/ *CHROMOSOMES, HUMAN, 16-18/ FALLOPIAN TUBES, pathology/ HUMAN/ INFANT, NEWBORN/ MALE/ *PSEUDOHERMAPHRODITISM/ SKULL, abnormalities/ SYNDROME/ TESTIS, pathology/ *TRISOMY

1177. **Foca FJ, Liebeskind AL:** Osteopetrosis with arteritis: Case report and review of the literature.
Arch Phys Med Rehabil 54:370-2, Aug 73
*ARTERITIS, complications/ CEREBRAL ANGIOGRAPHY/ CHILD, PRESCHOOL/ FEMALE/ HEARING DISORDERS, diagnosis/ HEMIPLEGIA, diagnosis/ HEPATOMEGALY, diagnosis/ HUMAN/ LEG, radiography/ LUNG, radiography/ OPTIC ATROPHY, diagnosis/

*OSTEOPETROSIS, complications/ REFLEX, ABNORMAL, diagnosis/ SKULL, radiography

1178. **Focan C, Bricteux N, Hugues J, et al:** Association maladie de Hodgkin--leucose myéloblastique.
Rev Med Liege 28:443-7, 15 Jun 73 **(Fre)**
ADULT/ BIOPSY/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiography/ HUMAN/ HYDRAZINES, therapeutic use/ *LEUKEMIA, MYELOBLASTIC, complications/ LYMPH NODES, pathology/ MALE/ MECHLORETHAMINE, therapeutic use/ METHYLPREDNISOLONE, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

1179. **Focan C, Lemaire M, Hugues J:** Hématosarcomes non leucémiques. Maladie de Hodgkin. Conceptions thérapeutiques actuelles. Expérience personnelle de la polychimiothérapie.
Rev Med Liege 28:421-7, 15 Jun 73 **(Fre)**
COMPARATIVE STUDY/ DRUG SYNERGISM/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, therapeutic use/ METHYLPREDNISOLONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCRISTINE, therapeutic use

1180. **Fogelholm R:** Aivoverenkiertohäiriöiden ennaltaehkäisy. Duodecim 89:452-7, 1973 **(Fin)**
CEREBRAL ISCHEMIA, TRANSIENT, etiology/ CEREBROVASCULAR DISORDERS, chemically induced/ CEREBROVASCULAR DISORDERS, etiology/ *CEREBROVASCULAR DISORDERS, prevention & control/ CONTRACEPTIVES, ORAL, adverse effects/ DIABETES MELLITUS, complications/ FEMALE/ HEART DISEASES, complications/ HUMAN/ HYPERLIPEMIA, complications/ HYPERTENSION, complications/ MALE/ SMOKING, complications

1181. **Foitzik H, Lawin P:** Klinische Erfahrungen mit Galanthamin (Nivalin) als Antidot von Pancuronium.
Z Prakt Anaesth 7:203-7, Aug 72 **(Ger)**
*ANDROSTANES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, antagonists & inhibitors/ ENGLISH ABSTRACT/ FEMALE/ *GALANTHAMINE, pharmacodynamics/ HUMAN/ LAPAROTOMY/ NEOSTIGMINE, pharmacodynamics/ NEUROLEPTOANALGESIA/ PANCURONIUM, antagonists & inhibitors/ RABBITS

1182. **Foldes FF:** Pancuronium bromide side effects.
JAMA 225:418, 23 Jul 73
*ANDROSTENES, adverse effects/ BROMIDES, adverse effects/ *CURARE-LIKE AGENTS, adverse effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ PANCURONIUM, administration & dosage/ PANCURONIUM, adverse effects/ TACHYCARDIA, chemically induced

1183. **Follmann P, Mucsi G, Varga K:** Funktionelle Störungen des Sehnerven bei Anwendung oraler Antikonzeptiva.
Klin Monatsbl Augenheilkd 162:630-3, May 73 **(Ger)**
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *OPTIC NERVE/ PERIMETRY/ PERIPHERAL NERVE DISEASES, chemically induced/ SCOTOMA, chemically induced

1184. **Fontana PG, Vickery VR:** Segregation-distortion in the B-chromosome system of Tettigidea lateralis (Say) (Orthoptera: Tetrigidae).
Chromosoma 43:75-100, 23 Jul 73
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ FEMALE/ *GRASSHOPPERS/ HAPLOIDY/ HETEROCHROMATIN/ KARYOTYPING/ MALE/ MITOSIS/ *POLYMORPHISM (GENETICS)/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES/ SPERMATOGENESIS

1185. **Fontányi S, Arányi S:** A pajzsmirigy elhelyezked rendellenességeiről.
Orv Hetil 114:2038-40, 28 Aug 73 **(Hu**
ADULT/ AGED/ FEMALE/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *THYROID DISEASES, radiography/ *THYROID GLAND, abnormalities/ THYROIDECTOMY

1186. **Fontenot JP, Wise MB, Webb KE Jr:** Interrelationsh of potassium, nitrogen, and magnesium in ruminar
Fed Proc 32:1925-8, Aug 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ CATTLE/ CATTLE DISEASES, etiology/ DIET/ DRUG INTERACTIONS/ INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ *NITROGI pharmacodynamics/ *POTASSIUM, pharmacodynamics/ SHEEP/ TETANY, veterinary

1187. **Foote RG, Ludbrook AP:** The use of liberal salt die pre-eclamptic toxaemia and essential hypertens with pregnancy. NZ Med J 77:242-5, Apr 7
ADOLESCENCE/ ADULT/ *DIET THERAPY ESTRIOL, urine/ FEMALE/ HUMAN/ *HYPERTENSION, therapy/ INFANT, NEWBORN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, therapy/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, urine/ *PREGNANCY TOXEMIAS, therapy/ PREGNANCY TOXEMIAS, urine/ *SODIUM CHLORIDE, therapeutic use

1188. **Ford JA, Davidson DC, McIntosh WB, et al:** Neon rickets in Asian immigrant population.
Br Med J 3:211-2, 28 Jul 73
ADULT/ ALKALINE PHOSPHATASE, blood CALCIUM, blood/ *EMIGRATION AND IMMIGRATION/ ERGOCALCIFEROL, therapeutic use/ *ETHNIC GROUPS/ FEMALE/ HUMAN/ INDIA/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASI occurrence/ MALE/ PAKISTAN/ PHOSPHORUS, blood/ RICKETS, drug therapy/ *RICKETS, occurrence/ SCOTLAND

1189. **Ford JJ, Melampy RM:** Gonadotropin levels in lactat rats: effect of ovariectomy.
Endocrinology 93:540-7, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *FSH, biosynthesis/ FSH, blood/ IODINE ISOTOPES/ *LACTATION/ *LH, biosynthesis/ LH, blood/ ORGAN WEIGHT/ *OVARY, physiology/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, physiolog PROLACTIN, biosynthesis/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ TIMI FACTORS/ UTERUS, physiology

1190. **Forfar JO, Nelson MM:** Epidemiology of drugs take pregnant women: drugs that may affect the fe adversely. Clin Pharmacol Ther 14:632-42, Jul-Au
*ABNORMALITIES, DRUG-INDUCED/ ABORTION, INDUCED/ AMINOPTERIN, adverse effects/ ANDROGENS, adverse effects/ ANEMIA, MACROCYTIC, chemically induced/ ASPIRIN, adverse effe BARBITURATES, adverse effects/ CHLORPROPAMIDE, adverse effects/ DEXT AMPHETAMINE, adverse effects/ DIPHENYLHYDANTOIN, adverse effects/ DIURETICS, adverse effects/ *DRUGS, administration & dosage/ DRUGS, NON-PRESCRIPTION/ ESTROGENS, adverse effects/ FEMALE/ *FETUS, drug effects/ GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY, complications/ HUMAN/ METHOTREXATE, adverse effects/ NITROFURANTOIN, adverse effects/ PREGNANCY/ SELF MEDICATION/ SMOKING/ TIME FACTORS/ VITAMIN K, adverse effects

1191. **Formal SB, Dupont HL, Hornick RB:** Enterot diarrheal syndromes.

Annu Rev Med 24:103-10, 1973 (89 ref.)
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHOLERA, complications/ CLOSTRIDIUM PERFRINGENS, isolation & purification/ *DIARRHEA, etiology/ DIARRHEA, microbiology/ ENTEROTOXINS, isolation & purification/ ESCHERICHIA COLI INFECTIONS, complications/ HUMAN/ INTESTINES, microbiology/ PSEUDOMONAS AERUGINOSA, isolation & purification/ REVIEW/ SHIGELLA DYSENTERIAE, isolation & purification/ WATER-ELECTROLYTE BALANCE

Forsman PJ, Jenkins ME: Medullary carcinoma of the thyroid with Marfan-like body habitus. Pediatrics 52:188-91, Aug 73
ADOLESCENCE/ *ARACHNODACTYLY, complications/ BODY CONSTITUTION/ *CARCINOMA, complications/ CARCINOMA, diagnosis/ CARCINOMA, familial & genetic/ FEMALE/ HUMAN/ NEUROFIBROMA, complications/ NEUROFIBROMA, diagnosis/ PEDIGREE/ SYNDROME/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, familial & genetic/ TONGUE NEOPLASMS, complications/ TONGUE NEOPLASMS, diagnosis

Forssman O, Mulder J: Hypersensitivity to different ACTH peptides. Acta Med Scand 193:557-9, Jun 73
ADMINISTRATION, ORAL/ ANAPHYLAXIS/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, adverse effects/ CORTICOTROPIN, pharmacodynamics/ DESENSITIZATION/ *DRUG HYPERSENSITIVITY, etiology/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ PASSIVE CUTANEOUS ANAPHYLAXIS/ PEPTIDES/ PREDNISOLONE, adverse effects/ SKIN TESTS/ SWINE

Forssmann WG, Grube D: Studien über die endokrinen Zellen des Magendarmtraktes. I. Histotopographische, fluoreszenzmikroskopische and ultrastrukturelle untersuchungen an Katze und Ratte.
Z Zellforsch Mikrosk Anat 140:535-50, 16 Jul 73 (Ger)
ANIMAL EXPERIMENTS/ CATS/ CELL NUCLEUS/ CYTOPLASMIC GRANULES/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, cytology/ FEMALE/ FLUORESCENCE/ FORMALDEHYDE/ *GASTRIC MUCOSA, cytology/ GASTRIC MUCOSA, secretion/ GASTRIN/ GOLGI APPARATUS/ HISTOLOGY, COMPARATIVE/ *ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, secretion/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MITOCHONDRIA/ PYLORUS/ RATS/ SEROTONIN

Förster W, Mest HJ, Mentz P: The influence of PGF2 alpha on experimental arrhythmias.
Prostaglandins 3:895-904, Jun 73
ACONITE/ AJMALINE, administration & dosage/ *AJMALINE, therapeutic use/ ANIMAL EXPERIMENTS/ ARRHYTHMIA, chemically induced/ *ARRHYTHMIA, drug therapy/ BARIUM/ CALCIUM CHLORIDE/ CATS/ CHLORINE/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROCARDIOGRAPHY/ FEMALE/ INJECTIONS, INTRAVENOUS/ MALE/ OUABAIN/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ RABBITS/ RATS

Foster S: Topical application of thyrocalcitonin in the jaws of laboratory dogs. Am J Orthod 64:210-1, Aug 73
ANIMAL EXPERIMENTS/ *BONE REGENERATION, drug effects/ DOGS/ METHODS/ OXYTETRACYCLINE, diagnostic use/ *THYROCALCITONIN, pharmacodynamics/ TOOTH EXTRACTION/ *WOUND HEALING, drug effects

1197. **Fougner JA:** Fosterdød hos blårev.
Nord Vet Med 24:25-31, Jan 72 (Nor)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DEATH, veterinary/ *FOXES/ OVARY, pathology/ PREGNANCY/ PREGNANCY COMPLICATIONS/ UTERUS, pathology

1198. **Foukas MD:** An antilactogenic effect of pyridoxine.
J Obstet Gynaecol Br Commonw 80:718-20, Aug 73
ADMINISTRATION, ORAL/ CLINICAL RESEARCH/ DIETHYLSTILBESTROL, pharmacodynamics/ DOPA, metabolism/ DOPAMINE, metabolism/ FEMALE/ HUMAN/ HYPOTHALAMUS, metabolism/ *LACTATION, drug effects/ NEURONS, metabolism/ PREGNANCY/ PROLACTIN, metabolism/ PUERPERIUM/ PYRIDOXINE, administration & dosage/ *PYRIDOXINE, pharmacodynamics/ TIME FACTORS

1199. **Fournier A, Lagrue G, Nakache JP, et al:** Traitement de l'hypertension artérielle essentielle par la spironolactone: son intérêt dans le dépistage des hyperaldostéronismes primaires et prédiction de son efficacité. Therapeutique 49:127-30, Feb 73 (Fre)
ALDOSTERONE, urine/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ *HYPERTENSION, drug therapy/ PROBABILITY/ *SPIRONOLACTONE, therapeutic use

1200. **Fournier P, Digaud A, Dupuis Y, et al:** Relations entre la présence de pentoses endogènes dans l'intestin et l'effet des glucides sur l'absorption du calcium.
C R Acad Sci [D] (Paris) 276:1581-4, 5 Mar 73 (Fre)
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *INTESTINAL ABSORPTION/ MALE/ *PENTOSES, metabolism/ PENTOSES, pharmacodynamics/ RATS/ TIME FACTORS

1201. **Foury F, Goffeau A:** Stimulation of yeast RNA synthesis by cycloheximide and 3',5'-cyclic AMP.
Nature [New Biol] 245:44-7, 12 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINO ACIDS, metabolism/ ANTIBIOTICS, pharmacodynamics/ ASCOMYCETES, drug effects/ *ASCOMYCETES, metabolism/ BENZYL COMPOUNDS, pharmacodynamics/ CARBON ISOTOPES/ *CYCLOHEXIMIDE, pharmacodynamics/ ETHIDIUM, pharmacodynamics/ FUNGAL PROTEINS, biosynthesis/ GLUCOSE, metabolism/ KINETICS/ PYRROLIDINES, pharmacodynamics/ *RNA, biosynthesis/ SACCHAROMYCES CEREVISIAE, metabolism/ TERPENES, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ TRITIUM/ URIDINE, metabolism

1202. **Fowler PB:** Treatment of hypothyroidism.
Br Med J 3:352-3, 11 Aug 73
CHOLESTEROL, blood/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ THYROXINE, administration & dosage/ THYROXINE, therapeutic use/ TRIGLYCERIDES, blood

1203. **Fowler PB, Ikram H, Banim SO:** Serum-cholesterol, thyroid failure, and coronary-artery disease.
Lancet 1:685, 25 Mar 72
*CHOLESTEROL, blood/ *CORONARY DISEASE, etiology/ HUMAN/ HYPERCHOLESTEREMIA, complications/ *THYROID DISEASES, complications/ THYROTROPIN, blood

1204. **Fowler R:** Preperitoneal repair of inguinal hernias in infancy and childhood.
Aust Paediatr J 9:85-9, Apr 73
CHILD/ CRYPTORCHISM, surgery/ FEMALE/ HUMAN/ HYDROCELE, surgery/ INFANT/ *INGUINAL HERNIA, surgery/ MALE/ METHODS/ PERITONEUM

1205. **Fowler RE, Edwards RG:** The genetics of early human development.
Prog Med Genet 9:49-112, 1973 (236 ref.)
CELL DIVISION/ CHROMOSOME

ABNORMALITIES/ CROSSING OVER (GENETICS)/ CULTURE MEDIA/ DNA, metabolism/ *EMBRYO/ EMBRYO, metabolism/ FEMALE/ FERTILIZATION/ *GENETICS, HUMAN/ GONADOTROPINS, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ HUMAN/ IN VITRO/ MALE/ MEIOSIS/ MOSAICISM/ OVARY, embryology/ OVULATION/ OVUM, physiology/ PARTHENOGENESIS/ PREGNANCY/ REVIEW/ RNA, metabolism/ SEX CHROMOSOMES/ SPERMATOZOA, cytology/ TISSUE CULTURE/ TISSUE PRESERVATION/ VIRUS DISEASES

1206. **Fox H, Cummins PA, Langley FA:** An ultrastructural study of the endometrioid adenocarcinoma of the ovary. J Pathol 109:pix, Jan 73
*ADENOCARCINOMA, pathology/ *ENDOMETRIOSIS, pathology/ ENDOMETRIUM, cytology/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ *OVARIAN NEOPLASMS, pathology

1207. **Fox JG, Beatty JO:** Adrenal insufficiency in the dog: two case reports. J Small Anim Pract 14:167-75, Mar 73
ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENAL GLAND HYPOFUNCTION, veterinary/ ANIMAL EXPERIMENTS/ APPETITE DISORDERS, veterinary/ DIARRHEA, veterinary/ *DOG DISEASES/ DOGS/ FEMALE/ HYPERKALEMIA, veterinary/ HYPONATREMIA, veterinary/ MUSCULAR DISEASES, veterinary/ VOMITING, veterinary

1208. **Fox MW, Andrews RV:** Physiological and biochemical correlates of individual differences in behavior of wolf cubs. Behaviour 46:129-40, 1973
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *CARNIVORA, physiology/ EXPLORATORY BEHAVIOR/ GENETICS, BEHAVIORAL/ GENOTYPE/ *HEART RATE/ HOUSING, ANIMAL/ *HYDROCORTISONE, blood/ PITUITARY-ADRENAL SYSTEM/ SOCIAL DOMINANCE/ STRESS, PSYCHOLOGICAL

1209. **Fozard JR, Mwaluko GM:** The uptake of 5-hydroxytryptamine by the rabbit heart in vitro. Br J Pharmacol 47:661P-662P, Mar 73
ANIMAL EXPERIMENTS/ HEART RATE/ IN VITRO/ KINETICS/ MYOCARDIUM, analysis/ *MYOCARDIUM, metabolism/ PERFUSION/ RABBITS/ SEROTONIN, analysis/ SEROTONIN, blood/ *SEROTONIN, metabolism/ TIME FACTORS

1210. **Frahm H, Dammann W:** Vergleich zwischen cytologischen Beurteilungen von Schilddrüsenaspirationspunktaten und Radiojoddiagnostik sowie histologischen Befunden bei verschiedenen Schilddrüsenerkrankungen. Verh Dtsch Ges Inn Med 78:277-9, 1972 **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ BIOPSY, NEEDLE/ COMPARATIVE STUDY/ CYTODIAGNOSIS/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology

1211. **Frajese G, Santiemma V, Savioli M, et al:** Mixed testicular dysgenesis and 46,XY-47,XXY mosaicism. Clin Genet 4:130-3, 1973
ADULT/ BIOPSY/ BLOOD CELLS/ BODY HEIGHT/ BODY WEIGHT/ FIBROBLASTS/ GONADOTROPINS, blood/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOGONADISM/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ MALE/ *MOSAICISM/ MOUTH MUCOSA, cytology/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES/ SKIN, cytology/ SYNDROME/ *TESTIS, abnormalities/ TESTIS, cytology/ TESTIS, pathology/ TESTOSTERONE, blood

1212. **Franchimont P:** Pituitary gonadotropins, structure, control and clinical applications. Clin Sci 44:1P-2P passim, Feb 73
ANDROGENS, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PROGESTERONE, pharmacodynamics/ SPERMATOGENESIS

1213. **Franchimont P:** Les ostéoporoses. Introduction Rev Med Liege 28:489, 15 Jul 73 **(F**
AGE FACTORS/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS/ OSTEOPOROSIS, diagnosis

1214. **Franchimont P:** Thérapeutique des ostéoporos Rev Med Liege 28:502-4, 15 Jul 73 **(F**
BONE DEVELOPMENT, drug effects/ BONE RESORPTION, drug therapy/ CALCIUM, therapeutic use/ ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, therapy/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ KIDNEY DISEASES complications/ OSTEOPOROSIS, drug therap OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, therapy/ PHOSPHORUS, therapeutic use/ SE HORMONES, therapeutic use/ THYROCALCITONIN, therapeutic use

1215. **Franchimont P, Burger H, Legros JJ:** Impact radioassay techniques on the field of sex hormon Metabolism 22:1003-11, Aug 73 (83 ref.)
ANTIGENIC DETERMINANTS/ CARBON ISOTOPES/ FEMALE/ FSH, blood/ FSH, metabolism/ FSH, physiology/ FSH, urine/ GONADOTROPINS, CHORIONIC, physiology/ *GONADOTROPINS, PITUITARY/ HUMAN/ LH, blood/ LH, metabolism/ LH, physiology LH, urine/ MALE/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ REVIEW/ TRITIUM

1216. **Franchimont P, Legros JJ, Ernould C, et al:** sécrétion gonadotrope au cours de la puberté norm et retardée. Probl Actuels Endocrinol Nutr 16:129-40, 3 May **(F**
AGE FACTORS/ CLOMIPHENE, pharmacodynamics/ FEMALE/ FSH, secretio *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ *HYPOGONADISM, metabolism/ HYPOGONADISM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, secretion/ MALE/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PROGNOSIS/ *PUBERTY/ TIME FACTORS

1217. **Francis BM:** Influence of sex-linked genes o embryonic sensitivity to cortisone in three strain mice. Teratology 7:119-25, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ANIM. EXPERIMENTS/ CLEFT LIP, familial & genetic/ CLEFT PALATE, familial & geneti *CORTISONE/ FEMALE/ FETAL DEATH/ *GENES/ INBREEDING/ *LINKAGE (GENETICS), drug effects/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ PREGNANCY/ PROBABILITY/ S CHARACTERISTICS/ *SEX CHROMOSOMES, drug effects

1218. **Francis JS, Sampson LD, Gerace T Sr, et** Cardiovascular responses of rabbits to ESB: effect anesthetization, stimulus frequency and pulse-t duration. Physiol Behav 11:195-203, Aug 73
ANESTHESIA/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ *ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ FEMALE/ *HEART RATE/ HEART RATE, drug effec HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ MALE/ *PENTOBARBITAL, pharmacodynamics/ RABBITS/ *SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNICS

1219. **Franco Grande A, González González A, Santos Fra J, et al:** Nuestra experiencia con el pavulón anestesia pediátrica. Rev Esp Anestesiol Reanim 20:337-44, Jul 73 (S

AGE FACTORS/ *ANDROSTANES/ *ANESTHESIA/ *ANESTHESIA ADJUVANTS/ CHILD/ CHILD, PRESCHOOL/ *CURARE-LIKE AGENTS/ HUMAN/ INFANT/ INFANT, NEWBORN/ PANCURONIUM

François J, Feher J: Studies with the polarization microscope of the fibroblastic activity of the regenerating rabbit's cornea under the influence of corticosteroids. Exp Eye Res 16:201-5, Jul 73
ANIMAL EXPERIMENTS/ BURNS, CHEMICAL, drug therapy/ BURNS, CHEMICAL, pathology/ CHLOROBUTANOL, administration & dosage/ CHLOROBUTANOL, pharmacodynamics/ CHLOROBUTANOL, therapeutic use/ CONNECTIVE TISSUE/ CORNEA, drug effects/ *CORNEA, pathology/ DRUG COMBINATIONS/ *FIBROBLASTS, drug effects/ GLUCOCORTICOIDS, TOPICAL, administration & dosage/ GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HISTOCYTOCHEMISTRY/ KERATIN/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, pharmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ MICROSCOPY, POLARIZATION/ MUCOPOLYSACCHARIDES, analysis/ NEOMYCIN, administration & dosage/ NEOMYCIN, pharmacodynamics/ NEOMYCIN, therapeutic use/ RABBITS/ *REGENERATION/ STAINS AND STAINING

François-Krassowska A: The structure of the thyroid gland in Rana ridibunda Pall. and Rana lessonae Cam. Bull Acad Pol Sci [Biol] 21:357-63, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ FEMALE/ FROGS/ MALE/ *RANA, anatomy & histology/ RANA, physiology/ SEX FACTORS/ *THYROID GLAND, anatomy & histology

Francová V, Queisnerová M, Smolík S, et al: Biochemie léčiv. 28. Rentgenové kontrastní látky. Farmakokinetická studie hydrochloridu N-(2,4,6-trijod-3-(acetyl-beta, gamma-dihydroxypropylamino)-benzyl)-diethanolaminu.
Cesk Farm 22:272-6, Jul 73 (Cze)
ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CONTRAST MEDIA, pharmacodynamics/ DIGESTIVE SYSTEM, metabolism/ ENGLISH ABSTRACT/ ETHANOLAMINES, pharmacodynamics/ GUINEA PIGS/ HUMAN/ *IODOBENZENES, pharmacodynamics/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ RATS/ THYROID GLAND, metabolism

Frand M, Gazit A, Rotem Y: [The diagnostic pattern of phenotypic Turner's syndrome]
Harefuah 84:493-5, 1 May 73 (Heb)
CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PHENOTYPE/ SYNDROME/ *TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, familial & genetic

Frank-Piskorska A, Kotowicz J, Hoszowski K: Ocena wentylacji płuc i stanu równowagi kwasowo-zasadowej u osób ze wzmożoną pobudliwością nerwowo-mięśniową (tężyczką utajoną.
Wiad Lek 26:1393-6, 1 Aug 73 (Pol)
*ACID-BASE EQUILIBRIUM/ ADOLESCENCE/ ADULT/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG, physiopathology/ MALE/ MIDDLE AGE/ SPIROMETRY/ *TETANY, physiopathology

Frankel DL, Wells H, Fillios LC: Concentrations of asparagine in tissues of prepubertal rats after enzymic or dietary depletion of asparagine.
Biochem J 132:645-8, Mar 73
ANIMAL EXPERIMENTS/ ASPARAGINASE, pharmacodynamics/ *ASPARAGINE, metabolism/ ASPARAGINE, pharmacodynamics/ ASPARTATE AMINOTRANSFERASE, metabolism/ BODY WEIGHT/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ INTESTINE, SMALL, drug effects/ INTESTINE, SMALL, metabolism/ KIDNEY, drug effects/ KIDNEY, metabolism/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN SPECIFICITY/ RATS/ SPLEEN, drug effects/ SPLEEN, metabolism/ TESTIS, drug effects/ TESTIS, metabolism/ TIME FACTORS

1226. **Frankel T, Benjamin F:** Rapid enlargement of a uterine fibroid after clomiphene therapy.
J Obstet Gynaecol Br Commonw 80:764, Aug 73
ADULT/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, adverse effects/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ *LEIOMYOMA/ LEIOMYOMA, physiopathology/ OVULATION/ STERILITY, FEMALE, drug therapy/ URINATION DISORDERS, chemically induced/ *UTERINE NEOPLASMS/ UTERINE NEOPLASMS, physiopathology

1227. **Franklin CS, Kyegombe DB:** The distribution and induction of some drug-metabolizing enzymes in man.
Br J Pharmacol 47:616P, Mar 73
COLON, enzymology/ CYTOCHROME P-450, metabolism/ *ENZYME INDUCTION/ *ENZYMES, metabolism/ HEXOBARBITAL/ HUMAN/ IN VITRO/ KIDNEY, enzymology/ LEUCINE AMINOPEPTIDASE, metabolism/ LIVER, enzymology/ LUNG, enzymology/ MICROSOMES, LIVER, enzymology/ MORPHINANS/ OXIDOREDUCTASES, metabolism/ OXIDOREDUCTASES, N-DEMETHYLATING, metabolism/ PLACENTA, enzymology/ PROSTATE, enzymology/ SPLEEN, enzymology/ STOMACH, enzymology/ UDP GLUCURONOSYLTRANSFERASE, metabolism

1228. **Franklin WA, Jennings RB, Earle DP:** Membranous glomerulonephritis: long-term serial observations on clinical course and morphology.
Kidney Int 4:36-56, Jul 73
ADOLESCENCE/ ADULT/ ANTIBODIES, BACTERIAL, analysis/ BASEMENT MEMBRANE/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, analysis/ BLOOD UREA NITROGEN/ CHOLESTEROL, blood/ CREATININE, blood/ FEMALE/ *GLOMERULONEPHRITIS/ GLOMERULONEPHRITIS, complications/ GLOMERULONEPHRITIS, diagnosis/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ HUMAN/ KIDNEY GLOMERULUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEPHROTIC SYNDROME, etiology/ PROTEINURIA, etiology/ REMISSION/ STEROIDS, therapeutic use/ UREMIA, etiology/ UREMIA, mortality

1229. **Franssila K, Saxén E:** Histologic classification as a problem in the epidemiology of thyroid cancer.
Recent Results Cancer Res 39:47-55, 1972
ADENOCARCINOMA, mortality/ ADENOCARCINOMA, occurrence/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CARCINOMA, classification/ CARCINOMA, mortality/ CARCINOMA, occurrence/ CARCINOMA, pathology/ CARCINOMA, PAPILLARY, mortality/ CARCINOMA, PAPILLARY, occurrence/ CHILD/ FEMALE/ FINLAND/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SEX FACTORS/ *THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

1230. **Fraser AF:** The British Veterinarian and modern sheep reproduction. Vet Rec 92:585-8, 2 Jun 73
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ FERTILITY/ GREAT BRITAIN/ INSEMINATION, ARTIFICIAL, veterinary/ MALE/ PREGNANCY/

PREGNANCY TESTS/ PROGESTATIONAL HORMONES, pharmacodynamics/ *REPRODUCTION/ SEMEN/ *SHEEP/ *VETERINARY MEDICINE

1231. **Fraser H, Dickinson AG:** Scrapie in mice. Agent-strain differences in the distribution and intensity of grey matter vacuolation. J Comp Pathol 83:29-40, Jan 73
ANIMAL EXPERIMENTS/ BRAIN/ *BRAIN, pathology/ CEREBRAL CORTEX, pathology/ CORPORA QUADRIGEMINA, pathology/ CROSSES, GENETIC/ FEMALE/ GENOTYPE/ HIPPOCAMPUS, pathology/ HYPOTHALAMUS, pathology/ INJECTIONS/ MALE/ MEDULLA OBLONGATA, pathology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ SCRAPIE, etiology/ SCRAPIE, microbiology/ *SCRAPIE, pathology/ *SCRAPIE VIRUS/ SCRAPIE VIRUS, isolation & purification/ SEPTAL NUCLEI, pathology/ SHEEP/ SPECIES SPECIFICITY/ THALAMUS, pathology

1232. **Fraser TR, Hope-Gill H, Kissebah A, et al:** The effect of procaine hydrochloride and insulin on the cyclic AMP mediated responses in rat adipose tissue. J Physiol (Lond) 231:63P, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, physiology/ FATTY ACIDS, biosynthesis/ FRUCTOSE, metabolism/ GLUCOSE, metabolism/ GLYCOGEN, biosynthesis/ IN VITRO/ *INSULIN, pharmacodynamics/ LIPIDS, metabolism/ *PROCAINE, pharmacodynamics/ RATS

1233. **Frazier WA, Hogue-Angeletti RA, Sherman R, et al:** Topography of mouse 2.5S nerve growth factor. Reactivity of tyrosine and tryptophan. Biochemistry 12:3281-93, 14 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ COMPUTERS, DIGITAL/ GOATS, immunology/ INSULIN/ IODINE ISOTOPES/ KINETICS/ MACROMOLECULAR SYSTEMS/ MALE/ MICE/ MODELS, CHEMICAL/ *NERVE GROWTH FACTOR/ NERVE GROWTH FACTOR, pharmacodynamics/ NICOTINAMIDE/ NITRO COMPOUNDS/ NITROBENZENES/ PROTEIN CONFORMATION/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RECEPTORS, NEURAL/ SUBMANDIBULAR GLAND/ SUCCINIMIDES/ SULFONIC ACIDS/ *TRYPTOPHAN/ *TYROSINE

1234. **Frederickson RC, Jordan LM, Phillis JW:** A reappraisal of the actions of noradrenaline and 5-hydroxytryptamine on cerebral cortical neurons. Comp Gen Pharmacol 3:443-56, Dec 72
ACTION POTENTIALS, drug effects/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANESTHESIA/ ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL CORTEX, drug effects/ CREATININE, metabolism/ DECEREBRATE STATE/ DIBENAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ *ETHANOLAMINES, pharmacodynamics/ FEMALE/ GLUTAMATES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MALE/ MALEATES, pharmacodynamics/ NEURONS, drug effects/ NITROBENZENES, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ *PHENETHYLAMINES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ SYMPATHOLYTICS, pharmacodynamics

1235. **Fredholm BB, Hedqvist P:** Role of pre- and postjunctional inhibition by prostaglandin E2 of lipolysis induced by sympathetic nerve stimulation in dog subcutaneous adipose tissue in situ. Br J Pharmacol 47:711-8, Apr 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD CIRCULATION/ CHROMATOGRAPHY, ION EXCHANGE/ DOGS/ ELECTRIC STIMULATION/ FEMALE/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ HEMATOCRIT/ *LIPIDS, metabolism/ NOREPINEPHRINE, pharmacodynamics/ NORMETANEPHRINE, metabolism/ PERFUSION/ PHENOXYBENZAMINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, metabolism/ TRITIUM/ VASOCONSTRICTOR AGENTS, pharmacodynamics

1236. **Free MJ, Jaffe RA, Jain SK, et al:** Testoster concentrating mechanism in the reproductive org of the male rat. Nature [New Biol] 244:24-6, 4 Jul
ANIMAL EXPERIMENTS/ ARTERIES/ BLO FLOW VELOCITY/ BODY WEIGHT/ CARB ISOTOPES/ FEMORAL ARTERY/ GEL FILTRATION/ INJECTIONS, INTRAVENOUS MALE/ ORGAN WEIGHT/ RADIOIMMUNOASSAY/ RATS/ TESTIS, anatomy & histology/ TESTIS, blood supply *TESTIS, metabolism/ TESTIS, secretion/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TESTOSTERONE, secretion/ TRITIUM/ VEINS

1237. **Free MJ, Tillson SA:** Secretion rate of testicu steroids in the conscious and halothane-anesthetiz rat. Endocrinology 93:874-9, Oct 73
ANESTHESIA/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CROSS REACTIONS/ ESTRONE, blood/ GEL FILTRATION/ GOATS, immunology/ *HALOTHANE, pharmacodynamics/ MALE/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SECRETORY RATE/ TESTIS, blood supply/ *TESTOSTERONE, blood

1238. **Freier DT, Tank ES, Harrison TS:** Pediatric and ac pheochromocytomas. A biochemical and clini comparison. Arch Surg 107:252-5, Aug 73
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, surgery/ *ADRENAL GLAND NEOPLASMS, urine/ ADULT/ *AGE FACTORS/ CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ EPINEPHRIN urine/ HUMAN/ HYPERTENSION, etiology/ INFANT/ INFANT, NEWBORN/ METHYL ETHER, urine/ MIDDLE AGE/ NEOPLASMS MULTIPLE PRIMARY/ NEUROBLASTOMA, complications/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, classification/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, embryology/ PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, surgery/ *PHEOCHROMOCYTOMA, urine/ PREOPERATIVE CARE

1239. **Freisenhausen HD, Frahm H, Ulrich C, et a** Comparison of radioimmunoassay and bioassay human antidiuretic hormone (ADH) in urin Acta Endocrinol [Suppl] (Kbh) 173:155, 197
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DEHYDRATION, urine/ DIABETES INSIPID urine/ HUMAN/ HYPOPHYSECTOMY/ PITUITARY GLAND, physiology/ *RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ *VASOPRESSIN, urine/ WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE

1240. **Fried PA, McIntyre DC:** Electrical and behavi attenuation of the anti-convulsant properties of d 9-TNC following chronic administrations. Psychopharmacologia 31:215-27, 19 Jul 73
AMYGDALOID BODY/ BEHAVIOR, ANIMAL drug effects/ *CANNABIS, administration & dosage/ *CONVULSIONS, drug therapy/ DR TOLERANCE/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ LIMBIC SYSTEM/ MALE/ RATS/ TETRAHYDROCANNABINOL, administration

dosage/ TETRAHYDROCANNABINOL, pharmacodynamics

Friedrich E, Vecsei P, Whitegiver ER, et al: Radioimmunoassay of plasma progesterone.
Acta Endocrinol [Suppl] (Kbh) 173:112, 1973
CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL/ CORTISONE, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY

Fries JF, McDevitt HO: Systemic corticosteroid therapy in rheumatic diseases.
Ration Drug Ther 6:1-5, Nov 72
ARTERITIS, drug therapy/ ARTHRITIS, RHEUMATOID, drug therapy/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MYOSITIS, drug therapy/ PERIARTERITIS NODOSA, drug therapy/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, drug therapy/ POLYMYALGIA RHEUMATICA, drug therapy/ PSORIASIS, drug therapy/ *RHEUMATISM, drug therapy

Friesen HG: Prolactin, its control and clinical significance. Clin Sci 44:2P-3P passim, Feb 73
ADULT/ ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LACTATION DISORDERS, blood/ MALE/ MENSTRUATION/ PITUITARY GLAND, drug effects/ PREGNANCY/ *PROLACTIN, blood/ RADIOIMMUNOASSAY

Fröhlich D, Lohrmann P, Ziegler R, et al: Hypercalcämie und Niereninsuffizienz als Frühsymptome akuter Leukämien.
Verh Dtsch Ges Inn Med 78:117-20, 1972 (Ger)
ACUTE DISEASE/ ADOLESCENCE/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ *KIDNEY FAILURE, CHRONIC, etiology/ LEUKEMIA, complications/ *LEUKEMIA, diagnosis/ MALE

Frolkis WW: Besonderheiten und Mechanismen der Reaktionen des Organismus im Alter auf pharmakologische Präparate.
Z Alternsforsch 27:9-23, 1973 (Ger)
AGE FACTORS/ *AGING/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CATS/ *DRUGS, metabolism/ GERIATRICS/ RABBITS/ RATS/ THYROXINE, metabolism

Fromantin M, Gineste J, Didier A, et al: Les impubérismes et les hypogonadismes â l'incorporation. Etude statistique.
Probl Actuels Endocrinol Nutr 16:179-99, 3 May 73 (Fre)
ADULT/ BRAIN DISEASES/ CRYPTORCHISM, occurrence/ FRANCE/ FRONTAL LOBE, abnormalities/ GYNECOMASTIA/ HUMAN/ HYPOGONADISM, occurrence/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, occurrence/ LIMBIC SYSTEM, abnormalities/ MALE/ *MILITARY MEDICINE/ OLFACTORY BULB, abnormalities/ PUBERTY/ THALAMUS, abnormalities

Frost P, Gomez EC: Inhibitors of sex hormones: development of experimental models.
Adv Biol Skin 12:403-20, 1972 (49 ref.)
ACNE, chemically induced/ ANIMAL EXPERIMENTS/ ESTROGENS, pharmacodynamics/ HAMSTERS/ HIRSUTISM, chemically induced/ HORMONES, antagonists & inhibitors/ HUMAN/ MODELS, BIOLOGICAL/ NUCLEIC ACIDS, biosynthesis/ REVIEW/ SEBUM, drug effects/ *SEX HORMONES, antagonists & inhibitors/ SEX HORMONES, biosynthesis/ SEX HORMONES, metabolism/ SKIN, drug effects/ SKIN, metabolism/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, metabolism/ TISSUE EXTRACTS, pharmacodynamics

1248. **Frühling J, Sand G, Penasse W, et al:** Corrélation entre la morphologie et le contenu lipidique des corticosurrénales du cobaye, du rat et du boeuf.
J Ultrastruct Res 44:113-33, Jul 73 (Fre)
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CATTLE/ CHOLESTEROL, analysis/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GUINEA PIGS/ *LIPIDS, analysis/ LIPOSOMES, analysis/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PHOSPHOLIPIDS, analysis/ RATS/ TRIGLYCERIDES, analysis

1249. **Fry AE, Leius VK, Bacher BE, et al:** Histochemical patterns in the tadpole tail during normal and thyroxine-induced metamorphosis. I. Alkaline phosphatase, acid phosphatase, esterase, and aminopeptidase.
Gen Comp Endocrinol 21:16-29, Aug 73
*ACID PHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ *AMINOPEPTIDASES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD VESSELS, enzymology/ CONNECTIVE TISSUE, enzymology/ ENDOTHELIUM, enzymology/ *ESTERASES, metabolism/ FROGS/ GANGLIA, SPINAL, enzymology/ HISTOCYTOCHEMISTRY/ *METAMORPHOSIS, BIOLOGICAL/ MUSCLES, enzymology/ PHAGOCYTES, enzymology/ *RANA PIPIENS, embryology/ SKIN, enzymology/ SPINAL CORD, enzymology/ TAIL, embryology/ *TAIL, enzymology/ THYROXINE, pharmacodynamics

1250. **Fujita T:** [Parathyroid gland]
Clin Endocrinol (Tokyo) 21:475-9, May 73 (25 ref.) (Jap)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CATTLE, immunology/ MAGNESIUM, metabolism/ *PARATHYROID GLANDS, cytology/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, analysis/ PARATHYROID HORMONE, secretion/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ TISSUE CULTURE

1251. **Fujita T, Orimo H, Okano K, et al:** Radioimmunoassay of serum parathyroid hormone in postmenopausal osteoporosis.
Endocrinol Jap 19:571-7, Dec 72
ADULT/ AGED/ ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ FRACTURES, complications/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, SECONDARY, blood/ HYPOPARATHYROIDISM, blood/ IODINE ISOTOPES/ MALE/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, blood/ OSTEOPOROSIS, complications/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY

1252. **Fukatsu H, Sakoda M, Baba S:** Influence of dexamethasone on TRF induced TSH release in rats.
Endocrinol Jap 20:81-4, Feb 73
ANIMAL EXPERIMENTS/ *DEXAMETHASONE, pharmacodynamics/ JUGULAR VEIN/ MALE/ RATS/ *THYROTROPIN, blood/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

1253. **Fukuchi S, Takenouchi T, Nakajima K, et al:** [Diagnosis of adrenal gland neoplasms causing primary aldosteronism by determination of plasma aldosterone in adrenal- or renal-vein blood]
Folia Endocrinol Jap 49:865-70, 20 Jun 73 (Jap)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLANDS, blood supply/ ADULT/ *ALDOSTERONE, blood/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, blood/ HYPERTENSION, blood/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ RENAL VEINS/ VEINS

1254. **Fukuchi S, Takenouchi T, Nakajima K:** [Plasma aldosterone levels in primary aldosteronism. 1. Renin-angiotensin system and aldosterone]
Folia Endocrinol Jap 49:781-7, 20 May 73 **(Jap)**
*ALDOSTERONE, blood/ *ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FUROSEMIDE/ HUMAN/ HYDROCHLOROTHIAZIDE, diagnostic use/ *HYPERALDOSTERONISM, blood/ POSTURE/ *RENIN, blood/ SPIRONOLACTONE, diagnostic use

1255. **Fukuchi S, Takenouchi T, Nakajima K, et al:** [Renin-angiotensin-aldosterone system in hyperthyroidism]
Folia Endocrinol Jap 49:871-5, 20 Jun 73 **(Jap)**
*ALDOSTERONE, blood/ *ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, diagnostic use/ HUMAN/ HYPERTENSION, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MYXEDEMA, blood/ POSTURE/ *RENIN, blood/ SHEEHAN'S SYNDROME, blood

1256. **Fukuchi S, Takenouchi T, Nakajima K, et al:** [Plasma aldosterone levels in primary aldosteronism. II. Aldosterone and ACTH]
Folia Endocrinol Jap 49:981-7, 20 Jul 73 **(Jap)**
*ALDOSTERONE, blood/ ALDOSTERONE, secretion/ CORTICOTROPIN, diagnostic use/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *HYPERALDOSTERONISM, blood/ RENIN, blood/ STIMULATION, CHEMICAL

1257. **Fukuchi S, Takeuchi T, Nakajima T, et al:** [Renin-angiotensin system and vascular sensitivity in hyperthyroidism]
Clin Endocrinol (Tokyo) 21:615-8, Jun 73 **(Jap)**
*ANGIOTENSIN, blood/ ANGIOTENSINASE, blood/ BLOOD PRESSURE/ *BLOOD VESSELS, physiopathology/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, physiopathology/ MALE/ *RENIN, blood

1258. **Fukui H:** Barrsher Zellkernkörper im Milchgangepithelium.
Yonago Acta Med 16:89-96, Dec 72 **(Ger)**
*BREAST, pathology/ BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, pathology/ CARCINOMA, DUCTAL, familial & genetic/ CARCINOMA, DUCTAL, pathology/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ MASTITIS, familial & genetic/ MASTITIS, pathology/ *SEX CHROMATIN

1259. **Fukui Y, Fukui K, Moriyama T:** Inhibition of enzymes by human salivary immunoglobulin A.
Infect Immun 8:335-40, Sep 73
CATTLE/ CHONDROITIN/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CLOSTRIDIUM PERFRINGENS, enzymology/ COLOSTRUM, immunology/ *ENZYMES/ HUMAN/ HYALURONIDASE/ *IGA, pharmacodynamics/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ MOUTH, microbiology/ MUCOPROTEINS/ NEURAMINIDASE/ PROTEINS, analysis/ SALIVA, enzymology/ *SALIVA, immunology/ STREPTOCOCCUS, enzymology/ SULFATASES/ TESTIS, enzymology/ *TOXINS

1260. **Fuller GC, Crossley HL:** Proline hydroxylase in injury-induced arteriosclerosis.
Adv Metab Disord 2:Suppl 2:111-6, 1973
ALLOXAN DIABETES, enzymology/ ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ AORTA, enzymology/ ARTERIOSCLEROSIS, chemically induced/ ARTERIOSCLEROSIS, drug therapy/ *ARTERIOSCLEROSIS, enzymology/ COLLAGEN, metabolism/ EPINEPHRINE/ *HYDROXYLASES, metabolism/ MALE/ PROLINE HYDROXYLASE, metabolism/ PROPRANOLOL, therapeutic use/ RABBITS/ THYROXINE/ TRITIUM/ WOUND HEALING

1261. **Fuller RW:** Control of epinephrine synthesis a secretion. Fed Proc 32:1772-81, Jul 73 (232 re
ADRENAL CORTEX HORMONES, metabolism ADRENAL CORTEX HORMONES, physiology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ ADRENA MEDULLA, innervation/ ADRENAL MEDULL metabolism/ *ADRENAL MEDULLA, secretio AMINO ACIDS, pharmacodynamics/ ARTERIOSCLEROSIS, metabolism/ CATECHO pharmacodynamics/ DOPA DECARBOXYLASE metabolism/ DOPAMINE BETA HYDROXYLASE, metabolism/ EMOTIONS/ ENZYME REPRESSION/ *EPINEPHRINE, biosynthesis/ EPINEPHRINE, secretion/ EPINEPHRINE, therapeutic use/ HUMAN/ METHYLATION/ METHYLTRANSFERASES, metabolism/ METHYLTYROSINES, pharmacodynamics/ PHENETHYLAMINES/ REVIEW/ TYROSINE HYDROXYLASE, metabolism

1262. **Fumi S:** Contributo allo studio elettroencefalografi dell'enuresi.
Riv Neurol 43:182-95, May-Jun 73 **(It**
ADOLESCENCE/ BRAIN, physiopathology/ CHILD/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ ENURESIS, etiology/ *ENURESIS, physiopathology/ EPILEPSY, complications/ FEMALE/ HUMAN/ MALE/ PUBERTY/ SLEEP, REM

1263. **Funyu T, Shiraiwa Y, Nigawara K, et al:** Famil pheochromocytoma: case report and review of t literature. J Urol 110:151-4, Aug 73
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, familial & genetic/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENA GLAND NEOPLASMS, surgery/ FEMALE/ HUMAN/ MALE/ *PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surger

1264. **Furusawa S, Adachi Y, Komatsu F, et al:** [Loss of the chromosome in various hematologic disorders and significance]
Acta Haematol Jap 36:120-8, Apr 73 **(Ja**
ADULT/ BONE MARROW CELLS, cytology/ CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ *HEMATOLOGIC DISEASES, familial & genetic/ HUMAN/ LEUKEMIA, familial & genetic/ MALE/ MIDDLE AGE/ *SEX CHROMOSOMES

1265. **Fussgänger RD, Schleyer M, Pfeiffer EF:** Correlati insulin and glucagon secretion of the perfused pancreas following pituitary peptides.
Acta Endocrinol [Suppl] (Kbh) 173:105, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ GEL FILTRATION/ GLUCAGON, analysis/ *GLUCAGON, secretion/ INSULIN, analysis/ *INSULIN, secretion/ METHODS/ PANCREA drug effects/ *PANCREAS, secretion/ PANCREATIC EXTRACTS/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

G

1266. **Gabbiani G, Ryan GB, Lamelin JP, et al:** Human smo muscle autoantibody. Its identification as antiac antibody and a study of its binding to "nonmuscul cells. Am J Pathol 72:473-88, Sep 73
ABSORPTION/ *ACTIN/ ANTINUCLEAR FACTORS/ *AUTOANTIBODIES/ *BINDING SITES, ANTIBODY/ BLOOD PLATELETS, immunology/ BLOOD PROTEINS/ GOATS, immunology/ HUMAN/ IGG/ KIDNEY CORTEX, immunology/ LIVER, immunology/ MICROSOMES, immunology/ MITOCHONDRI immunology/ *MUSCLE, SMOOTH, immunology/ MUSCLES, immunology/

RABBITS/ RATS/ STAINS AND STAINING/ STOMACH, cytology/ STOMACH, immunology/ THYROGLOBULIN/ THYROID GLAND, immunology

Gabe M: Contribution à l'histologie des cellules endocrines duodénales des sauropsidés.
Acta Anat (Basel) 85:434-49, 1973 **(Fre)**
ANIMAL EXPERIMENTS/ BASOPHILS/ *BIRDS, anatomy & histology/ CHROMAFFIN SYSTEM, cytology/ *DUODENUM, cytology/ ENDOCRINE GLANDS, cytology/ ENGLISH ABSTRACT/ HISTOLOGY, COMPARATIVE/ *INTESTINAL MUCOSA, cytology/ *REPTILES, anatomy & histology

Gabella G, Juorio AV: Monoamines in the guinea-pig intestine. Br J Pharmacol 47:635passim-636P, Mar 73
ANIMAL EXPERIMENTS/ COLON, analysis/ DENERVATION/ DOPAMINE, analysis/ DUODENUM, analysis/ FLUOROMETRY/ GUINEA PIGS/ ILEUM, analysis/ IN VITRO/ INTESTINAL MUCOSA, analysis/ *INTESTINES, analysis/ INTESTINES, drug effects/ *NOREPINEPHRINE, analysis/ RECTUM, analysis/ RESERPINE, pharmacodynamics/ *SEROTONIN, analysis

Gabler WL, Hubbard GL: The metabolism of 5,5-diphenylhydantoin (DPH) in nonpregnant and pregnant Rhesus monkeys.
Arch Int Pharmacodyn Ther 203:72-91, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DIPHENYLHYDANTOIN, blood/ *DIPHENYLHYDANTOIN, metabolism/ DIPHENYLHYDANTOIN, urine/ FEMALE/ HYDROLYSIS/ *MACACA, metabolism/ METABOLIC CLEARANCE RATE, drug effects/ MONKEYS/ *OVULATION, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL/ SCINTILLATION COUNTERS

Gabutti V, Dardanelli L, David O: Eritropoiesi e mielopoiesi nella atireosi congenita.
Haematologica (Pavia) 58:320-7, 1973 **(Ita)**
BONE MARROW CELLS, cytology/ *ERYTHROPOIESIS/ HEMATOPOIESIS/ *HEMATOPOIETIC STEM CELLS/ HUMAN/ THYMIDINE, metabolism/ *THYROID DISEASES, congenital/ THYROID HORMONES/ TRITIUM

Gaddie J, Petrie GR, Reid IW, et al: Aerosol beclomethasone dipropionate: a dose-response study in chronic bronchial asthma. Lancet 2:280-1, 11 Aug 73
ADULT/ AEROSOLS/ AGED/ AIRWAY OBSTRUCTION, complications/ ASTHMA, blood/ ASTHMA, complications/ *ASTHMA, drug therapy/ ASTHMA, physiopathology/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ MIDDLE AGE/ SPIROMETRY

Gadzhiev KhE, Aliev DM: Kvoprosu terapii lazvennoi bolezni dezoksikortikosteron-atsetatom (DOKA.
Ter Arkh 44:64-7, Dec 72 **(Rus)**
ADULT/ CHRONIC DISEASE/ *DESOXYCORTICOSTERONE, therapeutic use/ DUODENAL ULCER, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PEPTIC ULCER, drug therapy/ PLACEBOS/ STOMACH ULCER, drug therapy

Gaines TB, Kimbrough RD, Linder RE: The oral and dermal toxicity of hexachlorophene in rats.
Toxicol Appl Pharmacol 25:332-43, Jul 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BRAIN, pathology/ BRAIN DISEASES, chemically induced/ HEART, drug effects/ HEMATOCRIT/ HEXACHLOROPHENE, administration & dosage/ HEXACHLOROPHENE, pharmacodynamics/ *HEXACHLOROPHENE, toxicity/ KIDNEY, drug effects/ LETHAL DOSE 50/ LEUKOCYTE COUNT/ LIVER, drug effects/ LUNG, drug effects/ MICROSCOPY, ELECTRON/ MILK, metabolism/ ORGAN WEIGHT/ RATS/ REPRODUCTION, drug effects/ *SKIN ABSORPTION, drug effects/ SPLEEN, drug effects/ TESTIS, drug effects

1274. **Gairdner D:** Maternal diet and lipid composition of breast milk. Lancet 2:563; 8 Sep 73
CORN/ *DIET/ FATTY ACIDS, analysis/ FEMALE/ HUMAN/ LACTATION/ *MILK, HUMAN, analysis/ NUTRITION/ OILS/ PREGNANCY

1275. **Gál F, Somfai S, Szentirmay Z:** Transplantable myeloid rat leukaemia induced by 7,12-dimethylbenz(a)anthracene.
Acta Haematol (Basel) 49:281-90, 1973
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES, pharmacodynamics/ BONE MARROW CELLS, transplantation/ BONE MARROW EXAMINATION/ HEMATOPOIESIS/ KIDNEY, pathology/ *LEUKEMIA, MYELOBLASTIC, chemically induced/ LEUKOCYTE COUNT/ LIVER, cytology/ LIVER, pathology/ LIVER, transplantation/ LUNG, pathology/ LYMPH NODES, pathology/ RATS/ RATS, INBRED STRAINS/ SPLEEN, pathology/ THYMUS GLAND, pathology

1276. **Galand P, Vandenhende J:** Early steps in estradiol-induced vaginal cornification in spayed mice: kinetic study with 3H-thymidine.
Anat Rec 176:455-60, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ EPITHELIAL CELLS, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ THYMIDINE/ TRITIUM/ *VAGINA, cytology/ VAGINA, drug effects

1277. **Galante L, Colstron K, MacIntyre I:** Parathyroid hormone and vitamin D. I. Effect of parathyroid hormone on the 1-hydroxylase enzyme system.
Clin Sci 44:3P passim, Feb 73
ANIMAL EXPERIMENTS/ CHICKENS/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ *HYDROXYLASES, metabolism/ KIDNEY, drug effects/ KIDNEY, enzymology/ *PARATHYROID HORMONE, pharmacodynamics

1278. **Galązka Z, Olszewski W, Święcicki M:** Wpływ wycięcia guczołów przytarczyc na przebieg choroby Recklinghausena ze złamaniem patologicznym uda.
Chir Narzadow Ruchu Ortop Pol 38:365-9, 1973 **(Pol)**
*ADENOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ *FEMORAL FRACTURES, complications/ *FRACTURES, SPONTANEOUS/ HUMAN/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, complications/ *OSTEITIS FIBROSA CYSTICA, therapy/ *PARATHYROID NEOPLASMS, surgery

1279. **Galbraith MN, Horn DH, Middleton EJ, et al:** Structure of podecdysone C, a steroid with moulting hormone activity from the bark of Podocarpus elatus R. Br.
Experientia 29:782, 1973
*ECDYSONE, analysis/ STEROIDS, analysis/ *STEROIDS, isolation & purification/ *TREES

1280. **Gale CC:** Neuroendocrine aspects of thermoregulation.
Annu Rev Physiol 35:391-430, 1973 (120 ref.)
ACCLIMATIZATION/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADRENAL CORTEX HORMONES, physiology/ ADRENAL GLANDS, physiology/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ *BRAIN, physiology/ CATECHOLAMINES, physiology/ COLD/ DIENCEPHALON, physiology/ GANGLIONIC BLOCKADERS, pharmacodynamics/ HEAT/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MACACA/ OSMOTIC PRESSURE/ PRESSORECEPTORS/ REVIEW/ SODIUM,

blood/ THERMORECEPTORS, physiology/ THYROID GLAND, physiology/ THYROID HORMONES, physiology/ THYROIDECTOMY

1281. **Galeazzi RL, Gerber N, Iff HW:** Der Einfluss von Aluminium- und Magnesiumhydroxyd (Alucol) auf die Resorption von Kortison.
Schweiz Med Wochenschr 103:1021-3, 21 Jul 73 **(Ger)**
ADMINISTRATION, ORAL/ *ALUMINUM HYDROXIDE GEL, pharmacodynamics/ *ANTACIDS, pharmacodynamics/ *CORTISONE, metabolism/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROXIDES, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, pharmacodynamics

1282. **Gallacher M, Mackenna BR, McKirdy HC:** Effects of drugs and of electrical stimulation on the muscularis mucosae of rabbit large intestine.
Br J Pharmacol 47:760-4, Apr 73
ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ IN VITRO/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, physiology/ *INTESTINE, LARGE, drug effects/ ISOPROTERENOL, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLE CONTRACTION, drug effects/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics

1283. **Galle P, Hazard J, Perlemuter L, et al:** Intérêt de la gamma-caméra dans l'exploration thyroïdienne.
Ann Endocrinol (Paris) 34:40-7, Jan-Feb 73 **(Fre)**
COMPARATIVE STUDY/ CYSTS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, diagnosis/ METHODS/ MYXEDEMA, diagnosis/ *RADIOISOTOPE SCANNING, instrumentation/ *THYROID DISEASES, diagnosis/ THYROID GLAND, abnormalities/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, diagnosis

1284. **Galli FE, Wassermann GF:** Steroid biosynthesis by gonads of 7- and 10-day-old chick embryos.
Gen Comp Endocrinol 21:77-83, Aug 73
AGE FACTORS/ ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ GONADS, embryology/ *GONADS, metabolism/ *HYDROXYPROGESTERONE, biosynthesis/ IN VITRO/ OVARY, metabolism/ PROGESTERONE, metabolism/ *SEX HORMONES, biosynthesis/ TESTIS, metabolism/ TESTOSTERONE, biosynthesis

1285. **Galzigna L:** Molecular interactions in the phenomenology of the onset of mental illness.
Chem Biol Interact 7:1-9, Jul 73
ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, metabolism/ ADRENOCHROME, metabolism/ *BRAIN, metabolism/ CATALASE, metabolism/ CATECHOL METHYLTRANSFERASE, metabolism/ DEPRESSION, REACTIVE, blood/ DEPRESSION, REACTIVE, enzymology/ DIPHENOL OXIDASES, metabolism/ EPINEPHRINE/ HUMAN/ MACROMOLECULAR SYSTEMS/ *MENTAL DISORDERS, blood/ MENTAL DISORDERS, diagnosis/ MENTAL DISORDERS, enzymology/ MENTAL DISORDERS, metabolism/ MONOAMINE OXIDASE, metabolism/ PEROXIDASES, metabolism/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, enzymology

1286. **Gambrell RD Jr, Greenblatt RB, Mahesh VB:** Inappropriate secretion of LH in the Stein-Leventhal syndrome. Obstet Gynecol 42:429-40, Sep 73
ADOLESCENCE/ ADRENAL GLANDS, physiopathology/ ADULT/ AMENORRHEA, drug therapy/ ANDROGENS, secretion/ CLOMIPHENE, therapeutic use/ DEXAMETHASONE, therapeutic use/ FEMALE/ *FSH, secretion/ GONADOTROPIN blood/ HIRSUTISM/ HUMAN/ 17-KETOSTEROIDS, urine/ *LH, secretion/ MENSTRUATION DISORDERS/ METHODS/ OVARY, physiopathology/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ *STEIN-LEVENTHAL SYNDROME, physiopathology/ TESTOSTERONE, blood/ VIRILISM

1287. **Gandelman R:** The development of cannibalism in m Rockland-Swiss mice and the influence of olfact bulb removal. Dev Psychobiol 6:159-64, Mar
*AGGRESSION/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *EATING/ HOUSING, ANIMAL/ *LIMBIC SYSTEM, physiology/ MALE/ MICI OLFACTORY BULB, physiology/ PROPIONATES/ SEX FACTORS/ SMELL/ TESTOSTERONE, pharmacodynamics

1288. **Ganesan PA, Karim SM:** Polyphloretin phosph temporarily potentiates prostaglandin E 2 on the fundus, probably by inhibiting PG15-hydroxydehydrogenase.
J Pharm Pharmacol 25:229-33, Mar 73
*ALCOHOL OXIDOREDUCTASES, antagonist & inhibitors/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ HUMAN/ IN VITRO/ JEJUNUM, drug effects/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PHLORETIN, administration & dosage/ *PHLORETIN, pharmacodynamics/ PROSTAGLANDINS/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ STOMACH, drug effects/ *STOMACH, enzymology

1289. **Ganong WF:** Biogenic amines, sympathetic nerves, renin secretion. Fed Proc 32:1782-4, Jul 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *BIOGEN AMINES, physiology/ *BLOOD PRESSURE/ ETHYLENEDIAMINES, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, drug effects/ JUXTAGLOMERULAR APPARATUS, physiology/ *JUXTAGLOMERULAR APPARATUS, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ *PRESSORECEPTORS, physiology/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ *RENIN, secretion/ THEOPHYLLINE, pharmacodynamics/ *VASOMOTOR SYSTEM, physiology

1290. **Ganten D, Boucher R, Granger P, et al:** Quelc aspects nouveaux sur le système rénine-angioten Union Med Can 102:775-86, Apr 73 (148 ref.) (
ALDOSTERONE/ ANGIOTENSIN, biosynthes *ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ DOG ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION/ HYPERTENSION, blood/ HYPERTENSION, enzymology/ MINERALOCORTICOIDS/ NEPHRECTOMY/ RATS/ RENIN, biosynthesis/ RENIN, blood *RENIN, physiology/ REVIEW

1291. **Ganten D, Ganten U, Granger P, et al:** Renin-angiotensin in extrarenal tissues.
Verh Dtsch Ges Inn Med 78:1510-2, 1972
*ANGIOTENSIN, analysis/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ DOG KIDNEY, analysis/ *RENIN, analysis

1292. **Garcia CA, McGarry PA, Voirol M, et al:** Neurolo involvement in the Smith-Lemli-Opitz syndr clinical and neuropathological findings.
Dev Med Child Neurol 15:48-55, Feb 73
*ABNORMALITIES, MULTIPLE/ AUTOPSY

BRAIN, abnormalities/ BRAIN, growth & development/ *CENTRAL NERVOUS SYSTEM, abnormalities/ CEREBELLUM, pathology/ CEREBRAL CORTEX, pathology/ CONVULSIONS, etiology/ CRYPTORCHISM, complications/ CYANOSIS, etiology/ FACIAL EXPRESSION/ *GROWTH DISORDERS, familial & genetic/ HUMAN/ HYPOSPADIAS, complications/ *MENTAL RETARDATION, familial & genetic/ MENTAL RETARDATION, pathology/ *MICROCEPHALY, familial & genetic/ MICROCEPHALY, pathology/ MUSCLE TONUS/ ORGAN WEIGHT/ SPINAL CORD, abnormalities/ SYNDROME

Garcia Leme J, Hamamura L, Leite MP, et al: Pharmacological analysis of the acute inflammatory process induced in the rat's paw by local injection of carrageenin and by heating.
Br J Pharmacol 48:88-96, May 73
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ASPIRIN, therapeutic use/ *BURNS, drug therapy/ *CARRAGEENAN/ CARRAGEENAN, administration & dosage/ EDEMA, chemically induced/ INDOMETHACIN, therapeutic use/ *INFLAMMATION, chemically induced/ INFLAMMATION, drug therapy/ MALE/ PERFUSION/ PERMEABILITY/ RATS/ SEROTONIN, antagonists & inhibitors/ TIME FACTORS

Garcia-Webb P, Briggs MH: Hypercalcaemia in Addison's disease. Med J Aust 1:863-4, 28 Apr 73
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, enzymology/ CASE REPORT/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ HUMAN/ HYDROXYLASES, metabolism/ *HYPERCALCEMIA, etiology/ LIVER, enzymology/ MALE

Gardner DG, Wittliff JL: Demonstration of a glucocorticoid hormone-receptor complex in the cytoplasm of a hormone-responsive tumour.
Br J Cancer 27:441-4, Jun 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOPLASM, metabolism/ DESOXYCORTICOSTERONE, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HYDROCORTISONE, metabolism/ LIGANDS/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ PROGESTERONE, metabolism/ RATS/ *RECEPTORS, HORMONE/ SUCROSE/ *TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM

Gardner DG, Wittliff JL: Specific estrogen receptors in the lactating mammary gland of the rat.
Biochemistry 12:3090-6, 31 Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ CHLOROMERCURIBENZOATES, pharmacodynamics/ COMPUTERS, DIGITAL/ CYTOSOL, metabolism/ DEXTRAN/ DRUG STABILITY/ *ESTRADIOL, metabolism/ FEMALE/ KINETICS/ *LACTATION/ MAMMAE, cytology/ MAMMAE, drug effects/ *MAMMAE, metabolism/ MOLECULAR WEIGHT/ PREGNANCY/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ STEROIDS, pharmacodynamics/ TIME FACTORS/ TRITIUM

Gardner FH, Gorshein D: Regulation of erythropoiesis by androgens.
Trans Am Clin Climatol Assoc 84:60-70, 1973
ANDROGENS, pharmacodynamics/ ANDROGENS, therapeutic use/ ANEMIA, blood/ ANEMIA, drug therapy/ ANIMAL EXPERIMENTS/ ANOXIA, complications/ BONE MARROW, drug effects/ CHICK EMBRYO/ DACTINOMYCIN, pharmacodynamics/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, blood/ ERYTHROPOIETIN, pharmacodynamics/ HEME, biosynthesis/ HEMOGLOBIN, biosynthesis/ HUMAN/ IRON ISOTOPES/ MICE/ MONKEYS/ OXYGEN, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1298. **Gardner JD, Klino DR, Swartz TJ, et al:** Effects of digoxin-specific antibodies on accumulation and binding of digoxin by human erythrocytes.
J Clin Invest 52:1820-33, Aug 73
ADULT/ *ANTIBODIES/ ANTIBODY SPECIFICITY/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ DIGOXIN/ *DIGOXIN, metabolism/ *ERYTHROCYTES, metabolism/ FEMALE/ HEMATOCRIT/ HUMAN/ IMMUNE SERUMS, pharmacodynamics/ IN VITRO/ MALE/ METHODS/ OUABAIN, metabolism/ POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ SODIUM, pharmacodynamics/ STEROIDS, pharmacodynamics/ TEMPERATURE/ TIME FACTORS/ TRITIUM

1299. **Gardner JD, Klaeveman HL, Bilezikian JP, et al:** Effect of beta-adrenergic catecholamines on sodium transport in turkey erythrocytes.
J Biol Chem 248:5590-7, 25 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, enzymology/ *ERYTHROCYTES, metabolism/ HUMAN/ ISOPROTERENOL, administration & dosage/ ISOPROTERENOL, pharmacodynamics/ OSMOLAR CONCENTRATION/ POTASSIUM, pharmacodynamics/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ SODIUM ISOTOPES/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM/ TURKEYS

1300. **Gardstein HF Jr, Ferenczy A, Richart RM:** Asymptomatic bilateral ovarian infarction and venous thrombosis. Am J Obstet Gynecol 116:1164-6, 15 Aug 73
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *INFARCTION, complications/ *OVARY, blood supply/ OVARY, pathology/ *THROMBOPHLEBITIS, complications/ THROMBOPHLEBITIS, surgery/ VEINS, pathology

1301. **Garewal HS:** A procedure for the estimation of microgram quantities of triton X-100.
Anal Biochem 54:319-24, Aug 73
AMMONIUM COMPOUNDS/ CHEMISTRY/ COBALT/ METHODS/ OSMOLAR CONCENTRATION/ PRECIPITATION/ PROTEINS/ SODIUM CHLORIDE/ SOLUBILITY/ SPECTROPHOTOMETRY/ *SURFACE-ACTIVE AGENTS, analysis/ THIOCYANATES

1302. **Garfinkel PE, Ezrin C, Stancer HC:** Hypothyroidism and hyperparathyroidism associated with lithium.
Lancet 2:331-2, 11 Aug 73
CALCIUM, blood/ CARBONATES, adverse effects/ CARBONATES, therapeutic use/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, diagnosis/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ *PSYCHOSES, MANIC-DEPRESSIVE, complications/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ THYROXINE, therapeutic use/ TRANYLCYPROMINE, therapeutic use

1303. **Garg BD, Tuchweber B, Werringloer J, et al:**

Ultrastructural changes in rat hepatocytes following discontinuation of pregnenolone-16 alpha-carbonitrile treatment.
Acta Anat (Basel) 85:190-205, 1973
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ ENZYME INDUCTION, drug effects/ FEMALE/ GOLGI APPARATUS/ LIVER, anatomy & histology/ LIVER, cytology/ *LIVER, drug effects/ LIVER GLYCOGEN, metabolism/ LYSOSOMES/ MICROBODIES/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, LIVER/ NITRILES/ ORGAN WEIGHT/ PREGNENOLONE, administration & dosage/ *PREGNENOLONE, pharmacodynamics/ RATS

1304. **Garoff L, Seppälä M:** Alpha fetoprotein and human placental lactogen levels in maternal serum in multiple pregnancies.
J Obstet Gynaecol Br Commonw 80:695-700, Aug 73
AMPLIFIERS/ FEMALE/ FETAL DEATH, blood/ *FETAL GLOBULINS, analysis/ FETAL HEART/ HUMAN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS/ QUADRUPLETS/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRIPLETS/ TWINS

1305. **Garret R:** Adenomas. Arch Pathol 96:207, Sep 73
*ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ HUMAN/ NOMENCLATURE

1306. **Garrido CM, Gallardo H:** Tumor de glándula paratiroidea con osteosis paratíróidea secundaria.
Arch Fund Roux Ocefa 6:223-7, 1972 **(Spa)**
*ADENOMA, complications/ ADENOMA, pathology/ CASE REPORT/ *COLLAGEN DISEASES, etiology/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, pathology

1307. **Gattereau A, Bénard B, Verdy M, et al:** Congenital goiter in four euthyroid siblings with glandular and circulating iodoproteins and defective iodothyronine synthesis. J Clin Endocrinol Metab 37:118-28, Jul 73
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ CHROMATOGRAPHY/ FEMALE/ GEL FILTRATION/ GOITER, familial & genetic/ *GOITER, metabolism/ HUMAN/ IN VITRO/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ *IODOPROTEINS, metabolism/ MALE/ PRONASE/ THIOCYANATES, diagnostic use/ *THYROID GLAND, metabolism/ *THYROID HORMONES, biosynthesis/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, metabolism/ TRIIODOTHYRONINE, blood

1308. **Gautier M, Hugon RN:** Etude systématique de corpuscule de Barr chez 2500 nourrissons atteints de cardiopathie congénitale sévère.
Ann Genet (Paris) 16:67-8, Mar 73 **(Fre)**
ENGLISH ABSTRACT/ FEMALE/ *HEART DEFECTS, CONGENITAL, familial & genetic/ HUMAN/ INFANT/ INFANT, NEWBORN/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MOSAICISM/ *SEX CHROMATIN/ SEX FACTORS/ STATISTICS/ TETRALOGY OF FALLOT, familial & genetic/ TURNER'S SYNDROME, familial & genetic

1309. **Gautvik KM, Tashjian AH Jr:** Effects of cations and colchicine on the release of prolactin and growth hormone by functional pituitary tumor cells in culture. Endocrinology 93:793-9, Oct 73
*CALCIUM, pharmacodynamics/ CLONE CELLS, metabolism/ COLCHICINE, antagonists & inhibitors/ *COLCHICINE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ *PITUITARY NEOPLASMS, metabolism/ *POTASSIUM, pharmacodynamics/ *PROLACTIN, metabolism/ PROTEIN HYDROLYSATES, metabolism/ PROTEINS, biosynthesis/ RATS/ *SODIUM, pharmacodynamics/ *SOMATOTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTO TISSUE CULTURE/ TRITIUM

1310. **Gaziri LC, Ladosky W:** Monoamine oxidase varia during sexual differentiation.
Neuroendocrinology 12:249-56, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ *CELL DIFFERENTIATION/ FEMALE/ *HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, growth & development/ MALE/ *MONOAMINE OXIDASE, metabolis RATS/ SEROTONIN, metabolism/ *SEX CHARACTERISTICS/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

1311. **Gebhardt M, Heinen H, Zwicker H:** Zur röntgenologischen Mineraläquivalenzbestimmur des Knochens. 3. Ein universell verwendba exaktes Mineraläquivalenzmessgerät zur Bestimmung von Entkalkungsvorgängen im Fingerknochen.
Fortschr Geb Roentgenstr Nuklearmed 118:574-8, 73 (
*BONE AND BONES, analysis/ BONE MARROW, analysis/ BONE MATRIX, analys *DENSITOMETRY, X-RAY/ ENGLISH ABSTRACT/ FINGERS, analysis/ *FINGERS radiography/ HUMAN/ *MINERALS, analysi RADIOISOTOPE SCANNING

1312. **Geiger W, Prang R:** Considerable increase of r HCS-clearance after the removal of fetus placenta. Acta Endocrinol [Suppl] (Kbh) 173:51,
*ABORTION, THERAPEUTIC/ FEMALE/ FETUS, metabolism/ HUMAN/ *KIDNEY, metabolism/ PLACENTA, metabolism/ PLACENTAL LACTOGEN, blood/ *PLACENTAL LACTOGEN, metabolism/ PLACENTAL LACTOGEN, urine/ PREGNANCY/ PUERPERIUM/ RADIOIMMUNOASSAY

1313. **Gelbke HP, Knuppen R:** A chemical method for determination of 2-hydroxyoestrone in human u
Acta Endocrinol [Suppl] (Kbh) 173:110, 19
ASCORBIC ACID/ CHROMATOGRAPHY, PAPER/ *ESTRONE, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ METHODS/ PHENAZINES/ PREGNANCY

1314. **Gellén B, György L, Dóda M:** Influence of the sur isolation of the hypothalamus on oxotremorine-induced rage reaction and sympati response in the cat.
Acta Physiol Acad Sci Hung 42:195-202, 19
ANGER, drug effects/ ANIMAL EXPERIMENTS/ ARECOLINE, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ CATS/ FEMALE/ GALLAMI TRIETHIODIDE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ MALE/ MUSCLE CONTRACTION, drug effects/ NICTITATING MEMBRANE, drug effects/ *OXOTREMORINE, pharmacodynamics/ PENTYLENETETRAZOLE, pharmacodynami

1315. **Gelot M, Hartemann P, Nabet P, et al:** Le dosa l'AMP cyclique par "binding competition": application à des liquides biologiques.
C R Soc Biol (Paris) 166:1476-81, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPH urine/ ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BODY FLUIDS, analysis/ CATTLE/ HUMAN/ IN VITRO/ METHODS/ NUCLEOTIDES

1316. **Genchev DD:** Activity of cytidine triphosph synthetase in normal and neoplastic tissue
Experientia 29:789-90, 1973
ANIMAL EXPERIMENTS/ BRAIN, enzymo CARBON ISOTOPES/ CARCINOMA, EHRL TUMOR, enzymology/ *CYTOSINE

NUCLEOTIDES, metabolism/ KIDNEY, enzymology/ LIVER, enzymology/ MALE/ MULTIPLE MYELOMA, enzymology/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ *NEOPLASMS, enzymology/ PEPTIDE SYNTHETASES, blood/ *PEPTIDE SYNTHETASES, metabolism/ RATS/ RHABDOMYOSARCOMA, enzymology/ SPLEEN, enzymology/ TESTIS, enzymology

Genest P: Transmission hèrèditaire, depuis 300 ans, d'un chromosome Y à satellites dans une lignèe familiale.
Ann Genet (Paris) 16:35-8, Mar 73 (Fre)
CANADA/ *CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PEDIGREE/ *SEX CHROMOSOMES

Gennes JL de, Garnier P: Problémes actuels posès par la pubertè prècoce essentielle.
Probl Actuels Endocrinol Nutr 16:101-19, 3 May 73 (Fre)
AFFECTIVE DISTURBANCES/ FEMALE/ FSH, blood/ GONADOTROPINS, urine/ GROWTH DISORDERS/ HUMAN/ LH, blood/ MALE/ METHODS/ OSSIFICATION, PHYSIOLOGIC/ PROGESTERONE, therapeutic use/ PROGNOSIS/ *PUBERTY, PRECOCIOUS/ PUBERTY, PRECOCIOUS, diagnosis/ PUBERTY, PRECOCIOUS, drug therapy/ PUBERTY, PRECOCIOUS, physiopathology/ RADIOIMMUNOASSAY/ SEX FACTORS/ STEROIDS, urine/ TESTOSTERONE, blood

Gennes JL de, Turpin G, Truffert J: Contraceptives, thromboembolism and lipid metabolism.
Acta Endocrinol [Suppl] (Kbh) 173:182-3, 1973
ADULT/ BRAIN STEM, blood supply/ CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CORONARY DISEASE, chemically induced/ FEMALE/ HEMIPLEGIA, chemically induced/ HUMAN/ HYPERCHOLESTEREMIA, complications/ ISCHEMIA, chemically induced/ LIPID METABOLISM, INBORN ERRORS, complications/ *LIPIDS, metabolism/ MIDDLE AGE/ PULMONARY EMBOLISM, chemically induced/ *THROMBOEMBOLISM, chemically induced/ THROMBOPHLEBITIS, chemically induced/ THROMBOSIS, chemically induced

Gerall AA, Stone LS, Hitt JC: Neonatal androgen depresses female responsiveness to estrogen.
Physiol Behav 8:17-20, Jan 72
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BENZOATES/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ HOUSING, ANIMAL/ LOCOMOTION, drug effects/ MALE/ ORGAN WEIGHT/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ UTERUS, anatomy & histology/ VAGINAL SMEARS

Gérard A: Etudes histochimiques de l'activité sécrétoire de la muqueuse gastrique chez le chien.
Ann Anat Pathol (Paris) 17:355-77, Jul-Sep 72 (Fre)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CORTISONE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, secretion/ GASTRIN, pharmacodynamics/ *GLYCOPROTEINS, isolation & purification/ HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ *MUCIN, secretion/ NEURAMINIC ACIDS, secretion/ PARASYMPATHOMIMETICS, pharmacodynamics/ PHENYLBUTAZONE, pharmacodynamics/ PYLORIC ANTRUM, secretion/ PYLORUS, secretion

Gerasimenko PP: Sluchai stertoi formy pervichnogo l'dosteronizma.
Ter Arkh 44:116-8, Nov 72 (Rus)
*ADRENAL GLAND NEOPLASMS, complications/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERALDOSTERONISM, etiology/ PARALYSIS, etiology

1323. **Gerasimenko PP:** Znachenie giperal'dosteronizma v patogeneze arterial'nol gipertonii pri feokhromotsitome.
Kardiologiia 13:84-90, May 73 (Rus)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ ALDOSTERONE, urine/ BIOPSY/ CATECHOLAMINES, urine/ CHROMATOGRAPHY, THIN LAYER/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, complications/ *HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, surgery/ PHOTOMETRY/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ VANILMANDELIC ACID, urine

1324. **Gerber GB, Deroo J:** Metabolism of NAD after whole-body irradiation. IV. Incorporation of nicotinamide by isolated perfused liver and by intact rats. Int J Radiat Biol 22:351-60, Oct 72
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ IN VITRO/ INTESTINES, metabolism/ KIDNEY, metabolism/ *LIVER, metabolism/ MALE/ MUSCLES, metabolism/ *NAD, metabolism/ *NICOTINAMIDE, metabolism/ NICOTINIC ACID, metabolism/ PERFUSION/ *RADIATION INJURIES, EXPERIMENTAL, metabolism/ RATS/ SPLEEN, metabolism/ TESTIS, metabolism

1325. **Gerber HA, Jöchle W, Sulman FG:** Control of reproduction and of undesirable social and sexual behaviour in dogs and cats.
J Small Anim Pract 14:151-8, Mar 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ CATS/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ DOGS/ ESTRUS, drug effects/ FEMALE/ HYDROXYSTEROIDS, pharmacodynamics/ MALE/ *PREGNATRIENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *REPRODUCTION, drug effects/ *SEX BEHAVIOR, ANIMAL, drug effects/ SOCIAL BEHAVIOR

1326. **Gerdes H:** Nebenwirkungen und Wirkungen der Lithiumtherapie beim Menschen im Bereich des Endokriniums.
Internist (Berlin) 14:175-6, Apr 73 (18 ref.) (Ger)
ANIMAL EXPERIMENTS/ CATECHOLAMINES, secretion/ DIABETES INSIPIDUS, chemically induced/ FEMALE/ GASTRIN, secretion/ GLUCAGON, secretion/ GOITER, chemically induced/ HUMAN/ HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, chemically induced/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ LITHIUM, adverse effects/ *LITHIUM, therapeutic use/ MIDDLE AGE/ PANCREAS, drug effects/ PROTEIN-BOUND IODINE TEST/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ RATS/ REVIEW/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROTROPIN, analysis/ THYROXINE, analysis

1327. **Gerdes H, Littmann KP, Joseph K, et al:** Die Behandlung der Thyreotoxikose mit Lithium. Klinische Erfahrungen und Ergebnisse mit einem neuen therapeutischen Prinzip.
Dtsch Med Wochenschr 98:1551-4, 24 Aug 73 (Ger)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPERTHYROIDISM, drug therapy/ IODINE ISOTOPES, DIAGNOSTIC/ LITHIUM, administration & dosage/ *LITHIUM, therapeutic use/ LONG TERM CARE/ MALE/ MIDDLE AGE/ PHENOBARBITAL, therapeutic

use/ PREDNISONE, therapeutic use/ TECHNETIUM, diagnostic use/ THYROID CRISIS, diagnosis/ *THYROID CRISIS, drug therapy/ THYROXINE, blood/ TRIIODOTHYRONINE, diagnostic use

1328. **Gerdes H, Littmann KP, Joseph K, et al:** Successful treatment of thyrotoxicosis by lithium.
Acta Endocrinol [Suppl] (Kbh) 173:23, 1973
HUMAN/ *HYPERTHYROIDISM, drug therapy/ IODINE ISOTOPES/ LITHIUM, adverse effects/ *LITHIUM, therapeutic use/ TECHNETIUM/ THYROID GLAND FUNCTION TESTS

1329. **Gerdes H, Riemenschneider H, Littmann KP:** Effect of bile acids and some biliary excreted drugs on the metabolism of cortisol.
Acta Endocrinol [Suppl] (Kbh) 173:10, 1973
BILE ACIDS AND SALTS, metabolism/ *BILE ACIDS AND SALTS, pharmacodynamics/ *CHOLESTASIS, metabolism/ HALF-LIFE/ HEPATITIS, metabolism/ HUMAN/ *HYDROCORTISONE, metabolism/ *LIVER CIRRHOSIS, metabolism/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

1330. **Gerhards E, Lachnit U, Gaude R, et al:** Metabolic effects of a combination of dl-norgestrel and ethinylestradiol in humans.
Arzneim Forsch 23:779-84, Jun 73
ADULT/ BLOOD SUGAR, metabolism/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, pharmacodynamics/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, blood/ LIPOPROTEINS, blood/ MENSTRUATION, drug effects/ *METABOLISM/ *NORGESTREL, pharmacodynamics/ OVULATION, drug effects/ TIME FACTORS/ TRIGLYCERIDES, blood

1331. **Gerich JE, Langlois M, Noacco C, et al:** Lack of glucagon response to hypoglycemia in diabetes: evidence for an intrinsic pancreatic alpha cell defect.
Science 182:171-3, 12 Oct 73
ADOLESCENCE/ ADULT/ AGED/ ARGININE, pharmacodynamics/ BLOOD SUGAR/ *DIABETES MELLITUS, JUVENILE, metabolism/ FEMALE/ GLUCAGON, blood/ *GLUCAGON, secretion/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, metabolism/ INSULIN, pharmacodynamics/ *ISLANDS OF LANGERHANS, secretion/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood

1332. **Germann HJ, Westerhausen M, Maas D:** Immunproliferative Erkrankung mit komplexem Immundefekt.
Verh Dtsch Ges Inn Med 78:908-11, 1972 **(Ger)**
AGED/ ANTINUCLEAR FACTORS/ AUTOANTIBODIES/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *LYMPHOMA, complications/ LYMPHOMA, immunology/ MITOCHONDRIA, immunology/ THYROID GLAND, immunology

1333. **Germer MZ:** Bioelektricheskaia aktivnost' matki v kontse beremennosti.
Akush Ginekol (Mosk) 48:45-7, Sep 72 **(Rus)**
ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ FEMALE/ GESTATIONAL AGE/ *PLACENTA, physiology/ *PREGNANCY/ RABBITS/ *UTERUS, physiology

1334. **Gessler U:** Zur Therapie der chronischen Glomerulonephritis.
Fortschr Med 91:819-23, 5 Jul 73 **(Ger)**
ACIDOSIS, etiology/ ADRENAL CORTEX HORMONES, therapeutic use/ CHRONIC DISEASE/ DIET THERAPY/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, therapy/ HUMAN/ HYPERKALEMIA, etiology/ HYPOKALEMI etiology/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ WATER-ELECTROLYTE BALANCE

1335. **Gessner PK, Soble AG:** A study of the tranylcypromine-meperidine interaction: effect p-chlorophenylalanine and l-5-hydroxytryptop
J Pharmacol Exp Ther 186:276-87, Aug 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ DOSE-RESPON RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ *HYDROXYTRYPTOPHAN, pharmacodynam LETHAL DOSE 50/ *MEPERIDINE, pharmacodynamics/ MEPERIDINE, toxicity/ MICE/ SEROTONIN, metabolism/ TIME FACTORS/ *TRANYLCYPROMINE, pharmacodynamics/ TRANYLCYPROMINE, toxicity/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors

1336. **Gessner T, Jacknowitz A, Vollmer CA:** Studie mammalian glucoside conjugation.
Biochem J 132:249-58, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ ESTROGENS, pharmacodynamics/ GLUCOSI metabolism/ GLUCOSYLTRANSFERASES, metabolism/ *GLUCURONATES, biosynthes GLUCURONATES, metabolism/ *GLYCOSII biosynthesis/ HYDROGEN-ION CONCENTRATION/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ LIVER, enzymology/ MALE/ MICE/ MICROSOMES, LIVER, dru effects/ MICROSOMES, LIVER, metabolism NITROPHENOLS/ PREGNANEDIOL, pharmacodynamics/ PREGNANES, pharmacodynamics/ SUBCELLULAR FRACTIONS, enzymology/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS ULTRACENTRIFUGATION/ URIDINE DIPHOSPHATE SUGARS, metabolism

1337. **Getz MJ, Saunders GF:** Origins of human leuk chromatin-associated RNA.
Biochim Biophys Acta 312:555-73, 13 Jul 7
BASE SEQUENCE/ BINDING SITES/ CEL NUCLEUS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMATIN, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ DNA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRAT HUMAN/ IODINE/ IODINE ISOTOPES/ LEUKEMIA, LYMPHOCYTIC, blood/ LEUKOCYTES, cytology/ *LEUKOCYTES, metabolism/ MOLECULAR WEIGHT/ NUC ACID HYBRIDIZATION/ PRONASE/ RIBONUCLEOSIDES, analysis/ *RNA, NEOPLASM, biosynthesis/ RNA, NEOPLA isolation & purification/ SODIUM DODEC SULFATE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ ULTRAFILTRATION

1338. **Getz R, Krengel B:** Protein-bound iodine values aged. S Afr Med J 47:1270, 28 Jul 73
AGED/ *BLOOD PROTEINS/ FEMALE/ HUMAN/ *IODINE, blood/ MALE/ MYXEDEMA, diagnosis/ *PROTEIN BINDI

1339. **Gheiman M, Gheiman M:** Complicații neuro-psihi rujeolei. Considerații asupra unui caz de meningo-encefalită rujeolică.
Stud Cercet Virusol 24:295-9, 1973 (
ADRENAL CORTEX HORMONES, therape use/ ANTIBIOTICS, therapeutic use/ CHI ENGLISH ABSTRACT/ FEMALE/ HUMAN *MEASLES, complications/ MEASLES, dru therapy/ MENINGOENCEPHALITIS, drug therapy/ *MENINGOENCEPHALITIS, etiol VITAMINS, therapeutic use

1340. **Gheorghe N, Cîrstoiu I:** Effet des petites d'irradiation externe et interne sur l'orga
Rev Roum Physiol 9:337-44, 1972
GOLD ISOTOPES, diagnostic use/ HUMA IODINE ISOTOPES, DIAGNOSTIC/ KIDNI radiation effects/ MERCURY ISOTOPES,

diagnostic use/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RADIATION PROTECTION/ *RADIOISOTOPES, diagnostic use/ TECHNETIUM, diagnostic use/ THYROID GLAND, radiation effects

Ghişe-Beer D, Săndulescu S: Rolul tratamentului hormonal în oncologie.
Munca Sanit 21:257-60, May 73 **(Rum)**
ENGLISH ABSTRACT/ HORMONES, therapeutic use/ NEOPLASMS, drug therapy/ SPECIAL LIST NURSING

Ghizari E, Butculescu I, Ciontescu L, et al: Recherches sur certains méchanismes biochimiques au cours de la régénération hépatique. Etude comparative de l'action des petites doses de radiations ionisantes et de quelques hormones et médicaments immuno-suppressifs.
Rev Roum Physiol 10:317-21, 1973 **(Fre)**
ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ DNA, metabolism/ *HORMONES, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ INSULIN, pharmacodynamics/ LIVER, metabolism/ *LIVER REGENERATION, drug effects/ LIVER REGENERATION, radiation effects/ PROTEINS, metabolism/ *RADIATION EFFECTS/ RATS/ VASOPRESSIN, pharmacodynamics

hizari E, Ciontescu L, Strungaru A, et al: Action de certaines hormones sur l'activité des transaminases hépatiques au cours de la régénération du foie chez le rat. Rev Roum Physiol 9:345-53, 1972 **(Fre)**
ALANINE AMINOTRANSFERASE, blood/ *ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ *ASPARTATE AMINOTRANSFERASE, metabolism/ HEPATECTOMY/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ *LIVER REGENERATION/ MALE/ RATS/ TIME FACTORS/ *VASOPRESSIN, pharmacodynamics

osh A, Maity LK, Banerjee SK: Histological changes n testes of the garden lizard, Calotes versicolor Daudin), following x-irradiation.
ndian J Exp Biol 10:459-61, Nov 72
ANIMAL EXPERIMENTS/ LEYDIG CELLS, radiation effects/ *LIZARDS, radiation effects/ MALE/ *RADIATION EFFECTS/ SERTOLI CELLS, radiation effects/ SPERMATOGENESIS, radiation effects/ SPERMATOZOA, radiation effects/ TESTIS, pathology/ *TESTIS, radiation effects

osh D, Goswami P: Effect of insulin on tissue alcium. Indian J Med Sci 26:294-7, May 72
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ DIETARY PROTEINS/ GASTROINTESTINAL SYSTEM, metabolism/ *INSULIN, pharmacodynamics/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS/ SPLEEN, metabolism

af R, Hoff HG, Lax ER, et al: The 5 beta-metabolites testosterone: mode and sex-specificity of their rmation in the rat liver.
ta Endocrinol (Kbh) 73:577-84, Jul 73
*ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCURONATES, metabolism/ 17-HYDROXYCORTICOSTEROIDS, biosynthesis/ IN VITRO/ *LIVER, metabolism/ MALE/ RATS/ SEX FACTORS/ *STANOLONE, biosynthesis/ STEROLS, biosynthesis/ TESTOSTERONE, metabolism

af R, Lax ER, Schriefers H: Retention of androgens: sex characteristic of rat liver.
ta Endocrinol [Suppl] (Kbh) 173:134, 1973
ANDROSTANES, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ HYDROGENATION/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ *LIVER, metabolism/ MALE/ RATS/ SEX FACTORS/ STEROLS, metabolism/ *TESTOSTERONE, metabolism

1348. **Gião T Rico JM, Costa Ferreira JM, Cravo AC:** L'effet de l'indométacine sur l'augmentation de la perméabilité capillaire provoquée par quelques substances phlogistiques.
C R Soc Biol (Paris) 166:1569-72, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *CAPILLARY PERMEABILITY, drug effects/ DEPRESSION, CHEMICAL/ *INDOMETHACIN, pharmacodynamics/ MALE/ PROPRANOLOL, antagonists & inhibitors/ PROSTAGLANDINS, antagonists & inhibitors/ RATS/ SEROTONIN, antagonists & inhibitors

1349. **Gião JM, Rico T, Costa Ferreira JM, et al:** L'effet de l'indométacine sur l'augmentation de la perméabilité capillaire provoquée par quelques substances phlogistiques.
Z Zellforsch Mikrosk Anat 140:1569-72, 20 Jun 73 **(Fre)**
ANIMAL EXPERIMENTS/ *CAPILLARY PERMEABILITY, drug effects/ DEPRESSION, CHEMICAL/ *INDOMETHACIN, pharmacodynamics/ MALE/ PROPRANOLOL, antagonists & inhibitors/ PROSTAGLANDINS, antagonists & inhibitors/ RATS/ SEROTONIN, antagonists & inhibitors

1350. **Gibson CD, Zemjanis R:** A surgical approach for repeated exposure of bovine fetal circulation.
Am J Vet Res 34:981-2, Jul 73
ABORTION, VETERINARY, etiology/ ANIMAL EXPERIMENTS/ BLOOD SPECIMEN COLLECTION, veterinary/ *CATTLE/ CATTLE, immunology/ CATTLE DISEASES, etiology/ DIHYDROSTREPTOMYCIN, administration & dosage/ FEMALE/ FETAL DEATH, etiology/ FETAL DEATH, veterinary/ FETUS, immunology/ *FETUS, surgery/ INJECTIONS, INTRAMUSCULAR/ LAPAROTOMY, veterinary/ METHODS/ POSTOPERATIVE COMPLICATIONS, veterinary/ PREGNANCY/ PROGESTERONE, administration & dosage/ SUTURES/ UTERUS, surgery

1351. **Gigon U, Stamm O, Werder H:** Die Bedeutung der getimten Ovulationsinduktion mittels HCG oder synthetischen LH-RH in der Sterilitätsbehandlung.
Geburtshilfe Frauenheilkd 33:567-75, Jul 73 **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ FERTILIZATION/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INSEMINATION, ARTIFICIAL/ *LH, therapeutic use/ MENSTRUATION/ *OVULATION/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ *STERILITY, FEMALE, drug therapy/ TEMPERATURE/ TIME FACTORS

1352. **Gilby ED, Jeffcoate SL, Edwards R:** 125-Iodine tracers for steroid radioimmunoassay.
J Endocrinol 58:xx, Jul 73
CHLORAMINES/ HISTAMINE/ HUMAN/ *IODINE ISOTOPES/ METHODS/ NORSYNEPHRINE/ *RADIOIMMUNOASSAY/ *STEROIDS, analysis

1353. **Gilday DL, James AE:** Perfusion lung scan patterns in patients with pulmonary embolism, emphysema & pulmonary edema.
CRC Crit Rev Radiol Sci 3:321-61, 1972 (76 ref.)
ALPHA GLOBULIN/ ASTHMA, complications/ CARCINOMA, BRONCHOGENIC, complications/ CHORIOCARCINOMA, complications/ CYSTIC FIBROSIS, complications/ DIAGNOSIS, COMPUTER ASSISTED/ FEMALE/ HEART FAILURE, CONGESTIVE, diagnosis/ HUMAN/ METABOLISM, INBORN ERRORS/ PERFUSION/ POSTURE/ *PULMONARY EDEMA, diagnosis/ *PULMONARY EMBOLISM, diagnosis/ PULMONARY EMBOLISM, etiology/ *PULMONARY EMPHYSEMA, diagnosis/ PULMONARY EMPHYSEMA, etiology/

*RADIOISOTOPE SCANNING/ RADIOISOTOPES/ REVIEW/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ TECHNETIUM, diagnostic use/ TRYPSIN INHIBITORS/ UTERINE NEOPLASMS, complications/ XENON, diagnostic use

1354. **Gillespie E, Lichtenstein LM:** Pharmacologic control of IgE-mediated histamine release from human leukocytes.
Int Arch Allergy Appl Immunol 45:95-7, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ DEUTERIUM, pharmacodynamics/ DRUG INTERACTIONS/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ *IGE/ *LEUKOCYTES, immunology/ VINBLASTINE, pharmacodynamics

1355. **Gillespie JS, Towart R:** Uptake kinetics and ion requirements for extraneuronal uptake of noradrenaline by arterial smooth muscle and collagen.
Br J Pharmacol 47:556-67, Mar 73
ANIMAL EXPERIMENTS/ ARTERIES, metabolism/ CALCIUM, metabolism/ CHOLINE, pharmacodynamics/ COLD/ *COLLAGEN, metabolism/ FEMALE/ FLUORESCENCE/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LITHIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ *MUSCLE, SMOOTH, metabolism/ *NOREPINEPHRINE, metabolism/ OSMOLAR CONCENTRATION/ PERFUSION/ POTASSIUM, metabolism/ PROTEIN BINDING, drug effects/ RABBITS/ SODIUM, metabolism/ SUCROSE, pharmacodynamics/ TIME FACTORS

1356. **Gillette JR, Menard RH, Stripp B:** Active products of fetal drug metabolism.
Clin Pharmacol Ther 14:680-92, Jul-Aug 73
ACETAMINOPHEN, adverse effects/ ANIMAL EXPERIMENTS/ BENZENE DERIVATIVES, metabolism/ CARBON ISOTOPES/ CYTOCHROME P-450, metabolism/ DRUGS, blood/ *DRUGS, metabolism/ ENZYME INDUCTION, drug effects/ ETHERS, CYCLIC, metabolism/ FEMALE/ FETUS, enzymology/ *FETUS, metabolism/ GLUTATHIONE, metabolism/ HUMAN/ KINETICS/ MALE/ MATERNAL-FETAL EXCHANGE/ MICE/ MICROSOMES, LIVER, enzymology/ MODELS, BIOLOGICAL/ NECROSIS, chemically induced/ NITROFURAZONE, pharmacodynamics/ PLACENTA, enzymology/ PREGNANCY/ RABBITS/ SOLUBILITY

1357. **Gilligan BS:** Periodic megaphagia and hypersomnia--an example of the Kleine-Levin syndrome in an adolescent girl. Proc Aust Assoc Neurol 9:67-72, 1973
ADOLESCENCE/ AMPHETAMINE, therapeutic use/ FEMALE/ HUMAN/ *HUNGER/ HYDROCORTISONE, blood/ *MENTAL DISORDERS/ MENTAL DISORDERS, blood/ MENTAL DISORDERS, drug therapy/ *SLEEP DISORDERS/ SLEEP DISORDERS, blood/ SLEEP DISORDERS, drug therapy/ SOMATOTROPIN, blood

1358. **Gilman AG:** Regulation of cyclic AMP metabolism in cultured cells of the nervous system.
Adv Cyclic Nucleotide Res 1:389-410, 1972
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, growth & development/ BRAIN, metabolism/ CARBACHOL, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ CELL DIVISION, drug effects/ CELLS, CULTURED/ DOPAMINE, pharmacodynamics/ FETUS/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MICE/ NEUROBLASTOMA/ *NEUROGLIA, metabolism/ *NEURONS, metabolism/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ SOTALOL, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

1359. **Gilson MD, Knab DR:** Primary amenorrhea: a simpli approach to diagnosis.
Am J Obstet Gynecol 117:400-6, 1 Oct 73
ADRENAL CORTICAL REST TUMOR, diagnosis/ ADULT/ *AMENORRHEA, diagnc ARRHENOBLASTOMA, diagnosis/ BODY CONSTITUTION/ CHEEK/ CYTODIAGNOSI DIAGNOSIS, DIFFERENTIAL/ EUNUCHISM diagnosis/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ HYPOGONADISM, diagnosis/ KARYOTYPIN LEYDIG CELL TUMOR, diagnosis/ MICROSCOPY, FLUORESCENCE/ MOUTH MUCOSA, cytology/ OVARIAN DISEASES, diagnosis/ OVARIAN NEOPLASMS, diagnos OVARY, abnormalities/ SEX CHROMATIN/ SEX CHROMOSOMES/ TURNER'S SYNDRO diagnosis/ TURNER'S SYNDROME, patholo

1360. **Gimlette TM, Hoschl R:** Treatment of thyrotoxic
Lancet 2:619, 15 Sep 73
COMPARATIVE STUDY/ HALF-LIFE/ HUMAN/ *HYPERTHYROIDISM, radiothera *IODINE ISOTOPES, therapeutic use

1361. **Ginsberg-Fellner F, Knittle JL:** Adipose tiss cellularity and metabolism in newly diagno juvenile diabetics. Diabetes 22:528-36, Jul 7
ACIDOSIS, DIABETIC, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHA metabolism/ ADENYL CYCLASE, metabolis ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, metabolism/ *ADIPOSE TISSUE, pathology/ ADOLESCENCE/ BODY HEIGH BODY WEIGHT/ CARBON DIOXIDE, biosynthesis/ CHILD/ CHILD, PRESCHOOL DIABETES MELLITUS, JUVENILE, drug therapy/ DIABETES MELLITUS, JUVENILI metabolism/ *DIABETES MELLITUS, JUVENILE, pathology/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ HUMAN/ INFANT/ INSULIN, therapeutic use/ INSULIN RESISTANCE/ MALE/ *OBESITY IN DIABETES, patholog POTASSIUM, metabolism/ SOMATOTROPIN metabolism

1362. **Ginsborg BL, Hirst GD, Maizels JV, et al:** Specifici adenosine on transmitter output at the neuromuscular junction.
Br J Pharmacol 47:637P, Mar 73
ADENINE, pharmacodynamics/ *ADENOSIN pharmacodynamics/ ADENOSINE CYCLIC MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMEN CALCIUM, metabolism/ CYSTINE, pharmacodynamics/ DIAPHRAGM, metaboli EVOKED POTENTIALS, drug effects/ GUANOSINE, pharmacodynamics/ IN VITR INOSINE, pharmacodynamics/ MAGNESIUM metabolism/ MEMBRANE POTENTIALS, d effects/ MUSCLE CONTRACTION, drug effects/ *NEUROMUSCULAR JUNCTION, effects/ NEUROMUSCULAR JUNCTION, metabolism/ RATS/ URIDINE, pharmacodynamics

1363. **Ginsburg DS, Kaplan EL, Katz AI:** Hypercalca after oral calcium-carbonate therapy in patien chronic haemodialysis. Lancet 1:1271-4, 9 Ju
ADMINISTRATION, ORAL/ ADULT/ ALKALINE PHOSPHATASE, blood/ CALC blood/ CALCIUM, metabolism/ CALCIUM CARBONATE, administration & dosage/ *CALCIUM CARBONATE, adverse effects/ CONJUNCTIVA/ EYE DISEASES, chemical induced/ *HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCE chemically induced/ HYPERCALCEMIA, enzymology/ INTESTINAL ABSORPTION/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ PARATHYROID HORMONE, blood TIME FACTORS

1364. **Giordano G:** Aspetti della regolazione della secre dell'ormone somatotropo.
Arch E Maragliano Patol Clin 28:1-43, Jan-Jun 72
ENGLISH ABSTRACT/ HUMAN/

HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *PITUITARY HORMONE RELEASING FACTORS/ *SOMATOTROPIN, secretion

Giordano G, Marugo M, Minuto F, et al: Significato della somatotropinemia basale nell'uomo in condizioni normali e patologiche.
Arch E Maragliano Patol Clin 28:73-99, Jan-Jun 72 (Ita)
ACROMEGALY, blood/ ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, blood/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, blood/ DIABETES MELLITUS, JUVENILE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOGONADISM, blood/ HYPOPITUITARISM, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, secretion/ *SOMATOTROPIN, blood

Giorgi EP, Shirley IM, Grant JK, et al: Androgen dynamics in vitro in the human prostate gland. Effect of cyproterone and cyproterone acetate.
Biochem J 132:465-74, Mar 73
ACETIC ACIDS, pharmacodynamics/ AGED/ *ANDROGENS, antagonists & inhibitors/ ANDROSTENEDIONE, metabolism/ BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ CYPROTERONE, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ *PREGNADIENES, pharmacodynamics/ PROSTATE, drug effects/ *PROSTATE, metabolism/ PROSTATIC HYPERTROPHY, metabolism/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

raud F, Mattei MG, Hartung M, et al: Chromosome Y ong (Yq+) et anomalies du phénotype. Etude en luorescence. Pediatrie 28:171-83, Mar 73 (Fre)
ADOLESCENCE/ CHILD/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ PEDIGREE/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES

rgis GR, Nicholls DM: Hypophysectomy and growth ormone alter the aminoacyl-tRNA binding activity of enal cortical supernatant.
ndocrinology 93:436-44, Aug 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ HYPOPHYSECTOMY/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, enzymology/ KIDNEY CORTEX, metabolism/ LIVER, drug effects/ LIVER, enzymology/ LIVER, metabolism/ MALE/ PEPTIDE ELONGATION FACTORS, isolation & purification/ *PITUITARY GLAND, physiology/ PROTEIN BINDING/ RATS/ RIBONUCLEASE, analysis/ RIBOSOMES, metabolism/ *RNA, TRANSFER, metabolism/ *SOMATOTROPIN, pharmacodynamics

n DJ, Allen PT, Pindak FF, et al: Further studies on e influence of steroids on viral infection in mice.
fect Immun 8:151-5, Aug 73
ANIMAL EXPERIMENTS/ ARBOVIRUS, mmunology/ ENCEPHALOMYOCARDITIS VIRUSES, immunology/ ESTRONE, harmacodynamics/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MICE/ PLAQUE ASSAY/ PREDNISOLONE, harmacodynamics/ PROGESTERONE, harmacodynamics/ TESTOSTERONE, harmacodynamics/ *VIRUS DISEASES/ VIRUS EPLICATION, drug effects

er ML, Dvornik D: Inhibition of testosterone ynthesis by medrogestone.
erientia 28:1105-6, 15 Sep 72
NIMAL EXPERIMENTS/ EHYDROEPIANDROSTERONE, metabolism/ STRADIOL, biosynthesis/ YPOPHYSECTOMY/ IN VITRO/ MALE/ EDROGESTONE, pharmacodynamics/ ORGAN EIGHT/ *PREGNADIENES, armacodynamics/ *PROGESTATIONAL ORMONES, pharmacodynamics/ PROSTATE, atomy & histology/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, anatomy & histology/ SEMINAL VESICLES, drug effects/ *TESTIS, drug effects/ TESTIS, metabolism/ *TESTOSTERONE, biosynthesis

1371. **Glaser CB, Bewley TA, Li CH:** Reaction of bovine and ovine pituitary growth hormones with tetranitromethane.
Biochemistry 12:3379-87, 28 Aug 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ CATTLE/ CYANOGEN BROMIDE/ GEL DIFFUSION TESTS/ KINETICS/ *METHANE/ NITRO COMPOUNDS/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ RABBITS/ RABBITS, immunology/ SHEEP/ *SOMATOTROPIN/ SOMATOTROPIN, analysis/ SOMATOTROPIN, pharmacodynamics/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ TEMPERATURE/ TRYPSIN/ TYROSINE, analysis

1372. **Glass L, Rajegowda BK, Mukherjee TK, et al:** Effect of heroin on corticosteroid production in pregnant addicts and their fetuses.
Am J Obstet Gynecol 117:416-8, 1 Oct 73
ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL CORTEX HORMONES, blood/ BIRTH WEIGHT/ BLOOD/ DELIVERY/ DIACETYLMORPHINE, administration & dosage/ *DIACETYLMORPHINE, pharmacodynamics/ *DRUG ADDICTION/ FEMALE/ *FETUS, drug effects/ GESTATIONAL AGE/ HEROIN ADDICTION/ HUMAN/ INFANT, NEWBORN/ LABOR/ METHADONE, pharmacodynamics/ PREGNANCY/ TIME FACTORS/ TWINS/ UMBILICAL CORD

1373. **Glass RD, Knox WE:** Arginase isozymes of rat mammary gland, liver, and other tissues.
J Biol Chem 248:5785-9, 25 Aug 73
ANIMAL EXPERIMENTS/ *ARGINASE, isolation & purification/ CARCINOMA, enzymology/ DRUG STABILITY/ ENZYME ACTIVATION/ FEMALE/ HEAT/ HEPATOMA, enzymology/ INTESTINE, SMALL, enzymology/ ISOENZYMES, isolation & purification/ KIDNEY, enzymology/ KIDNEY NEOPLASMS, enzymology/ KINETICS/ LACTATION/ LIVER, enzymology/ LIVER NEOPLASMS, enzymology/ *MAMMAE, enzymology/ MANGANESE/ MOLECULAR WEIGHT/ NEOPLASMS, EXPERIMENTAL, enzymology/ ORGAN SPECIFICITY/ PRECIPITIN TESTS/ PREGNANCY/ RABBITS, immunology/ RATS

1374. **Glaubitt D:** Klinische Untersuchungen des Kohlenhydrat- und Eiweissstoffwechsels mit Hilfe von C14O2-Ausatmungsmessungen.
Radiobiol Radiother (Berl) 14:273-9, 1973 (Ger)
ADRENALECTOMY/ *CARBOHYDRATES, metabolism/ CARBON DIOXIDE/ CARBON ISOTOPES/ ENGLISH ABSTRACT/ GLUCOSE, metabolism/ HUMAN/ METHIONINE, metabolism/ METHODS/ *PROTEINS, metabolism/ *RESPIRATION/ TRYPTOPHAN, metabolism/ VALINE, metabolism

1375. **Glencross RG, Munro IB, Senior BE, et al:** Concentrations of oestradiol-17 beta, oestrone and progesterone in jugular venous plasma of cows during the oestrous cycle and in early pregnancy.
Acta Endocrinol (Kbh) 73:374-84, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ ESTRADIOL, physiology/ *ESTRONE, blood/ ESTRONE, physiology/ *ESTRUS/ FEMALE/ METHODS/ OVULATION/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RADIOIMMUNOASSAY/ TRITIUM

1376. **Gless KH, Hanka-Posztoczky M, Vecsei P:** In vivo "radioimmunoassay" of aldosterone in rats.
Acta Endocrinol [Suppl] (Kbh) 173:156, 1973
ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/

*ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOTROPIN, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ METHODS/ RADIOIMMUNOASSAY/ RADIOISOTOPE DILUTION TECHNIC/ RATS/ SHEEP, immunology/ TRITIUM

1377. **Glorieux FH, Holick MF, Scriver CR, et al:** X-linked hypophosphataemic rickets: Inadequate therapeutic response to 1,25-dihydroxycholecalciferol.
Lancet 2:287-9, 11 Aug 73
ADMINISTRATION, ORAL/ CHILD/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ KIDNEY, physiopathology/ MALE/ PHOSPHATES, blood/ *RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, etiology/ RICKETS, VITAMIN D RESISTANT, metabolism/ *SEX CHROMOSOMES/ VITAMIN D, metabolism

1378. **Gloskowska-Moraczewska Z, Sitarska E:** Obraz zrwi białego szczura w czasie cyklu płciowego.
Acta Haematol Pol 4:117-21, Apr-Jun 73 **(Pol)**
ANIMAL EXPERIMENTS/ *BLOOD CELL COUNT/ ENGLISH ABSTRACT/ EOSINOPHILS/ ERYTHROCYTE COUNT/ *ESTRUS/ FEMALE/ *HEMATOCRIT/ *HEMOGLOBIN/ LEUKOCYTE COUNT/ LYMPHOCYTES/ NEUTROPHILS/ RATS/ RETICULOCYTES/ SEX FACTORS/ VAGINAL SMEARS

1379. **Glover G, Wang CC, Shaw E:** Aromatic esters which inhibit plasmin or thrombin by formation of relatively stable acyl enzymes. J Med Chem 16:262-6, Mar 73
ACYLATION/ *BENZOATES, chem synthesis/ BENZOATES, pharmacodynamics/ BLOOD COAGULATION, drug effects/ CATTLE/ *FIBRINOLYSIN, antagonists & inhibitors/ FIBRINOLYSIN, metabolism/ HUMAN/ NITROBENZENES, chem synthesis/ NITROBENZENES, pharmacodynamics/ *PEPTIDE PEPTIDOHYDROLASES, biosynthesis/ PROTEIN BINDING, drug effects/ PYRIDINIUM COMPOUNDS, chem synthesis/ PYRIDINIUM COMPOUNDS, pharmacodynamics/ SERINE/ THIOUREA, chem synthesis/ THIOUREA, pharmacodynamics/ *THROMBIN, antagonists & inhibitors/ THROMBIN, metabolism

1380. **Godál A, Waltzer I:** Long-term results of breast cancer treatment during 1959-1966. Neoplasma 20:443-55, 1973
ADENOCARCINOMA, pathology/ ADULT/ AGED/ BREAST, pathology/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ CARCINOMA, pathology/ CARCINOMA, SCIRRHOUS, pathology/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MASTECTOMY/ MENOPAUSE/ MIDDLE AGE/ OVARY, surgery/ TIME FACTORS

1381. **Goddon LONGIN B, Mamelle JC, Gilly R, et al:** Association de diabète sucré, polyurodipsie et troubles sensoriels. A propos de deux observations, dont l'une à caractère familial.
Pediatrie 28:429-45, Jun 73 **(Fre)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *DEAFNESS, complications/ *DIABETES INSIPIDUS, complications/ *DIABETES MELLITUS, JUVENILE, complications/ FEMALE/ HUMAN/ INFANT/ MALE/ *OPTIC ATROPHY, complications/ PEDIGREE/ PROGNOSIS

1382. **Godeau P, Herreman G, Saltiel H, et al:** Hyperthyroïdie--purpura thrombopénique--vitiligo.
Ann Med Interne (Paris) 124:327-31, Apr 73 **(Fre)**
ADULT/ AGED/ ANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ COOMBS' TEST/ FEMALE/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, immunology/ HYPERTHYROIDISM, radiotherapy/ IODIN blood/ IODINE ISOTOPES, therapeutic use PREDNISONE, therapeutic use/ *PURPUR THROMBOPENIC, complications/ PURPUR THROMBOPENIC, drug therapy/ PURPUR THROMBOPENIC, immunology/ *VITILIGO complications/ VITILIGO, immunology

1383. **Goding JR, Buckmaster JM, Cerini JC, et**
Gonadotrophins in the ovine oestrous cycl
J Reprod Fertil [Suppl] 18:31-7, Jul 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ FSH, blood/ *GONADOTROPINS physiology/ LH, blood/ LH, secretion/ OVULATION/ PROLACTIN, secretion/ PROSTAGLANDINS, blood/ *SHEEP, physiology

1384. **Goebel R, Kuss E:** Radioimmunologic determinat plasma estriol in pregnancy with anti-estr conjugate-antiserum.
Acta Endocrinol [Suppl] (Kbh) 173:109, 1
*ESTRIOL, blood/ ESTROGENS, urine/ FEMALE/ HUMAN/ *IMMUNE SERUMS/ METHODS/ *PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY

1385. **Goetze T, Oswald B, Lampe M, et al:** Auswirk experimenteller Immunschädigung von Plazent Eihäuten der Wistarratte auf die Entwicklun Rattenfeten und Neugeborenen. Aktivität lysosomaler Enzyme (saure Proteasen und beta-Glukuronidase.
Acta Biol Med Ger 30:241-51, 1973
AMNIOTIC FLUID, enzymology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, enzymology/ FETAL DEATH, immunology/ *FETAL MEMBRANES, enzymology/ FETAL MEMBRANES, immunology/ *FETUS, enzymology/ FETUS, immunology/ GESTATIONAL AGE/ GLUCURONIDASE, blood/ *GLUCURONIDASE, metabolism/ IMMUNE SERUMS/ LIVER, enzymology/ MATERNAL-FETAL EXCHANGE/ PEPTII HYDROLASES, blood/ *PEPTIDE HYDROLASES, metabolism/ *PLACENTA, enzymology/ PLACENTA, immunology/ PREGNANCY/ PROTEINS/ RABBITS, immunology/ RATS

1386. **Goisis M, Oppo GT:** Indagini cliniche su un estrogen non steroideo: il tetraidroderivat mu-lattone dell'acido 6(6-10 diidrossiundec beta-resorcilico.
Minerva Ginecol 25:332-59, Jun 73
ADULT/ AGED/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LACTONES, therapeutic use/ MENOPAU *METRORRHAGIA, drug therapy/ MIDDL AGE/ *RESORCINOL, therapeutic use/ *UTERINE PROLAPSE, drug therapy/ *VAGINITIS, drug therapy

1387. **Gold LW, Massry SG, Arieff AI, et al:** Renal bicar wasting during phosphate depletion. A possibl of altered acid-base homeostasis in hyperparathyroidism. J Clin Invest 52:2556-61,
ACID-BASE EQUILIBRIUM/ ANIMAL EXPERIMENTS/ BICARBONATES, blood *BICARBONATES, metabolism/ BICARBONATES, urine/ CARBON DIOX blood/ CREATININE, metabolism/ DOGS FEMALE/ HOMEOSTASIS/ HYDROGEN-I CONCENTRATION/ *HYPERPARATHYROIDISM, physiopatho KIDNEY, physiopathology/ *PHOSPHATE pharmacodynamics/ PHOSPHORUS, blood POTASSIUM, blood

1388. **Goldberg AL:** Mechanisms of growth and atr skeletal muscle. Muscle Biol 1:89-118, 1972 (
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ATROPHY, physiopatho CELL DIVISION/ EXERTION/ FOOD DEPRIVATION/ HYPERTROPHY, physiopathology/ IN VITRO/ INSULIN,

physiology/ MUSCLE DENERVATION/ MUSCLE PROTEINS, biosynthesis/ MUSCLE PROTEINS, metabolism/ MUSCLES, growth & development/ MUSCLES, metabolism/ *MUSCLES, physiology/ ORGAN WEIGHT/ OROTIC ACID, metabolism/ PITUITARY HORMONES, physiology/ RATS/ REVIEW/ RNA, metabolism/ SOMATOTROPIN, physiology

Goldberg RB, Betz TW: The developmental endocrinology of the spleen in chicken embryos. II. The pars distalis and splenomegaly. J Embryol Exp Morphol 29:245-51, Feb 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ FEMALE/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, transplantation/ *PITUITARY HORMONES, pharmacodynamics/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ SEX FACTORS/ SPLEEN/ SPLEEN, anatomy & histology/ SPLEEN, drug effects/ *SPLEEN, embryology/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

Golden AS: Umbilical cord--placental separation: a complication of IUD failure. J Reprod Med 11:79-80, Aug 73
ADULT/ FEMALE/ HEMORRHAGE, POSTPARTUM, etiology/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ *LABOR COMPLICATIONS, etiology/ *PLACENTA DISORDERS, etiology/ PREGNANCY/ *UMBILICAL CORD, injuries

Goldenberg MM, Burns RH: Effectiveness of a unique antispasmodic 3,4-dihydro-5-phenoxybenzo (b) (1,7)naphthyridin-1(2H)-one eu-1086, in vivo and in vitro. Arch Int Pharmacodyn Ther 203:55-66, May 73
ACETYLCHOLINE, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ GASTROINTESTINAL MOTILITY, drug effects/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ INTESTINE, LARGE, drug effects/ MALE/ MICE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NAPHTHYRIDINES, administration & dosage/ *NAPHTHYRIDINES, pharmacodynamics/ PARASYMPATHOLYTICS, administration & dosage/ *PARASYMPATHOLYTICS, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics

Goldfine ID, Kahn CR, Neville DM Jr, et al: Decreased binding of insulin to its receptors in rats with hormone induced insulin resistance. Biochem Biophys Res Commun 53:852-7, 6 Aug 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CELL MEMBRANE, metabolism/ CORTICOSTERONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GLUCAGON, metabolism/ INSULIN, blood/ *INSULIN, metabolism/ INSULIN, pharmacodynamics/ *INSULIN RESISTANCE/ IODINE ISOTOPES/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ PITUITARY NEOPLASMS, blood/ *PITUITARY NEOPLASMS, metabolism/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ SOMATOTROPIN, blood/ TIME FACTORS

Goldman L: A guide to topical corticosteroids. Hosp Fam Physician 8:167-70, Sep 73
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *DERMATOLOGIC AGENTS/ FEMALE/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ METHODS/ OCCLUSIVE DRESSINGS/ OINTMENTS/ SKIN ABSORPTION/ SKIN DISEASES, drug therapy/ VEHICLES

Goldman L, Winget C, Hollingshead GW, et al: Postweaning development of negative feedback in the pituitary-adrenal system of the rat. Neuroendocrinology 12:199-211, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CHOLESTEROL, pharmacodynamics/ CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DEXAMETHASONE, pharmacodynamics/ ELECTRIC STIMULATION/ ETHYL ETHER/ *FEEDBACK/ HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ MALE/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ *STRESS

1395. **Goldner LJ:** Exercise for the aging. South Med J 66:857-8, Aug 73
AGED/ *AGED/ BACKACHE, prevention & control/ BURSITIS, prevention & control/ CALCIUM, metabolism/ EXERTION/ *EXERTION/ FEMALE/ GYMNASTICS/ HUMAN/ INTERVERTEBRAL DISK/ MALE/ MIDDLE AGE/ MUSCLE TONUS/ MUSCLES, physiopathology/ POSTURE/ STRESS, PSYCHOLOGICAL/ TENDINITIS, prevention & control

1396. **Goldsmith RE:** Hypercalcemia and myeloma. Ann Intern Med 79:289, Aug 73
CALCIUM, metabolism/ HUMAN/ *HYPERCALCEMIA, metabolism/ *MYELOMA PROTEINS, metabolism/ *PROTEIN BINDING

1397. **Goldsmith RE, McAdams AJ, Larsen PR, et al:** Familial autoimmune thyroiditis: maternal-fetal relationship and the role of generalized autoimmunity. J Clin Endocrinol Metab 37:265-75, Aug 73
ADULT/ ANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, familial & genetic/ AUTOIMMUNE DISEASES, immunology/ AUTOIMMUNE DISEASES, pathology/ BLOOD PROTEIN ELECTROPHORESIS/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PEDIGREE/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS/ *THYROIDITIS, LYMPHOMATOUS, familial & genetic/ THYROIDITIS, LYMPHOMATOUS, immunology/ THYROIDITIS, LYMPHOMATOUS, pathology/ THYROTROPIN, blood/ THYROXINE, blood

1398. **Goldstein DB:** Alcohol withdrawal reactions in mice: effects of drugs that modify neurotransmission. J Pharmacol Exp Ther 186:1-9, Jul 73
ACETIC ACIDS, pharmacodynamics/ *ALCOHOL, ETHYL/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ ATROPINE, therapeutic use/ *DRUG WITHDRAWAL SYMPTOMS, drug therapy/ HYDROXYTRYPTOPHAN, therapeutic use/ MALE/ METHYLTYROSINES, therapeutic use/ MICE/ *NEUROHUMORS, therapeutic use/ NIALAMIDE, therapeutic use/ PHENTOLAMINE, therapeutic use/ PHYSOSTIGMINE, therapeutic use/ PICROTOXIN, therapeutic use/ PROPRANOLOL, therapeutic use/ PYRAZOLES, therapeutic use/ RESERPINE, therapeutic use/ SEROTONIN, therapeutic use/ TIME FACTORS/ TRYPTOPHAN, therapeutic use

1399. **Goldstein JL, Hasty MA:** Phosvitin kinase from the liver of the rooster. Purification and partial characterization. J Biol Chem 248:6300-7, 25 Sep 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ COBALT, pharmacodynamics/ EGG PROTEINS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ ESTRADIOL, pharmacodynamics/ GEL FILTRATION/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LIVER,

enzymology/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ MOLECULAR WEIGHT/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, isolation & purification/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ RIBONUCLEOSIDES, pharmacodynamics/ TIME FACTORS

1400. **Goldstein M, Anagnoste B, Shirron C:** The effect of trivastal, haloperidol and dibutyryl cyclic AMP on (14C)dopamine synthesis in rat striatum.
J Pharm Pharmacol 25:348-51, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DEPRESSION, CHEMICAL/ DIOXOLES, pharmacodynamics/ *DOPAMINE, biosynthesis/ *GANGLIA, BASAL, metabolism/ *HALOPERIDOL, pharmacodynamics/ MALE/ *PIPERAZINES, pharmacodynamics/ PYRIMIDINES, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ STIMULATION, CHEMICAL/ TYROSINE, metabolism

1401. **Golikov AP, Bobkov AI:** Gliukocortikoidnaia funktsiia nadpochechnikov pri terminal'nykh sostoianiiakh u bol'nykhinfarktom miokarda.
Kardiologiia 13:15-20, May 73 (Rus)
ACUTE DISEASE/ *ADRENAL GLANDS, secretion/ AGED/ CREATINE KINASE, blood/ *DEATH/ ENGLISH ABSTRACT/ FLUORESCENCE SPECTROMETRY/ *GLUCOCORTICOIDS, secretion/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ LACTATE DEHYDROGENASE, blood/ LACTATE DEHYDROGENASE ISOENZYMES, blood/ MIDDLE AGE/ *MYOCARDIAL INFARCT, physiopathology/ PENTOSES, blood/ TIME FACTORS/ TRANSCORTIN, analysis

1402. **Golter TD, Reeves JJ, O'Mary CC, et al:** Serum LH levels in bulls treated with synthetic luteinizing hormone-releasing hormone-follicle stimulating hormone-releasing hormone (LH-RH-FSH-RH).
J Anim Sci 37:123-7, Jul 73
ACETIC ACIDS, administration & dosage/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *FSH/ GOATS, immunology/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ LH/ *LH, blood/ MALE/ METHODS/ METHYLCELLULOSE, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SILICONE ELASTOMERS, administration & dosage

1403. **Gomarasca P, D'Atri G:** Influenza di una particolare preparazione biologica verso l'azione della serotonina sulla portata circolatoria del treno posteriore di ratto.
Boll Chim Farm 112:246-58, Apr 73 (Ita)
ANIMAL EXPERIMENTS/ *BLOOD CIRCULATION, drug effects/ DRUG ANTAGONISM/ FEMALE/ HEADACHE, drug therapy/ MUSCLE, SMOOTH, drug effects/ *NERVE TISSUE PROTEINS, pharmacodynamics/ NERVE TISSUE PROTEINS, therapeutic use/ RATS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics

1404. **Gomes WR, Hall RW, Jain SK, et al:** Serum gonadotropin and testosterone levels during loss and recovery of spermatogenesis in rats.
Endocrinology 93:800-9, Oct 73
ANIMAL EXPERIMENTS/ BUSULFAN, pharmacodynamics/ ETHYLENEDIAMINES, pharmacodynamics/ *FSH, blood/ IODINE ISOTOPES/ *LH, blood/ MALE/ ORGAN WEIGHT/ RATS/ SEMINAL VESICLES, drug effects/ *SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

1405. **Gomez EC, Frost P:** Testosterone metabolism androgenic effect.
Adv Biol Skin 12:367-79, 1972 (38 ref.)
ACNE, enzymology/ *ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CE NUCLEUS, enzymology/ FEMALE/ HAMSTERS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, metaboli HYDROXYSTEROID DEHYDROGENASE, metabolism/ LIVER, cytology/ LIVER, metabolism/ MALE/ MOLECULAR WEIGH OXIDATION-REDUCTION/ OXIDOREDUCTASES, metabolism/ PROST/ cytology/ PROSTATE, metabolism/ RATS/ REVIEW/ SKIN, enzymology/ SKIN, metabolism/ STANOLONE, metabolism/ TESTICULAR FEMINIZATION, metabolism TESTOSTERONE, biosynthesis/ *TESTOSTERONE, metabolism/ TRITIUM

1406. **Gómez Vargas E, Manuel Malacara J:** Acrome hiperfunción cortico-suprarrenal y galactorr (presentación de un caso.
Rev Invest Clin 25:181-7, Apr-Jun 73
*ACROMEGALY, complications/ *ADRENA GLAND HYPERFUNCTION, complications/ ADULT/ DIABETES MELLITUS, complicat ENGLISH ABSTRACT/ FEMALE/ FSH, bl HUMAN/ HYDROCORTISONE, blood/ *LACTATION DISORDERS, complications/ blood/ PREGNANCY

1407. **Goncharova DN:** Biosintez gliuko- i mineralokortikoidov v nadpochechnikakh pr eksperimental'nom infarkte miokarda.
Kardiologiia 13:41-4, 1973
*ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CORONARY VESSELS, surgery/ CORTICOSTERONE, biosynthesis, CORTISONE, biosynthesis/ DESOXYCORTICOSTERONE, biosynthesis/ DOGS/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, biosynthesis/ HYDROCORTISONE, biosynthesis/ *MINERALOCORTICOIDS, biosynthesis/ *MYOCARDIAL INFARCT, metabolism/ T FACTORS

1408. **Gönczi J, Szemere P, Bódi S, et al:** Extramed plasmocytoma. Haematologia (Budap) 7:61-8,
ADULT/ AGED/ FRACTURES, etiology/ HUMAN/ *LYMPH NODES, pathology/ M *MAXILLARY SINUS, pathology/ MELPHALAN, therapeutic use/ MIDDLE OSTEOPOROSIS, complications/ *PLASMACYTOMA, pathology/ PLASMACYTOMA, therapy/ PREDNISOLO therapeutic use/ RADIOTHERAPY

1409. **Gonda N:** [Systemic and local effects of corticost on the experimental intradermal pneumoc infections in rabbits]
J Jap Assoc Infect Dis 47:181-94, Jun 73
ANIMAL EXPERIMENTS/ BLOOD PROTI analysis/ BODY WEIGHT, drug effects/ ENGLISH ABSTRACT/ *GLUCOCORTICOI administration & dosage/ GLUCOCORTIC adverse effects/ MALE/ *PNEUMOCOCC/ INFECTIONS/ RABBITS

1410. **Gonda N, Fujii T, Fujimori I, et al:** [Clinic immunological studies of 15 cases of ch rheumatoid arthritis associated with goite
Ryumachi 13:183-92, Apr 73
ADULT/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOI immunology/ ENGLISH ABSTRACT/ FE *GOITER, complications/ GOITER, immunology/ HUMAN/ MALE/ MIDDLE

1411. **Gondos B, Hobel CJ:** Interstitial cells in the huma ovary. Endocrinology 93:736-9, Sep 73
CELL COUNT/ ENDOPLASMIC RETICUI FEMALE/ FETUS/ GOLGI APPARATUS/ HUMAN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *OVARY, cytology

1412. **Gong SN, Rogers KJ:** Role of brain monoamine

fatal hyperthermia induced by pethidine or imipramine in rabbits pretreated with a monoamine oxidase inhibitor. Br J Pharmacol 48:12-8, May 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ *BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ DOPAMINE, metabolism/ *HYPERNATREMIA, chemically induced/ *IMIPRAMINE/ MALE/ *MEPERIDINE/ METHYLTYROSINES, pharmacodynamics/ *MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ TIME FACTORS

González-Bárcena D, Gómez-Leal A, Ocampo-Campos R: Tratamiento con metronidazol del exoftalmos endocrino.
Arch Invest Med (Mex) 4:69-74, 1973 (Spa)
ENGLISH ABSTRACT/ EVALUATION STUDIES/ *EXOPHTHALMOS, drug therapy/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ METRONIDAZOLE, administration & dosage/ *METRONIDAZOLE, therapeutic use/ *THYROID GLAND, drug effects

onzalez-Cortes A, Bessudo D, Sanchez-Leyva R, et al: Water-borne transmission of chloramphenicol-resistant Salmonella typhi in Mexico. Lancet 2:605-7, 15 Sep 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ *CHLORAMPHENICOL, pharmacodynamics/ *DISEASE OUTBREAKS, occurrence/ DRUG RESISTANCE, MICROBIAL/ FEMALE/ HUMAN/ INFANT/ MALE/ MEXICO/ MIDDLE AGE/ RURAL POPULATION/ *SALMONELLA TYPHOSA, drug effects/ SALMONELLA TYPHOSA, isolation & purification/ SEASONS/ SEWAGE/ SEX FACTORS/ SOCIOECONOMIC FACTORS/ THYROID GLAND, etiology/ *TYPHOID, occurrence/ WATER MICROBIOLOGY/ *WATER SUPPLY

od RA: Immunodeficiency in developmental erspective. Harvey Lect 67:1-107, 1973 (286 ref.)
ALDRICH SYNDROME, immunology/ ANIMAL EXPERIMENTS/ APPENDIX, immunology/ ATAXIA TELANGIECTASIA, immunology/ AUTOIMMUNE DISEASES, immunology/ BONE MARROW, immunology/ HISTOCOMPATIBILITY/ HUMAN/ IATROGENIC DISEASE/ IMMUNOGLOBULINS/ *IMMUNOLOGIC DEFICIENCY SYNDROMES/ IMMUNOLOGIC DEFICIENCY SYNDROMES, therapy/ LYMPH NODE EXCISION/ LYMPH NODES, immunology/ LYMPHOID TISSUE, abnormalities/ NEOPLASMS, immunology/ NEOPLASMS, prevention & control/ PARATHYROID GLANDS, abnormalities/ REVIEW/ SYNDROME/ THYMECTOMY/ THYMUS GLAND, abnormalities/ THYMUS GLAND, immunology/ TONSIL, immunology

d W, Macdonald HN, Hancock KW, et al: ematological changes in pregnancy following ilation-induction therapy.
bstet Gynaecol Br Commonw 80:486-90, Jun 73
ADULT/ ERYTHROCYTE COUNT/ FEMALE/ ONADOTROPINS, pharmacodynamics/ GONADOTROPINS, therapeutic use/ EMATOCRIT/ HEMOGLOBIN, analysis/ UMAN/ LEUKOCYTE COUNT/ OSMOTIC RAGILITY/ *OVULATION, drug effects/ PREGNANCY/ PUERPERIUM/ *STERILITY, EMALE, drug therapy/ TIME FACTORS

ner CJ, Ogilvie JT, Koerker DT: The metabolism of erol by hypothalamic and pituitary tissues in vitro he rat. Proc Soc Exp Biol Med 143:616-22, Jul 73
DIPOSE TISSUE, metabolism/ ANIMAL XPERIMENTS/ CARBON DIOXIDE, etabolism/ CARBON ISOTOPES/ CEREBRAL ORTEX, metabolism/ DIAPHRAGM, etabolism/ FEMALE/ *GLYCERIN, etabolism/ *HYPOTHALAMUS, metabolism/ VITRO/ KIDNEY, metabolism/ LIPIDS, osynthesis/ LIVER, metabolism/ PHOSPHOTRANSFERASES, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ TEMPERATURE

1418. Gorden P, Gavin JR 3d, Kahn CR, et al: Application of radioreceptor assay to circulating insulin, growth hormone, and to their tissue receptors in animals and man. Pharmacol Rev 25:179-87, Jun 73 (39 ref.)
ANIMAL EXPERIMENTS/ ANTIGENS/ CARTILAGE, metabolism/ CATTLE/ DISEASE MODELS, ANIMAL/ DRUG RESISTANCE/ GEL FILTRATION/ HUMAN/ *INSULIN, blood/ INSULIN, metabolism/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ LYMPHOCYTES, metabolism/ OBESITY/ PANCREAS/ PROINSULIN/ PROLACTIN, metabolism/ *RADIOIMMUNOASSAY/ *RECEPTORS, DRUG/ REVIEW/ *SOMATOTROPIN, blood/ SULFATES, metabolism/ SULFUR ISOTOPES

1419. Gordon A: [T3--thyrotoxicosis]
Harefuah 84:616-7, 1 Jun 73 (Heb)
HUMAN/ *HYPERTHYROIDISM, metabolism/ *TRIIODOTHYRONINE, metabolism

1420. Gordon J: Oral contraceptives: risks and benefits.
N Engl J Med 289:809, 11 Oct 73
CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CONTRACEPTION/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ PREGNANCY

1421. Gordon JL: Platelet aggregation in whole blood: measurement in vitro by a semi-micro method.
J Pathol 109:pi, Jan 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD CELL COUNT/ CONNECTIVE TISSUE/ HUMAN/ IN VITRO/ METHODS/ *PLATELET ADHESIVENESS/ PLATELET ADHESIVENESS, drug effects/ SEROTONIN, pharmacodynamics

1422. Gordon RD, Symonds EM, Wilmshurst EG, et al: Plasma renin activity, plasma angiotensin and plasma and urinary electrolytes in normal and toxaemic pregnancy, including a prospective study.
Clin Sci 45:115-27, Jul 73
*ANGIOTENSIN, blood/ CREATININE, urine/ DIET/ FEMALE/ HUMAN/ *POTASSIUM, blood/ POTASSIUM, urine/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/ PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TOXEMIAS, urine/ PROSPECTIVE STUDIES/ RADIOIMMUNOASSAY/ *RENIN, blood/ *SODIUM, blood/ SODIUM, metabolism/ SODIUM, urine/ TIME FACTORS

1423. Gordon-Smith EC, Kiley N, Lewis SM: Aplastic anaemia-classification and management.
Br J Haematol 25:277-8, Aug 73
ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, classification/ ANEMIA, APLASTIC, diagnosis/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, mortality/ HUMAN/ TIME FACTORS

1424. Gore IY: Physical activity and ageing--a survey of Soviet literature. II. The effect of exercise on the various systems of the organism.
Gerontol Clin (Basel) 14:70-7, 1972 (34 ref.)
ADOLESCENCE/ *ADRENAL GLANDS, metabolism/ ADULT/ AGED/ *AGING/ ANIMAL EXPERIMENTS/ *BLOOD/ *CARBOHYDRATES, metabolism/ *CARDIOVASCULAR SYSTEM, physiology/ *CENTRAL NERVOUS SYSTEM, physiology/ ELECTROENCEPHALOGRAPHY/ *EXERTION/ HEART FUNCTION TESTS/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ RESPIRATORY FUNCTION TESTS/ *RESPIRATORY SYSTEM, physiology/ REVIEW

1425. Gorfinkel HJ, O'Driscoll RG: Control of paroxysmal ventricular tachycardia with oral contraceptives.
Chest 64:279-80, Aug 73
*CONTRACEPTIVES, ORAL, therapeutic use/

ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ MENSTRUATION/ *MESTRANOL, therapeutic use/ MIDDLE AGE/ *NORETHINDRONE, therapeutic use/ *TACHYCARDIA, PAROXYSMAL, drug therapy

1426. **Goridis C, Morgan IG:** Guanyl cyclase in rat brain subcellular fractions. FEBS Lett 34:71-3, 1 Aug 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, enzymology/ CELL FRACTIONATION/ *GUANYL CYCLASE, analysis/ LACTATE DEHYDROGENASE, analysis/ MEMBRANES, enzymology/ MICROSOMES, enzymology/ OSMOLAR CONCENTRATION/ PHOSPHORUS ISOTOPES/ RATS/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, enzymology/ SYNAPTIC VESICLES, enzymology/ SYNAPTOSOMES, enzymology/ TRITIUM/ ULTRAFILTRATION

1427. **Gorins A, Thevenet M, Netter A:** Une observation de gynécomastie transitoire avec hyperoestrogénie d'origine testiculaire non tumorale. Ann Endocrinol (Paris) 34:48-56, Jan-Feb 73 (Fre)
ADULT/ CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ *ESTROGENS, urine/ GONADOTROPINS, CHORIONIC, diagnostic use/ *GYNECOMASTIA, etiology/ HUMAN/ MALE/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ RADIOIMMUNOASSAY/ *TESTICULAR DISEASES, complications/ TESTIS, pathology/ TESTIS, surgery/ VARICOCELE, surgery

1428. **Gorkin VZ, Neyfakh EA, Romanova LA, et al:** Normalization by nucleotides of impairments in deamination of nitrogenous compounds in liver of tumor-bearing mice. Experientia 29:22-3, 1 May 73
ADENOSINE MONOPHOSPHATE, metabolism/ *ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, therapeutic use/ AMINES, metabolism/ ANIMAL EXPERIMENTS/ CARCINOMA, EHRLICH TUMOR, drug therapy/ *CARCINOMA, EHRLICH TUMOR, metabolism/ CARCINOMA, EHRLICH TUMOR, mortality/ DEAMINATION/ MICE/ *MITOCHONDRIA, LIVER, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PUTRESCINE, metabolism/ SEROTONIN, metabolism/ TYRAMINE, metabolism/ VITAMIN E, pharmacodynamics

1429. **Gorlin RJ, Alper R, Langer L:** Megepiphyseal dwarfism. J Pediatr 83:633-5, Oct 73
ABNORMALITIES, MULTIPLE, complications/ ANKLE JOINT/ BONE AND BONES, abnormalities/ CARPAL BONES, abnormalities/ CHILD/ CLEFT PALATE, complications/ *DWARFISM/ ELBOW JOINT/ EPIPHYSES, abnormalities/ FACIAL EXPRESSION/ FEMUR HEAD, abnormalities/ FINGER JOINT/ HIP JOINT/ HUMAN/ KNEE JOINT/ MALE/ NOSE, abnormalities/ SHOULDER JOINT/ WRIST JOINT

1430. **Gornall DA, Kuksis A:** Alterations in lipid composition of plasma lipoproteins during deposition of egg yolk. J Lipid Res 14:197-205, Mar 73
ANIMAL EXPERIMENTS/ *CHICKENS/ CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ EGG YOLK/ FATTY ACIDS, blood/ FATTY ACIDS, metabolism/ FEMALE/ LIPIDS, blood/ LIPIDS, metabolism/ LIPOPROTEINS, blood/ LIPOPROTEINS, isolation & purification/ *LIPOPROTEINS, metabolism/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, LDL, metabolism/ LIPOPROTEINS, VLDL, blood/ LIPOPROTEINS, VLDL, metabolism/ *OVULATION/ *OVUM, metabolism/ PHOSPHOLIPIDS, metabolism/ TRIGLYCERIDES, blood/ TRIGLYCERIDES, metabolism

1431. **Gorshein D, Hait WN, Besa EC, et al:** Increased stem cell response to erythropoietin induced by androgens. Endocrinology 93:777-80, Oct 73
ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ DRUG SYNERGISM/ *ERYTHROPOIETIN, pharmacodynamics/ FEMALE/ *HEMATOPOIETIC STEM CELL drug effects/ HEMATOPOIETIC STEM CE metabolism/ IRON, metabolism/ IRON ISOTOPES/ MICE/ *NANDROLONE, pharmacodynamics

1432. **Gorshein D, Murphy S, Gardner FH:** Comparative on the erythropoietic effects of androgens and mode of action. J Appl Physiol 35:276-8, S
*ANDROGENS, pharmacodynamics/ *ANDROGENS, therapeutic use/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ERYTHROCYTE COUNT/ ERYTHROCYTE metabolism/ ETHYLESTRENOL, therapeut use/ FEMALE/ IRON, metabolism/ IRON ISOTOPES/ MICE/ NANDROLONE, thera use/ OXYMETHOLONE, therapeutic use/ *POLYCYTHEMIA, drug therapy/ PROPIONATES/ RETICULOCYTES/ TESTOSTERONE, therapeutic use

1433. **Gotshall RW, Davis JO, Shade RE, et al:** Effects o denervation on renin release in sodium-de dogs. Am J Physiol 225:344-9, Aug 73
ANIMAL EXPERIMENTS/ DENERVATION DIET, SALT-FREE/ DOGS/ FEMALE/ KIDNEY, blood supply/ KIDNEY, drug effects/ *KIDNEY, innervation/ KID secretion/ PAPAVERINE, pharmacodynam *RENIN, blood/ RENIN, secretion/ *SOD blood

1434. **Gottesfeld Z, Samuel D, Icekson Y:** Glutamat GABA levels and glutamate decarboxylase acti brain regions of rats after prolonged treatmen alkali cations. Experientia 29:68-9, 1 May
*ALKALIES, pharmacodynamics/ *AMINOBUTYRIC ACID, analysis/ AMYGDALOID BODY, analysis/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *B CHEMISTRY, drug effects/ BRAIN STEM analysis/ CATIONS, MONOVALENT/ CEREBRAL CORTEX, analysis/ CEREBR CORTEX, enzymology/ CESIUM, pharmacodynamics/ *GLUTAMATE DEHYDROGENASE, analysis/ *GLUTAMA analysis/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, enzymology/ LITHIUM pharmacodynamics/ MALE/ POTASSIUM, pharmacodynamics/ RATS/ RUBIDIUM, pharmacodynamics/ SODIUM, pharmacodynamics

1435. **Gottlieb JA:** Combination chemotherapy: ration schedule selection and use of agents wi independent toxicities in phase I and II clinical Transplant Proc 5:1185-9, Sep 73
ACUTE DISEASE, drug therapy/ ADRIAMYCIN, therapeutic use/ ADULT/ AGRANULOCYTOSIS, chemically induced BCG VACCINATION/ BLEOMYCIN, therapeutic use/ CYTARABINE, therapeu use/ *DRUG COMBINATIONS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSION/ LEUKEMIA, dru therapy/ LYMPHOPENIA, chemically ind MITOSIS, drug effects/ NITROGEN MUS COMPOUNDS, adverse effects/ PREDNIS therapeutic use/ THROMBOPENIA, chem induced/ VINCRISTINE, therapeutic use

1436. **Götzel L:** Komplikationen der immunsuppr Therapie mit Zytostatika bei Autoaggressionskrankheiten unter besonde Berücksichtigung der cholestatischen Hep Z Gesamte Inn Med 28:331-5, 1 Jun 73
ADRENAL CORTEX HORMONES, therap use/ *AUTOIMMUNE DISEASES, drug therapy/ *AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic us *CHOLESTASIS, chemically induced/ CH DISEASE/ DERMATOMYOSITIS, drug th ENGLISH ABSTRACT/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ HUMAN/ *LIVER DISEASES, chemically induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/

*MERCAPTOPURINE, adverse effects/ MERCAPTOPURINE, therapeutic use/ PERIARTERITIS NODOSA, drug therapy/ SCLERODERMA, SYSTEMIC, drug therapy/ TIME FACTORS

Goubern M, N'Diaye-Buisson F, Terroine T: Activités de diverses hydrolases acides et taux d'acide ascorbique dans le testicule de rat adulte au cours de la carence en vitamine a.
Ann Nutr Aliment 26:263-89, 1972 **(Fre)**
ACID PHOSPHATASE, metabolism/ ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *ASCORBIC ACID, metabolism/ ATROPHY/ BODY WEIGHT/ DEOXYRIBONUCLEASE, metabolism/ ENGLISH ABSTRACT/ FATTY ACIDS, UNSATURATED, therapeutic use/ HYALURONIDASE, metabolism/ HYDROGEN-ION CONCENTRATION/ *HYDROLASES, metabolism/ LIVER, anatomy & histology/ MALE/ ORGAN WEIGHT/ RATS/ TESTICULAR DISEASES, enzymology/ TESTICULAR DISEASES, metabolism/ TESTIS, anatomy & histology/ TESTIS, enzymology/ *TESTIS, metabolism/ VITAMIN A, therapeutic use/ VITAMIN A DEFICIENCY, drug therapy/ VITAMIN A DEFICIENCY, enzymology/ *VITAMIN A DEFICIENCY, metabolism

ouin B, Gosset F, Hardouin JP: Maladie de Horton. Troubles neuro-psychiques et hyperammoniémie (a propos d'une observation.
Ann Med Interne (Paris) 123:1047-50, Dec 72 **(Fre)**
*AMMONIA, blood/ BRAIN DISEASES, etiology/ CASE REPORT/ CORTISONE, therapeutic use/ DEPRESSION, etiology/ ELECTROENCEPHALOGRAPHY/ HUMAN/ MALE/ *MENTAL DISORDERS, etiology/ *METABOLIC DISEASES, complications/ MIDDLE AGE/ *NEUROLOGIC MANIFESTATIONS/ *TEMPORAL ARTERITIS, complications/ TEMPORAL ARTERITIS, drug therapy

ouilding A, Jukes C, McChesney R, et al: Effect of parathyroidectomy on urinary hydroxyproline excretion by subtotally nephrectomized rats.
Endocrinol 58:127-8, Jul 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, blood/ *HYDROXYPROLINE, urine/ MALE/ *NEPHRECTOMY/ *PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ RATS/ UREA, blood

ust JM, Castaigne A, Moulias R: Etude de l'immunité cellulaire par le test de migration des leucocytes au cours de la myasthénie.
ev Neurol (Paris) 127:355-62, Sep 72 **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ ANTIBODIES/ ANTIGENS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERSENSITIVITY, DELAYED/ *IMMUNITY, CELLULAR/ *LEUKOCYTES/ MALE/ MIDDLE AGE/ MUSCLES, immunology/ MYASTHENIA GRAVIS, complications/ *MYASTHENIA GRAVIS, immunology/ THYMECTOMY/ THYMOMA, complications/ THYMUS NEOPLASMS, complications

abovskii LA: Ob aktivnykh vazomotornykh aktsiiakh koronarnykh sosudov pri deistvii ekotorykh gumoral'nykh razdrazhitelei.
ardiologiia 13:100-4, May 73 **(Rus)**
ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE DETERMINATION/ *CORONARY CIRCULATION, drug effects/ *CORONARY VESSELS, drug effects/ DOGS/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ HEART CATHETERIZATION/ HEART FUNCTION TESTS/ PERFUSION/ SEROTONIN, pharmacodynamics/ TRANSDUCERS/ *VASOMOTOR SYSTEM, drug effects

diski D, Brudieux R, Delost P: Teneurs surrénaliennes en amines médullaires au cours de la première semaine de la vie chez le cobaye.
C R Soc Biol (Paris) 166:1670-4, 1972 **(Fre)**
*ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ BODY WEIGHT/ *EPINEPHRINE, analysis/ GUINEA PIGS/ GUINEA PIGS, metabolism/ *NOREPINEPHRINE, analysis

1443. **Graef V:** Enzymdefekte bei der Biosynthese der Steroidhormone.
Dtsch Med Wochenschr 98:1299-304, 29 Jun 73 (52 ref.) **(Ger)**
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, enzymology/ *ADRENOGENITAL SYNDROME, enzymology/ ADRENOGENITAL SYNDROME, metabolism/ ALDOSTERONE, biosynthesis/ ESTROGENS, biosynthesis/ FEMALE/ HUMAN/ HYDROCORTISONE, biosynthesis/ INFANT, NEWBORN/ MALE/ METABOLISM, INBORN ERRORS, enzymology/ REVIEW/ STEIN-LEVENTHAL SYNDROME, enzymology/ *STEROID HYDROXYLASES, metabolism/ TESTOSTERONE, biosynthesis

1444. **Graesslin D, Spies A, Weise HC, et al:** Properties of human pituitary and urinary LH.
Acta Endocrinol [Suppl] (Kbh) 173:56, 1973
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ IMMUNOELECTROPHORESIS/ ISOELECTRIC FOCUSING/ *LH, analysis/ LH, urine/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS, analysis/ PITUITARY GLAND

1445. **Gráf L, Patthy A, Barabás EB, et al:** On the NH 2 -terminal residue of hirudin.
Biochim Biophys Acta 310:416-7, 15 Jun 73
AMINO ACID SEQUENCE/ AMINOPEPTIDASES/ CHROMATOGRAPHY, THIN LAYER/ FORMIC ACIDS/ *HIRUDIN, analysis/ HYDROLYSIS/ OXIDATION-REDUCTION/ THIOCYANATES/ VALINE, analysis

1446. **Graff G, Lancet M:** [Prophylactic chemotherapy in hydatiform mole]
Harefuah 84:510-1, 1 May 73 **(Heb)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, drug therapy/ HYDATIDIFORM MOLE, prevention & control/ PREGNANCY

1447. **Graham JH, Banes D, Proctor JB:** Determination of dienestrol in pharmaceuticals.
J Assoc Off Anal Chem 55:190-3, Jan 72
ALKENES, analysis/ CHROMATOGRAPHY/ *ESTROGENS, analysis/ EVALUATION STUDIES/ ISOMERISM/ METHODS/ OINTMENTS, analysis/ *PHENOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TABLETS, analysis

1448. **Grahn B, Henningsson SS, Kahlson G, et al:** Alterations in the activities of ornithine and histidine decarboxylases provoked by testosterone in mice.
Br J Pharmacol 48:113-20, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CARBOXY-LYASES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ HISTIDINE/ INDICATORS AND REAGENTS/ KIDNEY, drug effects/ KIDNEY, enzymology/ LIVER, drug effects/ LIVER, enzymology/ MICE/ NITROBENZENES, urine/ ORNITHINE/ PUTRESCINE, urine/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1449. **Grand RJ, Torti FM, Jaksina S:** Development of intestinal adenyl cyclase and its response to cholera enterotoxin. J Clin Invest 52:2053-9, Aug 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CHOLERA/ *ENTEROTOXINS, pharmacodynamics/ FEMALE/ FETUS, metabolism/ FLUORIDES, pharmacodynamics/ GALACTOSIDASE, metabolism/ GESTATIONAL

AGE/ HUMAN/ ILEUM, drug effects/ ILEUM, enzymology/ IN VITRO/ INTESTINAL MUCOSA, growth & development/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, drug effects/ *JEJUNUM, enzymology/ LITHIUM, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PREGNANCY/ RABBITS/ STIMULATION, CHEMICAL

1450. **Granicki O:** Niektóre aspekty kliniczne i lecznicze śpiączki wątrobowej.
Przegl Epidemiol 27:237-44, 1973 **(Pol)**
ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ EXCHANGE TRANSFUSION/ FEMALE/ HEPATIC COMA, drug therapy/ *HEPATIC COMA, therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ PARABIOSIS/ PERFUSION/ SWINE

1451. **Grant EC:** Side effects of the pill.
Br Med J 3:349, 11 Aug 73
AGE FACTORS/ *CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LIBIDO, drug effects/ SINGLE PERSON

1452. **Grau Real F, Bolinches Bolinches R:** Nuestra experiencia con el bromuro de pancuronium en cirugía digestiva.
Rev Esp Anestesiol Reanim 20:292-6, Jul 73 **(Spa)**
*ANDROSTANES/ *ANESTHESIA ADJUVANTS/ CHOLECYSTECTOMY/ *CURARE-LIKE AGENTS/ *DIGESTIVE SYSTEM, surgery/ GASTRECTOMY/ HUMAN/ PANCURONIUM

1453. **Gravina E, Tommaselli A:** Thyroxine binding globulin (TBG) in thyrotoxicosis and in hypothyroidism.
Folia Endocrinol (Roma) 25:135-42, Apr 72
ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, physiopathology/ MALE/ PROTEIN-BOUND IODINE TEST/ *SERUM GLOBULINS/ *THYROXINE-BINDING PROTEIN, analysis

1454. **Graybiel AM:** The thalamo-cortical projection of the so-called posterior nuclear group: a study with anterograde degeneration methods in the cat.
Brain Res 49:229-44, 30 Jan 73
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ AUDITORY CORTEX, anatomy & histology/ CATS/ *CEREBRAL CORTEX, anatomy & histology/ GANGLIA, BASAL, anatomy & histology/ NERVE DEGENERATION/ NEURAL CONDUCTION/ NEURAL INTERCONNECTIONS, anatomy & histology/ SOMATOSENSORY CORTEX, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology/ *THALAMIC NUCLEI, anatomy & histology

1455. **Gréen K, Granström E, Samuelsson B, et al:** Methods for quantitative analysis of PGF2 , PGE2, 9 , 11 -dihydroxy-15-keto-prost-5-enoic acid and 9 , 11 , 15-trihydroxy-prost-5-enoic acid from body fluids using deuterated carriers and gas chromatography--mass spectrometry.
Anal Biochem 54:434-53, Aug 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CYCLOPENTANE/ DEUTERIUM/ HYDROLYSIS/ ISOTOPE LABELING/ KETONES/ KIDNEY, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIDATION-REDUCTION/ PHOSPHINES/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, isolation & purification/ SWINE

1456. **Greenberger NJ:** Pancreatitis and hyperlipemia.
N Engl J Med 289:586-7, 13 Sep 73
AMYLASE, blood/ AMYLASE, urine/ CONTRACEPTIVES, ORAL, adverse effects FEMALE/ HUMAN/ HYPERLIPEMIA, blood HYPERLIPEMIA, chemically induced/ *HYPERLIPEMIA, complications/ HYPERLIPEMIA, enzymology/ LIPASE, blo LIPOPROTEINS, blood/ PANCREATITIS, chemically induced/ PANCREATITIS, enzymology/ *PANCREATITIS, etiology/ TRIGLYCERIDES, blood

1457. **Greenblatt DJ, Koch-Weser J:** Adverse reaction propranolol in hospitalized medical patients: a re from the Boston Collaborative Drug Surveill Program. Am Heart J 86:478-84, Oct 73
ADULT/ AGED/ ANGINA PECTORIS, drug therapy/ ARRHYTHMIA, drug therapy/ BLOOD PRESSURE, drug effects/ BOSTON EVALUATION STUDIES/ FEMALE/ HUMA HYPERTENSION, drug therapy/ HYPERTHYROIDISM, drug therapy/ HYPOTENSION, chemically induced/ MAL MIDDLE AGE/ PROPRANOLOL, administr & dosage/ *PROPRANOLOL, adverse effec PROPRANOLOL, pharmacodynamics/ PULMONARY EDEMA, chemically induced SHOCK, chemically induced

1458. **Greengard O:** Effects of hormones on developme fetal enzymes.
Clin Pharmacol Ther 14:721-6, Jul-Aug 73
ADRENAL GLANDS, enzymology/ ANIMA EXPERIMENTS/ ANIMALS, NEWBORN/ ASPARTATE AMINOTRANSFERASE, metabolism/ FETUS, drug effects/ *FETU enzymology/ FETUS, growth & developme GESTATIONAL AGE/ GLUCAGON, metabolism/ *GLUCAGON, pharmacodynan *GLUCOCORTICOIDS, pharmacodynamics/ GLYCOGEN, metabolism/ LIVER, enzymol LIVER, growth & development/ PITUITA GLAND, enzymology/ PREGNANCY/ RAT THYROID GLAND, enzymology/ *THYRO pharmacodynamics

1459. **Greengard P, McAfee DA, Kebabian JW:** O mechanism of action of cyclic AMP and its r synaptic transmission.
Adv Cyclic Nucleotide Res 1:337-55, 1972 (3
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOS CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMEN ATROPINE, pharmacodynamics/ AUTONO FIBERS, POSTGANGLIONIC, drug effects BRAIN, drug effects/ BRAIN, metabolism CATTLE/ CEREBRAL CORTEX, cytology CEREBRAL CORTEX, enzymology/ DOPAMINE, pharmacodynamics/ ELECTR STIMULATION/ EVOKED POTENTIALS/ GANGLIA, drug effects/ GANGLIA, metabolism/ HEXAMETHONIUM COMPOU pharmacodynamics/ HISTOCYTOCHEMIST MODELS, BIOLOGICAL/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHOSPHODIESTERASES, analysis/ PROPRANOLOL, pharmacodynamics/ RAI RATS/ REVIEW/ *SYNAPSES, drug effe THEOPHYLLINE, pharmacodynamics

1460. **Greengrass PM, Tonge SR:** Some effects of th and chronic administration of sex hormones o monoamine concentrations.
Br J Pharmacol 47:660P-661P, Mar 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ *BRAIN CHEMISTRY effects/ DOPAMINE, analysis/ *ESTROG pharmacodynamics/ FEMALE/ HYDROXYINDOLEACETIC ACID, analys MICE/ NOREPINEPHRINE, analysis/ NORMETANEPHRINE, analysis/ *PROGESTERONE, pharmacodynamics/ SEROTONIN, analysis/ TIME FACTORS/ TRYPTOPHAN, analysis/ TYROSINE, an

1461. **Greep RO:** Nature, role and control of gonadotrophins.
J Reprod Fertil [Suppl] 18:1-13, Jul 73 (
ADENOSINE CYCLIC 3',5' MONOPHOSP

physiology/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CORPUS LUTEUM, physiology/ FEMALE/ FSH, analysis/ FSH, blood/ FSH, physiology/ GONADOTROPINS, CHORIONIC, physiology/ *GONADOTROPINS, PITUITARY, physiology/ HUMAN/ LH, analysis/ LH, blood/ LH, physiology/ MENSTRUATION/ PROGESTERONE, blood/ PROLACTIN, physiology/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ THYROTROPIN, physiology/ ULTRACENTRIFUGATION

Gregg JH, Nesom MG: Response of Dictyostelium plasma membranes to adenosine 3':5'-cyclic monophosphate.
Proc Natl Acad Sci USA 70:1630-3, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CELL DIFFERENTIATION/ CELL MEMBRANE, drug effects/ FREEZE ETCHING/ MICROSCOPY, ELECTRON/ MYXOMYCETES, cytology/ *MYXOMYCETES, drug effects/ TIME FACTORS

Gregory PA: CT 1341 and feline anaesthesia.
Vet Rec 92:350, 31 Mar 73
*ANESTHESIA, veterinary/ *ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ *CATS/ KETONES, adverse effects/ *PREGNANES, adverse effects/ THROMBOSIS, chemically induced/ THROMBOSIS, veterinary

Grekin RJ, Dale SL, Melby JC: The role of 18-hydroxy-11-deoxycorticosterone as a precursor in human adrenal tissue in vitro.
J Clin Endocrinol Metab 37:261-4, Aug 73
*ADRENAL GLANDS, metabolism/ ADULT/ ALDOSTERONE, biosynthesis/ BREAST NEOPLASMS, metabolism/ CARBON ISOTOPES/ HUMAN/ HYDROXYCORTICOSTEROIDS, biosynthesis/ *HYDROXYCORTICOSTEROIDS, metabolism/ HYPERALDOSTERONISM, metabolism/ KETOSTEROIDS, metabolism/ MALE/ *PREGNENES, metabolism/ TRITIUM

resik EW: Fine structural evidence for the presence of nerve terminals in the testis of the teleost, Oryzias latipes. Gen Comp Endocrinol 21:210-3, Aug 73
ANIMAL EXPERIMENTS/ *FISHES, anatomy & histology/ *LEYDIG CELLS, innervation/ MALE/ MICROSCOPY, ELECTRON/ *NERVE ENDINGS, cytology/ *TESTIS, innervation

reve T, Dayton AD, Anderson NV: Acute pancreatitis with coexistent diabetes mellitus: an experimental study in the dog. Am J Vet Res 34:939-45, Jul 73
ACUTE DISEASE/ ALANINE AMINOTRANSFERASE, blood/ AMYLASE, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CREATININE, blood/ DEXAMETHASONE/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, complications/ *DIABETES MELLITUS, veterinary/ *DOG DISEASES/ DOG DISEASES, chemically induced/ DOG DISEASES, etiology/ DOGS/ GLUCOSE TOLERANCE TEST/ GLYCOSURIA, veterinary/ KETONES, urine/ LIPASE, blood/ PANCREATECTOMY/ PANCREATITIS, complications/ PANCREATITIS, etiology/ *PANCREATITIS, veterinary/ POLYURIA, veterinary/ SOMATOTROPIN/ STAPHYLOCOCCUS/ TOXINS

ze M: Les tumeurs de la surrénale. **(Fre)**
ev Infirm 23:317-21, Apr 73
ADRENAL CORTICAL REST TUMOR/ ADRENAL GLAND NEOPLASMS/ PHEOCHROMOCYTOMA/ SPECIAL LIST NURSING

ffith ER, Stonebridge JB, Lehmann JF: Current ethods of in-vivo measurement of osteoporosis.
n J Phys Med 52:75-91, Apr 73 (64 ref.)
ACTIVATION ANALYSIS/ BIOPSY/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ DENSITOMETRY, X-RAY/ HUMAN/ HYDROXYPROLINE, urine/ MICRORADIOGRAPHY/ OSTEOPOROSIS, classification/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, radiography/ OSTEOPOROSIS, urine/ RADIOISOTOPE SCANNING/ REVIEW/ VIBRATION

1469. **Griffiths K, Chandler JA, Henderson WJ, et al:** Ovarian cancer: some new analytical approaches.
Postgrad Med J 49:69-72, Feb 73
CRYSTALLOGRAPHY/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, pathology/ RADIOGRAPHY/ TALC

1470. **Griggs RC, Markesbery WR, Condemi JJ:** Cerebral mass due to sarcoidosis. Regression during corticosteroid therapy. Neurology (Minneap) 23:981-9, Sep 73
ADOLESCENCE/ APHASIA, etiology/ BRAIN DISEASES, diagnosis/ *BRAIN DISEASES, etiology/ BRAIN DISEASES, pathology/ CEREBRAL ANGIOGRAPHY/ *DEXAMETHASONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ GRANULOMA, diagnosis/ *GRANULOMA, etiology/ GRANULOMA, pathology/ HEMIPLEGIA, etiology/ HUMAN/ MALE/ PARIETAL LOBE, pathology/ *PREDNISONE, therapeutic use/ RADIOISOTOPE SCANNING/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology/ TEMPORAL LOBE, pathology

1471. **Grill V, Cerasi E:** Activation by glucose of adenyl cyclase in pancreatic islets of the rat.
FEBS Lett 33:311-4, 15 Jul 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ CLOSTRIDIOPEPTIDASE A/ ENZYME ACTIVATION/ *GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, enzymology/ ISLANDS OF LANGERHANS, secretion/ MALE/ RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ TRITIUM/ XANTHINES, pharmacodynamics

1472. **Grill V, Rosenqvist U:** Inhibition of the noradrenaline-induced adenyl cyclase stimulation by augmented alpha-adrenergic response in subcutaneous adipose tissue from hypothyroid subjects. Acta Med Scand 194:129-33, Jul-Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ADULT/ AGED/ CARBON ISOTOPES/ CHOLESTEROL, blood/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, metabolism/ IODINE ISOTOPES/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, antagonists & inhibitors/ PHENTOLAMINE, pharmacodynamics/ RECEPTORS, ADRENERGIC/ STIMULATION, CHEMICAL/ TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM

1473. **Grimm Y, Reichlin S:** Thyrotropin releasing hormone (TRH): neurotransmitter regulation of secretion by mouse hypothalamic tissue in vitro.
Endocrinology 93:626-31, Sep 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ DISULFIRAM, pharmacodynamics/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, secretion/ IN VITRO/ MICE/ NEURAL TRANSMISSION/ *NOREPINEPHRINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/

*THYROTROPIN RELEASING FACTOR, secretion/ TRITIUM

1474. **Grin J, Bueno EJ:** Effect of cocaine on Na channel in toad skin. Can J Physiol Pharmacol 51:516-22, Jul 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BUFO ARENARUM/ CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ *COCAINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEMALE/ IN VITRO/ KINETICS/ MALE/ SKIN, drug effects/ *SKIN, metabolism/ SODIUM, antagonists & inhibitors/ *SODIUM, metabolism/ STATISTICS

1475. **Griswold MD, Cohen PP:** Thyroxine-mediated control of ribonucleic acid polymerase activity in liver of Rana catesbeiana. J Biol Chem 248:5854-60, 25 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CELL NUCLEUS, enzymology/ CYCLOHEXIMIDE, pharmacodynamics/ DNA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FROGS/ LARVA, drug effects/ LARVA, enzymology/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ MAGNESIUM/ MANGANESE/ METAMORPHOSIS, BIOLOGICAL/ NUCLEIC ACID DENATURATION/ RANA CATESBEIANA, drug effects/ *RANA CATESBEIANA, metabolism/ RNA POLYMERASE, isolation & purification/ *RNA POLYMERASE, metabolism/ SOLUBILITY/ TEMPLATES/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics/ TRITIUM

1476. **Griswold WR, McIntosh RM:** Lymphocyte responses to phytohemagglutinin in rheumatoid arthritis and glomerulonephritis and the effects of immunosuppression. Experientia 29:606-7, 15 May 73
*ARTHRITIS, RHEUMATOID, immunology/ CYCLOPHOSPHAMIDE, pharmacodynamics/ *GLOMERULONEPHRITIS, immunology/ *IMMUNOSUPPRESSION/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTE TRANSFORMATION, drug effects/ *PLANT AGGLUTININS, pharmacodynamics/ PREDNISONE, pharmacodynamics

1477. **Grogan WM Jr, Coniglio JG, Rhamy RK:** Identification of some polyenoic acids isolated from human testicular tissue. Lipids 8:480-2, Aug 73
ADULT/ AGED/ CHROMATOGRAPHY, GAS/ FATTY ACIDS, analysis/ HUMAN/ HYDROGENATION/ *LINOLEIC ACID, analysis/ *LINOLENIC ACID, analysis/ MALE/ MIDDLE AGE/ RATS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TESTIS, analysis

1478. **Grokhovskii LP:** O narushenii vydeleniia katekholaminov i serotonina pri nedonashivanii. Akush Ginekol (Mosk) 48:30-2, Sep 72 **(Rus)**
*ABORTION, HABITUAL, urine/ *CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROXYINDOLEACETIC ACID, urine/ *LABOR, PREMATURE, urine/ PREGNANCY/ *SEROTONIN, urine

1479. **Gromova EA, Machula AI:** Vliianie serotonina na sledovye protsessy v somatosensornoi oblasti kory. Zh Vyssh Nerv Deiat 22:1013-8, Sep-Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ CATS/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ *EVOKED POTENTIALS, drug effects/ *SEROTONIN, pharmacodynamics/ *SOMATOSENSORY CORTEX, drug effects/ THALAMIC NUCLEI, drug effects

1480. **Groom GV, Boyns AR:** Gonadotrophin release from human foetal pituitary cultures induced by fragments of the luteinizing hormone-releasing hormone. FEBS Lett 33:57-60, 15 Jun 73
FEMALE/ FETUS/ *GONADOTROPINS, secretion/ HUMAN/ LH/ OLIGOPEPTIDES, pharmacodynamics/ ORGAN CULTURE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PREGNANCY/ STRUCTURE-ACTIVITY RELATIONSHIP

1481. **Gros C, Colin C, Haehnel P:** Sex chromatin (Barr bo and inflammatory carcinoma of the breast. Biomedicine [Express] 19:65-7, 10 Feb 73
*BREAST, cytology/ *BREAST NEOPLASMS familial & genetic/ *CARCINOMA, familial genetic/ FEMALE/ HUMAN/ PROGNOSIS/ *SEX CHROMATIN/ STATISTICS

1482. **Grosser BI, Stevens W, Reed DJ:** Properties corticosterone-binding macromolecules from brain cytosol. Brain Res 57:387-95, 27 Jul
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BRAIN, drug effects/ *BRAIN, metabolism/ CENTRIFUGATION/ *CORTICOSTERONE, metabolism/ *CYTOSO metabolism/ DEXAMETHASONE, metabolism ELECTROPHORESIS/ GEL FILTRATION/ HIPPOCAMPUS, metabolism/ LIPASE, pharmacodynamics/ *MACROMOLECULAR SYSTEMS/ MALE/ NERVE TISSUE PROTEINS, metabolism/ NEURAMINIDASE, pharmacodynamics/ NUCLEOTIDYLTRANSFERASES, pharmacodynamics/ PEPTIDE HYDROLASES pharmacodynamics/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TRANSCORTIN, metabolism/ TRITIUM

1483. **Grosvenor CE, Mena F:** Evidence for a time d between prolactin release and the resulting ris milk secretion rate in the rat. J Endocrinol 58:31-9, Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ *LACTATION/ MAMMAE, drug effects/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PROLACTIN, secretion/ RATS/ SECRETORY RATE, drug effects/ TIME FACTORS

1484. **Grover JW:** Problems of emerging sexuality and t management. RI Med J 56:274-9 passim, Ju
ADOLESCENCE/ AGE FACTORS/ FEMALE HUMAN/ MALE/ PEER GROUP/ PREGNANCY/ *PUBERTY/ *SEX BEHAVI SEX EDUCATION/ SOCIAL CONFORMITY SOCIOECONOMIC FACTORS/ UNITED STATES/ VENEREAL DISEASES, occurren

1485. **Grozdea J, Kessous A, Colombies P:** Leukaemia and of Y chromosome. Lancet 2:506, 1 Sep 73
ADULT/ ALKALINE PHOSPHATASE, bloo HUMAN/ *LEUKEMIA, MYELOCYTIC, fam & genetic/ LUNG NEOPLASMS, familial & genetic/ MALE/ *SEX CHROMOSOME ABNORMALITIES

1486. **Grube D, Forssmann WG:** Studien über die endok Zellen des Magendarmtraktes. II. Fluoreszenzmikroskopie der EC-Zellen bei tryptophanfreier Diät. Z Zellforsch Mikrosk Anat 140:551-65, 16 Jul 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CYTOPLASMIC GRANULES/ DIET/ DUODENUM/ ENGLISH ABSTRACT/ EPITHELIUM/ FLUORESCENCE/ FORMALDEHYDE/ *GASTRIC MUCOSA, cytology/ GASTRIC MUCOSA, secretion/ HISTOCYTOCHEMISTRY/ HISTOLOGY, COMPARATIVE/ *INTESTINAL MUCOSA, cytology/ INTESTINES, secretion/ MALE/ MICROSCOPY, FLUORESCENCE/ PYLORU RATS/ *SEROTONIN/ SEROTONIN, analys SEROTONIN, biosynthesis/ SEROTONIN, metabolism/ TIME FACTORS/ *TRYPTOP

1487. **Gruhn K, Thelemann W:** Untersuchungen z Verwertung von markiertem Ammoniumbikar und Harstoff für die Milchproteinsynthese Arch Exp Veterinaermed 27:157-63, 1973
AMMONIUM COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ *CATTLE/ ENGLISH ABSTRACT/ FEMALE/ *GOATS *LACTATION/ *MILK PROTEINS, biosynthesis/ NITRO COMPOUNDS, metabolism/ *NITROGEN, metabolism/

NITROGEN ISOTOPES/ PREGNANCY/ UREA, metabolism

Grünberg W, Stavrou D: Das "metastasierende Schilddrüsenadenom" (Wegelin) bei Ursiden. Zentralbl Veterinaermed [A] 20:244-55, Apr 73 (Ger)
*ADENOMA, veterinary/ ANIMAL EXPERIMENTS/ *CARNIVORA/ ENGLISH ABSTRACT/ FEMALE/ *LUNG NEOPLASMS, veterinary/ MALE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, veterinary

Gruszkiewicz J, Doron Y, Peyser E: Recovery from severe craniocerebral injury with brain stem lesions in childhood. Surg Neurol 1:197-201, Jul 73
ADOLESCENCE/ ADULT/ BRAIN INJURIES, ACUTE, complications/ *BRAIN INJURIES, ACUTE, therapy/ *BRAIN STEM, injuries/ CHILD/ CHILD, PRESCHOOL/ COMA, etiology/ DECEREBRATE STATE, drug therapy/ DECEREBRATE STATE, etiology/ *DECEREBRATE STATE, therapy/ EPILEPSY, etiology/ FEMALE/ FEVER, etiology/ FOLLOW-UP STUDIES/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYPOTHERMIA, INDUCED/ INFANT/ MALE/ MUSCLE RIGIDITY, etiology/ PROGNOSIS/ RESPIRATORY INSUFFICIENCY, etiology/ SKULL FRACTURES, etiology/ SPINAL PUNCTURE

Gryfe CI: Metacarpal cortical measurements. Can Med Assoc J 107:601 passim, 7 Oct 72
AGE FACTORS/ AGED/ BODY COMPOSITION/ BONE AND BONES, metabolism/ CHILD/ DIET/ HUMAN/ MALE/ *METACARPUS, anatomy & histology/ WATER SUPPLY, analysis

Guerrant RL, Ganguly U, Casper AG, et al: Effect of Escherichia coli on fluid transport across canine small bowel. Mechanism and time-course with enterotoxin and whole bacterial cells.
J Clin Invest 52:1707-14, Jul 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ DOGS/ *ENTEROTOXINS, pharmacodynamics/ *ESCHERICHIA COLI/ FEMALE/ IN VITRO/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, enzymology/ *INTESTINAL SECRETIONS, drug effects/ JEJUNUM, drug effects/ MALE/ PHOSPHORUS ISOTOPES/ TIME FACTORS/ TRITIUM/ WATER-ELECTROLYTE BALANCE

Guerrero-Figueroa R, Guerrero-Figueroa E, Sneed GA, et al: Effects of molindone on CNS structures: neurophysiological and behavioral correlations.
Curr Ther Res 15:508-19, Jul 73
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ CATS/ *CENTRAL NERVOUS SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, physiopathology/ CEREBRAL CORTEX, drug effects/ CONVULSIONS, chemically induced/ *CONVULSIONS, drug therapy/ CONVULSIONS, physiopathology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ GANGLIA, BASAL, drug effects/ HYPOTHALAMUS, drug effects/ *INDOLES, pharmacodynamics/ MOLINDONE, pharmacodynamics/ MONKEYS/ PHYSICAL STIMULATION/ RETICULAR FORMATION, drug effects

Guglielmone AE de, Duvilanski B: RNA metabolism in brain of suckling normal and hypothyroid rats.
Experientia 28:1101-3, 15 Sep 72
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ BRAIN, cytology/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CELL FRACTIONATION/ CELL NUCLEUS, analysis/ *HYPOTHYROIDISM, metabolism/ MICROSOMES, analysis/ MITOCHONDRIA, analysis/ OROTIC ACID, metabolism/ RATS/ RATS, INBRED STRAINS/ RNA, analysis/ *RNA, metabolism/ SUBCELLULAR FRACTIONS, analysis/ THYROIDECTOMY/ TRITIUM

1494. **Guhr O:** Portioveränderungen unter Kortikosteroiden.
Munch Med Wochenschr 115:1020-2, 1 Jun 73 (Ger)
BIOPSY/ *CARCINOMA IN SITU, chemically induced/ CARCINOMA IN SITU, diagnosis/ CARCINOMA IN SITU, pathology/ *CERVIX DISEASES, chemically induced/ CERVIX DISEASES, diagnosis/ CERVIX DISEASES, pathology/ *CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, pathology/ COLPOSCOPY/ CONTRACEPTIVES, ORAL, adverse effects/ CORTISONE, administration & dosage/ *CORTISONE, adverse effects/ CORTISONE, therapeutic use/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS

1495. **Guibaud P, Hermier M, Ajacques JC, et al:** La dysplasie cranio-métaphysaire. Deux observations de la forme dominante. Pediatrie 28:149-61, Mar 73 (Fre)
AUTOSOME ABNORMALITIES/ BONE AND BONES, abnormalities/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ *OSTEOPOROSIS, diagnosis/ PEDIGREE/ SKULL, abnormalities

1496. **Guidry AJ, Kiddy CA:** Effect of anti-semen antibodies on embryonic survival in rabbits.
J Anim Sci 37:118-22, Jul 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ CATTLE, immunology/ CORPUS LUTEUM/ *EMBRYO, physiology/ FEMALE/ FETUS, physiology/ IMMUNE SERUMS/ IMMUNE SERUMS, administration & dosage/ INJECTIONS/ MALE/ OVULATION/ PREGNANCY/ RABBITS, immunology/ *RABBITS, physiology/ *SEMEN, immunology/ UTERUS

1497. **Guillemin R, Amoss M, Blackwell R, et al:** Polypeptide antagonists of the hypothalamic luteinizing hormone releasing factors.
J Reprod Fertil [Suppl] 18:23-30, Jul 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ FSH, secretion/ GLYCINE/ *HYPOTHALAMUS/ IODINE ISOTOPES/ *LH, secretion/ MALE/ PEPTIDES, chem synthesis/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ RADIOIMMUNOASSAY/ RATS/ TISSUE CULTURE

1498. **Guinet P, Rollet J:** L'hypogonadisme hypogonadotrophique masculin. Discussion. Résultats thérapeutiques éloignés.
Probl Actuels Endocrinol Nutr 16:141-57, 3 May 73 (Fre)
ADOLESCENCE/ ADULT/ EUNUCHISM/ *GONADOTROPINS, metabolism/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *HYPOGONADISM/ HYPOGONADISM, diagnosis/ HYPOGONADISM, drug therapy/ HYPOGONADISM, etiology/ HYPOGONADISM, pathology/ HYPOGONADISM, physiopathology/ LONG TERM CARE/ MALE/ MENOTROPINS, therapeutic use/ MENTAL DISORDERS/ PITUITARY GLAND FUNCTION TESTS/ PROGNOSIS/ SPERMATOGENESIS/ TESTOSTERONE, metabolism/ TESTOSTERONE, therapeutic use

1499. **Gumaa KA, McLean P, Greenbaum AL:** Calculation of the intracellular distribution of acetyl CoA and CoA, based on the use of citrate synthase as an equilibrium enzyme. FEBS Lett 29:193-6, 15 Jan 73
ACETATES, metabolism/ ACETYL COENZYME A, analysis/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CITRATE SYNTHASE/ *COENZYME A, analysis/ CYTOSOL, analysis/ FEMALE/ GLUCOSE, metabolism/ *KETOACID-LYASES/ LACTATION/

*MAMMAE, analysis/ MAMMAE, cytology/ MAMMAE, enzymology/ MAMMAE, metabolism/ MATHEMATICS/ MITOCHONDRIA, analysis/ PYRUVATES, metabolism/ SHEEP

1500. **Gunnarsson PO, Nylén U, Pettersson G:** Kinetics of the interaction between ceruloplasmin and reducing substrates. Eur J Biochem 37:41-6, 1 Aug 73
ABSORPTION/ *ASCORBIC ACID/ BLOOD/ CERULOPLASMIN, isolation & purification/ *CERULOPLASMIN, metabolism/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ OXIDATION-REDUCTION/ PLACENTA, enzymology/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP

1501. **Gunnarsson PO, Nylén U, Pettersson G:** Effect of pH on electron-paramagnetic-resonance spectra of ceruloplasmin. Eur J Biochem 37:47-50, 1 Aug 73
BINDING SITES/ BLOOD/ CERULOPLASMIN, analysis/ *CERULOPLASMIN, metabolism/ COPPER, analysis/ ELECTRON SPIN RESONANCE/ FEMALE/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ KINETICS/ OXIDATION-REDUCTION/ PLACENTA, enzymology/ PREGNANCY/ SPECTROPHOTOMETRY/ SWINE

1502. **Gupta L, Arora RB, Singh M:** Structure activity relationship of 5 newly synthesized anticonvulsants. Indian J Exp Biol 10:456-7, Nov 72
ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, pharmacodynamics/ ANTICONVULSANTS, therapeutic use/ *BENZIMIDAZOLES, pharmacodynamics/ BENZIMIDAZOLES, therapeutic use/ CONVULSIONS, chemically induced/ ELECTROSHOCK/ MICE/ PENTYLENETETRAZOLE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THIOUREA, pharmacodynamics/ THIOUREA, therapeutic use

1503. **Gupta N, Levy L:** Delayed manifestation of ultraviolet reaction in the guinea-pig caused by anti-inflammatory drugs.
Br J Pharmacol 47:240-8, Feb 73
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, administration & dosage/ ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ BODY WEIGHT/ ERYTHEMA, prevention & control/ GUINEA PIGS/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, pharmacodynamics/ INDOMETHACIN, therapeutic use/ PERMEABILITY/ PHENYLBUTAZONE, administration & dosage/ PHENYLBUTAZONE, pharmacodynamics/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ RADIATION EFFECTS/ SKIN, drug effects/ *SKIN, radiation effects/ SKIN ABSORPTION, drug effects/ SKIN ABSORPTION, radiation effects/ TIME FACTORS/ *ULTRAVIOLET RAYS

1504. **Gupta S, Ternberg JL, Weldon VV, et al:** Alpha-adrenergic blocking agent in childhood pheochromocytoma. Surgery 74:545-50, Oct 73
*ADRENAL GLAND NEOPLASMS, surgery/ *BLOOD PRESSURE, drug effects/ CHILD/ DRUG SYNERGISM/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ *KIDNEY NEOPLASMS, surgery/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PAPILLEDEMA, complications/ *PHENOXYBENZAMINE, administration & dosage/ PHENOXYBENZAMINE, pharmacodynamics/ *PHENTOLAMINE, administration & dosage/ PHENTOLAMINE, pharmacodynamics/ PHENTOLAMINE, therapeutic use/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, surgery/ PREOPERATIVE CARE/ RECEPTORS, ADRENERGIC, drug effects/ TIME FACTORS

1505. **Gurchinoff S, Kaiser II:** Pseudouridine deficiency transfer ribonucleic acids from Escherichia c treated with 2-thiouracil.
Biochemistry 12:3236-41, 14 Aug 73
AMINO ACID ACTIVATION/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ GEL FILTRATION/ HEAT/ MAGNESIUM, pharmacodynamics/ NUCLEIC ACID DENATURATION/ NUCLEOSIDES, metabolism/ NUCLEOTIDES, metabolism/ PSEUDOURIDINE, metabolism/ *RNA, BACTERIAL, biosynthesis/ RNA, BACTERIA metabolism/ *RNA, TRANSFER, biosynthesis RNA, TRANSFER, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THIOURACIL, pharmacodynamics/ THIOURIDINE, metabolism/ THYMIDINE, metabolism/ *URIDINE, metabolism

1506. **Gustafson AB, Shear L, Gabuzda GJ:** Protein metabolism in vivo in kidney, liver, muscle, and he of potassium-deficient rats.
J Lab Clin Med 82:287-96, Aug 73
ADIPOSE TISSUE, pathology/ AMMONIUM COMPOUNDS, urine/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AN BONES, metabolism/ BONE AND BONES, pathology/ HYDROGEN-ION CONCENTRATION/ *KIDNEY, metabolism/ KIDNEY, pathology/ *LIVER, metabolism/ LIVER, pathology/ MALE/ MUSCLES, analy *MUSCLES, metabolism/ MUSCLES, patholo *MYOCARDIUM, metabolism/ MYOCARDIUM pathology/ ORGAN WEIGHT/ POTASSIUM, analysis/ POTASSIUM, metabolism/ *POTASSIUM DEFICIENCY, metabolism/ *PROTEINS, metabolism/ RATS/ SODIUM, analysis

1507. **Gustafsson JA, Ingelman-Sundberg M:** Sex-specifi -hydroxylation of sulpho-conjugated 5 -androstan 17 -diol in liver microsomes from female r
FEBS Lett 31:292-6, 1 May 73
*ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GEL FILTRATION/ HYDROXYLATION/ KINETICS/ MALE/ MA SPECTRUM ANALYSIS/ *MICROSOMES, LIVER, metabolism/ RATS/ SEX FACTORS *SULFURIC ACIDS, metabolism

1508. **Gutenmann WH, Edgerton LJ, Lisk DJ:** Feeding stu with ethephon growth regulator in the dairy
J Agric Food Chem 21:742-3, Jul-Aug 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CATTLE/ CHLORINE, metabolism/ CHLORINE, urine/ FECES, analysis/ FEMALE/ GASTRIC JUICE, metabolism/ LACTATION/ MILK, metabolis ORGANOPHOSPHORUS COMPOUNDS, administration & dosage/ *ORGANOPHOSPHORUS COMPOUNDS, metabolism/ ORGANOPHOSPHORUS COMPOUNDS, urine/ PHOSPHONIC ACIDS administration & dosage/ PHOSPHONIC ACIDS, metabolism/ PHOSPHONIC ACIDS, urine/ PLANT GROWTH REGULATORS, administration & dosage/ *PLANT GROWT REGULATORS, metabolism/ PLANT GROW REGULATORS, urine/ PREGNANCY/ RUM metabolism

1509. **Guthrie RW, Boris A, Mullin JG, et al:** Preparatic some 7-oxaandrostane derivatives.
J Med Chem 16:257-62, Mar 73
ANABOLIC STEROIDS, chem synthesis/ ANABOLIC STEROIDS, pharmacodynamics/ ANDROGENS, chem synthesis/ ANDROGEN pharmacodynamics/ *ANDROSTANES, chem synthesis/ ANDROSTANES, pharmacodynan ANIMAL EXPERIMENTS/ FEMALE/

GONADOTROPINS, antagonists & inhibitors/ GROWTH, drug effects/ HETEROCYCLIC COMPOUNDS, chem synthesis/ HETEROCYCLIC COMPOUNDS, pharmacodynamics/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ OPTICAL ROTATORY DISPERSION/ RATS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ UTERUS, drug effects

Gwadz RW, Spielman A: Corpus allatum control of ovarian development in Aedes aegypti.
J Insect Physiol 19:1441-8, Jul 73
*AEDES, physiology/ ANIMAL EXPERIMENTS/ FEMALE/ OVARY, growth & development

Gwazdauskas FC, Thatcher WW, Wilcox CJ: Physiological, environmental, and hormonal factors at insemination which may affect conception.
J Dairy Sci 56:873-7, Jul 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *CATTLE, physiology/ *ENVIRONMENT/ ENVIRONMENTAL EXPOSURE/ ESTRUS/ FEMALE/ *FERTILIZATION/ HUMIDITY/ *INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ *PROGESTERONE, blood/ RECTUM/ SEASONS/ TEMPERATURE/ UTERUS

Gyde OH, Hirst AD, Howorth PJ: An improved method for the mechanised estimation of thyronine-iodine by the bromine-displacement technique.
Clin Chim Acta 45:443-7, 30 May 73
ARSENIC/ AUTOANALYSIS/ BROMINE/ CERIUM/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ *IODINE, blood/ IODINE ISOTOPES/ METHODS/ THYROID DISEASES, blood/ *THYRONINE, blood

Gylfe E, Hellman B, Sehlin J, et al: Amino acid conversion into 5-hydroxytryptamine in pancreatic beta-cells.
Endocrinology 93:932-7, Oct 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CENTRIFUGATION/ CHROMATOGRAPHY, THIN LAYER/ DANSYL COMPOUNDS/ FEMALE/ *HYDROXYTRYPTOPHAN, metabolism/ HYPERGLYCEMIA, metabolism/ IN VITRO/ *ISLANDS OF LANGERHANS, metabolism/ MALE/ MICE/ OBESITY, metabolism/ *SEROTONIN, biosynthesis/ SUCROSE/ TRITIUM/ *TRYPTOPHAN, metabolism/ ULTRACENTRIFUGATION/ ULTRASONICS

H

Haas RJ, Schreml W, Fliedner TM, et al: The effect of tritiated water on the development of the rat oocyte after maternal infusion during pregnancy.
Int J Radiat Biol 23:603-9, Jun 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ *MATERNAL-FETAL EXCHANGE/ *OVARY, growth & development/ OVULATION/ *OVUM, radiation effects/ PREGNANCY/ *RADIATION EFFECTS/ RATS/ *TRITIUM

Habel AH, Brown JK: Dexamethasone in herpes-simplex encephalitis.
Lancet 1:695, 25 Mar 72
CHILD, PRESCHOOL/ *DEXAMETHASONE, therapeutic use/ *ENCEPHALITIS, drug therapy/ FEMALE/ *HERPES SIMPLEX, drug therapy/ HUMAN/ INFANT/ MALE

Hachmeister U: Ultrastructural aspects of endocrine activity in "chromophobic" pituitary adenomas.
Acta Endocrinol [Suppl] (Kbh) 173:153, 1973
ADENOMA, CHROMOPHOBE, metabolism/ *ADENOMA, CHROMOPHOBE, pathology/ CYTOPLASMIC GRANULES/ GOLGI APPARATUS/ HUMAN/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, pathology/ PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS, metabolism/ *PITUITARY NEOPLASMS, pathology

1517. **Háčik T, Hocman G:** Modifikácia Van der Viesovej metódy na určenie kortizolu v l'udskej plazme.
Bratisl Lek Listy 60:175-81, Aug 73 (Slo)
ADULT/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *SPECTRUM ANALYSIS

1518. **Hackenberg K, Reinwein D:** Recurrence of thyrotoxicosis with regard to thyroid suppressibility after treatment with antithyroid drugs.
Acta Endocrinol [Suppl] (Kbh) 173:20, 1973
DEPRESSION, CHEMICAL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ *METHIMAZOLE, therapeutic use/ RECURRENCE/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, therapeutic use

1519. **Hadházy P:** Actions of glucagon and dibutyryl cyclic 3',5'-AMP on chronotropic responses to vagal stimulation and acetylcholine.
Pharmacology 9:285-93, 1973
ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, metabolism/ *ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ GANGLIA, drug effects/ *GLUCAGON, pharmacodynamics/ GUINEA PIGS/ HEART ATRIUM, drug effects/ HEART ATRIUM, metabolism/ *HEART RATE, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ MORPHINE, pharmacodynamics/ NERVE ENDINGS, drug effects/ NEURAL TRANSMISSION, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ TIME FACTORS/ VAGUS NERVE, drug effects/ *VAGUS NERVE, physiology

1520. **Hadjidimos A, Steingass U, Fischer F, et al:** The effects of dexamethasone on rCBF and cerebral vasomotor response in brain tumors. Preliminary communication.
Eur Neurol 10:25-30, 1973
*BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, physiopathology/ CARBON DIOXIDE, blood/ CEREBRAL ANEURYSM, physiopathology/ CEREBRAL ARTERIES, drug effects/ *CEREBROVASCULAR CIRCULATION, drug effects/ *DEXAMETHASONE, therapeutic use/ GLIOMA, physiopathology/ HUMAN/ HYPERVENTILATION, physiopathology/ MENINGIOMA, physiopathology/ NEOPLASM METASTASIS/ PARTIAL PRESSURE/ RESPIRATION, ARTIFICIAL/ *VASCULAR RESISTANCE, drug effects/ XENON

1521. **Haehling G von, Kugel E:** Symptomatischer und idiopathischer Chylothorax.
Med Klin 68:966-71, 20 Jul 73 (Ger)
ABNORMALITIES, complications/ ADULT/ AGED/ CHYLOTHORAX, diagnosis/ CHYLOTHORAX, drug therapy/ *CHYLOTHORAX, etiology/ CHYLOTHORAX, radiography/ CHYLOTHORAX, surgery/ DIET THERAPY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LANATOSIDES, therapeutic use/ LYMPHANGIOMA, complications/ LYMPHANGIOMA, surgery/ LYMPHATIC SYSTEM, abnormalities/ LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ PUNCTURES/ THORACIC DUCT, abnormalities/ THYMOMA, complications/ THYMOMA, radiotherapy/ THYMUS NEOPLASMS, complications

1522. **Haeusler G:** Activation of the central pathway of the baroreceptor reflex, a possible mechanism of the hypotensive action of clonidine.
Naunyn Schmiedebergs Arch Pharmacol 278:231-46,

1973
ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CATS/ CEREBELLUM, physiology/ CLONIDINE, antagonists & inhibitors/ *CLONIDINE, pharmacodynamics/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FEMALE/ HEART RATE, drug effects/ HYPOTHALAMUS, physiology/ MALE/ *PRESSORECEPTORS, drug effects/ SPLANCHNIC NERVES, drug effects/ STIMULATION, CHEMICAL/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ SYMPATHOLYTICS, pharmacodynamics

1523. **Haff RC:** Technical factors influencing morbidity in thyroid operations. Am J Surg 126:383-6, Sep 73
HEMATOMA, etiology/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, etiology/ *IATROGENIC DISEASE/ LARYNGEAL NERVES, injuries/ POSTOPERATIVE COMPLICATIONS/ SURGERY, OPERATIVE, adverse effects/ SURGICAL WOUND INFECTION/ *THYROID DISEASES, surgery/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY, adverse effects/ THYROIDITIS, surgery

1524. **Häfliger O, Hauser GA:** Therapieversuche mit Proviron bei Frigidität.
Ther Umsch 30:533-6, Jul 73 (Ger)
ANDROSTANES, pharmacodynamics/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ FEMALE/ *FRIGIDITY, drug therapy/ HUMAN/ LIBIDO, drug effects/ METHANE, pharmacodynamics/ METHANE, therapeutic use/ STANOLONE, pharmacodynamics/ *STANOLONE, therapeutic use

1525. **Hageman WE, Wentling DG, Pruss TP:** Interaction of vasoactive agents and micro-emboli on the pulmonary circulation. Eur J Pharmacol 22:295-303, Jun 73
AMINOPHYLLINE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BLOOD VESSELS, drug effects/ CYPROHEPTADINE, pharmacodynamics/ DEXTRO AMPHETAMINE, pharmacodynamics/ DOGS/ DRUG SYNERGISM/ *EMBOLISM/ HALLUCINOGENS, pharmacodynamics/ HISTAMINE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ *PULMONARY CIRCULATION, drug effects/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

1526. **Hager D, Pipeleers DG, Herchuelz A, et al:** Effect of fructose and other sugars on islet function in vitro.
Acta Med Scand [Suppl] 542:159-64, 1972
ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ DRUG SYNERGISM/ *FRUCTOSE, pharmacodynamics/ GALACTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, biosynthesis/ *INSULIN, metabolism/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ MANNOSE, pharmacodynamics/ PANCREAS, metabolism/ RATS/ RIBOSE, pharmacodynamics/ SORBITOL, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ XYLITOL, pharmacodynamics

1527. **Hagler L, Herman RH:** Oxalate metabolism. II.
Am J Clin Nutr 26:882-9, Aug 73 (115 ref.)
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, urine/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FOOD ANALYSIS/ HUMAN/ KIDNEY CALCULI, etiology/ KIDNEY CALCULI, metabolism/ KIDNEY TUBULES, physiology/ MAGNESI metabolism/ MALE/ METABOLIC CLEARANCE RATE/ NUTRITION/ OXALATES, analysis/ OXALATES, blood/ *OXALATES, metabolism/ OXALATES, toxicity/ OXALATES, urine/ PHOSPHORU metabolism/ REVIEW/ SULFUR, metabolis TRYPTOPHAN, metabolism

1528. **Hagler L, Hofeldt FD, Lufkin EG, et al:** Rea hypoglycemia. A clinical-physiologic approac diagnosis and treatment.
Rocky Mt Med J 70:41-6, Aug 73
BLOOD SUGAR, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ *HYPOGLYCE HYPOGLYCEMIA, diagnosis/ INSULIN, bic INSULIN, metabolism

1529. **Hahn GM, Bagshaw MA, Evans RG, et al:** Repa potentially lethal lesions in x-irradiated, density-inhibited Chinese hamster cells: meta effects and hypoxia. Radiat Res 55:280-90, Au
ANAEROBIOSIS/ ANOXIA/ BUFFERS/ CARBON ISOTOPES/ CELL LINE/ CELL SURVIVAL, radiation effects/ *CELLS, CULTURED, radiation effects/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP RADIATION/ HAMSTERS/ OVARY/ *RADIATION EFFECTS/ TIME FACTORS

1530. **Hähnel H, Lindenhayn K, Mühlbach R, et al:** Heparinosteopathie im Tierexperiment--ein Osteoporosemodell? Zum Einfluss von Heparin den Hydroxylapatit-, Zitrat- und Hydroxyprolinegehalt der Knochen von Rat unterschiedlichen Alters.
Z Alternsforsch 27:71-5, 1973 (
ANIMAL EXPERIMENTS/ BONE AND BO analysis/ CITRATES, analysis/ *DISEASE MODELS, ANIMAL/ *HEPARIN, adverse effects/ HYDROXYAPATITE, analysis/ HYDROXYPROLINE, analysis/ MALE/ *OSTEOPOROSIS, chemically induced/ RA

1531. **Haim S, Friedman-Birnbaum R:** Hormonal facto dermatitis herpetiformis. Report of two ca
Dermatologica 145:199-202, 1972
ADOLESCENCE/ ADULT/ *CONTRACEPTI ORAL, adverse effects/ DAPSONE, therap use/ *DERMATITIS HERPETIFORMIS, chemically induced/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ *PROGESTERONE, adve effects/ RECURRENCE/ REMISSION

1532. **Hait WN, Gorshein D, Besa EC, et al:** The effe steroid metabolites on the hematopoietic stem pool. J Pharmacol Exp Ther 186:656-61, Se
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ ERYTHROCYTES, metabolism/ ERYTHROPOIETIN, metabolism/ FEMALE/ *HEMATOPOIETIC STEM CELLS, drug effects/ HYDROXYSTEROIDS, pharmacodynamics/ IRON ISOTOPES/ KETOSTEROIDS, pharmacodynamics/ MICE OXYGEN, pharmacodynamics/ *PREGNANE pharmacodynamics/ RETICULOCYTES/ TIM FACTORS

1533. **Håkanson R, Liedberg G, Oscarson J:** Effec prostaglandin E1 on acid secretion, mucosal hista content and histidine decarboxylase activity i stomach. Br J Pharmacol 47:498-503, Mar
ANIMAL EXPERIMENTS/ *CARBOXY-LYA metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ *GASTRIC JU secretion/ GASTRIC MUCOSA, analysis/ GASTRIC MUCOSA, drug effects/ *GASTR MUCOSA, secretion/ *HISTAMINE, analysi HISTIDINE/ MALE/ PENTAGASTRIN, antagonists & inhibitors/ PROSTAGLANDI administration & dosage/ *PROSTAGLAND pharmacodynamics/ RATS/ *STOMACH, enzymology/ STOMACH, physiology/ TIME FACTORS

AUTHOR SECTION

Hale HB, Storm WF, Goldzieher JW, et al: Physiological cost in 36-and 48-hour simulated flights.
Aerosp Med 44:871-81, Aug 73
ADULT/ ALTITUDE/ ANALYSIS OF VARIANCE/ *AVIATION MEDICINE/ BIOLOGICAL CLOCKS/ CIRCADIAN RHYTHM/ CREATININE, urine/ HUMAN/ HUMIDITY/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ *MODELS, THEORETICAL/ PILOT PROJECTS/ POTASSIUM, urine/ PRESSURE/ SLEEP DEPRIVATION/ SODIUM, urine/ *STRESS/ STRESS, PSYCHOLOGICAL/ TIME FACTORS/ UREA, urine

Hale MS, Ruderman JE: Carpal tunnel syndrome associated with rubella immunization.
Am J Phys Med 52:189-94, Aug 73
ADULT/ ANKLE JOINT/ BETAMETHASONE, therapeutic use/ CARPAL TUNNEL SYNDROME, complications/ *CARPAL TUNNEL SYNDROME, etiology/ CARPAL TUNNEL SYNDROME, physiopathology/ EDEMA, drug therapy/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ JOINT DISEASES, etiology/ MEDIAN NERVE, physiopathology/ NEURAL CONDUCTION, drug effects/ PARESTHESIA, drug therapy/ PARESTHESIA, etiology/ *RUBELLA, prevention & control/ *VACCINATION, adverse effects

Haljamäe H, Waldman AA: Cation uptake by intact nuclei from rat cerebral cortex.
J Neurochem 20:1747-51, Jun 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ CEREBRAL CORTEX, cytology/ *CEREBRAL CORTEX, metabolism/ FEMALE/ *MAGNESIUM, metabolism/ *MANGANESE, metabolism/ PHOTOMETRY/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism

Hall CE, Ayachi S, Hall O: Effect of cortisol and cyproheptadine on anaphylactoid and arthritic responses of the rat to dextran.
Arch Int Pharmacodyn Ther 201:314-22, Feb 73
ACUTE DISEASE/ ANAPHYLAXIS, chemically induced/ *ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ ARTHRITIS, chemically induced/ *ARTHRITIS, drug therapy/ ARTHRITIS, prevention & control/ CHRONIC DISEASE/ *CYPROHEPTADINE, therapeutic use/ *DEXTRAN/ DEXTRAN, administration & dosage/ DISEASE MODELS, ANIMAL/ EDEMA, chem synthesis/ FEMALE/ HEMARTHROSIS, prevention & control/ HEMORRHAGE, prevention & control/ *HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAPERITONEAL/ RATS/ TIME FACTORS

Hall EV van: Gynaecologische aspecten van de menselijke vruchtbaarheid.
Ned Tijdschr Geneeskd 117:776-81, 19 May 73 (Dut)
BODY TEMPERATURE/ CERVIX MUCUS/ CERVIX UTERI, physiopathology/ FALLOPIAN TUBES, physiopathology/ FEMALE/ HUMAN/ OVARY, physiopathology/ OVULATION/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, physiopathology/ UTERINE DISEASES, complications/ VAGINA, physiopathology

Hall GA: Changes in the rat placenta following inoculation with Salmonella dublin.
Am J Pathol 72:103-18, Jul 73
*ABORTION, VETERINARY, etiology/ ANIMAL EXPERIMENTS/ FEMALE/ HEMORRHAGE, etiology/ METHODS/ *PLACENTA DISORDERS/ PLACENTA DISORDERS, pathology/ PREGNANCY/ RATS/ *SALMONELLA INFECTIONS, ANIMAL, complications

Hall JG: Thanatophoric dwarfism--maybe genetic but not polygenic. Pediatrics 52:469-70, Sep 73
*DWARFISM, familial & genetic/ HUMAN

1541. Hall R: Clinical applications of thyrotrophin-releasing hormone. Clin Sci 44:2P passim, Feb 73
ADULT/ FEMALE/ HUMAN/ HYPOTHALAMUS/ MALE/ PITUITARY DISEASES, diagnosis/ PITUITARY GLAND, drug effects/ *THYROID DISEASES, diagnosis/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, diagnostic use

1542. Hall R: Thyrotrophin releasing hormone and thyroid function. J Endocrinol 58:xxxv, Aug 73
DEPRESSION, drug therapy/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ PITUITARY DISEASES, diagnosis/ PITUITARY GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROTROPIN RELEASING FACTOR, therapeutic use

1543. Hall R: The immunoassay of thyroid-stimulating hormone and its clinical applications.
Clin Endocrinol (Oxf) 1:115-25, Jan 72 (53 ref.)
ACROMEGALY, blood/ CIRCADIAN RHYTHM/ COLD/ FEMALE/ GOITER, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INFANT, NEWBORN/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ METHODS/ PITUITARY HORMONE RELEASING FACTORS, secretion/ PREGNANCY/ RADIOIMMUNOASSAY/ REVIEW/ *THYROTROPIN, blood/ THYROTROPIN, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

1544. Hall R, Besser GM, Schally AV, et al: Action of growth-hormone-release inhibitory hormone in healthy men and in acromegaly.
Lancet 2:581-4, 15 Sep 73
ACROMEGALY, blood/ *ACROMEGALY, metabolism/ ADRENAL CORTEX HORMONES, secretion/ ADULT/ AMINO ACID SEQUENCE/ BLOOD SUGAR, analysis/ CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ FEMALE/ FSH, secretion/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ HYPOTHALAMUS, secretion/ LH, secretion/ MALE/ MIDDLE AGE/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PITUITARY HORMONES, ANTERIOR, blood/ PROLACTIN, secretion/ SHEEP/ SOMATOTROPIN, antagonists & inhibitors/ *SOMATOTROPIN, secretion/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ TIME FACTORS/ TISSUE EXTRACTS

1545. Hall WJ, Martin JD: Prostaglandin E1 and net water flow across isolated frog skin.
J Physiol (Lond) 232:85P-86P, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ EPINEPHRINE, pharmacodynamics/ FROGS/ IN VITRO/ *PROSTAGLANDINS, pharmacodynamics/ RANA TEMPORARIA/ *SKIN, drug effects/ SKIN, secretion/ SODIUM, physiology/ *WATER-ELECTROLYTE BALANCE, drug effects

1546. Hall WJ, O'Connor PC: The action of vasoactive drugs on longitudinal and circular muscle of dog mesenteric vein. J Pharm Pharmacol 25:109-18, Feb 73
ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ COCAINE, pharmacodynamics/ DOGS/ DRUG SYNERGISM/ GUANETHIDINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ *MESENTERIC VEINS, drug effects/ MICROSCOPY, FLUORESCENCE/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PROPRANOLOL, pharmacodynamics/

RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, pharmacodynamics

1547. **Hallauer W, Walloschek C, Schönstedt E:** Myxödematöser Perikardergubbnach Immunthyreoiditis.
Med Klin 68:1151-5, 7 Sep 73 (Ger)
AGED/ ATROPHY/ CHRONIC DISEASE/ CONSTIPATION, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HEART ENLARGEMENT, drug therapy/ HEART ENLARGEMENT, radiography/ HUMAN/ HYPERCHOLESTEREMIA, diagnosis/ HYPOTHYROIDISM, diagnosis/ JOINT DISEASES, diagnosis/ *MYXEDEMA, etiology/ *PERICARDIAL EFFUSION, etiology/ SKIN DISEASES, diagnosis/ STROPHANTHIN, therapeutic use/ *THYROIDITIS, complications

1548. **Hallgren HM, Buckley CE 3d, Gilbertsen VA, et al:** Lymphocyte phytohemagglutinin responsiveness, immunoglobulins and autoantibodies in aging humans.
J Immunol 111:1101-7, Oct 73
AGED/ *AGING/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ CAUCASIAN RACE/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION TESTS/ HUMAN/ *IMMUNOGLOBULINS, analysis/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ MIDDLE AGE/ *PLANT AGGLUTININS/ RHEUMATOID FACTOR, analysis/ TANNINS, pharmacodynamics/ THYROGLOBULIN

1549. **Hallowes RC, Lewis DJ:** Effect of hormones on DNA synthesis in explants from rat and human breast cancers.
Br J Cancer 28:76, Jul 73
ANIMAL EXPERIMENTS/ *BREAST NEOPLASMS, metabolism/ *DNA, NEOPLASM, biosynthesis/ FEMALE/ *HORMONES, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ ORGAN CULTURE/ RATS/ THYMIDINE

1550. **Halpern M:** Some connections of the telencephalon of the frog, Rana pipiens. An experimental study.
Brain Behav Evol 6:42-68, 1972
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ CORPUS STRIATUM, anatomy & histology/ DIENCEPHALON, anatomy & histology/ FROGS/ GENICULATE BODIES, anatomy & histology/ HIPPOCAMPUS, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ NERVE DEGENERATION/ NEURONS, EFFERENT/ OLFACTORY PATHWAYS, anatomy & histology/ RANA PIPIENS/ STAINS AND STAINING/ TEGMENTUM MESENCEPHALI, anatomy & histology/ *TELENCEPHALON, anatomy & histology/ THALAMUS, anatomy & histology

1551. **Hamazaki T:** Effect of adenosine3', 5'-monophosphate on thymidine kinase in tumor cells.
Gann 64:219-26, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION, drug effects/ FEMALE/ IN VITRO/ LIVER REGENERATION/ RATS/ *SARCOMA, YOSHIDA, enzymology/ *THYMIDINE KINASE, antagonists & inhibitors/ THYMIDINE KINASE, isolation & purification/ TRITIUM

1552. **Hamed HH:** A therapeutic evaluation to the pathogeneses of deep keratitis of obscure origin.
Bull Ophthalmol Soc Egypt 65:115-20, 1972
ASCORBIC ACID, therapeutic use/ CHLORAMPHENICOL, therapeutic use/ CORTISONE, therapeutic use/ DEXAMETHASONE, therapeutic use/ HUMAN/ *KERATITIS, drug therapy/ *KERATITIS, etiology/ KERATITIS, DENDRITIC, etiology/ OPHTHALMIC SOLUTIONS/ PREDNISOLONE, TOPICAL, therapeutic use/ STREPTOMYCIN, therapeutic use/ UVEITIS, complications

1553. **Hamet P, Kuchel O, Genest J:** L'excrétion de l'AM cyclique dans l'hypertension artérielle.
Union Med Can 102:805-11, Apr 73 (Fr
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, urine/ RADIOIMMUNOASSAY

1554. **Hammerstein J, Zielske F, Dsitler A, et al:** 17-Alpha-hydroxylase deficiency of the gonads a adrenals in a male pseudohermaphrodite.
Acta Endocrinol [Suppl] (Kbh) 173:76, 1973
ADOLESCENCE/ ADRENAL CORTEX HORMONES, urine/ *ADRENAL GLANDS, enzymology/ ALDOSTERONE, blood/ CORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, blood/ *GONAD enzymology/ HUMAN/ HYDROCORTISONE, blood/ *HYDROXYLASES, metabolism/ MAL *METABOLISM, INBORN ERRORS/ PSEUDOHERMAPHRODITISM, blood/ *PSEUDOHERMAPHRODITISM, enzymology/ PSEUDOHERMAPHRODITISM, urine/ SEX CHROMOSOMES/ TESTIS, growth & development/ TISSUE CULTURE

1555. **Hamon M, Bourgoin S, Glowinski J:** Feedbac regulation of 5-HT synthesis in rat striatal slic
J Neurochem 20:1727-45, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT pharmacodynamics/ ANIMAL EXPERIMENTS BUTYRATES, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DEPRESSION, CHEMICAL/ DIBENZAZEPINES, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ *GANGLIA, BASAL/ GEL FILTRATION/ HYDROXYINDOLEACETIC ACID, biosynthesis/ IN VITRO/ INDOLEACETIC ACID, biosynthesis/ KINETICS/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PARGYLIN pharmacodynamics/ PHENIPRAZINE, pharmacodynamics/ RATS/ *SEROTONIN, biosynthesis/ SEROTONIN, pharmacodynamic STIMULATION, CHEMICAL/ TRITIUM/ TRYPTAMINES, biosynthesis/ TRYPTOPHAN metabolism

1556. **Hamprecht B, Schultz J:** Stimulation by prostaglan E1 of adenosine 3':5'-cyclic monophosphate forma in neuroblastoma cells in the presence of phosphodiesterase inhibitors.
FEBS Lett 34:85-9, 1 Aug 73
ADENINE, metabolism/ *ADENOSINE CYCL 3',5' MONOPHOSPHATE, biosynthesis/ CARBON ISOTOPES/ CELL COUNT/ CLON CELLS/ MICE/ MUTATION/ NEUROBLASTOMA, enzymology/ NEUROBLASTOMA, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ THIOGUANINE/ TIME FACTORS/ XANTHINES, pharmacodynamics

1557. **Hanbauer I, Kopin IJ, Maengwyn-Davies GD, et** Effects of vinblastine on catecholamine-biosynth enzymes in heart, sympathetic ganglion and adr glands of rats.
Br J Pharmacol 48:106-12, May
ADRENAL GLANDS, drug effects/ *ADREN GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATALASE, pharmacodynamics/ *CATECHOLAMINES, biosynthesis/ DESIPRAMINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, metabolism/ GANGLIA, AUTONOMIC, drug effects/ *GANGLIA, AUTONOMIC, enzymology/ HEART, drug effects/ IN VITRO/ MALE/ METHYLTRANSFERASES, metabolism/ *MYOCARDIUM, enzymology/ NOREPINEPHRINE, metabolism/ PHENETHANOLAMINE N-METHYLTRANSFERASE/ RATS/ RESERPINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ TYROSINE, pharmacodynamics/ TYROSINE

HYDROXYLASE, metabolism/ *VINBLASTINE, pharmacodynamics

Hanefeld F, Crome L, France NE, et al: Congenital adrenal hyperplasia. Report of a case with neurological complications.
Arch Dis Child 48:554-9, Jul 73
*ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, drug therapy/ ADRENOGENITAL SYNDROME, pathology/ ATAXIA, complications/ ATROPHY, complications/ BRAIN, pathology/ BRAIN DISEASES, complications/ CEREBELLUM, pathology/ CEREBRAL CORTEX, pathology/ CEREBRAL SCLEROSIS, DIFFUSE, complications/ CORTISONE, therapeutic use/ DESOXYCORTICOSTERONE, therapeutic use/ FEMALE/ HUMAN/ INFANT/ MYOCLONUS, complications/ *NEUROLOGIC MANIFESTATIONS/ OCCIPITAL LOBE, pathology/ ORGAN WEIGHT/ SODIUM CHLORIDE, therapeutic use

Hanegan JL, Williams BA: Brain calcium: role in temperature regulation. Science 181:663-4, 17 Aug 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ CALCIUM, administration & dosage/ *CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ HEART RATE, drug effects/ *HYPOTHALAMUS, drug effects/ INFUSIONS, PARENTERAL/ OXYGEN CONSUMPTION, drug effects/ RESPIRATION, drug effects/ SQUIRRELS

Hanna C, Fraunfelder FT, Cable M, et al: The effect of ophthalmic ointments on corneal wound healing.
Am J Ophthalmol 76:193-200, Aug 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BORIC ACIDS, pharmacodynamics/ CHLOROBUTANOL, pharmacodynamics/ *CORNEA, drug effects/ CORNEA, pathology/ EPITHELIUM, drug effects/ EPITHELIUM, pathology/ EYE INJURIES, drug therapy/ LANOLIN, pharmacodynamics/ MICROSCOPY, ELECTRON/ MINERAL OIL, pharmacodynamics/ MONKEYS/ OINTMENTS/ OXYTETRACYCLINE, pharmacodynamics/ PETROLATUM, pharmacodynamics/ POLYMYXIN, pharmacodynamics/ RABBITS/ RATS/ TEARS/ TIME FACTORS/ *WOUND HEALING, drug effects

Hansson V, Djoseland O, Reusch E, et al: Intracellular receptors for 5alpha-dihydrostestosterone in the epididymis of adult rats. Comparison with the androgenic receptors in the ventral prostate and the androgen binding protein (ABP) in the testicular and epididymal fluid. Steroids 22:19-33, Jul 73
ANIMAL EXPERIMENTS/ BODY FLUIDS, metabolism/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ CYTOSOL, metabolism/ DRUG STABILITY/ EPIDIDYMIS, cytology/ *EPIDIDYMIS, metabolism/ GEL FILTRATION/ HEAT/ MACROMOLECULAR SYSTEMS/ MALE/ *PROSTATE, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STANOLONE, metabolism/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

Hanzlik J, Ilenda M: Przypadek apatycznej postaci choroby Gravesa-Basedowa z nadczynnością tarczycy.
Wiad Lek 26:1449-51, 1 Aug 73 (Pol)
*DEPRESSION, complications/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE

Hapke HJ: Prostaglandine: körpereigene Stoffe und mögliche Arzneimittel.
Dtsch Tieraerztl Wochenschr 80:237-40, 15 May 73 (4 ref.) (Ger)
ANIMAL EXPERIMENTS/ CHEMISTRY/ FEMALE/ HUMAN/ MALE/ MONKEYS/ NOMENCLATURE/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, pharmacodynamics/ RATS/ REVIEW/ SHEEP/ UTERUS, drug effects

1564. **Hara M, Kitabatake T:** [Late side effects of radioactive iodine therapy in hyperthyroidism]
Jap J Clin Radiol 48:527-41, Aug 73 (122 ref.) (Jap)
ADULT/ AGE FACTORS/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, etiology/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOPARATHYROIDISM, etiology/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, occurrence/ IODINE ISOTOPES, administration & dosage/ *IODINE ISOTOPES, adverse effects/ IODINE ISOTOPES, therapeutic use/ LEUKEMIA, etiology/ MALE/ NEOPLASMS, RADIATION-INDUCED/ ORGAN WEIGHT/ RADIATION EFFECTS/ RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ REVIEW/ SEX FACTORS/ THYROID GLAND, radiation effects/ THYROID NEOPLASMS, etiology

1565. **Harary I, Hoover F, Farley B:** Catecholamine and dibutyryl cyclic AMP effects on myosin adenosine triphosphatase in cultured rat heart cells.
Science 181:1061-3, 14 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, metabolism/ BUTYRATES/ CATECHOLAMINES, antagonists & inhibitors/ *CATECHOLAMINES, pharmacodynamics/ DICHLOROISOPROTERENOL, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *MYOCARDIUM, enzymology/ *MYOSIN, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS

1566. **Harcus AW:** Ovarian cancer clinical survey.
Postgrad Med J 49:81-2, Feb 73
CLINICAL RESEARCH/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ QUALITY OF HEALTH CARE/ RESEARCH DESIGN

1567. **Harding JD, Done JT, Harbourne JF, et al:** Congenital tremor type A 3 in pigs: an hereditary sex-linked cerebrospinal hypomyelinogenesis.
Vet Rec 92:527-9, 19 May 73
ANIMAL EXPERIMENTS/ BRAIN, abnormalities/ BRAIN, pathology/ FEMALE/ GENES/ MALE/ MYELIN SHEATH/ NEUROGLIA/ SEX CHROMOSOMES/ SPINAL CORD, abnormalities/ SWINE/ *SWINE DISEASES, congenital/ SWINE DISEASES, familial & genetic/ TREMOR, congenital/ TREMOR, familial & genetic/ *TREMOR, veterinary

1568. **Hargrove JL, Seeley RR, Ellis LC:** Contractions of rabbit testes in vitro: permissive role of prostaglandins for the actions of calcium and some smooth-muscle stimulating agents. Prostaglandins 3:469-80, Apr 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ ERGOTAMINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TARTRATES/ *TESTIS, drug effects

1569. **Harik SI, Pasternak GW, Snyder SH:** An enzymatic-isotopic microassay for putrescine.
Biochim Biophys Acta 304:753-64, 28 May 73

ANIMAL EXPERIMENTS/ BIOGENIC AMINES, isolation & purification/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ CARBOXY-LYASES/ CARBOXY-LYASES, isolation & purification/ CARBOXY-LYASES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ HEART, analysis/ KIDNEY, analysis/ LIVER, analysis/ LIVER, enzymology/ LIVER REGENERATION/ MALE/ METHODS/ MICE/ MICROCHEMISTRY/ ORNITHINE/ PROSTATE, analysis/ *PUTRESCINE, analysis/ RATS/ SACCHAROMYCES CEREVISIAE, enzymology/ SPLEEN, analysis/ TESTIS, analysis/ TRITIUM

1570. **Harms PG, Ojeda SR, McCann SM:** Prostaglandin involvement in hypothalamic control of gonadotropin and prolactin release. Science 181:760-1, 24 Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ CEREBRAL VENTRICLES/ FEMALE/ *FSH, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMUS, physiology/ INJECTIONS/ *LH, blood/ PITUITARY GLAND/ *PROLACTIN, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RADIOIMMUNOASSAY/ RATS

1571. **Harper MJ, Skarnes RC:** Inhibition of abortion and fetal death produced by endotoxin or prostaglandin F2alpha. Prostaglandins 2:295-309, Oct 72
*ABORTION, INDUCED/ *ABORTION, THREATENED, prevention & control/ ANIMAL EXPERIMENTS/ CYPROHEPTADINE, pharmacodynamics/ DIARRHEA, chemically induced/ *ENDOTOXINS, antagonists & inhibitors/ FEMALE/ FETAL DEATH, chemically induced/ FETAL DEATH, prevention & control/ IPRONIAZID, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ MICE/ NOREPINEPHRINE, pharmacodynamics/ OVARY, physiology/ PREGNANCY/ *PROGESTERONE, therapeutic use/ *PROSTAGLANDINS, antagonists & inhibitors/ SALMONELLA ENTERITIDIS/ SEROTONIN, pharmacodynamics

1572. **Harrell EH, Remley NR:** The immediate development of behavioral and biochemical changes following ventromedial hypothalamic lesions in rats.
Behav Biol 9:49-63, Jul 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ APPETITE REGULATION/ *BEHAVIOR, ANIMAL/ BLOOD SUGAR/ BODY WEIGHT/ *EATING/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ *HYPOTHALAMUS, physiology/ LIPID MOBILIZATION, drug effects/ *METABOLISM/ NEURAL INTERCONNECTIONS, physiology/ RATS/ STEREOTAXIC TECHNICS

1573. **Harrer G, Fischbach R:** Uber die Wirkung bestimmter Aminosäuren auf das Ergebnis des Uberwärmungstests bei Multiple-Sklerose-Kranken.
J Neural Transm 34:205-14, 1973 **(Ger)**
*AMINO ACIDS, pharmacodynamics/ ASPARAGINE, pharmacodynamics/ *BODY TEMPERATURE/ ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ FEMALE/ *FLICKER FUSION, drug effects/ GLUTAMINE, pharmacodynamics/ HUMAN/ MALE/ MULTIPLE SCLEROSIS, metabolism/ *MULTIPLE SCLEROSIS, physiopathology/ *NEURAL TRANSMISSION/ NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ TRYPTOPHAN, pharmacodynamics/ TYROSINE, pharmacodynamics

1574. **Harri MN, Puuska M:** Hormonal control of fat metabolism in the frog, Rana temporaria.
Gen Comp Endocrinol 21:129-37, Aug 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FROGS/ GLUCAGON, pharmacodynamics/ GLYCERIN, blood/ *HORMONES, pharmacodynamics/ INSULIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LIPID MOBILIZATION/ *LIPIDS, metabolism/ MALE/ METHYSERGIDE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RANA TEMPORARIA/ SEROTONIN, pharmacodynamics/ THYROXINE, pharmacodynamics/ TIME FACTORS

1575. **Harris AB, Hartley J, Moor A:** Reduced ascorbic-aci excretion and oral contraceptives.
Lancet 2:201-2, Jul 73
ADULT/ ASCORBIC ACID, blood/ *ASCORBIC ACID, urine/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN

1576. **Harris M, Hopkin JM, Neal MJ:** Effect of centrall acting drugs on the uptake of gamma-aminobutyri acid (GABA) by slices of rat cerebral corte
Br J Pharmacol 47:229-39, Feb 73
ALANINE, metabolism/ *AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BUTYROPHENONES, pharmacodynamics/ CEREBRAL CORTEX, dru effects/ *CEREBRAL CORTEX, metabolism/ GLYCINE, metabolism/ IN VITRO/ KINETICS NOREPINEPHRINE, metabolism/ PHENOTHIAZINES, pharmacodynamics/ RATS, SEROTONIN, metabolism/ SYNAPSES, drug effects/ TRITIUM

1577. **Harris PJ, Munday KA, Noble AR, et al:** Relationshi between renin activity and concentration; applicatio of a direct renin assay following partial renal arter occlusion. J Physiol (Lond) 232:70P-71P, Jul 7
ANIMAL EXPERIMENTS/ CONSTRICTION/ DOGS/ IMMUNOELECTROPHORESIS/ RENAL ARTERY/ RENAL ARTERY OBSTRUCTION/ *RENIN, blood/ RENIN, metabolism/ RENIN, secretion

1578. **Harrison HE:** Oncogenous rickets: possible elaboratio by a tumor of a humoral substance inhibiting tubula reabsorption of phosphate.
Pediatrics 52:432-4, Sep 73 (8 ref.)
CALCIUM, blood/ CHILD/ GLYCINE, metabolism/ GROWTH DISORDERS/ HUMAN/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, PROXIMAL, drug effects/ *NEOPLASMS, complications/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, antagonists & inhibitors/ *PHOSPHATES, metabolism/ REVIEW/ *RICKETS, etiology/ THYROCALCITONIN, pharmacodynamics

1579. **Harrison JE, McHattie JD, Ligon IR, et al:** Effect o medium chain triglyceride on fecal calcium losses i pancreatic insufficiency.
Clin Biochem 6:136-40, Jun 73
*CALCIUM, metabolism/ *DIETARY FATS/ FECES, drug effects/ *FECES, metabolism/ HUMAN/ LIPIDS, metabolism/ MAGNESIUM, metabolism/ MOLECULAR WEIGHT/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PANCREATIC DISEASES, complications/ *PANCREATIC DISEASES, metabolism/ PHOSPHORUS, metabolism/ SPRUE, etiology/ SPRUE, metabolism/ TIME FACTORS/ *TRIGLYCERIDES, pharmacodynamics

1580. **Hart BL, Barrett RE:** Effects of castration on fighting roaming, and urine spraying in adult male cats
J Am Vet Med Assoc 163:290-2, 1 Aug 73
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *CASTRATION, veterinary/ *CATS/ MALE/ SEX BEHAVIOR, ANIMAL/ TERRITORIALITY/ URINE

1581. **Hart DE, Betz TW:** On the pars distalis hormon activities involved in spleen development in chicke embryos. J Embryol Exp Morphol 29:239-44, Feb 7
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHICK EMBRYO/ HYPOPHYSECTOMY/ ORGAN WEIGHT/ PITUITARY GLAND, transplantation/ *PITUITARY HORMONES,

physiology/ *SPLEEN, embryology/ TRANSPLANTATION, HOMOLOGOUS

Hartemann P, Belleville F, Paysant P, et al: Formes moléculaires de l'hormone de croissance humaine (HGH): comparaison entre les formes trouvées in vivo, l'HGH purifiée et l'HGH sécrétée par des cellules d'adénohypophyse en culture.
C R Soc Biol (Paris) 166:1481-5, 1972 **(Fre)**
CELLS, CULTURED/ CHROMATOGRAPHY/ FETUS/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR CONFORMATION/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ *SOMATOTROPIN

Hartiala J, Nienstedt W, Hartiala K: Testosterone metabolism in dog lung in vitro.
Steroids Lipids Res 4:17-23, 1973
ANDROSTENEDIONE, biosynthesis/ ANDROSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYTOSOL, metabolism/ DOGS/ HYDROXYSTEROIDS, biosynthesis/ KETOSTEROIDS, biosynthesis/ LUNG, cytology/ *LUNG, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *TESTOSTERONE, metabolism

Hartmann F, Oltmann A, Simon-Holtorf G: Messung der Steroidausscheidung bei Ratten unter einer ACTH-Medikation zur Erzeugung einer experimentellen Atheromatose.
Verh Dtsch Ges Inn Med 78:1227-9, 1972 **(Ger)**
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, chemically induced/ ARTERIOSCLEROSIS, urine/ *CORTICOSTERONE, urine/ CORTICOTROPIN/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ RATS

Hartmann PE, Kronfeld DS: Mammary blood flow and glucose uptake in lactating cows given dexamethasone. J Dairy Sci 56:896-902, Jul 73
ANIMAL EXPERIMENTS/ ANTIPYRINE, metabolism/ BLOOD SUGAR, analysis/ CALCIUM, blood/ *CATTLE, metabolism/ CATTLE, physiology/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GLUCOSE, metabolism/ HEMATOCRIT/ HYDROXYBUTYRATES, blood/ INJECTIONS, INTRAMUSCULAR/ LACTATES, blood/ *LACTATION/ MAGNESIUM, blood/ PREGNANCY/ REGIONAL BLOOD FLOW/ *UDDER, blood supply/ UDDER, drug effects/ UDDER, metabolism

Hartwich G, Schwabel HJ, Sailer D, et al: Untersuchungsergebnisse bei 50 Patienten mit Panmyelopathie.
Med Klin 68:765-71, 8 Jun 73 **(Ger)**
ANABOLIC STEROIDS, therapeutic use/ ANEMIA, APLASTIC, chemically induced/ *ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/ ANEMIA, APLASTIC, mortality/ ANEMIA, APLASTIC, therapy/ BLOOD CELL COUNT/ BLOOD TRANSFUSION/ CHLORAMPHENICOL, adverse effects/ ENGLISH ABSTRACT/ ERYTHROCYTES/ FEMALE/ FOLLOW-UP STUDIES/ GERMANY, WEST/ GLUCOCORTICOIDS, therapeutic use/ HEMOSTATICS, therapeutic use/ HEPATITIS, complications/ HUMAN/ MALE/ MUMPS, complications/ PHENYLBUTAZONE, adverse effects/ PLASMA/ SULFONAMIDES, adverse effects/ TETRACYCLINE, adverse effects/ TIME FACTORS/ TUBERCULOSIS, complications

Harwood JP, Löw H, Rodbell M: Stimulatory and inhibitory effects of guanyl nucleotides on fat cell adenylate cyclase. J Biol Chem 248:6239-45, 10 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CATALYSIS/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CORTICOTROPIN, pharmacodynamics/ ENZYME ACTIVATION/ EPIDIDYMIS/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GUANINE NUCLEOTIDES, pharmacodynamics/ GUANINE NUCLEOTIDES, physiology/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ INOSINE NUCLEOTIDES, pharmacodynamics/ MALE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ URACIL NUCLEOTIDES, pharmacodynamics

1588. **Hasan SH, Neumann F, Schenck B:** Long-term effect of cyproterone on testosterone levels in male rats.
Acta Endocrinol [Suppl] (Kbh) 173:119, 1973
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CYPROTERONE, pharmacodynamics/ MALE/ ORGAN WEIGHT/ *PREGNADIENES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ TESTIS, drug effects/ *TESTOSTERONE, blood

1589. **Hasan SH, Weber B, Neumann F, et al:** Plasma testosterone levels in childhood and puberty, measured by radioimmunoassay.
Acta Endocrinol [Suppl] (Kbh) 173:168, 1973
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, blood/ ADRENALECTOMY/ ADULT/ AGE FACTORS/ CARCINOMA, blood/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, PITUITARY, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ *PUBERTY/ PUBERTY, PRECOCIOUS, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTOSTERONE, blood

1590. **Hashimoto K, Kimura T, Kubota K:** Study of the therapeutic and toxic effects of ouabain by simultaneous observations on the excised and blood-perfused sinoatrial node and papillary muscle preparations and the in situ heart of dogs.
J Pharmacol Exp Ther 186:463-71, Sep 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANESTHESIA/ ANIMAL EXPERIMENTS/ DOGS/ ELECTROCARDIOGRAPHY/ *HEART, drug effects/ HEART RATE, drug effects/ LETHAL DOSE 50/ MORPHINE, pharmacodynamics/ *MUSCLES, drug effects/ *OUABAIN/ OUABAIN, pharmacodynamics/ OUABAIN, therapeutic use/ OUABAIN, toxicity/ PAPILLARY MUSCLES, drug effects/ PENTOBARBITAL, pharmacodynamics/ PERFUSION/ *SINO-ATRIAL NODE, drug effects/ TACHYCARDIA, chemically induced/ TIME FACTORS/ URETHANE, pharmacodynamics/ VENTRICULAR FIBRILLATION, chemically induced

1591. **Hatziotis JC, Constantinidou H, Papanayotou PH:** Metastatic tumors of the oral soft tissues. Review of the literature and report of a case.
Oral Surg 36:544-50, Oct 73 (48 ref.)
ADULT/ CASE REPORT/ FEMALE/ GINGIVAL NEOPLASMS/ HUMAN/ *MOUTH NEOPLASMS/ MOUTH NEOPLASMS, etiology/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, complications/ REVIEW/ TONGUE NEOPLASMS

1592. **Haubrich DR, Perez-Cruet J, Reid WD:** Prostaglandin E1 causes sedation and increases 5-hydroxytryptamine turnover in rat brain.
Br J Pharmacol 48:80-7, May 73
ACETYLCHOLINE, metabolism/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ HYDROXYINDOLEACETIC ACID, metabolism/

*HYPNOTICS AND SEDATIVES, pharmacodynamics/ MALE/ MUSCLE TONUS, drug effects/ PARGYLINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS

1593. **Haug E, Torjesen P:** Effect of synthetic luteinizing hormone- and follicle stimulating hormone-releasing hormone (LH-FSH-RH) on serum levels of LH, FSH, thyrotrophin (TSH) and growth hormone (HGH) in normal male subjects.
Acta Endocrinol (Kbh) 73:465-74, Jul 73
ADULT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH/ *FSH, blood/ GONADOTROPINS, CHORIONIC/ HUMAN/ IMMUNE SERUMS/ LH/ *LH, blood/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ *THYROTROPIN, blood

1594. **Haug M:** Mise en évidence d'une odeur liée à l'allaitement et stimulant l'agressivité d'un groupe de souris femelles.
C R Acad Sci [D] (Paris) 276:3457-60, 25 Jun 73 **(Fre)**
*AGGRESSION/ BEHAVIOR, ANIMAL/ *LACTATION/ *ODORS/ TIME FACTORS

1595. **Haumont S, Ngoma Z:** Histochimie des lipides dans l'os compact humain.
Acta Orthop Belg 39:460-70, Mar-Apr 73 **(Fre)**
*BONE AND BONES, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ HUMAN/ LIPIDS, analysis/ *LIPIDS, metabolism/ MICRORADIOGRAPHY

1596. **Hauptmann E, Crepinko I, Skrabalo Z:** Aspirationscytologie der Schilddrüse.
Verh Dtsch Ges Inn Med 78:249-53, 1972 **(Ger)**
BIOPSY, NEEDLE/ CYTODIAGNOSIS/ HUMAN/ THYROID DISEASES, diagnosis/ *THYROID NEOPLASMS, diagnosis

1597. **Hauser GA:** Das Oversuppression-Syndrom.
Ther Umsch 30:491-5, Jul 73 **(Ger)**
ADULT/ *AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVULATION, drug effects/ SYNDROME/ TIME FACTORS

1598. **Haustein UF, Barthelmes H, Sönnichsen N:** Zur pathogenetischen Bedeutung von "Autoantikörpern" bei NZB-W-Hybrid-Mäusen. II. Morphologische Untersuchungen.
Acta Biol Med Ger 30:265-73, 1973 **(Ger)**
ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ AUTOIMMUNE DISEASES, immunology/ *AUTOIMMUNE DISEASES, pathology/ ENGLISH ABSTRACT/ FEMALE/ GLOMERULONEPHRITIS, pathology/ HISTOCYTOCHEMISTRY/ HYBRIDIZATION/ *LEUKEMIA, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ LYMPHOSARCOMA, pathology/ MALE/ MICE/ MICE, INBRED NZB/ MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ MOUSE LEUKEMIA VIRUSES, isolation & purification/ MYOCARDITIS, pathology/ MYOSITIS, pathology/ SARCOMA, RETICULUM CELL, pathology/ SLOW VIRUS DISEASES, pathology/ THYMOMA, pathology/ THYMUS NEOPLASMS, pathology

1599. **Havard CW:** Progress in myasthenia gravis.
Br Med J 3:437-40, 25 Aug 73 (33 ref.)
ACETYLCHOLINE, biosynthesis/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ BRONCHIAL NEOPLASMS, diagnosis/ CARCINOMA, OAT CELL, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GUINEA PIGS/ HUMAN/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ *MYASTHENIA GRAVIS/ MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, immunology/ MYASTHENIA GRAVIS, metabolism/ MYASTHENIA GRAVIS, occurrence/ MYASTHENIA GRAVIS, therapy/ NEOSTIGMINE, therapeutic use/ NEUROMUSCULAR JUNCTION, metabolism/ PREOPERATIVE CARE/ RATS/ REVIEW/ THYMECTOMY/ THYMUS NEOPLASMS, complications

1600. **Havránek F, Jungmannová C, Hodr J, et al:** Použi prostaglandinu F 2alpha k přerušení těhotenst prvního a druhého trimestru.
Česk Gynekol 38:432-5, Jul 73 **(Cz**
*ABORTION, INDUCED/ *ABORTION, THERAPEUTIC/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS

1601. **Hawking F:** The responses to various stimuli microfilariae of Dirofilaria corynodes, of Dipetalonema marmosetae and of unidentified species of filariae in Saimiri sciureus and Cacaja monkeys. Int J Parasitol 3:433-9, May 73
ACANTHOCHEILONEMA, drug effects/ *ACANTHOCHEILONEMA, physiology/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANOXIA, veterinary/ BODY TEMPERATURE/ *DIROFILARIASIS, veterinary/ FILARIASIS, veterinary/ FILARIOIDEA, drug effects/ *FILARIOIDEA, physiology/ MACACA/ MALE *MONKEY DISEASES/ MONKEYS/ *NEMATODE INFECTIONS, veterinary/ OXYGEN, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TEMPERATURE

1602. **Hayakawa S:** Microbiological transformation of bil acids. Adv Lipid Res 11:143-92, 1973 (145 ref
AEROBACTER, metabolism/ ALCALIGENES, metabolism/ ANAEROBIOSIS/ ANDROSTENEDIONE, metabolism/ ARTHROBACTER, metabolism/ BACILLUS, metabolism/ *BILE ACIDS AND SALTS, metabolism/ CHOLESTEROL, metabolism/ CHOLIC ACID, metabolism/ CLOSTRIDIUM, metabolism/ CORTICOSTERONE, metabolism/ CORYNEBACTERIUM, metabolism/ DEOXYCHOLIC ACID, metabolism/ ESCHERICHIA, metabolism/ HYDROLYSIS/ *INTESTINES, microbiology/ KLEBSIELLA, metabolism/ LACTOBACILLUS, metabolism/ LITHOCHOLIC ACID, metabolism/ OXIDATION-REDUCTION/ PROGESTERONE, metabolism/ PROTEUS, metabolism/ PSEUDOMONAS, metabolism/ REVIEW/ STREPTOCOCCUS, metabolism/ STREPTOMYCES, metabolism

1603. **Hayashi Y, Takizawa H, Igarashi M, et al:** [Aging of th bone--changes in collagen in the senile osteoporoti bone]
Jap J Geriatr 10:185-90, May 73 **(Jap**
ADOLESCENCE/ ADULT/ AGED/ *AGING/ *BONE AND BONES, analysis/ *COLLAGEN, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, metabolism

1604. **Hayashida T, Licht P, Nicoll CS:** Amphibian pituitar growth hormone and prolactin: immunochemica relatedness to rat growth hormone.
Science 182:169-71, 12 Oct 73
AMBYSTOMA/ *AMPHIBIA/ ANIMAL EXPERIMENTS/ *ANTIGENIC DETERMINANTS/ BUFO/ BUFO MARINUS/ CATTLE/ CROSS REACTIONS/ FROGS/ HORSES/ MONKEYS, immunology/ *PROLACTIN/ RADIOIMMUNOASSAY/ RANA CATESBEIANA/ RANA PIPIENS/ *RATS/ SALAMANDERS/ *SOMATOTROPIN/ SPECIES SPECIFICITY/ SWINE

1605. **Hayduk K, Kaufmann W:** Ektope paraneoplastisch Endokrinopathien mit Störungen des Wasser- un Elektrolythaushaltes.
Klin Wochenschr 51:361-76, 15 Apr 73 (183 ref.) (Ger
ADOLESCENCE/ BRONCHIAL NEOPLASMS, complications/ CARCINOMA, OAT CELL,

complications/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *HORMONES, ECTOPIC, secretion/ HUMAN/ HYPERALDOSTERONISM, etiology/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ *HYPONATREMIA, etiology/ KIDNEY NEOPLASMS, complications/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, therapy/ RENIN, secretion/ REVIEW/ SODIUM CHLORIDE, therapeutic use/ SYNDROME/ *VASOPRESSIN, secretion

Hayek A, Driscoll SG, Warshaw JB: Endocrine studies in anencephaly. J Clin Invest 52:1636-41, Jul 73
*ANENCEPHALUS, blood/ BLOOD SUGAR, metabolism/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ INSULIN, diagnostic use/ LYSINE/ MALE/ PROLACTIN, blood/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use

Hayes DM, Hunter RJ: Androblastoma of the ovary with heterotopic elements. J Pathol 109:267-70, Mar 73
ADULT/ AMENORRHEA, etiology/ *ARRHENOBLASTOMA, complications/ ARRHENOBLASTOMA, pathology/ *CHORISTOMA, complications/ FEMALE/ HUMAN/ KIDNEY FUNCTION TESTS/ OVARIAN CYSTS/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology

Hayes TJ, Bailer J, Mitrovic M: The chemotherapeutic activity of selected fasciolicides against immature Fasciola hepatica in mice. Experientia 29:899-900, 1973
ACETAMIDES, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTHELMINTICS, therapeutic use/ ANTHELMINTICS, toxicity/ CHLORINE, therapeutic use/ *ETHYL ETHER, therapeutic use/ EVALUATION STUDIES/ *FASCIOLA HEPATICA, drug effects/ *FASCIOLOPSIS, drug effects/ IODINE, therapeutic use/ MALE/ MICE/ NITRILES, therapeutic use/ *NITROPHENOLS, therapeutic use/ PHENOLS, therapeutic use/ *SALICYLAMIDES, therapeutic use/ *TREMATODE INFECTIONS, drug therapy

Haymovits A, Rosen JF: Calcitonin in metabolic disorders. Adv Metab Disord 60:177-212, 1972 (22 ref.)
BONE AND BONES, cytology/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CATTLE/ GASTROINTESTINAL SYSTEM, physiology/ GROWTH/ HOMEOSTASIS/ HUMAN/ HYPOCALCEMIA, etiology/ IMMUNOCHEMISTRY/ KIDNEY, physiology/ MAGNESIUM, physiology/ OSTEOPETROSIS, etiology/ PSEUDOHYPOPARATHYROIDISM, etiology/ REVIEW/ SHEEP/ SPECIES SPECIFICITY/ SWINE/ THYROCALCITONIN, blood/ THYROCALCITONIN, isolation & purification/ THYROCALCITONIN, metabolism/ *THYROCALCITONIN, physiology/ THYROCALCITONIN, secretion/ THYROCALCITONIN, therapeutic use/ THYROCALCITONIN, urine/ THYROID DISEASES, etiology

Haynes NB, Cooper KJ, Kay MJ: Plasma progesterone concentration in the hen in relation to the ovulatory cycle. Br Poult Sci 14:349-57, Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHICKENS, physiology/ FEMALE/ METHODS/ *OVULATION/ *PROGESTERONE, blood/ PROTEIN BINDING/ TIME FACTORS/ TRITIUM

Hayward J: Hormones and the aetiology of human breast cancer. Guys Hosp Rep 121:51-61, 1972 (61 ref.)
ADRENAL CORTEX HORMONES, urine/ ADULT/ ANDROGENS, urine/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, occurrence/ CHANNEL ISLANDS/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ ESTROGENS, secretion/ ESTROGENS, therapeutic use/ ETIOCHOLANOLONE, urine/ FEMALE/ *HORMONES, secretion/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PARITY/ REVIEW/ TRYPTOPHAN, metabolism

1612. **Hayward JN, Jennings DP:** Osmosensitivity of hypothalamic magnocellular neuroendocrine cells to intracarotid hypertonic D-glucose in the waking monkey. Brain Res 57:467-72, 27 Jul 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CHEMORECEPTORS, drug effects/ *GLUCOSE, pharmacodynamics/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRA-ARTERIAL/ MACACA/ MONKEYS/ NEURONS, drug effects/ NEURONS, physiology/ *OSMOLAR CONCENTRATION/ WAKEFULNESS

1613. **Hayward JN, Jennings DP:** Influence of sleep-waking and nociceptor-induced behavior on the activity of supraoptic neurons in the hypothalamus of the monkey. Brain Res 57:461-6, 27 Jul 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ AROUSAL/ CHEMORECEPTORS, physiology/ ELECTROENCEPHALOGRAPHY/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ MONKEYS/ NEURONS, physiology/ OSMOLAR CONCENTRATION/ *PAIN/ PITUITARY GLAND, POSTERIOR, secretion/ *SLEEP/ *VASOPRESSIN, secretion/ *WAKEFULNESS/ *WATER-ELECTROLYTE BALANCE

1614. **Hazato H, Yamamoto T, Tadokoro I, et al:** [Josamycin propionate. 4. Toxicity]
Jap J Antibiot 26:136-47, Apr 73 (Jap)
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, administration & dosage/ *ANTIBIOTICS, toxicity/ BODY WEIGHT, drug effects/ BONE MARROW, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HEART, drug effects/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, drug effects/ LACTONES, toxicity/ LETHAL DOSE 50/ LIVER, drug effects/ LUNG, drug effects/ MALE/ MICE/ ORGAN WEIGHT/ OVARY, drug effects/ PANCREAS, drug effects/ PROPIONATES, toxicity/ RATS/ STOMACH, drug effects/ TESTIS, drug effects

1615. **Hazzaa AA, Omar AM, Ragab ME:** Further utilization of thiourea derivatives in the synthesis of new 1-substituted amino-3-methyl(or phenyl)-6.7-dimethoxy-3.4-dihydroisoquinolines. 5. The cyclodesulphurization of thio-compounds. Pharmazie 28:364-6, Jun 73
AMINES/ CHEMISTRY/ *ISOQUINOLINES, chem synthesis/ METHYLATION/ PHENOLS/ *THIOUREA

1616. **Heacock RA, Powell WS:** Adrenochrome and related compounds. Prog Med Chem 9:275-339, 1972 (436 ref.)
*ADRENOCHROME/ ADRENOCHROME, biosynthesis/ ADRENOCHROME, chem synthesis/ ADRENOCHROME, pharmacodynamics/ ADRENOCHROME, therapeutic use/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CHEMISTRY/ CHROMATOGRAPHY/ EPINEPHRINE, metabolism/ ERYTHROBLASTOSIS, FETAL, drug therapy/ HALLUCINOGENS/ HUMAN/ INFRARED RAYS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ PREGNANCY/ RADIATION-PROTECTIVE AGENTS/ REVIEW/ SPECTRUM ANALYSIS/ ULTRAVIOLET RAYS

1617. **Hecht NB:** Interconvertibility of mouse DNA polymerase activities derived from the nucleus and cytoplasm. Biochim Biophys Acta 312:471-83, 13 Jul 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYTOPLASM, enzymology/ DIALYSIS/ DNA/ DNA NUCLEOTIDYL- TRANSFERASES, isolation & purification/ *DNA NUCLEOTIDYL- TRANSFERASES, metabolism/ GEL FILTRATION/ MALE/ MICE/ MICE, INBRED STRAINS/ MITOCHONDRIA, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTIS, cytology/ TESTIS, enzymology/ TRITIUM

1618. **Heesen D, Mies R, Winkelmann W:** The effect of chlorpromazine on plasma growth hormone levels in acromegaly.
Acta Endocrinol [Suppl] (Kbh) 173:102, 1973
*ACROMEGALY, blood/ ACROMEGALY, diagnosis/ ACROMEGALY, metabolism/ CATECHOLAMINES, metabolism/ CHLORPROMAZINE, diagnostic use/ *CHLORPROMAZINE, pharmacodynamics/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, diagnostic use/ MALE/ PITUITARY HORMONE RELEASING FACTORS, metabolism/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

1619. **Hehrmann R, Hagemann J, Montz R, et al:** Differential action of parathyroid and thyroid hormones on effective intestinal absorption of calcium. In vivo studies with 47calcium in rats.
Acta Endocrinol (Kbh) 73:489-98, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FEMALE/ *INTESTINAL ABSORPTION, drug effects/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ *THYROCALCITONIN, pharmacodynamics/ THYROID GLAND, physiology/ *THYROID HORMONES, pharmacodynamics/ THYROIDECTOMY

1620. **Hehrmann R, Jentsch E, Mayer H, et al:** 75Selen-labelled human parathyroid hormone from tissue cultures.
Acta Endocrinol [Suppl] (Kbh) 173:163, 1973
ADENOMA, metabolism/ CARCINOMA, metabolism/ HUMAN/ METHIONINE, metabolism/ METHODS/ MOLECULAR WEIGHT/ *PARATHYROID GLANDS, metabolism/ PARATHYROID HORMONE, biosynthesis/ *PARATHYROID HORMONE, metabolism/ PARATHYROID NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ RADIOISOTOPES/ SELENIUM/ TISSUE CULTURE

1621. **Heikkila RE, Mytilineou C, Côté LJ, et al:** The biochemical and pharmacological properties of 6-aminodopamine: similarity with 6-hydroxydopamine. J Neurochem 21:111-6, Jul 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, metabolism/ CATALASE, blood/ DOPAMINE, metabolism/ *DOPAMINE, pharmacodynamics/ ERYTHROCYTES, enzymology/ HEART, drug effects/ HISTOCYTOCHEMISTRY/ HYDROGEN PEROXIDE, biosynthesis/ HYDROXYDOPAMINE, metabolism/ *HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ IRIS, drug effects/ IRIS, innervation/ MALE/ MICE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ OXYGEN CONSUMPTION/ SEROTONIN, metabolism/ TRITIUM

1622. **Heikkinen E, Karppanen H, Vapaatalo H, et al:** Lack of effect of pinealectomy on the diurnal rhythm in drug metabolism.
Acta Pharmacol Toxicol (Kbh) 32:157-60, 1973
*AMINOPYRINE, metabolism/ ANIMAL EXPERIMENTS/ *BENZOPYRENES, metabolism/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ *CYTOCHROME P-450, metabolism/ HYDROXYLASES, metabolism/ HYDROXYLATION/ MALE/ METHYLTRANSFERASES, metabolism/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ *PINEAL BODY, physiology/ RATS/ TIME FACTORS

1623. **Heinemann HO:** The lung as a metabolic organ: an overview. Fed Proc 32:1955-6, Sep 73
AMINES, metabolism/ HYDROLASES, metabolism/ LUNG, enzymology/ *LUNG, metabolism/ OXYGEN CONSUMPTION/ PEPTIDES, metabolism/ PROSTAGLANDINS, metabolism

1624. **Helander HF:** Morphological studies on the development of the rat colonic mucosa.
Acta Anat (Basel) 85:155-76, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BASEMENT MEMBRANE/ CHROMAFFIN SYSTEM, cytology/ COLON, cytology/ *COLON, embryology/ COLON, growth & development/ EPITHELIAL CELLS/ GESTATIONAL AGE/ GOLGI APPARATUS/ INTESTINAL MUCOSA, cytology/ *INTESTINAL MUCOSA, embryology/ INTESTINAL MUCOSA, growth & development/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RATS

1625. **Held H, Bass L:** Uber die Beteiligung des Herzmuskels bei der Myasthenia gravis pseudoparalytica.
Z Kardiol 62:450-65, May 73 (Ger)
ADULT/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, complications/ HEART DISEASES, diagnosis/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, surgery/ THYMECTOMY/ THYMOMA, complications/ THYMUS NEOPLASMS, complications

1626. **Helferich B, Müller WM:** Notiz zur Synthese von alpha-D-Glucosiden. Chem Ber 106:715-6, 1973 (Ger)
CHOLESTEROL/ DESOXYCORTICOSTERONE/ *GLYCOSIDES, chem synthesis

1627. **Helgeland K, Leirskar J:** Silicate cement in a cell culture system. Scand J Dent Res 81:251-9, 1973
CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELLS, CULTURED, drug effects/ *CULTURE MEDIA/ DEPRESSION, CHEMICAL/ *EPITHELIAL CELLS, drug effects/ FLUORIDES, metabolism/ GLUCOSE, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LACTATES, biosynthesis/ MAGNESIUM, metabolism/ PHOSPHATES, metabolism/ *SILICATE CEMENT, toxicity/ SILICON, metabolism/ ZINC, metabolism

1628. **Heller J, Horwitz J:** Conformational changes following interaction between retinol isomers and human retinol-binding protein and between the retinol-binding protein and prealbumin.
J Biol Chem 248:6308-16, 25 Sep 73
AMINO ACIDS, analysis/ APOPROTEINS/ BINDING SITES/ *BLOOD PROTEINS/ BLOOD PROTEINS, analysis/ BOROHYDRIDES/ CIRCULAR DICHROISM/ FLUORESCENCE SPECTROMETRY/ GEL FILTRATION/ GUANIDINES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MOLECULAR CONFORMATION/ OPTICAL ROTATION/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ PROTEIN BINDING/ PROTEIN CONFORMATION/ SERUM ALBUMIN, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROXINE-BINDING PROTEIN/ UREA/ *VITAMIN A/ VITAMIN A, analysis

1629. **Hemm RD:** Hepatic capsular pseudolipoma in the rat.
J Comp Pathol 83:83-6, Jan 73
ANIMAL EXPERIMENTS/ FEMALE/ LIPOMA, pathology/ *LIPOMA, veterinary/ LIVER

NEOPLASMS, pathology/ *LIVER NEOPLASMS, veterinary/ MALE/ *RATS/ *RODENT DISEASES, pathology/ SESAME OIL, administration & dosage/ TESTOSTERONE, administration & dosage

Hempel E, Klinger G, Carol W: Uber die Optimierung der kontrazeptiv genutzten Sequentialbehandlung durch Verkürzung der Ostrogenphase.
Z Aerztl Fortbild (Jena) 67:279-80, 15 May 73 (Ger)
*CONTRACEPTIVES, ORAL, administration & dosage/ *ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ MESTRANOL, administration & dosage/ TIME FACTORS

Hendren WH: Pediatric surgery. 3.
N Engl J Med 289:562-8, 13 Sep 73 (103 ref.)
ADOLESCENCE/ BLADDER EXSTROPHY, surgery/ BURNS, surgery/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, surgery/ FEMALE/ HODGKIN'S DISEASE, surgery/ HUMAN/ HYPERTENSION, RENAL, surgery/ INFANT/ INFANT, NEWBORN/ KIDNEY, transplantation/ MALE/ NEPHROBLASTOMA, surgery/ NEUROBLASTOMA, surgery/ *PEDIATRICS/ REVIEW/ RHABDOMYOSARCOMA, surgery/ SEX DIFFERENTIATION DISORDERS, surgery/ *SURGERY, OPERATIVE/ TRANSPLANTATION, HOMOLOGOUS/ URETERAL DISEASES, surgery/ URETEROCELE, surgery/ URINARY DIVERSION/ VESICO-URETERAL REFLUX, surgery

Hendrickx AG, Newman L: Appendicular skeletal and visceral malformations induced by thalidomide in bonnet monkeys. Teratology 7:151-9, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ *ARM, abnormalities/ BONE AND BONES, abnormalities/ BRAIN, abnormalities/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ECTROMELIA, chemically induced/ FEMALE/ HEART DEFECTS, CONGENITAL, chemically induced/ *LEG, abnormalities/ MONKEYS/ *MONKEYS, embryology/ PREGNANCY/ SPLEEN, abnormalities/ *THALIDOMIDE/ TIME FACTORS/ UMBILICAL ARTERIES, abnormalities/ UROGENITAL SYSTEM, abnormalities

Henke PG, Allen JD, Davison C: Effect of lesions in the amygdala on behavioral contrast.
Physiol Behav 8:173-6, Feb 72
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *CONDITIONING, OPERANT/ DISCRIMINATION LEARNING/ EMOTIONS/ EXTINCTION (PSYCHOLOGY)/ FEEDING BEHAVIOR/ HOUSING, ANIMAL/ MALE/ RATS/ *REINFORCEMENT SCHEDULE/ STEREOTAXIC TECHNICS

Henkin RI, Gilbert DL, Stillman I, et al: Ineffectiveness of adrenocorticosteroids and adrenocorticotropin in altering Na-K currents in squid giant axon.
Experientia 29:555-6, 15 May 73
ACTION POTENTIALS, drug effects/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AXONS, drug effects/ *AXONS, metabolism/ *CORTICOTROPIN, pharmacodynamics/ FLUDROCORTISONE, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ METHYLPREDNISOLONE, pharmacodynamics/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ SQUID

Henney S: Studies on the mechanism of T lymphocyte-mediated cytolysis.
Int Arch Allergy Appl Immunol 45:281-4, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ EDTA, pharmacodynamics/ ISOANTIBODIES/ ISOPROTERENOL, pharmacodynamics/ MICROTUBULES/ PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

1636. **Henning HV, Hesch RD, Hüsken WS, et al:** Zur Behandlung der renalen Osteopathie mit Vtamin D3 und 25-Hydroxycholecalciferol (25-HCC): Einfluss auf Serumcalcium, -phosphat, (Ca) (PO4)-Produkte und auf die intestinale Calciumabsorption.
Verh Dtsch Ges Inn Med 78:1446-8, 1972 (Ger)
*BONE DISEASES, drug therapy/ CALCIUM, blood/ CALCIUM, metabolism/ HUMAN/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ INTESTINAL ABSORPTION/ PHOSPHATES, blood/ *VITAMIN D, therapeutic use

1637. **Henriksen SA, Jorgensen JB:** Draegtighedsdiagnostik hos hopper. II. Sammenlignende undersøgelser mellem en immunologisk og en biologisk metode.
Nord Vet Med 24:17-20, Jan 72 (Dan)
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FALSE POSITIVE REACTIONS/ FEMALE/ HORSES/ OVARY, physiology/ *PREGNANCY, ANIMAL/ *PREGNANCY TESTS/ *PREGNANCY TESTS, IMMUNOLOGIC/ UTERUS, physiology

1638. **Henry E, Montagner H, Cardot N:** Etude préliminaire du rythme circadien des 17-hydroxycorticostéroïdes chez les jeunes enfants d'une crèche.
C R Acad Sci [D] (Paris) 276:3453-6, 25 Jun 73 (Fre)
CHILD, PRESCHOOL/ *CIRCADIAN RHYTHM/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ INFANT/ NURSERIES/ SEASONS

1639. **Henry PD, Sobel BE:** An additional low molecular weight subunit in purified preparations of myosin from hypertrophied myocardium.
Proc Soc Exp Biol Med 143:746-9, Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHROMATOGRAPHY/ EDTA, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEART ENLARGEMENT, enzymology/ *HEART ENLARGEMENT, metabolism/ HYPERTROPHY, metabolism/ MALE/ MOLECULAR WEIGHT/ *MYOCARDIUM, analysis/ MYOCARDIUM, enzymology/ *MYOSIN, analysis/ RABBITS/ SODIUM DODECYL SULFATE/ ULTRACENTRIFUGATION

1640. **Henzl MR, Mishell DR, Jr, et al:** Basic studies for prolonged progestogen administration by vaginal devices. Am J Obstet Gynecol 117:101-6, 1 Sep 73
ABSORPTION/ ACETATES, therapeutic use/ ADOLESCENCE/ ADULT/ BODY TEMPERATURE/ CERVIX MUCUS, drug effects/ *CHLORMADINONE, administration & dosage/ CHLORMADINONE, blood/ CHLORMADINONE, pharmacodynamics/ CHLORMADINONE, therapeutic use/ *CONTRACEPTIVE AGENTS/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ OVULATION, drug effects/ *PESSARIES/ PROGESTERONE, blood/ SILICA, therapeutic use/ *SILICONE ELASTOMERS, therapeutic use/ TIME FACTORS/ *VAGINA

1641. **Hepa J, Stanosek J:** Mechanizm działania glikokortykoidów.
Pol Tyg Lek 28:1040-3, 2 Jul 73 (25 ref.) (Pol)
CIRCADIAN RHYTHM/ ENDOCRINE GLANDS, physiology/ ENZYME ACTIVATION/ GENES, REGULATOR/ GENES, STRUCTURAL/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, physiology/ GLUCONEOGENESIS/ GLUTAMATE DEHYDROGENASE, metabolism/ HUMAN/ HYDROCORTISONE, biosynthesis/ LIVER, enzymology/ LIVER, metabolism/ PROTEINS, biosynthesis/ RECEPTORS, HORMONE/ REVIEW/ RNA, MESSENGER, metabolism/ RNA POLYMERASE, metabolism

1642. **Hepp H, Richter RH:** Untersuchungen mit einem neuen immunologischen Schwangerschaftstest.
Med Klin 68:920-4, Jul 73 (Ger)
ADULT/ CLINICAL RESEARCH/

COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ LATEX FIXATION TESTS/ METHODS/ MIDDLE AGE/ PREGNANCY/ *PREGNANCY TESTS, IMMUNOLOGIC, standards/ TIME FACTORS/ URINE, immunology

1643. **Hepp KD, Renner R, Mehnert H:** Studien zum Wirkungsmechanismus des Insulins am Fettgewebe: Antagonismus zwischen Insulin und lipolytischen Hormonen am Aktivierungssystem der Adenylzyklase.
Verh Dtsch Ges Inn Med 78:1266-9, 1972 **(Ger)**
*ADENYL CYCLASE, biosynthesis/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GLUCAGON, pharmacodynamics/ *INSULIN, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics

1644. **Herberg LJ, Pye JG, Blundell JE:** Sex differences in the hypothalamic regulation of food hoarding: hormones versus calories. Anim Behav 20:186-91, Feb 72
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *BEHAVIOR, ANIMAL/ CIRCADIAN RHYTHM/ DIET/ EATING/ *ESTRUS/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ LOCOMOTION/ MALE/ MOTIVATION/ NESTING BEHAVIOR/ RATS/ SATIATION/ SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ VAGINAL SMEARS

1645. **Herman E, Góth E, Radó J:** Hyperaldosteronismussal járó gyógyult anorexia nervosa.
Orv Hetil 114:1754-6, 1973 **(Hun)**
ADOLESCENCE/ ANOREXIA NERVOSA, complications/ *ANOREXIA NERVOSA, etiology/ *ANOREXIA NERVOSA, therapy/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, etiology/ PSYCHOPHYSIOLOGIC DISORDERS, therapy/ PSYCHOTHERAPY

1646. **Herman ZS:** Behavioural effects of dibutyryl cyclic 3',5' AMP, noradrenaline and cyclic 3',5' AMP in rats.
Neuropharmacology 12:705-9, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ CEREBRAL VENTRICLES/ CONVULSIONS, chemically induced/ DIMETHYL SULFOXIDE, pharmacodynamics/ DRUG INTERACTIONS/ INJECTIONS/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

1647. **Hermand E:** Etude des monamines hypothalamiques au cours de l'allaitement chez le hamster doré.
C R Soc Biol (Paris) 166:1716-20, 1972 **(Fre)**
*AMINES, metabolism/ AMINES, physiology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ FEMALE/ FSH, secretion/ HAMSTERS/ *HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, physiology/ *LACTATION/ LH, secretion/ METHODS/ METHYLTYROSINES/ PREGNANCY/ *PROLACTIN, secretion/ STIMULATION, CHEMICAL

1648. **Hermreck AS, Berg RA, Ruhlen JR, et al:** Renal response in sepsis. Arch Surg 107:169-75, Aug 73
ANIMAL EXPERIMENTS/ BLOOD VOLUME/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXTRAN, pharmacodynamics/ *DISEASE MODELS, ANIMAL/ *DIURESIS/ DIURESIS, drug effects/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, drug effects/ *KIDNEY, physiopathology/ PLASMA SUBSTITUTES/ *SEPTICEMIA, physiopathology/ VASOPRESSIN, pharmacodynamics

1649. **Herr HW, Silber I, Martin DC:** Management of inguin lymph nodes in patients with testicular tumo following orchiopexy, inguinal or scrotal operation
J Urol 110:223-4, Aug 73
ADULT/ CASTRATION/ *CRYPTORCHISM, surgery/ DISGERMINOMA, pathology/ DISGERMINOMA, radiotherapy/ *DISGERMINOMA, surgery/ HUMAN/ *INGUINAL HERNIA, surgery/ *LYMPH NODE EXCISION/ LYMPHATIC METASTASIS prevention & control/ MALE/ POSTOPERATIVE COMPLICATIONS/ *SCROTUM, surgery/ TERATOID TUMOR, pathology/ TERATOID TUMOR, radiotherapy/ *TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, radiotherapy/ *TESTICULAR NEOPLASMS, surgery/ TESTIS, surgery

1650. **Herrath D von, Kraft D, Schaefer K:** Influence disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats.
Naunyn Schmiedebergs Arch Pharmacol 278:435-40, Jul 73
ANIMAL EXPERIMENTS/ HYDROXYCHOLECALCIFEROL, blood/ *HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ *PHOSPHONIC ACIDS, pharmacodynamics/ RATS/ SODIUM, pharmacodynamics/ TRITIUM/ VITAMIN D, metabolism

1651. **Herrera AE, Lehmann H:** The myoglobin of primates. New World monkeys: Cebidae: (1) Saimiri sciure (squirrel monkey); (2) Lagothrix lagothricha (Humboldt's woolly monkey). Callitrichidae: Callithrix jacchus (common marmoset).
Biochim Biophys Acta 317:65-84, 12 Jul 73
AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ APES/ BABOONS/ CHIMPANZEES/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ EVOLUTION/ HUMAN/ MACACA/ MONKEYS, metabolism/ MUSCLES, analysis/ *MYOGLOBIN, analysis/ PEPSIN/ *PEPTIDES analysis/ POLYMORPHISM (GENETICS)/ PRIMATES/ SPECIES SPECIFICITY/ SUBTILISINS/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN

1652. **Herrmann H:** Contribution on regulation of corticotrophic partial function. Reference to an acti negative regulation.
Acta Endocrinol [Suppl] (Kbh) 173:30, 1973
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL DIPHTHERIA TOXIN/ GUINEA PIGS/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ NECROSIS, chemically induced

1653. **Herrmann J, Hilger P, Krüskemper HL:** Plasmapheres in the treatment of thyrotoxic crisis (measurement half-concentration times for free and total T3 and T
Acta Endocrinol [Suppl] (Kbh) 173:22, 1973
HALF-LIFE/ HYPERTHYROIDISM, therapy/ IODIDES, therapeutic use/ METHIMAZOLE, therapeutic use/ PLASMAPHERESIS/ THYROID CRISIS, drug therapy/ *THYROID CRISIS, therapy/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1654. **Herrmann J, Schmidt HJ, Krüskemper HL:** Thyroxi elimination by peritoneal dialysis in experimen thyrotoxicosis. Horm Metab Res 5:180-3, May
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, PAPER/ HALF-LIFE/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ MALE/ *PERITONEAL DIALYSI PROTEINS, analysis/ RATS/ THYROXINE/ *THYROXINE, blood/ THYROXINE, diagnost use/ THYROXINE, metabolism/ TIME FACTORS

Hersh EM, Gutterman JU, Mavligit G, et al: Host defense, chemical immunosuppression, and the transplant recipient. Relative effects of intermittent versus continuous immunosuppressive therapy with reference to the objectives of treatment. Transplant Proc 5:1191-5, Sep 73
ANTIBODY FORMATION/ ANTIGENS, BACTERIAL/ ANTIGENS, FUNGAL/ CANDIDA, immunology/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DERMATOPHYTES, immunology/ DRUG COMBINATIONS/ HEMOCYANIN/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ *IMMUNITY/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LEUKEMIA, drug therapy/ LYMPHOCYTE TRANSFORMATION/ MUMPS, immunology/ PREDNISONE, therapeutic use/ REMISSION/ SKIN TESTS/ STREPTODORNASE AND STREPTOKINASE/ *TRANSPLANTATION IMMUNOLOGY/ VINCRISTINE, therapeutic use

Heft J, Babický A, Mertl F: Response of bone to mechanical stimuli changes in blood supply of compact bone during intermittent mechanical loading. Physiol Bohemoslov 21:265-72, May 72
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *BIOMECHANICS/ BLOOD FLOW VELOCITY/ *BONE AND BONES, blood supply/ EXERTION/ RABBITS/ REGIONAL BLOOD FLOW/ STRONTIUM ISOTOPES/ TIBIA, blood supply/ TIBIA, metabolism

Hertelendy F: Prostaglandin-induced premature oviposition in the coturnix quail. Prostaglandins 2:269-79, Oct 72
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, pharmacodynamics/ FEMALE/ INDOMETHACIN, pharmacodynamics/ *OVUM, drug effects/ PHOSPHOLIPASE, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ QUAIL/ TIME FACTORS/ UTERUS, drug effects

Hertelendy F, Woods R, Jaffe BM: Prostaglandin E levels in peripheral blood during labor. Prostaglandins 3:223-7, Feb 73
ADULT/ BLOOD/ CERVIX UTERI, physiology/ DILATATION/ FEMALE/ HUMAN/ *LABOR/ LABOR, INDUCED/ OXYTOCIN, therapeutic use/ PREGNANCY/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ UMBILICAL CORD

Hertz R): Roy Hertz (1909-). CA 23:242-3, Jul-Aug 73
CURRENT BIOG-OBIT/ DRUG THERAPY, history/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ RESEARCH, history/ TROPHOBLASTIC TUMOR, history/ UNITED STATES/ UNITED STATES NATIONAL INSTITUTES OF HEALTH

Hertz R, Bergenstal DM, Lipsett MB, et al: Chemotherapy of choriocarcinoma and related trophoblastic tumors in women. CA 23:244-55, Jul-Aug 73
*CHORIOCARCINOMA, drug therapy/ FEMALE/ FOLIC ACID, metabolism/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *METHOTREXATE, therapeutic use/ TROPHOBLASTIC TUMOR, drug therapy

Herxheimer H, Hugh-Jones P, McAllen MK, et al: Deaths from asthma. Lancet 2:326-7, 11 Aug 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ASTHMA, drug therapy/ *ASTHMA, mortality/ HUMAN/ ISOPROTERENOL, adverse effects/ ISOPROTERENOL, therapeutic use/ MEDICATION ERRORS/ PREDNISONE, therapeutic use

Hery F, Rouer E, Clowinski J: Effect of 6-hydroxydopamine on daily variations of 5-HT synthesis in the hypothalamus of the rat. Brain Res 58:135-46, 17 Aug 73
ANIMAL EXPERIMENTS/ BRAIN STEM, metabolism/ CEREBRAL CORTEX, metabolism/ *CIRCADIAN RHYTHM/ DARKNESS/ DOPAMINE, metabolism/ *HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ LIGHT/ MALE/ MOTOR ACTIVITY/ NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, biosynthesis/ TRITIUM/ TRYPTOPHAN, metabolism

1663. Herz F: Alkaline phosphatase in KB cells: influence of hyperosmolality and prednisolone on enzyme activity and thermostability. Arch Biochem Biophys 158:225-35, Sep 73
ALCOHOL, PROPYL, pharmacodynamics/ *ALKALINE PHOSPHATASE, metabolism/ AMINES, pharmacodynamics/ CARCINOMA, enzymology/ CELL LINE/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ GALACTOSIDASE, metabolism/ GLUCOSAMINIDASE, metabolism/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MOUTH NEOPLASMS, enzymology/ OSMOLAR CONCENTRATION/ *PREDNISOLONE, pharmacodynamics/ PROTEIN DENATURATION/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

1664. Herz F, Kaplan E, Fineman EL: Regulation of alkaline phosphatase activity in IB cells: influence of serum. Biochim Biophys Acta 304:660-8, 28 May 73
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, biosynthesis/ *ALKALINE PHOSPHATASE, metabolism/ BLOOD/ *CARCINOMA, enzymology/ CELL LINE/ CULTURE MEDIA/ DRUG STABILITY/ ENZYME INDUCTION/ GALACTOSIDASE, metabolism/ GLUCOSAMINIDASE, metabolism/ HEAT/ HUMAN/ KINETICS/ *MOUTH NEOPLASMS, enzymology/ NEOPLASM PROTEINS, metabolism/ PREDNISOLONE, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

1665. Herzfeld A, Estes NA 3d: The distinction between gamma-glutamylhydroxamate synthetase and L-glutamine-hydroxylamine glutamyltransferase activities in rat tissues. Biochem J 133:59-66, May 73
*ACYLTRANSFERASES, metabolism/ AGING/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ FEMALE/ FETUS/ *GLUTAMINE SYNTHETASE, metabolism/ GLUTAMYL TRANSPEPTIDASE, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYDROXYLAMINES/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ NEOPLASMS, EXPERIMENTAL, enzymology/ ORGAN SPECIFICITY/ PANCREAS, enzymology/ PLACENTA, enzymology/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ RETINA, enzymology/ SPLEEN, enzymology/ THYMUS GLAND, enzymology/ THYROXINE, pharmacodynamics

1666. Herzovi F, Bălănescu V, Radu A, et al: Formă gravă de scorbut infantil după alimentaţie exclusivă si prelungită cu lapte. Pediatria (Bucur) 22:161-72, Mar-Apr 73 (Rum)
CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INFANT NUTRITION/ *MILK/ *RICKETS, etiology/ *SCURVY, etiology

1667. Hesch RD, Mühlen A von zur, Hüfner M, et al: Hypertriiodothyroninemia. Acta Endocrinol [Suppl] (Kbh) 173:17, 1973
HUMAN/ HYPERTHYROIDISM, diagnosis/ *THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *TRIIODOTHYRONINE, blood

1668. Hesch RD, Woodhead JS, Hüfner M, et al: Radioimmunometric assay for human calcitonin.

Acta Endocrinol [Suppl] (Kbh) 173:161, 1973
CALCIUM, diagnostic use/ GLUCAGON, diagnostic use/ GOATS, immunology/ HUMAN/ METHODS/ PENTAGASTRIN, diagnostic use/ *RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, blood

1669. **Hester RB, Bennett JC:** Rheumatoid arthritis: an immune complex disease? A review of the reaction of antigen with antibody to form immune complexes and the mechanisms by which they mediate tissue injury. Geriatrics 28:84-91, Jun 73 (61 ref.)
ANAPHYLAXIS, drug therapy/ ANAPHYLAXIS, etiology/ ANTI-ANTIBODIES, analysis/ ANTIBODIES, analysis/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGEN-ANTIBODY REACTIONS/ ANTIHISTAMINICS, therapeutic use/ ARTHRITIS, RHEUMATOID, etiology/ *ARTHRITIS, RHEUMATOID, immunology/ ARTHUS PHENOMENON, immunology/ COMPLEMENT, analysis/ CRYOGLOBULINS, analysis/ GAMMA GLOBULIN/ HUMAN/ HYPERPLASIA, pathology/ HYPERTROPHY, pathology/ IGG, analysis/ JOINTS, analysis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ REVIEW/ RHEUMATOID FACTOR, analysis/ SEROTONIN, antagonists & inhibitors/ SYNOVIAL FLUID, immunology/ SYNOVIAL MEMBRANE, pathology

1670. **Heston WE, Vlahakis G, Desmukes B:** Effects of the antifertility drug enovid in five strains of mice, with particular regard to carcinogenesis.
J Natl Cancer Inst 51:209-24, Jul 73
ADENOMA, CHROMOPHOBE, chemically induced/ ADRENAL GLAND NEOPLASMS, chemically induced/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARCINOMA, chemically induced/ CERVIX DISEASES, chemically induced/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, toxicity/ DRUG COMBINATIONS/ FEMALE/ HEPATOMA, chemically induced/ LIVER NEOPLASMS, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MESTRANOL, toxicity/ MICE/ MICE, INBRED A/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *NEOPLASMS, chemically induced/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NORETHYNODREL, toxicity/ OVARIAN NEOPLASMS, chemically induced/ PITUITARY NEOPLASMS, chemically induced/ VAGINAL DISEASES, chemically induced

1671. **Hewick DS, Young CK:** Stereoselective inhibition of steroid 11-beta-hydroxylation in ox and sheep adrenocortical mitochondria: comparison of metyrapone and the enantiomers of 2-(4-aminophenyl)-2-phenethylamine (SKF-12185).
Biochem Pharmacol 22:1653-9, 1 Jul 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBON MONOXIDE, diagnostic use/ CATTLE/ COMPARATIVE STUDY/ CORTICOSTERONE, metabolism/ CYTOCHROME P-450, metabolism/ HYDROXYLATION/ IN VITRO/ *METYRAPONE, pharmacodynamics/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ *PHENETHYLAMINES, pharmacodynamics/ SHEEP/ SPECTROPHOTOMETRY/ *STEROIDS, antagonists & inhibitors

1672. **Hier DB, Arnason BG, Young M:** Nerve growth factor: relationship to the cyclic AMP system of sensory ganglia. Science 182:79-81, 5 Oct 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ *GANGLIA, SPINAL, drug effects/ GANGLIA, SPINAL, enzymology/ GANGLIA, SPINAL, metabolism/ *NERVE GROWTH FACTOR, pharmacodynamics/ PHOSPHORUS ISOTOPES

1673. **Higgins MJ, Kekwick RG:** An investigation into the r of malonyl-coenzyme A in isoprenoid biosynthes
Biochem J 134:295-310, May 73
ACETYL COENZYME A/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ CELL-FREE SYSTEM/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ *COENZYME A, metabolism/ ERGOSTEROL, biosynthesis/ GEL FILTRATION/ *GLUTARATES, biosynthesis/ LIPIDS, biosynthesis/ LIVER, metabolism/ MALONATES/ *MALONATES, metabolism/ MEVALONIC ACID, biosynthesis/ PIGEONS/ PLANTS, metabolism/ RATS/ SACCHAROMYCES CEREVISIAE, metabolism *TERPENES, biosynthesis/ TIME FACTORS

1674. **Higgins SJ, Rousseau GG, Baxter JD, et al:** Nature nuclear acceptor sites for glucocorticoid- an estrogen-receptor complexes.
J Biol Chem 248:5873-9, 25 Aug 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CELL FRACTIONATION/ CELL-FREE SYSTEM/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ CELLS, CULTURED CHROMOSOMES/ CYTOSOL, metabolism/ DEOXYRIBONUCLEASE, pharmacodynamics/ *DEXAMETHASONE, metabolism/ *ESTRADIOL, metabolism/ ESTROGENS, metabolism/ FEMALE/ GLUCOCORTICOIDS, metabolism/ HAPLOIDY/ *HEPATOMA, metabolism/ *LIVER NEOPLASMS, metabolism/ RATS/ RECEPTORS, HORMONE RECEPTORS, HORMONE, drug effects/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism

1675. **Higgins SJ, Rousseau GG, Baxter JD, et al:** Early eve in glucocorticoid action. Activation of the ster receptor and its subsequent specific nuclear bind studied in a cell-free system.
J Biol Chem 248:5866-72, 25 Aug 73
ADSORPTION/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELL FRACTIONATION/ CELL-FREE SYSTEM/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ CELLS, CULTURED CHARCOAL/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ *DEXAMETHASONE metabolism/ GEL FILTRATION/ GLUCOCORTICOIDS, metabolism/ HEPATOMA, metabolism/ KINETICS/ *LIVE NEOPLASMS, metabolism/ MODELS, CHEMICAL/ OSMOLAR CONCENTRATION/ RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ SODIUM CHLORI administration & dosage/ SODIUM CHLORI pharmacodynamics/ TEMPERATURE/ TRITIU

1676. **Higuchi K:** Adrenale Medullektomie auf den Wasser-und Elektrolythaushalt.
Yonago Acta Med 16:176-87, Feb 73 (G
*ADRENAL GLANDS, physiology/ *ADRENA MEDULLA, physiology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ DIURESIS/ DOGS/ HYPONATREMIA, etiolo TIME FACTORS/ *WATER-ELECTROLYTE BALANCE

1677. **Higurashi M, Conen PE:** In vitro chromosom radiosensitivity in "chromosomal breakage syndromes". Cancer 32:380-3, Aug 73
*ABNORMALITIES, MULTIPLE/ *ANEMIA, APLASTIC, familial & genetic/ *ATAXIA TELANGIECTASIA, familial & genetic/ CELLS, CULTURED/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIO *CHROMOSOMES, radiation effects/ *DWARFISM/ *ERYTHEMA, familial & genetic/ *FACIAL DERMATOSES familial & genetic/ FEMALE/ HUMAN/ INFANT/ LYMPHOCYTES, cytology/ MALE *PHOTOSENSITIZATION, familial & genetic RADIATION EFFECTS/ SYNDROME/ *TELANGIECTASIS, congenital

1678. **Hilf R, Wittliff JL, Rector WD, et al:** Studies on cer

cytoplasmic enzymes and specific estrogen receptors in human breast cancer and in nonmalignant diseases of the breast. Cancer Res 33:2054-62, Sep 73
*ADENOFIBROMA, metabolism/ ADULT/ AGE FACTORS/ AGED/ ASPARTATE AMINOTRANSFERASE, metabolism/ *BREAST, metabolism/ *BREAST DISEASES, metabolism/ *BREAST NEOPLASMS, metabolism/ *CARCINOMA, DUCTAL, metabolism/ *CYSTS, metabolism/ *CYTOPLASM, enzymology/ DNA, metabolism/ DNA, NEOPLASM, metabolism/ *ESTROGENS, metabolism/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUCOSEPHOSPHATE ISOMERASE, metabolism/ HEXOKINASE, metabolism/ HUMAN/ ISOCITRATE DEHYDROGENASE, metabolism/ MIDDLE AGE/ NEOPLASM PROTEINS, metabolism/ PROTEINS, metabolism/ PYRUVATE KINASE, metabolism/ *RECEPTORS, HORMONE/ RNA, metabolism/ RNA, NEOPLASM, metabolism

lfrich J: A new model for inducing malignant ovarian umours in rats. Br J Cancer 28:46-54, Jul 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CASTRATION/ FEMALE/ GRANULOSA CELL TUMOR, chemically induced/ LIVER NEOPLASMS/ LUNG NEOPLASMS/ *MODELS, BIOLOGICAL/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, etiology/ NITROSAMINES/ OVARIAN NEOPLASMS, chemically induced/ *OVARIAN NEOPLASMS, etiology/ *OVARY, transplantation/ RATS/ SPLEEN/ THECA CELL TUMOR, chemically induced/ THECA CELL TUMOR, etiology/ THECA CELL TUMOR, pathology

lgenfeldt U, Merz WE, Brossmer R: Circular ichroism studies on human chorionic gonadotropin HCG) and its subunits.
cta Endocrinol [Suppl] (Kbh) 173:54, 1973
CIRCULAR DICHROISM/ ELECTROPHORESIS/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ ISOELECTRIC FOCUSING/ MOLECULAR CONFORMATION

lgertová J, Sonka J: Effects of cold exposure, thyroid xtract, methylthiouracil and ehydroepiandrosterone on glucose 6-phosphate and -phosphogluconate dehydrogenases in rat liver and rythrocytes. Horm Metab Res 5:286-9, Jul 73
ANIMAL EXPERIMENTS/ COLD/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, enzymology/ GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ *GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ IN VITRO/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ *PHOSPHOGLUCONATE DEHYDROGENASE, blood/ PHOSPHOGLUCONATE DEHYDROGENASE, metabolism/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFURIC ACIDS, pharmacodynamics/ *THYROID HORMONES, pharmacodynamics/ TISSUE EXTRACTS

l JD, Lees MH, Malinow MR, et al: Regional blood ows in unanaesthetized rhesus monkeys during yocardial infarction. Cardiovasc Res 7:375-82, May 73
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ AORTA, THORACIC/ BLOOD PRESSURE/ BRAIN, blood supply/ CARDIAC OUTPUT/ CORONARY CIRCULATION/ CORONARY VESSELS/ FEMALE/ GASTROINTESTINAL SYSTEM, blood supply/ HEART RATE/ KIDNEY, blood supply/ LIGATION/ LIVER, blood supply/ LUNG, blood supply/ MACACA/ MALE/ MONKEYS/ *MYOCARDIAL INFARCT, physiopathology/ PANCREAS, blood supply/ *REGIONAL BLOOD FLOW/ SPLEEN, blood supply

LF, Mawer EB: The interrelationships between tamin D parathyroid hormone and calcitonin. in Sci 44:4P-5P, Feb 73
ANIMAL EXPERIMENTS/ *CHOLECALCIFEROL, metabolism/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ *PARATHYROID HORMONE, pharmacodynamics/ PARATHYROID HORMONE, secretion/ RATS/ *THYROCALCITONIN, pharmacodynamics/ VITAMIN D DEFICIENCY, metabolism

1684. Hill MJ, Drasar DS: Bacteria and the aetiology of human cancer. Br J Cancer 28:94, Jul 73
AMINO ACIDS, metabolism/ *BACTERIA, pathogenicity/ CARCINOGENS/ *GASTROINTESTINAL SYSTEM, microbiology/ HUMAN/ *NEOPLASMS, etiology/ NITROSAMINES, biosynthesis/ STEROIDS, metabolism

1685. Hill PM, Young M: Use of the guinea-pig foetal placenta, perfused in situ, as a model to study the placental transfer of pharmacological substances. Br J Pharmacol 47:655P-656P, Mar 73
ACID-BASE EQUILIBRIUM, drug effects/ ANIMAL EXPERIMENTS/ ANTIPYRINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ FEMALE/ GUINEA PIGS/ *MATERNAL-FETAL EXCHANGE, drug effects/ METARAMINOL, pharmacodynamics/ MODELS, BIOLOGICAL/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY

1686. Hillborn ME, Lindros KO, Eriksson CJ: Effects of fructose, glucose and glyceraldehyde on the toxicity of ethanol in hyperthyroid rats.
Acta Med Scand [Suppl] 542:151-5, 1972
ACIDOSIS, metabolism/ *ALCOHOL, ETHYL, toxicity/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ DRUG SYNERGISM/ *FRUCTOSE, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ *GLYCERALDEHYDE, pharmacodynamics/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ HYPOGLYCEMIA, chemically induced/ HYPOGLYCEMIA, metabolism/ KETONE BODIES, blood/ MALE/ RATS/ TRIIODOTHYRONINE, pharmacodynamics

1687. Himsworth RL, Fraser PM: Grades of hypothyroidism. Br Med J 3:295, 4 Aug 73
AUTOANTIBODIES, analysis/ HUMAN/ *HYPOTHYROIDISM, classification/ THYROTROPIN, blood

1688. Hinkle PM, Tashjian AH Jr: Receptors for thyrotropin-releasing hormone in prolactin producing rat pituitary cells in culture.
J Biol Chem 248:6180-6, 10 Sep 73
BINDING, COMPETITIVE/ BINDING SITES/ CALCIUM, metabolism/ CLONE CELLS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ FIBROBLASTS, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ *PROLACTIN, biosynthesis/ PROTEIN BINDING, drug effects/ RATS/ RECEPTORS, HORMONE/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TRITIUM

1689. Hinman F: Urethrovesical dysfunction and infection. Annu Rev Med 24:83-8, 1973 (43 ref.)
ANIMAL EXPERIMENTS/ *BLADDER DISEASES/ CYSTITIS, complications/ ESCHERICHIA COLI, isolation & purification/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ IGA, analysis/ IGG, analysis/ INTESTINE, LARGE, microbiology/ MICROSCOPY, ELECTRON/ REVIEW/ URETHRA, microbiology/ *URETHRAL DISEASES/ URETHRAL STRICTURE, complications/ URETHRITIS, complications/ *URINARY TRACT INFECTIONS/ URINE, microbiology

1690. **Hipkin LJ**: Modification of the rat uterine weight response to human chorionic gonadotrophin by oestrogen. J Reprod Fertil 34:175-7, Jul 73
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ FSH, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ ORGAN WEIGHT/ OVARY, drug effects/ OVARY, metabolism/ RATS/ *UTERUS, drug effects

1691. **Hiramatsu M, Okabe N, Tomita K**: Preparation and properties of lysozyme modified by fluorescein-isothiocyanate.
J Biochem (Tokyo) 73:971-8, May 73
ANIMAL EXPERIMENTS/ CHICKENS/ CHITIN/ CIRCULAR DICHROISM/ EGG WHITE, analysis/ ENZYME ACTIVATION/ *FLUORESCEINS/ FLUORESCENCE SPECTROMETRY/ *MURAMIDASE/ THIOCYANATES

1692. **Hirata M, Yoshida M, Inada K**: Inhibiting effects of antihistamine and antiserotonin drugs on the bone marrow reaction caused by endotoxin.
Jap J Med Sci Biol 26:15-7, Feb 73
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *BONE MARROW CELLS, drug effects/ CELL COUNT/ CHLORPROMAZINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOTOXINS, administration & dosage/ *ENDOTOXINS, antagonists & inhibitors/ ENDOTOXINS, pharmacodynamics/ ERYTHROCYTES, drug effects/ ESCHERICHIA COLI/ HISTAMINE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED STRAINS/ PROMETHAZINE, pharmacodynamics/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics

1693. **Hiroi M**: [Female hormones and puberty]
Clin Endocrinol (Tokyo) 21:587-97, Jun 73 (63 ref.) **(Jap)**
ABORTION, INDUCED, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ ENDOCRINE DISEASES, complications/ *ESTROGENS, secretion/ FEMALE/ HUMAN/ MENSTRUATION/ MENSTRUATION DISORDERS/ MENTAL DISORDERS, etiology/ OVULATION/ PERSONALITY INVENTORY/ *PROGESTERONE, secretion/ PSYCHOLOGY/ *PUBERTY/ REVIEW

1694. **Hiroshige T, Wada-Okada S**: Diurnal changes of hypothalamic content of corticotropin-releasing activity in female rats at various stages of the estrous cycle. Neuroendocrinology 12:316-9, 1973
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ *CORTICOTROPIN RELEASING FACTOR, metabolism/ *ESTRUS/ FEMALE/ *HYPOTHALAMUS, metabolism/ RATS/ SEX FACTORS

1695. **(Hisaw FL)**: Frederick Lee Hisaw (1891-1972).
Endocrinology 93:273-6, Aug 73
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ UNITED STATES

1696. **Hiscoe A, Mathieson DW, Perrett RH**: Gas-liquid chromatography of keto- and hydroxyandrostanes.
J Chromatogr 81:144-9, 27 Jun 73
ADSORPTION/ *ANDROSTANES, analysis/ *CHROMATOGRAPHY, GAS/ CYCLOSTEROIDS, analysis/ ETHERS, analysis/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ METHODS/ MOLECULAR CONFORMATION/ POLAROGRAPHY/ SOLVENTS/ STRUCTURE-ACTIVITY RELATIONSHIP

1697. **Hjorth P**: Hernia inguinalis et scrotalis bovis.
Nord Vet Med 24:327-32, Jun 72 **(Dan)**
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FLUPREDNISOLONE, therapeutic use/ HEMATOMA, diagnosis/ INGUINAL HERN diagnosis/ INGUINAL HERNIA, drug ther *INGUINAL HERNIA, veterinary/ JEJUNU *SCROTUM

1698. **Hnňková O, Límanová Z, Bleha O**: Stanovení tyrox séru pomocí značeného tyroxinu 131-.
Sb Lek 75:257-62, Sep 73
CHILD/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES, DIAGNOSTIC/ PROTEIN-BOUN IODINE TEST/ SERUM ALBUMIN, RADIO-IODINATED/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN

1699. **Ho BT, Gardner PM, Pong SF, et al**: A new perip monoamine oxidase inhibitor: 2,9-dimethyl-beta-carbolinium iodide.
Experientia 29:527-9, 15 May 73
ANIMAL EXPERIMENTS/ BILE, analysis/ BRAIN, enzymology/ CARBON ISOTOPES/ INDOLES/ INDOLES, administration & do INDOLES, analysis/ INDOLES, metabolism INJECTIONS, INTRAVENOUS/ MITOCHONDRIA, LIVER, enzymology/ MONOAMINE OXIDASE, metabolism/ *MONOAMINE OXIDASE INHIBITORS/ MONOAMINE OXIDASE INHIBITORS, administration & dosage/ MONOAMINE OXIDASE INHIBITORS, analysis/ MONOA OXIDASE INHIBITORS, metabolism/ MYOCARDIUM, analysis/ MYOCARDIUM, enzymology/ *ONIUM COMPOUNDS/ ONIU COMPOUNDS, administration & dosage/ ONIUM COMPOUNDS, analysis/ ONIUM COMPOUNDS, metabolism/ PYRIDINES/ PYRIDINES, administration & dosage/ PYRIDINES, analysis/ PYRIDINES, metabolism/ RATS/ SEROTONIN, analysis SEROTONIN, metabolism/ TRYPTAMINES metabolism

1700. **Ho KJ, Taylor CB**: Female sex hormones: effect kinetics of cholesterol metabolism in rabl
Proc Soc Exp Biol Med 143:810-5, Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT drug effects/ CASTRATION/ CHOLESTER blood/ *CHOLESTEROL, metabolism/ ESTROGENS, administration & dosage/ *ESTROGENS, pharmacodynamics/ FEMAL KINETICS/ PROGESTERONE, administrati dosage/ PROGESTERONE, pharmacodynam RABBITS/ TRITIUM

1701. **Ho MW**: Hydrolysis of ceramide trihexoside specific -galactosidase from human liver.
Biochem J 133:1-10, May 73
*CEREBROSIDES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ COUMARINS/ FEMALE/ GALACTOSE, pharmacodynamics/ GALACTOSIDASE, antagonists & inhibitor GALACTOSIDASE, isolation & purificatior *GALACTOSIDASE, metabolism/ GEL FILTRATION/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIVER, drug effects/ *LIVER enzymology/ OLIGOSACCHARIDES/ PLACENTA, enzymology/ PREGNANCY/ PROTEIN DENATURATION/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TAUROCHOLIC ACID TIME FACTORS/ TRITIUM

1702. **Hodgen GD, Sherins RJ**: Enzymes as marke testicular growth and development in the
Endocrinology 93:985-9, Oct 73
*ACYLTRANSFERASES, analysis/ AGE FACTORS/ AGING/ ANIMAL EXPERIME CELL DIVISION/ COLORIMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTAMATES/ HISTOCYTOCHEMISTRY/ *LACTATE DEHYDROGENASE, analysis/ MALE/ *OXIDOREDUCTASES, analysis/ RATS/

SORBITOL/ *TESTIS, enzymology/ TESTIS, growth & development

Hodgkin P, Hine PM, Kay GH, et al: Vitamin-D deficiency in Asians at home and in Britain. Lancet 2:167-71, Jul 73
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ CALCIUM, blood/ CALCIUM, urine/ CAUCASIAN RACE/ CREATININE, urine/ EMIGRATION AND IMMIGRATION/ FEMALE/ GREAT BRITAIN/ HUMAN/ INDIA/ ISOENZYMES, analysis/ MALE/ MIDDLE AGE/ NUTRITION SURVEYS/ OSTEOMALACIA, occurrence/ PHOSPHATES, blood/ PREGNANCY/ RICKETS, occurrence/ SUNLIGHT/ TIME FACTORS/ VITAMIN D, administration & dosage/ VITAMIN D DEFICIENCY, enzymology/ *VITAMIN D DEFICIENCY, occurrence

Hoet JJ: Le diabète et la puberté. Probl Actuels Endocrinol Nutr 16:295-303, 3 May 73 (Fre)
ADOLESCENCE/ BLOOD SUGAR, analysis/ CHILD/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, etiology/ DIABETES MELLITUS, familial & genetic/ DWARFISM, PITUITARY, complications/ HUMAN/ INFANTILISM, etiology/ OBESITY, complications/ *PUBERTY

Hof G, Lenaers PJ, Mekking P: Onderzoek naar de preventie van melkziekte bij melkvee door oraal verstrekte vitamine D3. Tijdschr Diergeneeskd 98:840-52, 15 Sep 73 (Dut)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, prevention & control/ *CHOLECALCIFEROL, administration & dosage/ CHOLECALCIFEROL, adverse effects/ CHOLECALCIFEROL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HYPOCALCEMIA, prevention & control/ *HYPOCALCEMIA, veterinary/ PUERPERAL DISORDERS, prevention & control/ *PUERPERAL DISORDERS, veterinary

Hofeldt FD, Levin SR, Schneider V, et al: Clinical features of acromegaly and response to cryohypophysectomy. Rocky Mt Med J 70:21-4, Aug 73
ACROMEGALY, complications/ ACROMEGALY, surgery/ ADULT/ AGED/ *CRYOGENIC SURGERY/ FEMALE/ FOOT, radiography/ GLUCOSE, metabolism/ HAND, radiography/ HUMAN/ *HYPOPHYSECTOMY/ HYPOPHYSECTOMY, adverse effects/ MALE/ MIDDLE AGE/ SKULL, radiography/ SOMATOTROPIN, metabolism

Hoffer BJ, Siggins GR, Oliver AP, et al: Cyclic AMP-mediated adrenergic synapses to cerebellar Purkinje cells. Adv Cyclic Nucleotide Res 1:411-23, 1972
ACTION POTENTIALS, drug effects/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN CHEMISTRY/ CEREBELLUM, drug effects/ *CEREBELLUM, metabolism/ CEREBELLUM, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ HYDROXYDOPAMINE, pharmacodynamics/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PURKINJE CELLS, drug effects/ *PURKINJE CELLS, metabolism/ RATS/ *SYNAPSES, drug effects/ TIME FACTORS

Hoffman LH, Davies J, Davenport GR: The effects of hysterectomy and decidual induction on luteal maintenance in rabbits. Endocrinology 93:348-55, Aug 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, physiology/ *DECIDUA, physiology/ FEMALE/ *HYSTERECTOMY/ KETONES, blood/ ORGAN WEIGHT/ PREGNANCY/ PREGNENES, blood/ PROGESTERONE, blood/ PSEUDOPREGNANCY/ RATS

1709. Hoffmann B, Schams D, Bopp R, et al: Experiments with LH and prolactin antisera and a prolactin inhibitor to further elucidate the luteotropic properties of LH and prolactin in the bovine. Acta Endocrinol [Suppl] (Kbh) 173:39, 1973
ANIMAL EXPERIMENTS/ CATTLE/ CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ *IMMUNE SERUMS, pharmacodynamics/ *LH, antagonists & inhibitors/ LH, physiology/ PREGNANCY/ PROGESTERONE, blood/ *PROLACTIN, antagonists & inhibitors/ PROLACTIN, physiology/ RADIOIMMUNOASSAY

1710. Hoffmann B, Schams D, Giménez T, et al: Changes of progesterone, total oestrogens, corticosteroids, prolactin and LH in bovine peripheral plasma around parturition with special reference to the effect of exogenous corticoids and a prolactin inhibitor respectively. Acta Endocrinol (Kbh) 73:385-95, Jun 73
*ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, physiology/ ANIMAL EXPERIMENTS/ CATTLE/ *ESTROGENS, blood/ ESTROGENS, physiology/ FEMALE/ FLUMETHASONE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *LABOR/ LABOR, INDUCED/ *LH, blood/ LH, physiology/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, blood/ PROLACTIN, physiology/ PROTEIN BINDING/ RADIOIMMUNOASSAY

1711. Hoffmann G, Wendlberger F, Oertel GW: Perfusion of the human kidney with 7alpha-3H-DHEA sulfatide. Acta Endocrinol [Suppl] (Kbh) 173:140, 1973
ANDROSTENES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HUMAN/ HYDROLYSIS/ KIDNEY, enzymology/ *KIDNEY, metabolism/ MIDDLE AGE/ SULFATASES, metabolism/ SULFATIDES, metabolism/ TRANSFERASES, metabolism/ TRITIUM

1712. Hofmann GG, Lampl LL, Horn K, et al: Der Einfluss der Schilddrüsenhormone auf die Gewichtsreduktion und den Fettstoffwechsel bei Adipösen unter einer Nulldiät. Verh Dtsch Ges Inn Med 78:1294-7, 1972 (Ger)
DIET, REDUCING/ FEMALE/ HUMAN/ LIPIDS, metabolism/ MALE/ OBESITY, metabolism/ *OBESITY, therapy/ THYROID HORMONES, pharmacodynamics

1713. Hofmeister H, Laurent H, Wiechert R: Notiz über die Darstellung von 1,3,5(10)-Ostratrien-6-onen. Chem Ber 106:723-6, 1973 (Ger)
CHEMISTRY/ *ESTRANES, analysis/ NORSTEROIDS/ OXIDATION-REDUCTION

1714. Hogaki M, Kinoshita K, Sakamoto S, et al: Comparative study on actions of prostaglandin F2 alpha and oxytocin upon pregnant rat uterus. Acta Obstet Gynaecol Jap 19:118-24, Apr 72
ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ FEMALE/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *UTERUS, drug effects/ UTERUS, physiology

1715. Hogan RP 3d, Kotchen TA, Boyd AE 3d, et al: Effect of altitude on renin-aldosterone system and metabolism of water and electrolytes. J Appl Physiol 35:385-90, Sep 73
ADULT/ *ALDOSTERONE, urine/ *ALTITUDE/ ANOXIA, metabolism/ ATMOSPHERE EXPOSURE CHAMBERS/ BLOOD PRESSURE/ BODY WATER/ BODY WEIGHT/ DIET/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ POTASSIUM, metabolism/

PULSE/ *RENIN, blood/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

1716. **Hohmann D:** Probleme chronischer Erkrankungen in der Orthopädie.
Fortschr Med 91:767-70, 21 Jun 73 (Ger)
ADOLESCENCE/ ADULT/ ARTHRITIS, therapy/ *BONE DISEASES/ CERVICAL VERTEBRAE/ CHRONIC DISEASE/ HIP DISLOCATION, CONGENITAL, diagnosis/ HIP DISLOCATION, CONGENITAL, therapy/ HIP JOINT/ HUMAN/ INFANT/ JOINT DISEASES, rehabilitation/ JOINT DISEASES, surgery/ JOINT DISEASES, therapy/ JOINT PROSTHESIS/ KNEE JOINT/ OSTEOPOROSIS, therapy/ SPINAL DISEASES, therapy

1717. **Holder FC:** Arguments expérimentaux en faveur de la localisation intragranulaire des hormones hypothalamo-neurophypophysaires chez Anguilla anguilla.
Z Zellforsch Mikrosk Anat 140:315-32, 1973 (Fre)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *EELS, physiology/ ENGLISH ABSTRACT/ *HORMONES, analysis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ *NEUROSECRETION/ PITUITARY HORMONES, analysis

1718. **Holder FC:** Arguments biochimiques et histologiques en faveur du transport et de l'accumulation parallèles des hormones et des grains de neurosérétion chez l'anguille hypophysectomisée.
Z Zellforsch Mikrosk Anat 140:333-55, 1973 (Fre)
ANIMAL EXPERIMENTS/ ARGININE, analysis/ *EELS, physiology/ ENGLISH ABSTRACT/ HYPOPHYSECTOMY/ HYPOTHALAMUS, analysis/ *NEUROSECRETION/ NEUROSECRETORY SYSTEMS, analysis/ PITUITARY HORMONES, POSTERIOR, analysis/ TIME FACTORS/ VASOTOCIN, analysis

1719. **Holman BL:** The brain scan.
Postgrad Med 54:143-9, Oct 73
ASTROCYTOMA, diagnosis/ BLOOD-BRAIN BARRIER/ *BRAIN/ BRAIN, blood supply/ BRAIN DISEASES, diagnosis/ *BRAIN DISEASES, diagnosis/ BRAIN INJURIES, ACUTE, diagnosis/ BRAIN NEOPLASMS, diagnosis/ CEREBRAL ANGIOGRAPHY/ CEREBRAL EMBOLISM AND THROMBOSIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EPENDYMOMA, diagnosis/ GLIOBLASTOMA MULTIFORME, diagnosis/ HUMAN/ MENINGIOMA, diagnosis/ METHODS/ MICROCIRCULATION/ NEOPLASM METASTASIS, diagnosis/ NEURILEMMOMA, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ TECHNETIUM, diagnostic use/ TIME FACTORS

1720. **Holmes D, Schutz W:** Further indications for Visken.
Indian Heart J 24:Suppl 1:244-8, Jun 72
FEMALE/ HEART RATE, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ *HYPERTHYROIDISM, drug therapy/ MALE/ *NEUROCIRCULATORY ASTHENIA, drug therapy/ *PINDOLOL, therapeutic use

1721. **Holmes EW, Wyngaarden JB, Kelley WN:** Human glutamine phosphoribosylpyrophosphate amidotransferase. Two molecular forms interconvertible by purine ribonucleotides and phosphoribosylpyrophosphate.
J Biol Chem 248:6035-40, 10 Sep 73
ADENOSINE MONOPHOSPHATE/ ALLOSTERIC REGULATION/ AMINO SUGARS/ CARBON ISOTOPES/ CELLULOSE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FEEDBACK/ FEMALE/ GEL FILTRATION/ GLUTAMINE/ GUANINE NUCLEOTIDES/ HUMAN/ MOLECULAR WEIGHT/ *PENTOSEPHOSPHATES/ PENTOSYLTRANSFERASES, antagonists & inhibitors/ *PENTOSYLTRANSFERASES, isolation & purification/ *PLACENTA, enzymology/ PREGNANCY/ PURINE NUCLEOTIDES/ PURINES, biosynthesis/ *RIBONUCLEOTIDES/ ULTRAFILTRATION

1722. **Holt SB:** The significance of dermatoglyphi medicine. A short survey and summary.
Clin Pediatr (Phila) 12:471-84, Aug 73
*ABNORMALITIES/ ABNORMALITIES, DRUG-INDUCED/ *AUTOSOME ABNORMALITIES/ CHROMOSOMES, HUM 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ *DERMATOGLYPHICS/ DERMATOGLYPHI history/ EUROPE/ FEMALE/ GENETICS, HUMAN/ GESTATIONAL AGE/ HISTORIC ARTICLE/ HISTORY OF MEDICINE, 17TI CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, complica RACIAL STOCKS/ RUBELLA, complicatio *SEX CHROMOSOME ABNORMALITIES/ FACTORS/ SKIN, growth & development/ THALIDOMIDE, adverse effects/ TRISOM TWINS/ UNITED STATES

1723. **Holwerda DA, Zwaan A de:** Kinetic and mol characteristics of allosteric pyruvate kinase muscle tissue of the sea mussel Mytilus edu
Biochim Biophys Acta 309:296-306, 6 Jun
ADENOSINE CYCLIC 3',5' MONOPHOSPH ADENOSINE DIPHOSPHATE/ ADENOSINI TRIPHOSPHATE/ ALANINE/ ALLOSTERI REGULATION/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ FRUCTOSEPHOSPHATES/ GEL FILTRAT GLUCOSEPHOSPHATES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUS KINETICS/ MAGNESIUM/ MOLECULAR WEIGHT/ *MUSCLES, enzymology/ *MUS enzymology/ ORGANOPHOSPHORUS COMPOUNDS/ *PYRUVATE KINASE/ PYRUVATE KINASE, antagonists & inhib PYRUVATES

1724. **Holzmann H, Hoede N, Morsches B:** Organbefun Psoriasis.
Dtsch Med Wochenschr 98:1535-6, 11 Aug 73
DEHYDROEPIANDROSTERONE, metabolis ERYTHROCYTES, metabolism/ FEMALE/ GOUT, etiology/ HUMAN/ INTESTINAL DISEASES, etiology/ JOINT DISEASES, etiology/ LIVER DISEASES, etiology/ MA MUSCULAR DISEASES, etiology/ PANCREATIC DISEASES, etiology/ PSORIASIS, blood/ *PSORIASIS, complications/ SEX FACTORS/ SPLENIC DISEASES, etiology/ URIC ACID, blood

1725. **Homoki J, Birk J, Fazekas AT, et al:** Thyrotropin in the plasma of newborns with congenital Acta Endocrinol [Suppl] (Kbh) 173:14, 19
*GOITER, blood/ GOITER, congenital/ HUMAN/ INFANT, NEWBORN/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood

1726. **Hook GE, Dodgson KS, Rose FA, et al:** R distribution of arylsulphatases A and B in ra parenchymal and other cells.
Biochem J 134:191-5, May 73
ADRENAL GLANDS, enzymology/ ANIMA EXPERIMENTS/ BRAIN, enzymology/ CENTRIFUGATION, DENSITY GRADIENT CHROMATOGRAPHY, ION EXCHANGE/ KIDNEY, enzymology/ LIVER, cytology/ *LIVER, enzymology/ MACROPHAGES, enzymology/ MALE/ NITROPHENOLS/ O SPECIFICITY/ RATS/ SPECTROPHOTOMETRY/ SPLEEN, enzymology/ SUBCELLULAR FRACTIONS enzymology/ *SULFATASES, analysis/ SULFATASES, metabolism/ TESTIS, enzymology

1727. **Hooper M, Green AP, Sweetman AJ:** The eff 2-phenylindolone on phosphate transport in

mitochondria. FEBS Lett 33:297-300, 15 Jul 73
AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARSENIC, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ IN VITRO/ *INDOLES, pharmacodynamics/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ *PHOSPHATES, metabolism/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SUCCINATES, metabolism/ VIBRATION

Hopes R: Uses and misuses of anti-inflammatory drugs in racehorses. 1. Equine Vet J 4:66-8, 5 Apr 72
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ CORTICOTROPIN, therapeutic use/ DIMETHYL SULFOXIDE, therapeutic use/ *DRUG ABUSE/ GLUCOCORTICOIDS, therapeutic use/ *HORSE DISEASES, drug therapy/ HORSES/ MOVEMENT DISORDERS, drug therapy/ *MOVEMENT DISORDERS, veterinary/ OXYPHENBUTAZONE, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ SALICYLATES, therapeutic use

Hopman H, Kazner E, Kollmannsberger A: Zur Diagnostik von Hirntumoren. Treffsicherheit der ambulant durchfuhrbaren Zusatzuntersuchungen. Munch Med Wochenschr 115:1119-24, 15 Jun 73 (Ger)
ADULT/ AGED/ *AMBULATORY CARE/ ASTROCYTOMA, diagnosis/ BRAIN DISEASES, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ ECHOENCEPHALOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ GLIOBLASTOMA MULTIFORME, diagnosis/ HUMAN/ MALE/ MENINGIOMA, diagnosis/ MIDDLE AGE/ NEOPLASM METASTASIS/ OLIGODENDROGLIOMA, diagnosis/ RADIOISOTOPE SCANNING

Hoppe I: Schwangerschaftsinduzierte Leukocyten-(HL-A-)Antikörper.
Arch Gynaekol 215:199-214, 25 Jun 73 (82 ref.) (Ger)
ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, immunology/ FEMALE/ FETAL DEATH, immunology/ *FETUS, immunology/ *HISTOCOMPATIBILITY ANTIGENS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, immunology/ *ISOANTIBODIES/ LABOR, PREMATURE, immunology/ *LEUKOCYTES, immunology/ LEUKOPENIA, immunology/ MALE/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ PREGNANCY COMPLICATIONS, immunology/ REVIEW/ STERILITY, FEMALE, immunology/ TROPHOBLASTIC TUMOR, immunology

Hoppen HO, Hoogen H, Knuppen R: Metabolism of 2-hydroxyoestrogen methyl ethers in the rat liver.
Acta Endocrinol [Suppl] (Kbh) 173:2, 1973
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ ESTRONE, metabolism/ IN VITRO/ MASS SPECTRUM ANALYSIS/ METHYL ETHER, metabolism/ METHYLATION/ *MICROSOMES, LIVER, metabolism/ RATS

Hopper J Jr: Membranous glomerulonephritis.
Ann Intern Med 79:285-7, Aug 73
ADULT/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ KIDNEY FAILURE, ACUTE, etiology/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ REMISSION

1733. **Hör G, Frey KW:** Blande Struma. Nuklearmedizinische Diagnostik und Therapie.
Med Klin 68:1164-70, 7 Sep 73 (Ger)
ADOLESCENCE/ ADULT/ CHILD/ *GOITER, diagnosis/ GOITER, drug therapy/ GOITER, ENDEMIC, diagnosis/ GOITER, NODULAR, diagnosis/ GOITER, SUBSTERNAL, diagnosis/ HUMAN/ HYPOTHYROIDISM, diagnosis/ IODIDES, therapeutic use/ IODINE ISOTOPES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, diagnostic use/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, therapeutic use

1734. **Hör G, Kriegel H, Heidenreich P, et al:** Untersuchungen zum biologischen Verhalten von Radio-Technetium, Radio-Indium und Radio-Gallium während der Laktation.
Int J Appl Radiat Isot 24:525-9, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ *BONE AND BONES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, metabolism/ GALLIUM, blood/ GALLIUM, metabolism/ INDIUM, blood/ INDIUM, metabolism/ *LACTATION/ *MAMMAE, metabolism/ *MILK, metabolism/ PREGNANCY/ RADIOISOTOPES, blood/ *RADIOISOTOPES, metabolism/ RATS/ TECHNETIUM, blood/ TECHNETIUM, metabolism

1735. **Horai R, Nishihara H, Tateishi R, et al:** Oat-cell carcinoma of the lung simultaneously producing ACTH and serotonin.
J Clin Endocrinol Metab 37:212-9, Aug 73
AUTOPSY/ BIOLOGICAL ASSAY/ *CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, OAT CELL, blood/ CARCINOMA, OAT CELL, metabolism/ CARCINOMA, OAT CELL, urine/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, analysis/ DEXAMETHASONE, diagnostic use/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYINDOLEACETIC ACID, urine/ 17-KETOSTEROIDS, urine/ *LUNG NEOPLASMS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *SEROTONIN, analysis/ SEROTONIN, blood

1736. **Horan AH:** The pathogenesis of hydro-testis after ligation of the vas deferens: a study in several species.
J Urol 110:317-21, Sep 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CELL MOVEMENT/ DILATATION/ EPIDIDYMIS, pathology/ EPIDIDYMIS, physiopathology/ HAMSTERS/ HUMAN/ LIGATION/ MALE/ MICE/ MICROSCOPY, PHASE CONTRAST/ MONKEYS/ ORGAN WEIGHT/ RABBITS/ RATS/ SPERMATOZOA, cytology/ *TESTIS/ TESTIS, pathology/ TESTIS, physiopathology/ VAS DEFERENS, pathology/ *VAS DEFERENS, physiology

1737. **Hořejší J:** Metastazování malignich nádorů ovaria.
Cesk Gynekol 38:460-4, Jul 73 (Cze)
FEMALE/ HUMAN/ *NEOPLASM METASTASIS, diagnosis/ *OVARIAN NEOPLASMS, diagnosis

1738. **Horiuchi J, Suzuki S, Okuyama T, et al:** [Seminomatous tumor of the mediastinum]
Jap J Clin Radiol 18:501-7, Jul 73 (Jap)
ADOLESCENCE/ ADULT/ *DISGERMINOMA, radiotherapy/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS, radiotherapy

1739. **Horiuchi N, Itakura N, Tatsumi N, et al:** [2 cases of Klinefelter's syndrome with diabetes]
Jap J Clin Med 31:1121-5, May 73 (Jap)
ADOLESCENCE/ ADULT/ *DIABETES MELLITUS, complications/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE

1740. **Horký K, Rojo-Ortega JM, Boucher R, et al:** Role of the

renal lymph in relation to the renin-angiotensin system in the rat. Physiol Bohemoslov 22:1-9, 1973
*ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ JUXTAGLOMERULAR APPARATUS, metabolism/ *KIDNEY, metabolism/ *LYMPH/ MALE/ NEPHRECTOMY/ RATS/ RENAL VEINS/ *RENIN, metabolism/ RENIN, secretion/ VENA CAVA, INFERIOR

1741. **Horn AS**: Structure-activity relations for the inhibition of catecholamine uptake into synaptosomes from noradrenaline and dopaminergic neurones in rat brain homogenates. Br J Pharmacol 47:332-8, Feb 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CATECHOLAMINES, antagonists & inhibitors/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ *DOPAMINE, physiology/ HYDROXYLATION/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ METHYLATION/ *NERVE ENDINGS, metabolism/ *NEURONS, physiology/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ PHENETHYLAMINES, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TRITIUM

1742. **Horn AS, Baumgarten HG, Schlosserberger HG**: Inhibition of the uptake of 5-hydroxytryptamine, noradrenaline and dopamine into rat brain homogenates by various hydroxylated tryptamines. J Neurochem 21:233-6, Jul 73
ANIMAL EXPERIMENTS/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ *DOPAMINE, metabolism/ *GANGLIA, BASAL, metabolism/ HYDROXYLATION/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ IN VITRO/ KINETICS/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ *TRYPTAMINES, pharmacodynamics

1743. **Horn H, Horn Y**: [Prolactin and breast cancer] Harefuah 85:93-4, 15 Jul 73 **(Heb)**
*BREAST NEOPLASMS, etiology/ FEMALE/ HUMAN/ PITUITARY GLAND, physiology/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PROLACTIN, physiology

1744. **Horne HW Jr, Clyman M, Debrovner C, et al**: The prevention of postoperative pelvic adhesions following conservative operative treatment for human infertility. A final 3-year follow-up report. Int J Fertil 18:109-15, 1973
ABORTION/ *ADHESIONS, prevention & control/ ADHESIONS, surgery/ ADULT/ AGE FACTORS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ FALLOPIAN TUBES, surgery/ FEMALE/ FERTILIZATION/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ OVARY, surgery/ *PELVIS/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PREGNANCY/ PREGNANCY, ECTOPIC/ PROMETHAZINE, administration & dosage/ *PROMETHAZINE, therapeutic use/ *STERILITY, FEMALE, surgery/ TIME FACTORS/ UTERUS, surgery

1745. **Hornsby VP**: An experience in family planning in Nairobi. East Afr Med J 49:714-24, Oct 72
ATTITUDE TO HEALTH/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ KENYA/ SOCIOECONOMIC FACTORS

1746. **Hornych A, Safar M, Papanicolaou N, et al**: Effets hémodynamiques de la prostaglandine A2 chez l'hypertendu essentiel.
Ann Med Interne (Paris) 124:355-8, Apr 73 **(Fre)**
ADULT/ BLOOD, drug effects/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ DIURESIS, drug effects/ GLOMERULAR FILTRATION RATE/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION/ KIDNEY, drug effects/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FI drug effects/ RENIN, blood/ SODIUM, uri

1747. **Horrobin DF, Lipton A, Muiruri KL, et al**: An inhib effect of prolactin on the response of rat myomet to oxytocin. Experientia 29:109-10, 1 May
ANIMAL EXPERIMENTS/ FEMALE/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, antagonists & inhibi OXYTOCIN, pharmacodynamics/ *PROLAC pharmacodynamics/ RATS/ TIME FACTOR *UTERUS, drug effects

1748. **Horrobin DF, Manku MS, Robertshaw D**: Water-l action of antidiuretic hormone in the presen excess cortisol: restoration of normal actio prolactin or by oxytocin. J Endocrinol 58:135-6,
ANIMAL EXPERIMENTS/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ KIDNEY, effects/ *OXYTOCIN, pharmacodynamics/ POTASSIUM, urine/ *PROLACTIN, pharmacodynamics/ SHEEP/ SODIUM, urin *VASOPRESSIN, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE, drug effects

1749. **Horstmann G, Schwarz R, Neurand K**: Die Corpus-luteum-Zyste des Rindes. Mikromorph und Diskussion ihrer Entstehung.
Zentralbl Veterinaermed [A] 20:292-304, May 73
ANIMAL EXPERIMENTS/ CATTLE/ *CAT DISEASES, pathology/ ENGLISH ABSTRA FEMALE/ OVARIAN CYSTS, pathology/ *OVARIAN CYSTS, veterinary

1750. **Horvath E, Kovacs K**: Effect of temporary ischen the fine structure of the rat adrenal co
Pathol Eur 8:43-59, 1973
ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ANOXIA/ CONSTRICTIO CYTOPLASM/ ENDOPLASMIC RETICULU ENDOTHELIUM/ EXTRACELLULAR SPA FEMALE/ INFARCTION/ *ISCHEMIA, pathology/ LYSOSOMES/ MICROCIRCULATION/ MICROSCOPY, ELECTRON/ MITOCHONDRIAL SWELLIN NECROSIS/ ORGANOIDS/ RATS/ TIME FACTORS

1751. **Horwitz J, Heller J**: Interactions of all-trans, 9-, 11 13-cis-retinal, all-trans-retinyl acetate, and re acid with human retinol-binding protein a prealbumin. J Biol Chem 248:6317-24, 25 S
ACETIC ACIDS/ APOPROTEINS/ BINDIN COMPETITIVE/ BINDING SITES/ *BLOO PROTEINS/ BOROHYDRIDES/ CAROTEN CIRCULAR DICHROISM/ FATTY ACIDS, UNSATURATED/ FLUORESCENCE SPECTROMETRY/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRAT ISOMERISM/ OPTICAL ROTATION/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ PROTEIN BINDING/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROXINE-BINDING PROTEIN/ *VITA A

1752. **Hosain F**: Technetium-99m labelled pyrophosph simple and reproducible bone scanning a
Br J Radiol 46:724-8, Sep 73
ANIMAL EXPERIMENTS/ *BONE AND BONES/ DOGS/ FEMALE/ HUMAN/ METHODS/ MICE/ MIDDLE AGE/ PYROPHOSPHATES, chem synthesis/ *PYROPHOSPHATES, diagnostic use/ *RADIOISOTOPE SCANNING/ *TECHNET diagnostic use/ WHOLE BODY COUNTE

1753. **Hošek B, Novák I, Mišustova J**: Raschet izm temperatury tela i teplovoĭ izoliatsii u myshe vvedeniia radiozashchitnykh veschchestv.
Biofizika 18:681-7, Jul-Aug 73

AET, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ COMPUTERS, ANALOG/ CYSTAMINE, pharmacodynamics/ ENGLISH ABSTRACT/ HISTAMINE, pharmacodynamics/ MALE/ MICE/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ SEROTONIN, pharmacodynamics

Hoshino K: Effects of 2-BR-alpha-ergokryptine (CB 154) on sex-linked rejection of pituitary isografts in female C57BL mice. Experientia 29:882-4, 1973
ANIMAL EXPERIMENTS/ BROMINE, pharmacodynamics/ *ERGOT ALKALOIDS, pharmacodynamics/ ESTRUS/ FEMALE/ GRAFT REJECTION, drug effects/ *GRAFT VS HOST REACTION, drug effects/ MAMMAE, surgery/ MICE/ MICE, INBRED C57BL/ PITUITARY GLAND, secretion/ *PITUITARY GLAND, transplantation/ *PROLACTIN, secretion/ TRANSPLANTATION, HOMOLOGOUS

oskins DJ, Chamberlain MJ: Calcium balance in chronic renal failure. A study using in vivo neutron activation analysis. Q J Med 42:467-79, Jul 73
ACTIVATION ANALYSIS/ ADULT/ BIOPSY/ *CALCIUM, metabolism/ CREATININE, metabolism/ FEMALE/ HUMAN/ ILIUM, pathology/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, drug therapy/ OSTEITIS FIBROSA CYSTICA, metabolism/ OSTEOMALACIA, drug therapy/ OSTEOMALACIA, metabolism/ VITAMIN D, therapeutic use

oskins DJ, Chamberlain MJ: Osteoporosis and long-term corticosteroid therapy.
r Med J 3:125-7, 21 Jul 73
ACTIVATION ANALYSIS/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *BODY COMPOSITION/ *CALCIUM, analysis/ CALCIUM ISOTOPES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEUTRONS/ OSTEOPOROSIS, chemically induced/ *OSTEOPOROSIS, etiology/ PREDNISONE, therapeutic use/ WHOLE BODY COUNTERS

ta K: [Mechanism of muscular contraction and its gulation]
Physiol Soc Jap 34:727-38, Nov 72 (50 ref.) (Jap)
ACTIN/ ACTOMYOSIN/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE DIPHOSPHATE/ ADENOSINE TRIPHOSPHATASE/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CALCIUM/ ENZYME ACTIVATION/ MEROMYOSINS/ MODELS, BIOLOGICAL/ *MUSCLE CONTRACTION/ MYOSIN/ REVIEW/ TROPOMYOSIN

t J, Minne H, Ziegler R: Untersuchungen zu den ziehungen zwischen exkretorischer nkreasfunktion und Calciumhaushalt beim nschen.
rh Dtsch Ges Inn Med 78:1420-3, 1972 (Ger)
ADULT/ CALCIUM, blood/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ *PANCREAS, secretion/ THYROCALCITONIN, physiology

hton J, Phillips EM: The pharmacology of human ated pulmonary vascular tissue.
J Pharmacol 47:676P-677P, Mar 73
CETYLCHOLINE, pharmacodynamics/ PINEPHRINE, pharmacodynamics/ ISTAMINE, pharmacodynamics/ HUMAN/ IN ITRO/ ISOPROTERENOL, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ USCLE, SMOOTH, drug effects/ NICOTINE, armacodynamics/ NOREPINEPHRINE, armacodynamics/ PHENYLEPHRINE, armacodynamics/ *PULMONARY ARTERY, ug effects/ *PULMONARY VEINS, drug fects/ SEROTONIN, pharmacodynamics/ ACHYPHYLAXIS, drug effects

1760. Houillon C, Charlemagne J, Goujon P: Heraphrodisme des chimères allogéniques chez l'Amphibien Urodèle, Pleurodeles waltlii Michah.
C R Acad Sci [D] (Paris) 276:1617-20, 5 Mar 73 (Fre)
*AMPHIBIA/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ GONADS, anatomy & histology/ GONADS, growth & development/ *HERMAPHRODITISM/ MALE/ *MOSAICISM

1761. House CR, Ginsborg BL, Silinsky EM: Dopamine receptors in cockroach salivary gland cells.
Nature [New Biol] 245:63, 12 Sep 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ *COCKROACHES, metabolism/ *DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ NEURONS, drug effects/ NEURONS, metabolism/ PHENTOLAMINE, pharmacodynamics/ *RECEPTORS, DRUG/ SALIVARY GLANDS, innervation/ *SALIVARY GLANDS, metabolism/ SEROTONIN, pharmacodynamics

1762. Hove K, Blom AK: Plasma insulin and growth hormone in dairy cows; diurnal variation and relation to food intake and plasma sugar and acetoacetate levels.
Acta Endocrinol (Kbh) 73:289-303, Jun 73
*ACETOACETATES, blood/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BLOOD SUGAR, analysis/ CATTLE/ CIRCADIAN RHYTHM/ *FEEDING BEHAVIOR/ FEMALE/ *INSULIN, blood/ LACTATION/ MOLASSES/ SILAGE/ *SOMATOTROPIN, blood

1763. Howell SL: Secretion of growth hormone in the rat.
Postgrad Med J 49:Suppl 1:127-31, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ MEMBRANE POTENTIALS/ MICROTUBULES, metabolism/ RATS/ SOMATOTROPIN, biosynthesis/ *SOMATOTROPIN, secretion

1764. Howells AJ: Levels of RNA and DNA in Drosophila melanogaster at different stages of development: a comparison between one bobbed and two phenotypically non-bobbed stocks.
Biochem Genet 6:217-30, Apr 72
ANIMAL EXPERIMENTS/ *DNA, metabolism/ DROSOPHILA MELANOGASTER, cytology/ *DROSOPHILA MELANOGASTER, growth & development/ DROSOPHILA MELANOGASTER, metabolism/ FEMALE/ GENOTYPE/ LARVA, growth & development/ MALE/ MUTATION/ PHENOTYPE/ PUPA, growth & development/ RIBOSOMES/ RNA, analysis/ *RNA, metabolism/ RNA, RIBOSOMAL, biosynthesis/ SEX CHROMOSOMES/ URIC ACID

1765. Hrubesch M, Böckel K, Vosberg H, et al: Hyperthyreose durch TSH-produzierendes chromophobes Hypophysenadenom.
Verh Dtsch Ges Inn Med 78:1529-32, 1972 (Ger)
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, metabolism/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, metabolism/ THYROTROPIN, secretion

1766. Hrubiško M, Fábryová L, Lipšic T: Therapeutische Beeinflussung der Polycythaemia vera durch übertrangene antierythrozytäre Antikörper.
Haematologia (Budap) 7:25-33, 1973 (Ger)
*ANTIBODIES/ ANTIHISTAMINICS, therapeutic use/ BLOOD VOLUME/ ERYTHROCYTE COUNT/ *ERYTHROCYTES, immunology/ FEVER, prevention & control/ HEMATOCRIT/ HUMAN/ *PASSIVE TRANSFER/ *POLYCYTHEMIA VERA, therapy/ PREDNISONE, therapeutic use

1767. Huang JS, Liu SS, Ling KH, et al: Iodination of cobrotoxin. Toxicon 11:39-45, Jan 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ANTIVENINS/ CHEMISTRY/ ELECTROPHORESIS/ GEL DIFFUSION TESTS/ HYDROLYSIS/ *IODINE/ IODINE, toxicity/ IODINE ISOTOPES/ METHYLATION/

PEPTIDES/ PRECIPITIN TESTS/ *SNAKES/ TOXINS, analysis/ TOXINS, toxicity/ TRYPSIN/ TYROSINE/ *VENOMS

1768. **Hubbard JE:** A three-dimensional scale model of the human brain stem. Med Biol Illus 23:78-81, May 73
*BRAIN STEM, anatomy & histology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ *MODELS, STRUCTURAL/ THALAMUS, anatomy & histology

1769. **Hubbell HR, Borgaonkar DS, Bolling DR:** Dermatoglyphic studies of the 47,XYY male. Clin Genet 4:145-57, 1973
*DERMATOGLYPHICS/ HUMAN/ KARYOTYPING/ LEUKOCYTES/ MALE/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX DETERMINATION

1770. **Huber AM, Gershoff SN:** Effects of dietary zinc on zinc enzymes in the rat. J Nutr 103:1175-81, Aug 73
ALKALINE PHOSPHATASE, blood/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BONE AND BONES, enzymology/ BRAIN, enzymology/ *CARBONIC ANHYDRASE, metabolism/ DEFICIENCY DISEASES, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUODENUM, enzymology/ ENZYMES, blood/ ERYTHROCYTES, enzymology/ *GLUTAMATE DEHYDROGENASE, metabolism/ KIDNEY, enzymology/ *LACTATE DEHYDROGENASE, metabolism/ MALE/ METALLOPROTEINS, metabolism/ MITOCHONDRIA, enzymology/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PITUITARY GLAND, enzymology/ RATS/ STOMACH, enzymology/ ZINC, administration & dosage/ *ZINC, pharmacodynamics

1771. **Hudcovič A, Kirňáková J:** Syndróm testikulárnej feminizácie.
Bratisl Lek Listy 59:641-7, Jun 73 (Slo)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ SYNDROME/ *TESTICULAR FEMINIZATION/ TESTICULAR FEMINIZATION, diagnosis/ TESTICULAR FEMINIZATION, surgery

1772. **Hüfner M, Hesch RD, Heinrich U, et al:** Plasma triiodothyronine at the end of pregnancy, in the cord blood and in the first days of the newborn.
Z Kinderheilkd 114:301-4, 1973
FEMALE/ HUMAN/ *INFANT, NEWBORN/ *PREGNANCY/ PUERPERIUM/ THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood/ UMBILICAL CORD

1773. **Hüfner M, Hesch RD, Lüders D, et al:** Plasma T-3 at the end of pregnancy in cord blood and during the first days of life.
Acta Endocrinol [Suppl] (Kbh) 173:16, 1973
BLOOD/ FEMALE/ FETUS/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *TRIIODOTHYRONINE, blood/ UMBILICAL CORD

1774. **Hughes BO:** The effect of implanted gonadal hormones on feather pecking and cannibalism in pullets.
Br Poult Sci 14:341-8, Jul 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *CHICKENS, physiology/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEATHERS/ FEMALE/ OVULATION/ POULTRY DISEASES, prevention & control/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ *SEX HORMONES, administration & dosage/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use/ TIME FACTORS

1775. **Hughes IE, Kirk JA, Kneen B, et al:** An assessment of sympathetic function in isolated tissues from mice given nerve-growth-factor antiserum and 6-hydroxydopamine. Br J Pharmacol 47:748-59,
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ FLUORESCENCE/ HEAR ATRIUM, drug effects/ HEART RATE, d effects/ HISTOCYTOCHEMISTRY/ *HYDROXYDOPAMINE, pharmacodynamic ILEUM, drug effects/ *IMMUNE SERUM: VITRO/ INTESTINES, drug effects/ MAI MICE/ MICE, INBRED STRAINS/ *NERV GROWTH FACTOR/ NOREPINEPHRINE, pharmacodynamics/ *SYMPATHETIC NER SYSTEM, drug effects/ VAS DEFERENS effects

1776. **Hughes RE:** George Budd (1808-1882) and nutr deficiency diseases. Med Hist 17:127-35,
DIETETICS, history/ ENGLAND/ HISTOI ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ *RICKETS, history/ *SCURVY, history/ *VITAMIN A DEFICIENCY, hist

1777. **Hugli TE, Bustin M, Moore S:** Spectrophotometri of 2',3'-cyclic nucleotide 3'-phosphohydrol application to the enzyme in bovine bra Brain Res 58:191-203, 17 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSP pharmacodynamics/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENO TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CATTLE/ *CYTOSINE NUCLEOTIDES, metabolism/ HYDROGEN-ION CONCENTRATION/ MYELIN SHEATH, enzymology/ PHOSPHATASES, antagonis inhibitors/ *PHOSPHATASES, metabolism

1778. **Huhtaniemi I:** Identification and quantifica unconjugated neutral steroids in adrenal an tissue of early and mid-term human fe Steroids 21:511-9, Apr 73
*ADRENAL GLANDS, analysis/ *ANDROSTENES, analysis/ ANDROSTEN isolation & purification/ *ANDROSTERO analysis/ ANDROSTERONE, isolation & purification/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ *CORTICOSTERONE, analysis/ CORTICOSTERONE, isolation & purifica *FETUS, analysis/ HUMAN/ *LIVER, an MASS SPECTRUM ANALYSIS/ PREGN/ *PREGNENOLONE, analysis/ STIGMAST analysis/ STIGMASTEROL, isolation & purification

1779. **Huijing F, Eicher EM, Coleman DL:** Loca phosphorylase kinase (Phk) in the mou chromosome. Biochem Genet 9:193-6, Jun
ANIMAL EXPERIMENTS/ CROSSING O (GENETICS)/ FEMALE/ *GENES/ MAL MICE/ MUSCLES, cytology/ MUSCLES, enzymology/ *PHOSPHORYLASE KINAS biosynthesis/ *SEX CHROMOSOMES/ SPECTROPHOTOMETRY

1780. **Huis in 't Veld LG, Smit PJ, Kok GL, et al:** On van weefsels van slachtkalveren op resid exogene oestrogene stoffen.
Tijdschr Diergeneeskd 98:749-57, 15 Aug
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ENGLISH ABSTRAC *ESTRADIOL, analysis/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ O WEIGHT/ RATS/ TESTOSTERONE, pharmacodynamics/ UTERUS, drug effe VAGINAL SMEARS

1781. **Hull EM, Langan CJ, Rosselli L:** Population de social, territorial, and physiological measure gerbil (Meriones unguiculatus).
J Comp Physiol Psychol 84:414-22, Aug
ADRENAL GLANDS, anatomy & histol ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ *CROWDIN EXPLORATORY BEHAVIOR/ FEMALE *GERBILS, physiology/ HOUSING, ANI MALE/ ORGAN WEIGHT/ PHEROMON *POPULATION DENSITY/ SEX FACTO SOCIAL BEHAVIOR/ SOCIAL ISOLAT

TERRITORIALITY/ TESTIS, anatomy & histology

Hülse R, Hahn K, Wolf R: Die Bestimmung des Schilddrüsengewichtes mit Hilfe von Szintigraphie und Ultraschall-Tomographie.
Strahlentherapie [Sonderb] 72:454-7, 1972 (Ger)
ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES/ METHODS/ ORGAN WEIGHT/ *RADIOISOTOPE SCANNING/ *THYROID GLAND, anatomy & histology/ TOMOGRAPHY/ ULTRASONICS

Human L: Side-effects from oral contraceptives.
S Afr Med J 47:1444, 16 Aug 73
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *TELANGIECTASIS, chemically induced

Humphrey MJ, Lindup E, Parke DV, et al: The effect of carbenoxolone on the subcellular distribution of (3 H) aldosterone in rat kidney.
Biochem J 130:87P-88P, Nov 72
*ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, metabolism/ *GLYCYRRHIZA/ KIDNEY, drug effects/ *KIDNEY, metabolism/ RATS/ *TERPENES, pharmacodynamics/ TRITIUM

Humphreys PN: Behavioural and morphological changes in the mallard and their relationship to plasma oestrogen concentrations.
J Endocrinol 58:353-4, Aug 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *DUCKS, physiology/ *ESTRADIOL, blood/ *FEATHERS/ FEMALE/ MALE/ SEASONS/ SEX FACTORS

Hungen D von, Roberts S: Adenylate-cyclase receptors for adrenergic neurotransmitters in rat cerebral cortex. Eur J Biochem 36:391-401, 16 Jul 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE/ *ADENYL CYCLASE, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ *CEREBRAL CORTEX, enzymology/ *CHEMORECEPTORS/ CORTICOTROPIN, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LH, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ MITOCHONDRIA, enzymology/ NEURAL TRANSMISSION/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ THYROTROPIN, pharmacodynamics

Hunt DM, Johnson DR: Aromatic amino acid metabolism in brindled (Mobr) and viable-brindled (Movbr), two alleles at the mottled locus in the mouse.
Biochem Genet 6:31-40, Feb 72
ALLELES/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ DOPAMINE, metabolism/ ENZYME INDUCTION/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ LINKAGE (GENETICS)/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MICE, growth & development/ MUTATION/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ PHENYLALANINE, blood/ *PHENYLALANINE, metabolism/ PHENYLALANINE HYDROXYLASE, metabolism/ SEROTONIN, metabolism/ SEX CHROMOSOMES/ SPLEEN, metabolism/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN OXYGENASE, metabolism/ TYROSINE, blood/ *TYROSINE, metabolism/ TYROSINE AMINOTRANSFERASE, metabolism

Hunter C, Clegg EJ: Changes in skeletal proportions of the rat in response to hypoxic stress.
J Anat 114:201-19, Feb 73
ADAPTATION, PHYSIOLOGICAL/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANOXIA/ BODY WEIGHT/ *BONE AND BONES, growth & development/ *BONE DEVELOPMENT/ FEMUR, growth & development/ MALE/ RADIUS, growth & development/ RATS/ *RATS, growth & development/ *STRESS/ TAIL, growth & development/ TIBIA, growth & development

1789. **Hunter DR, Norberg CL, Segel IH:** Effect of cycloheximide on L-leucine transport by Penicillium chrysogenum: involvement of calcium.
J Bacteriol 114:956-60, Jun 73
BUFFERS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CITRATES, metabolism/ *CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDTA, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ *LEUCINE, metabolism/ *PENICILLIUM, metabolism/ PENICILLIUM CHRYSOGENUM, drug effects/ PENICILLIUM CHRYSOGENUM, metabolism/ PHOSPHATES, metabolism/ TIME FACTORS

1790. **Hunter JD:** Autoradiographic studies of gonadotrophin action on germ cell maturation rate.
J Endocrinol 58:133-4, Jul 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *GERM CELLS, drug effects/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ MICE/ TESTIS, metabolism/ THYMIDINE, metabolism/ TRITIUM

1791. **Hunter WM, Bolton AE, Nars PW:** Radioimmunoassay of urinary oestradiol. J Endocrinol 58:xxi, Jul 73
*ESTRADIOL, urine/ HISTAMINE/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY

1792. **Hurst KS, Byar DP:** An analysis of the effects of changes from the assigned treatment in a clinical trial of treatment for prostatic cancer.
J Chronic Dis 26:311-24, May 73
ACID PHOSPHATASE, metabolism/ CARDIOVASCULAR DISEASES, chemically induced/ CLINICAL RESEARCH/ DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ PLACEBOS/ PROSTATECTOMY/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy/ TESTIS, surgery/ TIME FACTORS

1793. **Hutchins DA, Rogers KJ:** Effect of depletion of cerebral monoamines on the concentration of glycogen and on amphetamine-induced glycogenolysis in the brain. Br J Pharmacol 48:19-29, May 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, metabolism/ DOPAMINE, metabolism/ ESTERS, pharmacodynamics/ *GLYCOGEN, metabolism/ LOCOMOTION, drug effects/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ NOREPINEPHRINE, metabolism/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ THIOCARBAMATES, pharmacodynamics/ TIME FACTORS

1794. **Hynie J:** Paktory nedokonalé sexuální differenciace.
Cesk Psychiatr 69:72-9, Apr 73 (Cze)
ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PSYCHOANALYTIC INTERPRETATION/ *SEX DIFFERENTIATION DISORDERS, diagnosis/ TESTICULAR FEMINIZATION, diagnosis/ TRANSSEXUALISM

1795. **Hynie S, Sharp GW:** The effect of cholera toxin on

intestinal adenyl cyclase.
Adv Cyclic Nucleotide Res 1:163-74, 1972
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *CHOLERA/ CHOLERA, enzymology/ DIARRHEA, etiology/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ ILEUM, drug effects/ ILEUM, enzymology/ IN VITRO/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, enzymology/ JEJUNUM, drug effects/ JEJUNUM, enzymology/ PHOSPHODIESTERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PYROPHOSPHATES, pharmacodynamics/ RABBITS/ TETROSES, pharmacodynamics/ TIME FACTORS/ *TOXINS, pharmacodynamics

1796. **Hyvärinen H, Valtonen T:** Seasonal changes in the liver mineral content of Coregonus nasus (Pallas), Sensu Svärdson, in the Bay of Bothnia.
Comp Biochem Physiol [B] 45:875-81, 15 Aug 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *COPPER, metabolism/ FEMALE/ FINLAND/ *LIVER, metabolism/ *MAGNESIUM, metabolism/ MALE/ *SALMONIDAE, metabolism/ SEASONS/ SEX FACTORS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ *ZINC, metabolism

1797. **Hyyppä MT, Cardinali DP, Baumgarten HG, et al:** Rapid accumulation of H3-serotonin in brains of rats receiving intraperitoneal H3-tryptophan: effects of 5,6-dihydroxytryptamine or female sex hormones.
J Neural Transm 34:111-24, 1973
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ *ESTRADIOL, pharmacodynamics/ FEMALE/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TRITIUM/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN, pharmacodynamics

I

1798. **Ianson ZA:** Vliianie mezentsefalicheskoi retikuliarnoi formatsii na prostranstvennuiu sinkhronizatsiiu biopotentsialov golovnogo mozga.
Zh Vyssh Nerv Deiat 23:159-65, Jan-Feb 73 (Rus)
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, physiology/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ PARIETAL LOBE, physiology/ RABBITS/ *RETICULAR FORMATION, physiology/ *THALAMIC NUCLEI, physiology/ TIME FACTORS/ VISUAL CORTEX, physiology

1799. **Ichii S, Iwanaga Y, Ikeda A:** Effect of sex hormones on the activity of protein kinases in rat ventral prostate and uterus. Endocrinol Jap 20:33-7, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *PHOSPHOTRANSFERASES, metabolism/ PROSTATE, drug effects/ *PROSTATE, enzymology/ PROTEIN KINASE, metabolism/ RATS/ *TESTOSTERONE, pharmacodynamics/ UTERUS, drug effects/ *UTERUS, enzymology

1800. **Ignarro LJ:** Preservation of structural integrity of liver lysosomes and membrane-stabilizing action of anti-inflammatory drugs, catecholamines and cyclic adenosine monophosphate in isotonic salt media.
Biochem Pharmacol 22:1269-82, 1 Jun 73
ACID PHOSPHATASE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CULTURE MEDIA/ GALACTOSIDASE, metabolism/ GLUCURONIDASE, metabolism/ HEPARIN pharmacodynamics/ HYDROLASES, metab IN VITRO/ ISOTONIC SOLUTIONS, pharmacodynamics/ *LIVER, cytology/ *LYSOSOMES, drug effects/ LYSOSOMES enzymology/ MALE/ MEMBRANES, drug effects/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN DENATURATION, drug effects/ RATS/ SUCROSE/ SULFATES/ TIME FACTORS

1801. **Ignarro LJ, Krassikoff N, Slywka J:** Release of en from a rat liver lysosome fraction: inhibit catecholamines and cyclic3', 5'-adenosine monophosphate, stimulation by cholinergic and cyclic 3', 5'-guanosine monophosphate
J Pharmacol Exp Ther 186:86-99, Jul 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMA EXPERIMENTS/ ATROPINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ DOPA, pharmacodyna EPINEPHRINE, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ VITRO/ ISOPROTERENOL, pharmacodyn *LIVER, cytology/ *LYSOSOMES, enzym MEMBRANES/ METHACHOLINE COMPO pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PHOSPHODIESTERA metabolism/ PHOSPHORUS ISOTOPES/ RESERPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FAC

1802. **Ignatovich VF:** Experimental study of latency in infection.
J Hyg Epidemiol Microbiol Immunol (Pr 17:176-83, 1973
ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL, analysis/ ANTIBODY FORMATION/ BONE MARROW, microbi BRAIN, microbiology/ CARRIER STATE immunology/ *CARRIER STATE, microb COMPLEMENT FIXATION TESTS/ CORTISONE, administration & dosage/ *DISEASE MODELS, ANIMAL/ GUINEA KIDNEY, microbiology/ LIVER, microbi LYMPH NODES, microbiology/ RATS/ RICKETTSIA PROWAZEKII, growth & development/ RICKETTSIA PROWAZEK immunology/ RICKETTSIA PROWAZEKI isolation & purification/ SPLEEN, microbiology/ TIME FACTORS/ TYPHU blood/ TYPHUS, drug therapy/ TYPHU immunology/ *TYPHUS, microbiology/ V REPLICATION

1803. **Iizuka R, Yamanaka K:** [SLE and pregnancy--e exogenous corticosteroids on urinary excr estriol]
Clin Endocrinol (Tokyo) 21:401-8, Apr 73 (
ADULT/ *CORTICOSTERONE, pharmacodynamics/ CORTICOSTERONE, therapeutic use/ DEHYDROEPIANDROSTERONE, metabo *ESTRIOL, urine/ FEMALE/ HUMAN/ ERYTHEMATOSUS, SYSTEMIC, drug th *LUPUS ERYTHEMATOSUS, SYSTEMIC urine/ MATERNAL-FETAL EXCHANGE PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY COMPLICATIONS, urine REVIEW

1804. **Ikeda E, Nicolau W, Muramoto E, et al:** Sepa compostos iodados biliares e fecais por filtr Sephadex G 25 M. Estudo do metaboli entero-hepático da 125I-tiroxina.
Rev Assoc Med Bras 19:131-6, Apr 73
ANIMAL EXPERIMENTS/ *BILE, analy CHROMATOGRAPHY, PAPER/ ENGLIS ABSTRACT/ *FECES, analysis/ *GEL FILTRATION/ *INTESTINES, metaboli

IODINE ISOTOPES/ *LIVER, metabolism/ METHODS/ RATS/ *THYROXINE, metabolism

Ikeda M: Die extravaskulären Saftbahnen zwischen der Schilddrüse und dem Thymus.
Yonago Acta Med 16:135-60, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ *BODY FLUIDS/ ENGLISH ABSTRACT/ RABBITS/ *THYMUS GLAND/ *THYROID GLAND

Ikonicoff LK de: Etude histochimique du placenta humain. Localisation ultrastructurale de l'hormone chorionique somatomammotrophique (HCS) par une technique immunocytochimique à la peroxydase.
C R Acad Sci [D] (Paris) 276:3355-8, 18 Jun 73 (Fre)
CELL WALL/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *PEROXIDASES/ *PLACENTA, analysis/ *PLACENTAL HORMONES, analysis/ PREGNANCY/ PROLACTIN, analysis/ SUBCELLULAR FRACTIONS, analysis

Ikonicoff LK de, Cedard L: Localization of human chorionic gonadotropic and somatomammotropic hormones by the peroxidase immunohistoenzymologic method in villi and amniotic epithelium of human placentas (from six weeks to term).
Am J Obstet Gynecol 116:1124-32, 15 Aug 73
*AMNION, analysis/ EPITHELIUM, analysis/ FEMALE/ GEL DIFFUSION TESTS/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNE SERUMS, analysis/ *IMMUNOELECTROPHORESIS/ MATERNAL-FETAL EXCHANGE/ *PEROXIDASES/ *PLACENTA, metabolism/ PREGNANCY/ *SOMATOTROPIN, analysis/ TIME FACTORS

Ilbery PL, Rickinson AB: Radiation carcinogenesis.
Australas Radiol 17:66-77, Mar 73 (96 ref.)
ANEUPLOIDY, radiation effects/ ANIMAL EXPERIMENTS/ ATOMIC WARFARE/ CELL TRANSFORMATION, NEOPLASTIC, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HUMAN/ IMMUNITY, radiation effects/ JAPAN/ LEUKEMIA, EXPERIMENTAL, etiology/ LEUKEMIA, RADIATION-INDUCED, mortality/ LEUKEMIA, RADIATION-INDUCED, occurrence/ MICE/ MICE, INBRED C57BL/ *NEOPLASMS, RADIATION-INDUCED/ NEOPLASMS, RADIATION-INDUCED, mortality/ OCCUPATIONAL DISEASES, etiology/ POLYCYTHEMIA VERA, radiotherapy/ RADIATION EFFECTS/ RADIOTHERAPY, adverse effects/ RADIUM, adverse effects/ REVIEW/ SPONDYLITIS, ANKYLOSING, radiotherapy/ THORIUM DIOXIDE, adverse effects/ THYROID NEOPLASMS, etiology/ URANIUM, adverse effects

Illingworth DV, Ackland N, Heap RB, et al: Progesterone-binding proteins: occurrence, capacity and binding affinity in hystricomorph rodents.
J Endocrinol 58:ii, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CHINCHILLAS/ FEMALE/ GUINEA PIGS/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, blood/ *PROTEIN BINDING/ *RODENTS, physiology

Imaizumi K: [A study on etiology and treatment of cataract]
Acta Soc Ophthalmol Jap 77:192-215, 1973 (Jap)
ADULT/ AGED/ AMINO ACIDS, therapeutic use/ ANIMAL EXPERIMENTS/ *CATARACT/ CATARACT, drug therapy/ CATARACT, etiology/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ FEMALE/ GLYCINE, therapeutic use/ HUMAN/ HYPOPARATHYROIDISM, complications/ LIVER DISEASES, complications/ MALE/ MIDDLE AGE/ RATS/ SKIN DISEASES, complications/ STEROIDS, adverse effects/ SULFHYDRYL COMPOUNDS, therapeutic use

1811. Imparato E, Marino L, Sallusto A: Valutazione clinica controllata di un nuovo farmaco nella sindrome menopausale.
Arch Ostet Ginecol 77:203-33, May-Jun 72 (Ita)
ADULT/ AGED/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LACTONES, pharmacodynamics/ *MENOPAUSE, drug effects/ MIDDLE AGE/ *RESORCINOL, pharmacodynamics/ SYNDROME

1812. Inaba M, Kamata K: Effect of ouabain in vivo on corticosterone secretion of rat adrenal gland.
Endocrinol Jap 19:557-65, Dec 72
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ MALE/ ORGAN WEIGHT/ OUABAIN, administration & dosage/ *OUABAIN, pharmacodynamics/ RATS/ TRITIUM

1813. Inaba Y, Costandi YT, Kerr AA, et al: Ascension of the testis after correction of kyphoscoliosis.
J Urol 110:219-20, Aug 73
ADOLESCENCE/ CASTRATION/ HUMAN/ KYPHOSIS, complications/ KYPHOSIS, radiography/ *KYPHOSIS, surgery/ MALE/ *POSTOPERATIVE COMPLICATIONS/ SCOLIOSIS, complications/ SCOLIOSIS, radiography/ *SCOLIOSIS, surgery/ *TESTICULAR DISEASES, etiology/ TESTICULAR DISEASES, pathology/ TESTICULAR DISEASES, surgery

1814. Inada M, Okabe J, Kazawa Y, et al: [Thyroid function test by Res-O-Mat ETR test. II. Simultaneous determination of the effective thyroxine ratio and thyroxine concentration in the blood Res-O-Mat ETR test]
Jap J Nucl Med 10:37-43, Feb 73 (Jap)
ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ *PROTEIN-BOUND IODINE TEST/ RESINS, diagnostic use/ *THYROXINE, blood

1815. Inagawa T, Oki S, Sawada M, et al: [Studies on extraction, separation and estimation of prostaglandins by radioimmunoassay. II. Separation of individual prostaglandin by thin-layer chromatography with stepwise development, and determination of prostaglandin E]
J Pharm Soc Jap 93:471-5, Apr 73 (Jap)
*CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HUMAN/ IMMUNE SERUMS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM

1816. Inama K: Die medikamentöse Behandlung des Weichteilrheumatismus.
Z Rheumaforsch 32:191-2, May-Jun 73 (Ger)
ANESTHETICS, LOCAL, therapeutic use/ DRUG COMBINATIONS/ *FIBROSITIS, drug therapy/ HUMAN/ PREDNISONE, therapeutic use/ *RHEUMATISM, drug therapy

1817. Indiveri F, Rolandi E, Barabino A, et al: Thyroid cells in Graves' disease.
Lancet 2:743-4, 29 Sep 73
*GOITER, EXOPHTHALMIC, immunology/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ *THYROID GLAND/ THYROID GLAND, immunology/ THYROID GLAND, pathology

1818. Inglis NR, Kirley S, Stolbach LL, et al: Phenotypes of the Regan isoenzyme and identity between the placental D-variant and the Nagao isoenzyme.
Cancer Res 33:1657-61, Jul 73
ALKALINE PHOSPHATASE, antagonists & inhibitors/ *ALKALINE PHOSPHATASE, metabolism/ ELECTROPHORESIS, STARCH GEL/ HUMAN/ ISOENZYMES, antagonists & inhibitors/ *ISOENZYMES, metabolism/ LEUCINE, pharmacodynamics/ *NEOPLASMS, enzymology/ PHENOTYPE/ *PLACENTA, enzymology/ PREGNANCY/ VARIATION (GENETICS)

1819. **Inoue T, Kawamoto I, Kimura H:** [Successfully total lung irradiation in a case of bilateral pulmonary metastasis of testicular seminoma]
Jap J Clin Radiol 18:429-33, Jun 73 (Jap)
ADULT/ *DISGERMINOMA, radiotherapy/ HUMAN/ *LUNG NEOPLASMS, radiotherapy/ MALE/ NEOPLASM METASTASIS/ RADIOTHERAPY DOSAGE/ *TESTICULAR NEOPLASMS

1820. **Irtel von Brenndorff A, Hagge W:** Der angeborene Morbus Addison.
Med Monatsschr 27:255-7, Jun 73 (Ger)
*ADDISON'S DISEASE, congenital/ ADDISON'S DISEASE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT/ MALE

1821. **Irvin GL 3d, Cohen MS, Moebus R, et al:** Primary hyperparathyroidism. Current diagnosis, treatment, and results. Arch Surg 105:738-40, Nov 72
ADENOMA, complications/ ADULT/ AGED/ BLOOD SUGAR, analysis/ CALCIUM, blood/ CALCIUM, urine/ CHLORIDES, blood/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERPARATHYROIDISM/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PHOSPHATES, urine/ PHOSPHORUS, blood/ URIC ACID, blood

1822. **Irvine WJ, Toft AD, Hunter WM, et al:** Assessment of the radioimmunoassay for plasma thyroid-stimulating hormone (TSH) and of the TSH-stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. J Endocrinol 58:23-4, Jul 73
HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ METHODS/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood

1823. **Irwin DA, Criswell HE, Kakolewski JW:** Spontaneous whole brain slow potential changes during recovery from experimental neurosurgery.
Science 181:1176-8, 21 Sep 73
ANIMAL EXPERIMENTS/ BRAIN, physiology/ *BRAIN, surgery/ CEREBRAL CORTEX, physiology/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MALE/ MEMBRANE POTENTIALS/ RATS/ *SPREADING CORTICAL DEPRESSION/ STEREOTAXIC TECHNICS

1824. **Isenberg JI, Walsh JH, Grossman MI:** Zollinger-Ellison syndrome.
Gastroenterology 65:140-65, Jul 73 (245 ref.)
ANGIOGRAPHY/ ANTACIDS, therapeutic use/ DIARRHEA, complications/ GASTRIC JUICE, secretion/ GASTRIN, isolation & purification/ GASTRIN, metabolism/ HUMAN/ HYPERPARATHYROIDISM, complications/ ISLET CELL TUMOR, complications/ MALABSORPTION SYNDROMES, complications/ PANCREATIC NEOPLASMS, complications/ PHYSICAL EXAMINATION/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ REVIEW/ SPRUE, complications/ *ZOLLINGER-ELLISON SYNDROME/ ZOLLINGER-ELLISON SYNDROME, diagnosis/ ZOLLINGER-ELLISON SYNDROME, drug therapy/ ZOLLINGER-ELLISON SYNDROME, metabolism/ ZOLLINGER-ELLISON SYNDROME, radiography/ ZOLLINGER-ELLISON SYNDROME, surgery

1825. **Ishizuka N, Mizutani S, Narita O, et al:** Effect of cyclophenyl and clomiphene on excretion of urinary LH. Endocrinol Jap 20:51-7, Feb 73
ADULT/ AMENORRHEA, urine/ CASTRATION/ CHIARI-FROMMEL SYNDROME, urine/ *CLOMIPHENE, pharmacodynamics/ CYCLOFENIL, pharmacodynamics/ FEMALE/ *FERTILITY AGENTS, pharmacodynamics/ HUMAN/ *LH, urine/ MALE/ MENOPAUSE/ MENSTRUATION DISORDERS, urine/ MIDDLE AGE/ OVULATION/ *PHENOLS, pharmacodynamics/ RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, urine

1826. **Ishizuka N, Okamoto M, Tomoda Y:** Gonadotro steroid hormone excretion in trophoblastic ne
Obstet Gynecol 42:1-11, Jul 73
ADULT/ CASTRATION/ CHILD/ CHORIOADENOMA, surgery/ CHORIOADENOMA, urine/ CHORIOCARCINOMA, surgery/ CHORIOCARCINOMA, urine/ *ESTROGE urine/ FEMALE/ *FSH, urine/ *GLUCOCORTICOIDS, urine/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, surge HYDATIDIFORM MOLE, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYSTERECTOMY/ 17-KETOSTEROIDS, NEOPLASM METASTASIS/ PREGNANC *PREGNANEDIOL, urine/ TROPHOBLAS TUMOR, surgery/ *TROPHOBLASTIC TU urine

1827. **Isidori A, Fraioli F, Conti C:** Radioimmunos plasma LH and FSH in selected endocrine di
Folia Endocrinol (Roma) 25:127-34, Apr
ADOLESCENCE/ ADULT/ AMENORRHE physiopathology/ *ENDOCRINE DISEAS physiopathology/ FEMALE/ *FSH, blood HIRSUTISM, physiopathology/ HUMAN/ HYPOGONADISM, physiopathology/ KLINEFELTER'S SYNDROME, physiopat *LH, blood/ MALE/ *PITUITARY GLA physiopathology/ PUBERTY, PRECOCIO physiopathology/ RADIOIMMUNOASSAY STEIN-LEVENTHAL SYNDROME, physiopathology/ TURNER'S SYNDROM physiopathology

1828. **Islam MS, Ulmer WT:** Der Wirkungsmechanis Serotonin (5-Hydroxytryptamin) und Hista der Atemwegsobstruktion.
Respiration 30:360-77, 1973
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRONCHI, effects/ BRONCHI, innervation/ CHEMORECEPTORS/ CONSTRICTION/ ENGLISH ABSTRACT/ *HISTAMINE, pharmacodynamics/ REFLEX/ *SEROTO pharmacodynamics/ VAGUS NERVE, ph

1829. **Islam MS, Ulmer WT:** Uber die Rolle von Sero Bronchokonstriktor.
Pneumonologie 148:135-40, 1973
*ACETYLCHOLINE, pharmacodynamics/ AEROSOLS/ AIRWAY RESISTANCE, d effects/ ANIMAL EXPERIMENTS/ *BR drug effects/ BRONCHI, physiopatholog DOGS/ ENGLISH ABSTRACT/ LUNG DISEASES, OBSTRUCTIVE, chemically induced/ RESPIRATORY FUNCTION TESTS/ *SEROTONIN, pharmacodynamics/ VAGUS NERVE, dr effects

1830. **Ismailov EM:** Vliianie obogashchennoi eritrop plazmy na regeneratsiiu krovi u tireoidektomirovannykh zhivotnykh.
Sov Zdravookhr Kirg 4:31-3, Jul-Aug 72
ANIMAL EXPERIMENTS/ *BLOOD/ BO MARROW DISEASES, blood/ BONE M DISEASES, etiology/ DOGS/ ERYTHRO COUNT/ ERYTHROPOIESIS/ *ERYTHROPOIETIN/ ERYTHROPOIETI analysis/ PLASMA, analysis/ REGENERATION/ *THYROIDECTOMY

1831. **Ismailova SA, Orekhov LG:** Ekskretsiia khorionicheskogo gonadotropina i danny gormonal'noi tsitodiagnostiki pri perena beremennosti.
Akush Ginekol (Mosk) 48:58-9, Sep 72
ADOLESCENCE/ ADULT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine HUMAN/ MIDDLE AGE/ PREGNANCY *PREGNANCY, PROLONGED/ *VAGIN SMEARS

1832. **Isono H, Shoumura-Sakurai S:** Electron mi study on the parathyroid gland of the

parathormone-injected newt, Triturus pyrrhogaster (Boie). Okajimas Folia Anat Jap 50:9-25, May 73
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ MITOCHONDRIA/ *PARATHYROID GLANDS, cytology/ PARATHYROID GLANDS, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ *SALAMANDERS, anatomy & histology

Isoun T, Whitehair CK, Bergen WG: Influence of a viral enteric infection on the aminogram and pathology of protein-calorie malnutrition in the pig.
Am J Clin Nutr 26:835-44, Aug 73
*AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ DIETARY FATS, administration & dosage/ DIETARY PROTEINS, administration & dosage/ FEMALE/ GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE, blood/ *GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE, complications/ GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE, metabolism/ GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE, pathology/ INTESTINAL MUCOSA, pathology/ LACTATION/ LIVER, metabolism/ LIVER, pathology/ *NUTRITION DISORDERS, complications/ POTASSIUM, blood/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, blood/ PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, metabolism/ PROTEIN-CALORIE MALNUTRITION, pathology/ SODIUM, blood/ SWINE/ VERTEBRATE VIRUSES, UNCLASSIFIED/ VITAMIN A, metabolism

Itakura H, Ono S: The effect of the mouse X-linked Testicular feminization mutation on the hypothalamus-pituitary axis. I. Paradoxical effect of testosterone upon pituitary gonadotrophs.
Clin Genet 4:91-7, 1973
ANIMAL EXPERIMENTS/ BASOPHILS, drug effects/ BASOPHILS, secretion/ CASTRATION/ CYTOPLASMIC GRANULES/ FEEDBACK/ FEMALE/ FSH, biosynthesis/ HYPERTROPHY/ LH, biosynthesis/ LH, blood/ MALE/ MICE/ MUTATION/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, pathology/ SEX CHROMOSOMES/ STAINS AND STAINING/ *TESTICULAR FEMINIZATION, metabolism/ TESTICULAR FEMINIZATION, pathology/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics/ THYROTROPIN, biosynthesis

teison I, Boruchowsky S, Yershova A, et al: [Radiochromatography in the diagnosis of hypothyroidism due to enzymatic defect]
Harefuah 84:648-50, 15 Jun 73 (Heb)
CHROMATOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, enzymology/ *IODINE, metabolism/ *IODINE ISOTOPES, DIAGNOSTIC/ *THYRONINE, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism

o H, Mitsuhashi S, Momose G: Prostaglandin and renal function--the effect of prostaglandin A2 on the P.S.P. excretion. Prostaglandins 3:359-65, Mar 73
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *KIDNEY, drug effects/ KIDNEY, physiology/ MALE/ MIDDLE AGE/ PHENOLPHTHALEINS, urine/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL

o J, Murakami N, Murao H, et al: [Human thyroid timulating hormone level in various thyroid isorders]
olia Endocrinol Jap 49:1135-46, 20 Aug 73 (Jap)
ADOLESCENCE/ ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, therapy/ HUMAN/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROID ANTAGONISTS, therapeutic use/ *THYROID DISEASES, blood/ THYROID NEOPLASMS, blood/ THYROIDECTOMY/ THYROIDITIS, blood/ THYROIDITIS, therapy/ *THYROTROPIN, blood

1838. **Ito M:** [Influence of various drugs on the tissue permeability. 6. Effect of anti-inflammatory drugs on quantitative changes in connective tissue components in inflamed tissues of filter paper-implanted rats]
Folia Pharmacol Jap 69:121-35, Jan 73 (Jap)
AMINOPYRINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BARBITURATES, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ *CONNECTIVE TISSUE, metabolism/ CYCLOHEXANE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FLUFENAMIC ACID, pharmacodynamics/ HEXOSAMINES, metabolism/ HYDROXYPROLINE, metabolism/ INDAZOLES, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ *INFLAMMATION/ MUCOPOLYSACCHARIDES, metabolism/ NEURAMINIC ACIDS, metabolism/ PHENYLBUTAZONE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RATS/ TIME FACTORS/ URONIC ACIDS, metabolism

1839. **Ito M:** [Influence of various drugs on the tissue permeability. 7. Effect of anti-inflammatory drugs on the changes in mucopolysaccharase activity in inflamed tissues of filter paper-implanted rats]
Folia Pharmacol Jap 69:137-51, Jan 73 (Jap)
AMINOPYRINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, drug effects/ FEMALE/ FLUFENAMIC ACID, pharmacodynamics/ GLUCOSAMINIDASE, metabolism/ GLUCURONIDASE, metabolism/ *GLYCOSIDE HYDROLASES, metabolism/ INDOMETHACIN, pharmacodynamics/ *INFLAMMATION, enzymology/ MURAMIDASE, metabolism/ PHENYLBUTAZONE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RATS/ TIME FACTORS

1840. **Ito S:** [Current topics on cerebral amines: with special reference to the topics at the symposium at the annual meeting of Endocrinology Society]
Jap J Clin Med 31:2118-21, Jun 73 (13 ref.) (Jap)
*AMINES, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CONGRESSES/ CORTICOTROPIN, secretion/ DOPAMINE, physiology/ EPINEPHRINE, pharmacodynamics/ GONADOTROPINS, secretion/ HUMAN/ HYPOTHALAMUS, secretion/ REVIEW/ SOMATOTROPIN, secretion

1841. **Ito Z, Kurosawa I, Kitaura K, et al:** [Prostate: on human prostate]
Clin Endocrinol (Tokyo) 21:463-7, May 73 (22 ref.) (Jap)
ACID PHOSPHATASE, analysis/ ANDROGENS, pharmacodynamics/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CULTURE MEDIA/ HUMAN/ MALE/ ORGAN CULTURE/ PROSTATE, analysis/ *PROSTATE, cytology/ PROSTATE, drug effects/ PROSTATE, enzymology/ REVIEW/ TISSUE CULTURE/ ZINC, analysis

1842. **Iudaev NA, Fedotov VP, Miroshnichenko LD, et al:** Biologicheskaia aktivnost' sinteticheskogo tireotropin-riilizing-faktora.
Probl Endokrinol (Mosk) 19:50-2, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ MICE/

MICE, INBRED BALB C/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ THYROID GLAND, drug effects/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN RELEASING FACTOR, chem synthesis/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

1843. **Iudaev NA, Utesheva ZF, Novikova TE, et al:** Gipotalamicheskiĭ peptid, stimuliruiushchiĭ osvobozhdenie rostovogo gormona.
Dokl Akad Nauk SSSR 210:731-2, 21 May 73 **(Rus)**
ANIMAL EXPERIMENTS/ CATTLE/ GEL FILTRATION/ *HYPOTHALAMUS, analysis/ MALE/ *PEPTIDES, analysis/ *PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ *SOMATOTROPIN

1844. **Iugina AD:** Khimicheskii metod opredeleniia vitamina D2 v biologicheskikh ob"ektakh.
Lab Delo 9:551-2, 1972 **(Rus)**
*ERGOCALCIFEROL, analysis/ METHODS

1845. **Ivanov II, Golikova AI:** Spontaneous gelatinization of sarcoplasmic proteins of skeletal and smooth muscles and possible relation of this phenomenon to developmental mechanism of plastic tonus.
Biorheology 10:7-16, Mar 73
ACETIC ACIDS, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ *GELS/ GLYCOLS, pharmacodynamics/ IN VITRO/ *MUSCLE PROTEINS, physiology/ MUSCLE, SMOOTH, physiology/ *MUSCLE TONUS/ MUSCLES, drug effects/ *MUSCLES, physiology/ PROTEIN BINDING/ RABBITS/ SARCOPLASMIC RETICULUM, metabolism/ *SARCOPLASMIC RETICULUM, physiology/ TEMPERATURE/ VISCOSITY

1846. **Iwamasa T, Tokumitsu S, Sunagawa H, et al:** Congenital adrenal lipid hyperplasia with adrenal syndrome. A case report of Prader syndrome.
Kumamoto Med J 26:47-55, 31 Mar 73
*ADRENOGENITAL SYNDROME/ FEMALE/ HUMAN/ INFANT

1847. **Iwasawa Y, Gillis CN:** Effect of steroid and other hormones on lung removal of noradrenaline.
Eur J Pharmacol 22:367-70, Jun 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ FLUOROMETRY/ LUNG, drug effects/ *LUNG, metabolism/ *NOREPINEPHRINE, metabolism/ RABBITS/ SEROTONIN, metabolism/ *STEROIDS, pharmacodynamics/ THYROXINE, pharmacodynamics

1848. **Iwasawa Y, Gillis CN, Aghajanian G:** Hypothermic inhibition of 5-hydroxytryptamine and norepinephrine uptake by lung: cellular location of amines after uptake.
J Pharmacol Exp Ther 186:498-507, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ GLUCOSE, pharmacodynamics/ *HYPOTHERMIA, metabolism/ IN VITRO/ KINETICS/ *LUNG, metabolism/ MICROSCOPY, FLUORESCENCE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, metabolism/ OUABAIN, pharmacodynamics/ PERFUSION/ RABBITS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ STEREOISOMERS

1849. **Iwase S, Isoda K, Yoshii T:** [Case of pheochromocytoma of the adrenal medulla with Cushing's syndrome]
Clin Endocrinol (Tokyo) 21:531-5, May 73 **(Jap)**
*ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL MEDULLA/ ADULT/ *CUSHING'S SYNDROME, complications/ HUMAN/ MALE/ *PHEOCHROMOCYTOMA, complications

1850. **Iwata M, Sugishita M, Toyokura Y:** [Visual-
disconnexion syndrome of the right visual after transection of the splenium of the callosum]
Clin Neurol (Tokyo) 13:308-16, May 73
ADULT/ *BRAIN NEOPLASMS, surgery/ *CORPUS CALLOSUM, surgery/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *PINEALO surgery/ *SPEECH DISORDERS, etiology/ *SURGERY, OPERATIVE, adverse effects SYNDROME/ *VISION DISORDERS, etiol

1851. **Iwata S:** [Mechanisms of lens transparenc opacification in the light of colloidal dime
Acta Soc Ophthalmol Jap 77:141-58, 1973
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CATARACT/ CATARACT, etiology/ *COLLOIDS/ CRYSTALLINS/ ENGLISH ABSTRACT/ HUMAN/ *LENS, CRYSTALLINE/ LENS, CRYSTALLINE, metabolism/ LENS, CRYSTALLINE, physiology/ LIGHT/ MICE/ POTASSIUM, metabolism/ RABBITS/ SODIUM, metabo

1852. **Iwatsuki N:** The effect of thiamylal and propan the isolated heart muscle in comparison with C
Tohoku J Exp Med 110:33-40, May 73
ANESTHETICS, pharmacodynamics/ ANI EXPERIMENTS/ DOGS/ DRUG COMBINATIONS/ *HEART, drug effects, HYDROXYSTEROIDS, pharmacodynamics, VITRO/ KETOSTEROIDS, pharmacodynan *PREGNANES, pharmacodynamics/ *PROPANIDID, pharmacodynamics/ *THIAMYLAL, pharmacodynamics

J

1853. **Jabara AG, Maritz JS:** Effects of hypothyroidi progesterone on mammary tumours indu 7,12-dimethylbenz(a)anthracene in Sprague- rats. Br J Cancer 28:161-72, Aug 73
ADENOCARCINOMA, drug therapy/ ADI GLANDS, pathology/ ANIMAL EXPERIM BENZANTHRACENES/ ENDOCRINE GL drug effects/ ESTRUS, drug effects/ FEMALE/ GENITALIA, drug effects/ *HYPOTHYROIDISM, chemically induced IODINE ISOTOPES/ MAMMAE, drug eff *MAMMARY NEOPLASMS, EXPERIMEN drug therapy/ *PROGESTERONE, therap use/ PROLACTIN, pharmacodynamics/ R SOMATOTROPIN, antagonists & inhibito THYROID GLAND, pathology/ UTERUS, anatomy & histology

1854. **Jacker HJ:** Zur Auslösung von Rattenpfoten durch Natriumnucleinat und deren Beeinf durch Antipholgistica.
Pharmazie 27:795-6, Dec 72
ANIMAL EXPERIMENTS/ ASPIRIN, therapeutic use/ *DISEASE MODELS, ANIMAL/ *EDEMA, chemically induced/ EDEMA, drug therapy/ ESCHERICHIA FORELIMB/ PREDNISOLONE, therapeut PYROGENS/ RATS/ *RNA, BACTERIAL SODIUM/ SODIUM SALICYLATE, thera use

1855. **Jackim E, LaRoche G:** Protein synthesis in F heteroclitus muscle.
Comp Biochem Physiol [A] 44:851-66, 1
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHLORAMPHENICOL, pharmacodynamics/ CORTISONE, pharmacodynamics/ DARKNESS/ ENVIRONMENT/ EXERTION/ FASTING FEMALE/ FISHES/ INSULIN, pharmacodynamics/ LEUCINE, metabolis LIVER, metabolism/ MALE/ *MUSCLE PROTEINS, biosynthesis/ MUSCLES, dr effects/ MUSCLES, metabolism/ ORGAN SPECIFICITY/ OXYGEN/ OXYTOCIN, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ SWIMMING/ TEMPERATURE/ THYROXINE,

pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

856. **Jackson DM, Smythe DB:** The distribution of beta-phenylethylamine in discrete regions of the rat brain and its effect on brain noradrenaline, dopamine and 5-hydroxytryptamine levels.
Neuropharmacology 12:663-8, Jul 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ *DOPAMINE, metabolism/ *EPINEPHRINE, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ *PHENETHYLAMINES, metabolism/ RATS/ *SEROTONIN, metabolism

857. **Jackson GL:** Time interval between injection of estradiol benzoate and LH release in the rat and effect of actinomycin D or cycloheximide.
Endocrinology 93:887-92, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CYCLOHEXIMIDE, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LH/ *LH, blood/ OVARY, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

858. **Jackson H, Jackson CM, Jones P:** Hormonal antagonism to the antispermatogenic effect of ethylene-dimethanesulphonate in rats.
J Reprod Fertil 34:133-5, Jul 73
ALKANES, antagonists & inhibitors/ *ALKANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CONTRACEPTIVES, ORAL, antagonists & inhibitors/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MALE/ ORGAN WEIGHT/ PREGNANCY/ PROSTATE/ SEMINAL VESICLES/ *SPERMATOGENESIS, drug effects/ STERILITY, MALE, chemically induced/ STERILITY, MALE, prevention & control/ SULFONIC ACIDS, antagonists & inhibitors/ *SULFONIC ACIDS, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics

859. **Jackson RT:** Effects of drugs on the nose and middle ear. Lessons from an animal model.
Clin Pediatr (Phila) 12:559-62, Sep 73
ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ DOGS/ EPINEPHRINE, pharmacodynamics/ *EUSTACHIAN TUBE, drug effects/ ISOPROTERENOL, pharmacodynamics/ KININS, pharmacodynamics/ *NOSE, drug effects/ PROSTAGLANDINS, pharmacodynamics/ RESERPINE, pharmacodynamics

860. **Jacobs HS, Mackie DB, Eastman CJ, et al:** Total and free triiodothyronine and thyroxine levels in thyroid storm and recurrent hyperthydroidism.
Lancet 1:236-8, 4 Aug 73
ADOLESCENCE/ CHILD/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ IODINE, adverse effects/ IODINE, therapeutic use/ POSTOPERATIVE COMPLICATIONS/ RECURRENCE/ *THYROID CRISIS, blood/ THYROID GLAND FUNCTION TESTS/ THYROIDECTOMY, adverse effects/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

861. **Jadoul P:** Contraception et psychologie médicale.
Rev Med Liege 28:361-3, 1 Jun 73 (Fre)
*CONTRACEPTION/ CONTRACEPTIVES, ORAL/ ETHICS/ FEMALE/ FRIGIDITY/ HUMAN/ PHYSICIAN-PATIENT RELATIONS/ PSYCHOLOGY

862. **Jaffe BM, Parker CW:** Physiologic implications of prostaglandin radioimmunoassay.
Metabolism 22:1129-37, Aug 73 (41 ref.)
ANIMAL EXPERIMENTS/ BLOOD COAGULATION/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ INTRAOCULAR PRESSURE/ KIDNEY, physiopathology/ LABOR/ METHODS/ ORGAN CULTURE/ PREGNANCY/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ SHEEP

863. **Jaffe BM, Peskin GW, Kaplan EL:** Serum levels of parathyroid hormone in the Zollinger-Ellison syndrome. Surgery 74:621-5, Oct 73
ADULT/ BLOOD UREA NITROGEN/ CALCIUM, blood/ DUODENAL ULCER, surgery/ FEMALE/ GASTRIC JUICE, secretion/ GASTRIN, blood/ HUMAN/ ISLET CELL TUMOR, surgery/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RADIOIMMUNOASSAY/ *ZOLLINGER-ELLISON SYNDROME, blood

864. **Jaffe NS:** The lens.
Arch Ophthalmol 90:136-71, Aug 73 (233 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ ASPIRATION/ BACTERIAL INFECTIONS, complications/ BACTERIAL INFECTIONS, drug therapy/ CATARACT, complications/ CATARACT EXTRACTION/ CATARACT EXTRACTION, adverse effects/ CORNEA, pathology/ CRYOGENIC SURGERY/ DESCEMET'S MEMBRANE, pathology/ EDEMA, complications/ EYE DISEASES, drug therapy/ EYE INJURIES, drug therapy/ EYE INJURIES, surgery/ GLAUCOMA, complications/ GLAUCOMA, surgery/ HOSPITAL OUTPATIENT CLINICS/ HUMAN/ INFLAMMATION/ *LENS, CRYSTALLINE/ LENS, CRYSTALLINE, injuries/ LENS, CRYSTALLINE, surgery/ POSTOPERATIVE COMPLICATIONS/ REVIEW/ SURGICAL INSTRUMENTS/ SUTURES/ VITREOUS BODY, pathology/ WOUND HEALING

865. **Jaffiol C, Djabri M, Baldet L, et al:** Intérêt d'un composé bêta-bloquant pour le traitement au long cours de l'hyperthyroïdie et pour la réalisation de l'épreuve de freinage à la triiodothyronine.
Therapeutique 49:111-4, Feb 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ *PINDOLOL, administration & dosage/ PINDOLOL, diagnostic use/ PINDOLOL, therapeutic use/ *TRIIODOTHYRONINE, diagnostic use

866. **Jagger PI:** Suppressed plasma renin activity and primary aldosteronism.
J Kans Med Soc 74:304-5 passim, Aug 73
ADRENAL GLAND NEOPLASMS, complications/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, etiology/ HYPERTENSION, blood/ MALE/ *RENIN, blood

867. **Jagiello GM, Lin JS:** Studies on the process of mouse meiosis and ovulation with daunomycin.
Experientia 29:114-6, 1 May 73
ANIMAL EXPERIMENTS/ *DAUNOMYCIN, pharmacodynamics/ FEMALE/ *MEIOSIS, drug effects/ MICE/ *OVULATION, drug effects/ OVUM, drug effects/ STAINS AND STAINING

868. **Jaisle F:** Schwangerenvorsorge-Schwangerenberatung.
Med Klin 68:906-14, Jul 73 (10 ref.) (Ger)
COUNSELING/ DRUG THERAPY, adverse effects/ ERYTHROBLASTOSIS, FETAL, diagnosis/ FEMALE/ HEMAGGLUTINATION

TESTS/ HUMAN/ LABOR COMPLICATIONS, diagnosis/ LABOR, PREMATURE, diagnosis/ *MATERNAL HEALTH SERVICES/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, INFECTIOUS, diagnosis/ PREGNANCY TESTS/ *PRENATAL CARE/ REVIEW/ RUBELLA, diagnosis/ URINE, analysis/ VACCINATION

1869. **Jakowicki J:** Badania nad interkonwersją estronu i estradiolu-17beta w łożysku pochodzącym z ciąży przeterminowanej.
Ginekol Pol 44:629-34, Jun 73 **(Pol)**
ENGLISH ABSTRACT/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ HUMAN/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, PROLONGED

1870. **James DG:** Granuloma formation.
Trans Med Soc Lond 88:116-49, 1972
ASTHMA, immunology/ BILIARY TRACT DISEASES, diagnosis/ CELL AGGREGATION/ CELLULAR INCLUSIONS/ CHILD/ COMMUNICABLE DISEASES, classification/ CORTICOSTERONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENTERITIS, REGIONAL, diagnosis/ FUNGI, cytology/ FUNGI, immunology/ GRANULOMA, classification/ GRANULOMA, etiology/ *GRANULOMA, physiopathology/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LIVER CIRRHOSIS, diagnosis/ MALE/ MYCOSES, complications/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, physiopathology/ PHAGOCYTES/ SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, etiology/ TEMPORAL ARTERITIS, physiopathology/ WEGENER'S GRANULOMATOSIS

1871. **Jan JE, Hill RH, Low MD:** Cerebral complications in juvenile rheumatoid arthritis.
Can Med Assoc J 107:623-5, 7 Oct 72
ARTHRITIS, JUVENILE RHEUMATOID, cerebrospinal fluid/ *ARTHRITIS, JUVENILE RHEUMATOID, complications/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ ARTHRITIS, JUVENILE RHEUMATOID, physiopathology/ *CENTRAL NERVOUS SYSTEM DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ CONVULSIONS, etiology/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, drug therapy/ EPILEPSY, etiology/ HUMAN/ INFANT/ MALE/ MENINGISM, etiology/ PREDNISONE, therapeutic use/ SALICYLATES, therapeutic use/ SPINAL PUNCTURE

1872. **Janda J, Mrhová O:** Vliv estradiolbenzoátu na aktivitu některých enzymů krysí aorty.
Cas Lek Cesk 112:773-7, 1973 **(Cze)**
ADENOSINE TRIPHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ *AORTA, enzymology/ ENGLISH ABSTRACT/ ESTERASES, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LACTATE DEHYDROGENASE, metabolism/ MALE/ OVARY, physiology/ RATS

1873. **Janeczko J:** Zachowanie się beta-glukuronidazy w surowicy krwi chorych na wirusowe zapalenie wątroby w zależności od sposobu leczenia.
Pol Tyg Lek 28:972-5, 25 Jun 73 **(Pol)**
ENGLISH ABSTRACT/ GLUCOCORTICOIDS, therapeutic use/ GLUCOSE, therapeutic use/ *GLUCURONIDASE, blood/ HEPATITIS, INFECTIOUS, blood/ HEPATITIS, INFECTIOUS, drug therapy/ *HEPATITIS, INFECTIOUS, enzymology/ HUMAN

1874. **Janis RA, Triggle DJ:** On the question of subclassification of -adrenoceptors.
J Pharm Pharmacol 25:263-4, Mar 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, antagonists & inhibitors/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ BINDING SITES/ CALCIUM, metabolism/ ETHYLAMINES, pharmacodynamics/ IN VITRO/ KINETICS/ RABBITS/ RATS/ *RECEPTORS, ADRENERGIC/ TIME FACTORS/ VAS DEFERENS, drug effects

1875. **Janisch H:** Zur Aetiologie und Therapie de Spätgestosen. Minerva Ginecol 25:383-7, Jul 73 (
ERGOLINES, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PLACENT DISORDERS, complications/ PREGNANCY/ *PREGNANCY TOXEMIAS/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY TOXEMIAS, etiology

1876. **Jankovich JP:** The effects of mechanical vibratic bone development in the rat.
J Biomech 5:241-50, May 72
AGING/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE DEVELOPMENT/ CALCIUM, analysis/ CALCIUM PHOSPHATES, analysis/ ELASTICITY/ FEMUR, analysis/ *FEMUR, growth & development/ HARDNESS/ MAL RATS/ TETRACYCLINE, diagnostic use/ *TIBIA, growth & development/ TORSION *VIBRATION

1877. **Janský L:** Non-shivering thermogenesis and thermoregulatory significance.
Biol Rev 48:85-132, Feb 73 (264 ref.)
ACCLIMATIZATION/ ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ AUTONOMIC NERVOUS SYSTEM, physiology/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ BROWN FAT, metabolism/ CARDIOVASCULAR SYSTEM, physiology/ COLD/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ GUINEA PIGS/ HEMODYNAMICS/ HIBERNATION/ HUMA HYPOTHALAMUS, physiology/ LIVER, metabolism/ METABOLISM/ NOREPINEPHRINE, physiology/ PROTEIN: metabolism/ RABBITS/ RATS/ RESPIRAT REVIEW/ SHIVERING/ THYROID GLAND physiology

1878. **Janula J:** Některé zkušenosti z víceletého v dispenzáře pro nemocné lupenkou.
Cesk Dermatol 48:164-9, Jun 73
ADRENAL CORTEX HORMONES, therapeu use/ AMBULATORY CARE/ ANTINEOPLASTIC AGENTS, therapeutic BALNEOLOGY/ CLIMATE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PSORIASIS, drug therapy/ *PSORIASIS, therapy/ RETROSPECTIVE STUDIES/ VITAMIN B 12, therapeutic use

1879. **Jao W, Poliak VE, Norris SH, et al:** Lipoid nephros approach to the clinicopathologic analysis dismemberment of idiopathic nephrotic synd with minimal glomerular changes.
Medicine (Baltimore) 52:445-68, Sep 73
BIOPSY/ BLOOD UREA NITROGEN/ CREATININE, blood/ HUMAN/ KIDNEY GLOMERULUS, pathology/ *KIDNEY GLOMERULUS, pathology/ MICROSCOPY, ELECTRON/ NEPHROSIS, LIPOID, diagno NEPHROSIS, LIPOID, drug therapy/ *NEPHROSIS, LIPOID, pathology/ *NEPHROTIC SYNDROME, pathology/ PREDNISONE, therapeutic use/ PROTEINURIA, diagnosis/ PROTEINURIA, drug therapy/ REMISSION

1880. **Jarvik LF, Klodin V, Matsuyama SS:** Human aggr and the extra Y chromosome. Fact or far
Am Psychol 28:674-82, Aug 73
ADOLESCENCE/ ADULT/ AGED/ *AGGRESSION/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ CRIMINAL PSYCHOLOG FEMALE/ GENOTYPE/ HUMAN/ INFANT INFANT, NEWBORN/ MALE/ *SEX CHROMOSOME ABNORMALITIES/ VIOLE

1881. **Järvinen PA, Pennanen S, Ylöstalo P:** Induction of abortion by intra- and extra-amniotic prostaglandin F2 administration. Prostaglandins 3:491-504, Apr 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ CERVIX UTERI/ COMPARATIVE STUDY/ CURETTAGE/ DIARRHEA, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS/ METHODS/ MUSCLE CONTRACTION, drug effects/ NAUSEA, chemically induced/ PARITY/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS/ UTERUS, drug effects/ VOMITING, chemically induced

1882. **Jay AW, Rowlands S, Skibo L:** Red blood cell deformability and the prostaglandins.
Prostaglandins 3:871-7, Jun 73
*ERYTHROCYTES, drug effects/ HUMAN/ IN VITRO/ METHODS/ MICROMANIPULATION/ PRESSURE/ *PROSTAGLANDINS, pharmacodynamics

1883. **Jayle MF:** Le syndrome de l'insuffisance thécale. Diagnostic-incidences cliniques-thérapeutique.
Cah Med 14:171-3, Mar 73 (Fre)
ABORTION, HABITUAL, etiology/ *CORPUS LUTEUM/ FEMALE/ HUMAN/ *OVARIAN DISEASES/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *STERILITY, FEMALE, etiology

1884. **Jean C:** Action, sur le développement mammaire et surrénalien, d'une injection précoce d'ACTH au foetus de souris in utero.
C R Soc Biol (Paris) 166:1675-80, 1972 (Fre)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FETUS, drug effects/ INJECTIONS/ MALE/ *MAMMAE, drug effects/ MICE/ SEX FACTORS/ TIME FACTORS

1885. **Jean C, Berger M:** Développement pondéral et histologique du testicule de souris de la naissance á un an. C R Soc Biol (Paris) 166:1685-90, 1972 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, growth & development/ MICE/ ORGAN WEIGHT/ *TESTIS, growth & development

1886. **Jeanmart L, Bollaert A, Dor P, et al:** Confrontations radio-cliniques de l'hyperparathyroïdie.
J Belge Radiol 56:21-32, Jan-Feb 73 (Fre)
ADENOMA, complications/ ADENOMA, surgery/ ADULT/ BONE DISEASES, etiology/ *BONE DISEASES, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, radiography/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery

1887. **Jeavons PM, Bower BD, Dimitrakoudi M:** Long-term prognosis of 150 cases of "West syndrome".
Epilepsia 14:153-64, Jun 73
ADOLESCENCE/ AGE FACTORS/ BIRTH INJURIES, complications/ CHILD/ CHILD, PRESCHOOL/ *CONVULSIONS/ CONVULSIONS, etiology/ EDUCATION, SPECIAL/ ELECTROENCEPHALOGRAPHY/ FEMALE/ FOLLOW-UP STUDIES/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROCEPHALUS, etiology/ *HYPSARRHYTHMIA/ HYPSARRHYTHMIA, etiology/ IMMUNIZATION, adverse effects/ MALE/ *MENTAL RETARDATION/ MENTAL RETARDATION, etiology/ MICROCEPHALY, etiology/ PARALYSIS, SPASTIC, etiology/ PROGNOSIS/ SEX FACTORS/ SYNDROME

1888. **Jędrzejczak W:** Androgeny w leczeniu nabytych aplazji szpiku.
Wiad Lek 26:535-9, 15 Mar 73 (Pol)
AGE FACTORS/ AGED/ ANDROGENS, adverse effects/ *ANDROGENS, therapeutic use/ *ANEMIA, APLASTIC, drug therapy/ DNA, biosynthesis/ ENGLISH ABSTRACT/ ERYTHROPOIETIN, physiology/ FEMALE/ HEMATOPOIESIS, drug effects/ HUMAN/ MALE/ METHENOLONE, therapeutic use/ OXYMETHOLONE, therapeutic use/ PROGNOSIS/ REMISSION/ REVIEW/ RNA, biosynthesis/ TESTOSTERONE, pharmacodynamics

1889. **Jeejeebhoy KN, Bruce-Robertson A, Ho J, et al:** The effect of cortisol on the synthesis of rat plasma albumin, fibrinogen and transferrin.
Biochem J 130:533-8, Nov 72
AMINO ACIDS, administration & dosage/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBONATES, metabolism/ DEPRESSION, CHEMICAL/ *FIBRINOGEN, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ IODINE ISOTOPES/ LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS/ *SERUM ALBUMIN, biosynthesis/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRANSFERRIN, biosynthesis

1890. **Jeffcoate SL, Holland DT:** Preparation of antisera to luteinizing hormone releasing factor.
J Endocrinol 58:xix, Jul 73
ANIMAL EXPERIMENTS/ GUINEA PIGS/ *IMMUNE SERUMS/ IODINE ISOTOPES/ *LH/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY

1891. **Jeffery WH:** Constructive comments.
J Am Pharm Assoc 13:334, Jul 73
*ADDISON'S DISEASE, metabolism/ CHLORAL HYDRATE, adverse effects/ HUMAN/ HYDROCORTISONE, blood/ POTASSIUM, metabolism/ SODIUM, metabolism

1892. **Jenkins DH, Roberts JG, Webster D, et al:** Osteomalacia in elderly patients with fracture of the femoral neck. A clinico-pathological study.
J Bone Joint Surg [Br] 55:575-80, Aug 73
AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ CALCIUM, blood/ FEMALE/ *FEMORAL NECK FRACTURES, etiology/ FEMORAL NECK FRACTURES, pathology/ HUMAN/ ILIUM/ MALE/ *OSTEOMALACIA, complications/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, pathology/ PHOSPHATES, blood

1893. **Jenkins MV, Harris M, Wills MR:** The effect of anticonvulsant drugs in vitro on bone calcium mobilization by parathyroid hormone.
Clin Sci 45:1P-2P, Jul 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *DIPHENYLHYDANTOIN, pharmacodynamics/ IN VITRO/ MICE/ *PARATHYROID HORMONE, antagonists & inhibitors/ *PHENOBARBITAL, pharmacodynamics

1894. **Jenny M:** Examens pour le diagnostic de maladies endocriniennes.
Rev Med Suisse Romande 92:645-52, Sep 72 (Fre)
ADRENAL GLAND DISEASES, diagnosis/ *ENDOCRINE DISEASES, diagnosis/ HUMAN/ PARATHYROID DISEASES, diagnosis/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY DISEASES, diagnosis/ PITUITARY GLAND FUNCTION TESTS/ PROTEIN-BOUND IODINE TEST/ THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS

1895. **Jensen EV, DeSombre ER:** Estrogen-receptor interaction. Science 182:126-34, 12 Oct 73 (57 ref.)
ANIMAL EXPERIMENTS/ CATTLE/ CELL NUCLEUS, enzymology/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ FEMALE/ KIDNEY, metabolism/ KINETICS/

LIVER, metabolism/ PROTEIN BINDING/ PROTEINS, analysis/ RATS/ *RECEPTORS, HORMONE/ REVIEW/ RNA, biosynthesis/ RNA POLYMERASE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ UTERUS, analysis/ UTERUS, cytology/ *UTERUS, metabolism/ VAGINA, metabolism

1896. **Jentsch E, Hehrmann R, Montz R, et al:** The role of thyroid hormones in the mechanism of intestinal calcium absorption.
Acta Endocrinol [Suppl] (Kbh) 173:145, 1973
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ DEPRESSION, CHEMICAL/ *INTESTINAL ABSORPTION, drug effects/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *THYROID HORMONES, pharmacodynamics/ THYROIDECTOMY/ *THYROXINE, blood

1897. **Jepson JH, Gardner FH, Gorshein D, et al:** Current concepts of the action of androgenic steroids on erythropoiesis. J Pediatr 83:703-8, Oct 73 (49 ref.)
ANDROGENS, antagonists & inhibitors/ ANDROGENS, therapeutic use/ ANEMIA/ ANIMAL EXPERIMENTS/ BONE MARROW/ CHILD/ DNA, biosynthesis/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, biosynthesis/ ERYTHROPOIETIN, blood/ ERYTHROPOIETIN, urine/ FEMALE/ HEMATOPOIETIC STEM CELLS, drug effects/ HEME, biosynthesis/ HUMAN/ KINETICS/ MALE/ NANDROLONE, pharmacodynamics/ REVIEW/ *STEROIDS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1898. **Jepson JH, Gorshein D, Hait WN, et al:** Effect of androgenic steroids on erythropoiesis.
Biomedicine [Express] 19:83-6, 20 Mar 73
ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ *ERYTHROPOIESIS, drug effects/ FEMALE/ HALF-LIFE/ HEMATOPOIETIC STEM CELLS, drug effects/ IRON, blood/ IRON ISOTOPES/ MICE/ *TESTOSTERONE, pharmacodynamics

1899. **Jequier AM, Winterton WR:** Diagnostic problems of trophoblastic disease in women aged 50 or more.
Obstet Gynecol 42:378-87, Sep 73
ABORTION/ AGE FACTORS/ FEMALE/ GREAT BRITAIN/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYSTERECTOMY/ MENSTRUATION/ MIDDLE AGE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY TESTS/ TIME FACTORS/ *TROPHOBLASTIC TUMOR, diagnosis/ TROPHOBLASTIC TUMOR, occurrence/ UTERINE HEMORRHAGE

1900. **Jéquier E:** L'obèsitè: progrès rècents dans l'ètude de sa pathogènie.
Schweiz Med Wochenschr 103:1049-53, 28 Jul 73 (Fre)
ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, metabolism/ ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ APPETITE/ BLOOD SUGAR/ ENGLISH ABSTRACT/ EXERTION/ FATTY ACIDS, biosynthesis/ FEMALE/ GLYCEROPHOSPHATES, metabolism/ HUMAN/ HYDROLYSIS/ HYPOTHALAMUS, physiology/ *OBESITY, etiology/ OBESITY, metabolism/ OXIDATION-REDUCTION/ RATS/ THERMODYNAMICS

1901. **Jessop JD, Vernon-Roberts B, Harris J:** Effects of gold salts and prednisolone on inflammatory cells. I. Phagocytic activity of macrophages and polymorphs in inflammatory exudates studied by a "skin-window" technique in rheumatoid and control patients.
Ann Rheum Dis 32:294-300, Jul 73
ADULT/ AGED/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, immunology/ CARBON/ EXUDATES AND TRANSUDATES/ FEMALE/ GOLD, administration & dosage/ *GOLD, pharmacodynamics/ GOLD, therapeutic use/ HUMAN/ INFLAMMATION, immunology/ *LEUKOCYTES, immunology/ MACROPHAG drug effects/ *MACROPHAGES, immunolog MALATES, therapeutic use/ MALE/ MIDD AGE/ *PHAGOCYTOSIS, drug effects/ *PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ SKIN WINDOW TECHNIC/ TIME FACTORS

1902. **Jingu K, Katayama J, Takahashi M, et al:** [Cas Maffucci's syndrome]
Jap J Clin Radiol 18:281-6, Apr 73 (
ADENOMA, CHROMOPHOBE, complications ADULT/ ANGIOMATOSIS, complications/ *ANGIOMATOSIS, radiography/ DYSCHONDROPLASIA, complications/ *DYSCHONDROPLASIA, radiography/ HUM MALE/ PITUITARY NEOPLASMS, complications/ SYNDROME

1903. **Jirásek JE:** Vývojové odchylky gonád.
Cesk Gynekol 38:98-100, 1973 (
CHROMOSOME ABERRATIONS/ FEMALE/ *GONADS, abnormalities/ HUMAN/ MALE/ *PSEUDOHERMAPHRODITISM, familial & genetic/ *TURNER'S SYNDROME, familial genetic

1904. **Job JC, Chaussain JL, Vitry L, et al:** Goitre si juvénile et taux sanguin de thyréostimuline (T Effets de l'hormone hypothalamique de libérati la thyréostimuline (TRH.
Biomedicine [Express] 19:164-8, 10 Apr 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, blood/ GOITER, metabolism/ HUMAN/ INFANT/ IODINE, blood/ IODINE, metabolism/ MALE/ THYI GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, b THYROTROPIN RELEASING FACTOR, pharmacodynamics

1905. **Job JC, Garnier PE, Chaussain JL, et al:** Effe synthetic luteinizing hormone-releasing hor (LH-RH) on the release of gonadotropins hypophyso-gonadal disorders of children ar adolescents. II. Precocious puberty and prem thelarche. Biomedicine [Express] 19:77-81, 10 F
CHILD/ CHILD, PRESCHOOL/ ESTRADIO blood/ ESTROGENS, urine/ ESTRONE, bl FEMALE/ FSH, blood/ FSH, urine/ HUM HYPOTHALAMO-HYPOPHYSEAL SYSTEM physiopathology/ 17-KETOSTEROIDS, urine *LH/ LH, blood/ LH, urine/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ *PUBERTY, PRECOCIOUS, physiopathology/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood

1906. **Job JC, Vassal J, Chaussain JL, et al:** Hypothyr infantile par déficit isolé en hormone thyréo hypophysaire.
Arch Fr Pediatr 30:61-4, Jan 73
AUTOANALYSIS/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM/ IODINE, blood/ MA RADIOIMMUNOASSAY/ REFLEX, TENDO *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use

1907. **Jöchle W, Tomlinson RV, Andersen AC:** Prostagl effects on plasma progesterone levels in the pre and cycling dog (beagle).
Prostaglandins 3:209-17, Feb 73
ANIMAL EXPERIMENTS/ CORPUS LUTE drug effects/ CORPUS LUTEUM, physiol DEPRESSION, CHEMICAL/ DOGS/ *ESTR drug effects/ FEMALE/ INJECTIONS, INTRAVENOUS/ PREGNANCY/ *PREGNA ANIMAL, drug effects/ *PROGESTERONE blood/ PROSTAGLANDINS, administration dosage/ *PROSTAGLANDINS, pharmacodynamics/ RADIOLIGAND ASSA TIME FACTORS/ TRITIUM

1908. **Joffe BI, Seftel HC, Goldberg R, et al:** Factors pathogenesis of experimental nonketotic a ketoacidotic diabetic stupor. Diabetes 22:653-7,

ACIDOSIS, DIABETIC, blood/ *ALLOXAN DIABETES, blood/ ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ BLOOD SUGAR, analysis/ CARBON DIOXIDE, blood/ CHLORIDES, blood/ *DIABETIC COMA, etiology/ *DISEASE MODELS, ANIMAL, blood/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCOGEN, analysis/ HYDROCORTISONE, pharmacodynamics/ INSULIN, blood/ KETONE BODIES, blood/ LIVER, analysis/ MALE/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ RATS/ SODIUM, blood/ UREA, blood

909. **Joffe JM, Levine S:** Effects of weaning age and adult handling on avoidance conditioning, open-field behavior, and plasma corticosterone of adult rats.
Behav Biol 9:235-44, Aug 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ *AVOIDANCE LEARNING/ BIRTH WEIGHT/ BODY WEIGHT/ CONDITIONING (PSYCHOLOGY)/ *CORTICOSTERONE, blood/ ELECTROSHOCK/ EMOTIONS/ *EXPLORATORY BEHAVIOR/ FEMALE/ *HANDLING (PSYCHOLOGY)/ HOUSING, ANIMAL/ MALE/ PITUITARY GLAND, physiology/ RATS/ SEX FACTORS/ STRESS, PSYCHOLOGICAL/ *WEANING

910. **Jofre de Breyer IJ:** Interaction of ethamol and D,L-p-chlorphenylalanine on the lethal effects of L-tryptophan in rats.
Arzneim Forsch 23:884, Jun 73
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ DRUG INTERACTIONS/ LETHAL DOSE 50/ RATS/ SEROTONIN, metabolism/ TRYPTOPHAN, administration & dosage/ TRYPTOPHAN, antagonists & inhibitors/ *TRYPTOPHAN, toxicity

911. **Johenning PW:** Torsion of the previously operated testicle.
J Urol 110:221-2, Aug 73
ADOLESCENCE/ CRYPTORCHISM, surgery/ HUMAN/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS/ SCROTUM, surgery/ SPERMATIC CORD TORSION, pathology/ SPERMATIC CORD TORSION, prevention & control/ *SPERMATIC CORD TORSION, surgery/ TESTIS, surgery

912. **Johnson AG, Phillips ME, Thomas RJ:** Acute tuberculous abscess of the thyroid gland.
Br J Surg 60:668-9, Aug 73
ABSCESS, diagnosis/ ADULT/ FEMALE/ HUMAN/ STREPTOMYCIN, therapeutic use/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, drug therapy/ THYROID GLAND, abnormalities/ TUBERCULIN TEST/ *TUBERCULOSIS, ENDOCRINE, diagnosis/ TUBERCULOSIS, ENDOCRINE, drug therapy

913. **Johnson BE:** Solar radiation and skin cancer.
Br J Cancer 28:91, Jul 73
HUMAN/ MELANIN/ PIGMENTATION/ SKIN, radiation effects/ *SKIN NEOPLASMS, etiology/ *SUNLIGHT/ ULTRAVIOLET RAYS, adverse effects/ VITAMIN D, biosynthesis

914. **Johnson DG, Fujimoto WY, Williams RH:** Enhanced release of insulin by prostaglandins in isolated pancreatic islets.
Diabetes 22:658-63, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ THEOPHYLLINE/ TIME FACTORS

915. **Johnson GA, Kim EG:** Increase of brain levels of tryptophan induced by inhibition of dopamine beta-hydroxylase (EC 1.14.2.1).
J Neurochem 20:1761-4, Jun 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CRESOLS, pharmacodynamics/ DISULFIDES, pharmacodynamics/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ HYDROXYINDOLEACETIC ACID, metabolism/ IMIDAZOLES, pharmacodynamics/ KINETICS/ MALE/ NOREPINEPHRINE, metabolism/ OXAZOLES, pharmacodynamics/ PHENYLTHIOUREA, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ THIAZOLES, pharmacodynamics/ *TRYPTOPHAN, metabolism

916. **Johnson GW, Vickers C:** The identification and semi-quantitative assay of some fat-soluble vitamins and antioxidants in pharmaceutical products and animal feeds by thin-layer chromatography.
Analyst 98:257-67, Apr 73
ACETATES, analysis/ *ANIMAL FEED, analysis/ *ANTIOXIDANTS, analysis/ CHEMISTRY/ CHOLECALCIFEROL, analysis/ *CHROMATOGRAPHY, THIN LAYER/ COLORIMETRY/ DRUG COMBINATIONS/ *DRUGS, analysis/ ERGOCALCIFEROL, analysis/ FATS/ METHODS/ SOLUBILITY/ *VITAMIN A, analysis/ *VITAMIN D, analysis/ VITAMIN E, analysis

917. **Johnson JC, Gold GJ, Clouet DH:** An improved method for the assay of dopa.
Anal Biochem 54:129-36, Jul 73
BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *DOPA, analysis/ EPINEPHRINE, analysis/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS/ ULTRAVIOLET RAYS

918. **Johnson JH, King RC:** Studies on Fes, a mutation affecting cystocyte cytokinesis, in Drosophilia melanogaster.
Biol Bull 143:525-47, Dec 72
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL DIVISION/ *DROSOPHILA MELANOGASTER, cytology/ FEMALE/ *GENES, RECESSIVE/ *MUTATION/ *OVARY, cytology

919. **Johnson JM, Lachman R:** Amniographic patterns in the diagnosis of hydatidiform mole.
J Can Assoc Radiol 24:157-60, Jun 73
ADOLESCENCE/ ADULT/ *AMNION, radiography/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYDATIDIFORM MOLE, radiography/ PREGNANCY

920. **Johnson JR, McGovern VJ, May J, et al:** Focal necrotizing glomerulonephritis: treatment with prednisone and chlorambucil.
Med J Aust 2:9-12, 7 Jul 73
ADULT/ AGED/ BIOPSY/ CHILD/ *CHLORAMBUCIL, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GLOMERULONEPHRITIS, diagnosis/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ HUMAN/ KIDNEY, pathology/ MALE/ MIDDLE AGE/ NECROSIS/ *PREDNISONE, therapeutic use/ PROGNOSIS

921. **Johnson M, Ramwell PW:** Prostaglandin modification of membrane-bound enzyme activity: a possible mechanism of action?
Prostaglandins 3:703-19, May 73 (54 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BLOOD PLATELETS, enzymology/ CELL MEMBRANE, enzymology/ DEPRESSION, CHEMICAL/ ERYTHROCYTES, enzymology/ HUMAN/ *MITOCHONDRIA, LIVER, enzymology/ MUSCLES, enzymology/ PHOSPHOTRANSFERASES, metabolism/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ REVIEW/ STIMULATION, CHEMICAL

922. **Johnson RC, Ritzi DM, Livermore BP:** Outer envelope of virulent Treponema pallidum.

Infect Immun 8:291-5, Aug 73
ANIMAL EXPERIMENTS/ *CELL WALL/ IMMUNITY/ MALE/ MICROSCOPY, ELECTRON/ RABBITS/ SYPHILIS, immunology/ TESTIS, microbiology/ *TREPONEMA PALLIDUM, cytology/ VIRULENCE

1923. **Johnston I:** Reduced C.S.F. absorption syndrome. Reappraisal of benign intracranial hypertension and related conditions. Lancet 2:418-21, 25 Aug 73 (32 ref.)
ANIMAL EXPERIMENTS/ ARACHNOID, physiopathology/ BRAIN, blood supply/ BRAIN EDEMA, complications/ *CEREBROSPINAL FLUID, metabolism/ CORTISONE/ DOGS/ HUMAN/ INTRACRANIAL PRESSURE/ JUGULAR VEIN, surgery/ LIGATION/ *PSEUDOTUMOR CEREBRI, cerebrospinal fluid/ PSEUDOTUMOR CEREBRI, complications/ PSEUDOTUMOR CEREBRI, etiology/ REGIONAL BLOOD FLOW/ REVIEW

1924. **Joiner PD:** Studies on the loss of acetylcholine sensitivity in ileal muscle.
J Pharmacol Exp Ther 186:552-61, Sep 73
ACETYLCHOLINE, antagonists & inhibitors/ *ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ *ILEUM, drug effects/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ OUABAIN, pharmacodynamics/ POTASSIUM, metabolism/ SODIUM, metabolism/ TIME FACTORS

1925. **Jolly RD, Blakemore WF:** Inherited lysosomal storage diseases: an essay in comparative medicine.
Vet Rec 92:391-400, 14 Apr 73 (95 ref.)
AMAUROTIC FAMILIAL IDIOCY, veterinary/ ANIMAL EXPERIMENTS/ ANIMALS, DOMESTIC, enzymology/ BREEDING/ CATS/ CATTLE/ DOGS/ ENZYMES, blood/ GENES, RECESSIVE/ GLYCOGEN, metabolism/ GLYCOPROTEINS, metabolism/ HUMAN/ *HYDROLASES, metabolism/ LEUKOCYTES, enzymology/ *LYSOSOMES, metabolism/ METABOLISM, INBORN ERRORS, classification/ *METABOLISM, INBORN ERRORS, veterinary/ MINK/ REVIEW/ SEX CHROMOSOMES/ SHEEP/ SPHINGOLIPIDS, metabolism/ SWINE

1926. **Jonat W, Egert D, Maass H:** On the question of in-vitro metabolism of progesterone by rat and human uterus.
Acta Endocrinol [Suppl] (Kbh) 173:9, 1973
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, metabolism/ FEMALE/ HUMAN/ IN VITRO/ *PROGESTERONE, metabolism/ RATS/ TRITIUM/ UTERUS, metabolism

1927. **Joncas J, Boucher J, Boudreault A, et al:** Effect of hydrocortisone on cell viability, Epstein-Barr virus genome expression, and interferon synthesis in human lymphoblastoid cell lines.
Cancer Res 33:2142-8, Sep 73
*ANTIGENS, VIRAL, analysis/ BROMODEOXYURIDINE, pharmacodynamics/ *BURKITT'S LYMPHOMA/ BURKITT'S LYMPHOMA, immunology/ BURKITT'S LYMPHOMA, metabolism/ BURKITT'S LYMPHOMA, microbiology/ BURKITT'S LYMPHOMA VIRUS, immunology/ *BURKITT'S LYMPHOMA VIRUS, isolation & purification/ *CELL DIVISION, drug effects/ CELL LINE/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ *INTERFERON, biosynthesis/ VIRUS REPLICATION

1928. **Jones BE, Bobillier P, Pin C, et al:** The effect of lesions of catecholamine-containing neurons upon monoamine content of the brain and EEG and behavioral waking in the cat.
Brain Res 58:157-77, 17 Aug 73
ANIMAL EXPERIMENTS/ *AROUSAL/ *CATECHOLAMINES, metabolism/ CATS/ DOPAMINE, metabolism/ ELECTROENCEPHALOGRAPHY/ FEMALE/ MALE/ MESENCEPHALON, metabolism/ *MESENCEPHALON, physiology/ MOTOR ACTIVITY/ MOVEMENT DISORDERS, metabolism/ NOREPINEPHRINE, metabolism/ PONS, metabolism/ *PONS, physiology/ RETICULAR FORMATION, metabolism/ RETICULAR FORMATION, physiology/ SEROTONIN, metabolism/ STEREOTAXIC TECHNICS/ SUBSTANTIA NIGRA, physiol TEGMENTUM MESENCEPHALI, metabolism TEGMENTUM MESENCEPHALI, physiology WAKEFULNESS

1929. **Jones CT, Sellwood RA, Evanson JM:** Sympton hypomagnesaemia after parathyroidectomy.
Br Med J 3:391-2, 18 Aug 73
ADENOMA, surgery/ AGED/ BONE DISEA complications/ CALCIUM, therapeutic use/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, surgery/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, etiology/ *MAGNESIUM, blood/ MAGNESIUM, therapeutic use/ *PARATHYROID GLANDS, surgery/ PARATHYROID NEOPLASMS, complication PARATHYROID NEOPLASMS, surgery/ *POSTOPERATIVE COMPLICATIONS, bloo

1930. **Jones EL, Searle CE, Smith WT:** Tumours of nervous system induced in rats by the neo administration of N-ethyl-N-nitrosourea.
J Pathol 109:123-39, Feb 73
ANIMAL EXPERIMENTS/ ASTROCYTOMA chemically induced/ *BRAIN NEOPLASMS, chemically induced/ GLIOMA, chemically induced/ MENINGIOMA, chemically induce NEOPLASMS, EXPERIMENTAL/ NEURILEMMOMA, chemically induced/ NEUROBLASTOMA, chemically induced/ *NITROSOUREA COMPOUNDS/ OLIGODENDROGLIOMA, chemically induce ORBITAL NEOPLASMS, chemically induce PITUITARY NEOPLASMS, chemically indu RATS/ *SPINAL CORD NEOPLASMS, chemically induced/ TIME FACTORS

1931. **Jones JB, Rowsell A:** Fetal 5-hydroxytryptamine l in late pregnancy.
J Obstet Gynaecol Br Commonw 80:687-9, Au
CESAREAN SECTION/ DELIVERY/ FEMA *FETUS, metabolism/ HUMAN/ PLACENT metabolism/ *PREGNANCY/ REGRESSION ANALYSIS/ *SEROTONIN, blood/ SEROTONIN, metabolism/ TIME FACTORS UMBILICAL ARTERIES/ UMBILICAL VEI

1932. **Jones MT, Tiptaft EM:** Evidence for two corticost receptor mechanisms in the feedback contr corticotrophin secretion.
J Physiol (Lond) 232:97P-98P, Jul 73
ANIMAL EXPERIMENTS/ CORTICOSTERO administration & dosage/ CORTICOSTERO pharmacodynamics/ *CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, antagonists & inhibitors/ *FEEDBACK/ HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ *RECEPTORS, DRUG

1933. **Jones RA:** Gangrene of the uterus and its sequ
S Afr Med J 47:1327-30, 28 Jul 73
*ABORTION, CRIMINAL/ ADOLESCENCE/ CURETTAGE/ DILATATION/ EMERGENCI ENDOMETRIOSIS, etiology/ ENDOMETRIOS surgery/ FEMALE/ *GANGRENE, complications/ GANGRENE, etiology/ GANGRENE, radiography/ GANGRENE, surgery/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MIDDLE A OVARIAN CYSTS, complications/ OVARIA CYSTS, surgery/ PREGNANCY/ *UTERINE DISEASES, complications/ UTERINE DISEASES, etiology/ UTERINE DISEASES, radiography/ UTERINE DISEASES, surgery UTERINE NEOPLASMS, etiology/ UTERIN NEOPLASMS, surgery/ *UTERUS, injuries

1934. **Jones RB, Nowell NW:** The effect of urine on

investigatory behaviour of male albino mice.
Physiol Behav 11:35-8, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ *EXPLORATORY BEHAVIOR/ EXPLORATORY BEHAVIOR, drug effects/ HOUSING, ANIMAL/ LOCOMOTION/ MALE/ MICE/ ODORS/ PHEROMONES, urine/ PROPIONATES/ *SMELL/ *TERRITORIALITY/ TESTOSTERONE, pharmacodynamics/ *URINE/ WATER

[illegible] Jones RS: Paediatric intensive care.
Practitioner 211:50-63, Jul 73
CARDIOVASCULAR DISEASES, therapy/ CENTRAL NERVOUS SYSTEM DISEASES, therapy/ CHILD, PRESCHOOL/ ENDOCRINE DISEASES, therapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, therapy/ *INTENSIVE CARE UNITS/ *PEDIATRICS/ RESPIRATORY TRACT DISEASES, therapy

[illegible] Jonge GA de: Human chorionic gonadotrophin ('Pregnyl') in the treatment of nocturnal enuresis.
Dev Med Child Neurol 15:497-9, Aug 73
ADOLESCENCE/ BODY WEIGHT/ CHILD/ *ENURESIS, drug therapy/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ PENIS, drug effects/ TESTIS, drug effects

[illegible] Jonsson G, Sachs C: 6-Aminodopamine-induced degeneration of catecholamine neurons.
J Neurochem 21:117-24, Jul 73
ANIMAL EXPERIMENTS/ AXONS, metabolism/ BLOOD-BRAIN BARRIER/ BRAIN, metabolism/ CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DESIPRAMINE, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ DRUG SYNERGISM/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ IRIS, innervation/ IRIS, metabolism/ MALE/ MICROSCOPY, FLUORESCENCE/ *NERVE DEGENERATION/ *NEURONS, drug effects/ NIALAMIDE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ TRITIUM

Jonsson J, Fagraeus A: On the mechanism of the ring zone effect obtained with the mixed haemadsorption technique. Studies with defined model systems.
Acta Pathol Microbiol Scand [B] 81:165-75, Feb 73
ALBUMINS/ *ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENIC DETERMINANTS/ CELL LINE/ DINITROPHENOLS/ EGG PROTEINS/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ *HEMADSORPTION/ HEMAGGLUTINATION TESTS/ HUMAN/ IMMUNE SERUMS/ *IMMUNOLOGIC TECHNICS/ KIDNEY, immunology/ METHODS/ PRECIPITIN TESTS/ RABBITS, immunology/ SERUM ALBUMIN/ SERUM ALBUMIN, BOVINE/ SERUM ALBUMIN, RADIO-IODINATED/ SHEEP, immunology/ THYROGLOBULIN/ THYROID GLAND, immunology/ TISSUE CULTURE

Jorde W: Erfahrungen mit Triamcinolon-Acetonid in der Behandlung des Heuschnupfens (Rhinitis allergica.
Med Welt 24:261-2, 16 Feb 73 (Ger)
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ *HAY FEVER, drug therapy/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ TRIAMCINOLONE ACETONIDE, administration & dosage/ *TRIAMCINOLONE ACETONIDE, therapeutic use

Jorde W, Kersten W: Allergische Atemwegerkrankungen im Kindesalter. Diagnostische und therapeutische Erfahrungen.
Med Klin 68:961-5, 20 Jul 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ALLERGENS, diagnostic use/ ANTIHISTAMINICS, therapeutic use/ *ASTHMA/ ASTHMA, therapy/ *BRONCHITIS/ BRONCHITIS, diagnosis/ BRONCHITIS, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DESENSITIZATION/ DIET/ DIET THERAPY/ ENGLISH ABSTRACT/ *HAY FEVER/ HAY FEVER, therapy/ HUMAN/ *HYPERSENSITIVITY/ HYPERSENSITIVITY, therapy/ ORCIPRENALINE, therapeutic use/ PHENOLS, therapeutic use/ PSYCHOLOGY/ SKIN TESTS/ SYMPATHOMIMETICS, therapeutic use

1941. **Jorgensen CB:** Pattern of recruitment of oocytes to second growth phase in normal toads, and in hypophysectomized toads, Bufo bufo bufo (L.), treated with gonadotropin (HCG).
Gen Comp Endocrinol 21:152-9, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BUFO BUFO, physiology/ CELL DIFFERENTIATION/ FEMALE/ *GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ HYPOPHYSECTOMY/ *OVUM, growth & development/ *PITUITARY GLAND, physiology/ TIME FACTORS

1942. **Jorgensen EC, Block P Jr:** Thyromimetric activity of 3,5,3'-trimethyl-L-thyronine.
J Med Chem 16:306-7, Mar 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ GOITER, chemically induced/ GOITER, drug therapy/ MASS SPECTRUM ANALYSIS/ METHYLATION/ OPTICAL ROTATION/ RATS/ THIOURACIL/ *THYRONINE, chem synthesis/ THYRONINE, therapeutic use

1943. **Jorgensen H, Aakvaag A:** Plasma corticosteroid response to metyrapone. A simplified assessment of pituitary-adrenal function.
Acta Med Scand 193:537-42, Jun 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ ADULT/ AGED/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ METHODS/ METYRAPONE, administration & dosage/ *METYRAPONE, diagnostic use/ MIDDLE AGE/ *PITUITARY-ADRENAL FUNCTION TESTS/ PROGESTERONE, blood/ TRITIUM

1944. **Jorgensen JV:** Discriminant value of thyroid function tests.
Br Med J 3:170, 21 Jul 73
HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism

1945. **Jori A, Cecchetti G:** Homovanillic acid levels in rat striatum during the oestrous cycle.
J Endocrinol 58:341-2, Aug 73
ANIMAL EXPERIMENTS/ CORPUS STRIATUM, analysis/ *ESTRUS/ FEMALE/ *GANGLIA, BASAL, analysis/ HOMOVANILLIC ACID, analysis/ *PHENYLACETATES, analysis/ RATS/ SEASONS

1946. **Josipović DB, Stojanović ID:** Influence of long-term corticosteroid treatment on glucose tolerance in patients with rheumatoid arthritis.
Acta Med Iugosl 27:293-302, 1973
*ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, drug therapy/ BLOOD SUGAR/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ ISLANDS OF LANGERHANS, metabolism/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ TIME FACTORS

1947. **Joslyn WD:** Androgen-induced social dominance in

infant female rhesus monkeys.
J Child Psychol Psychiatry 14:137-45, Jun 73
AGE FACTORS/ AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT/ FACIAL EXPRESSION/ FEAR/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ *MACACA/ MALE/ MONKEYS/ SOCIAL BEHAVIOR/ *SOCIAL DOMINANCE/ *TESTOSTERONE, pharmacodynamics

1948. **Joss JM:** The pineal complex, melatonin, and color change in the lamprey Lampetra.
Gen Comp Endocrinol 21:188-95, Aug 73
ANIMAL EXPERIMENTS/ *CHROMATOPHORES, drug effects/ CIRCADIAN RHYTHM/ *CYCLOSTOMES, physiology/ EYE, physiology/ HYPOPHYSECTOMY/ MELANIN/ *MELATONIN, pharmacodynamics/ METAMORPHOSIS, BIOLOGICAL/ MSH, antagonists & inhibitors/ *PIGMENTATION/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ PITUITARY GLAND, physiology

1949. **Joss JM:** Pineal-gonad relationships in the lamprey Lampetra fluviatilis.
Gen Comp Endocrinol 21:118-22, Aug 73
ANIMAL EXPERIMENTS/ *CYCLOSTOMES, physiology/ FEMALE/ *GONADS, growth & development/ MALE/ *PINEAL BODY, physiology/ SEX CHARACTERISTICS

1950. **Josso N:** In vitro synthesis of müllerian-inhibiting hormone by seminiferous tubules isolated from the calf fetal testis. Endocrinology 93:829-34, Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ FETUS/ HORMONES, biosynthesis/ *HORMONES, physiology/ IN VITRO/ MALE/ *MULLERIAN DUCTS, drug effects/ ORGAN CULTURE/ RATS/ SERTOLI CELLS, metabolism/ *SERTOLI CELLS, physiology/ TESTIS, metabolism/ *TESTIS, physiology/ TISSUE CULTURE

1951. **Jost A:** Hormonal effects on fetal development: a survey. Clin Pharmacol Ther 14:714-20, Jul-Aug 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ CYPROTERONE, pharmacodynamics/ FETUS, drug effects/ FETUS, growth & development/ GESTATIONAL AGE/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ THYROID GLAND, metabolism/ UTERUS, drug effects

1952. **Jourdan F, Nicaise G:** Afférences sérotoninergiques non synaptiques sur le soma géant gauche de l'Aplysie.
Rev Neurol (Paris) 127:299-300, Aug 72 **(Fre)**
ANIMAL EXPERIMENTS/ MICROSCOPY, ELECTRON/ *MOLLUSCA/ NEUROGLIA, cytology/ NEURONS, cytology/ *NEURONS, physiology/ *SEROTONIN, physiology

1953. **Jouvenaz GH, Nugteren DH, Dorp DA van:** Gas chromatographic determination of nanogram amounts of prostaglandins E and F.
Prostaglandins 3:175-87, Feb 73
AMNIOTIC FLUID, analysis/ BROMINE/ CHROMATOGRAPHY, GAS/ ESTERS/ FEMALE/ FLUOROACETATES/ GEL FILTRATION/ HUMAN/ INTESTINE, SMALL, analysis/ LABOR/ LIVER, analysis/ LUNG, analysis/ METHODS/ METHYLATION/ *PROSTAGLANDINS, analysis/ RATS/ SKIN, analysis/ STOMACH, analysis

1954. **Jubiz W, Frailey J, Child C, et al:** Physiologic role of prostaglandins of the E(PGE), F(PGF) and AB(PGAB) groups. Estimation by radioimmunoassay in unextracted human plasma.
Prostaglandins 2:471-89, Dec 72
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BINDING SITES, ANTIBODY/ CIRCADIAN RHYTHM/ CROSS REACTIONS FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, blood/ IMMUNE SERUMS LABOR/ MALE/ MENSTRUATION/ PREGNANCY/ *PROSTAGLANDINS, blood/ *PROSTAGLANDINS, physiology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEME analysis/ TRITIUM

1955. **Juchau MR, Pedersen MG, Fantel AG, et al:** I metabolism by placenta.
Clin Pharmacol Ther 14:673-9, Jul-Aug 73
BENZOPYRENES, metabolism/ BIOTRANSFORMATION/ CHOLESTEROL, metabolism/ CYTOCHROME P-450, metaboli DEAMINATION/ *DRUGS, metabolism/ FEMALE/ FETUS, enzymology/ FLAVOPROTEINS, metabolism/ GESTATIO AGE/ GLUCURONATES, metabolism/ HUM HYDROXYLASES, metabolism/ HYDROXYLATION/ MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ NADP, metabolism/ OXIDATION-REDUCTIC OXYGEN CONSUMPTION/ PLACENTA, cytology/ PLACENTA, metabolism/ *PLACENTA, metabolism/ PREGNANCY

1956. **Juhász B, Papp Z, Rigó J, et al:** The verificatio dominant inheritance by means of pedigree investigation. J R Coll Gen Pract 23:289-92, Ap *DWARFISM, familial & genetic/ *EXOSTOSES, MULTIPLE, familial & genet FEMALE/ *GENES, DOMINANT/ GENETIC COUNSELING/ HUMAN/ MALE/ *PEDIGRI SCOLIOSIS, familial & genetic

1957. **Juillard MT:** Premières rèactions des èpithèlium l'ébauche vaginale chez la souris nouveau-née tra par une faible dose d'oestradiol.
C R Soc Biol (Paris) 166:1499-503, 1972 (
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION, dr effects/ *EPITHELIAL CELLS, drug effect *ESTRADIOL, pharmacodynamics/ FEMALE METHODS/ MICE/ *VAGINA, drug effects/ VAGINA, embryology

1958. **Julien JL:** Comment prévenir l'angine de poit Therapeutique 49:131-4, Feb 73 (
ANGINA PECTORIS, familial & genetic/ *ANGINA PECTORIS, prevention & contro ARTERIOSCLEROSIS, etiology/ DIABETES MELLITUS, complications/ DIET THERAP GOUT, complications/ HUMAN/ HYPERLIPEMIA, complications/ HYPERTENSION, complications/ HYPOTHYROIDISM, complications/ OBESIT complications/ SMOKING, complications

1959. **Junstad M, Wennmalm A:** On the release prostaglandin E2 from the rabbit heart follo infusion of noradrenaline.
Acta Physiol Scand 87:573-4, Apr 73
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMA EXPERIMENTS/ *MYOCARDIUM, drug effects/ MYOCARDIUM, secretion/ *NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDINS, secretion/ RABBITS

1960. **Juorio AV, Killick SW:** Monoamines and th metabolism in some molluscs.
Comp Gen Pharmacol 3:283-95, Sep 72
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ DOPA, pharmacodynamics DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ GANGLIA, metabolism/ HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, metaboli IN VITRO/ *MOLLUSCA, metabolism/ MUSCLES, drug effects/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ OCTOPU metabolism/ OPTIC LOBE, metabolism/ PARGYLINE, pharmacodynamics/ PHENYLACETATES, metabolism/ SEASON SEROTONIN, metabolism/ SNAILS, metabolism/ TRANYLCYPROMINE, pharmacodynamics

961. **Jurášek L, Smillie LB:** The amino acid sequence of Streptomyces griseus trypsin. I. The peptic peptides.
Can J Biochem 51:1077-88, Jul 73
AMIDES/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ CYSTEINE/ DANSYL COMPOUNDS/ ELECTROPHORESIS, PAPER/ HYDROGEN-ION CONCENTRATION/ PEPSIN/ PEPTIDE HYDROLASES, analysis/ *PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PRONASE, analysis/ SERINE/ *STREPTOMYCES, enzymology/ STREPTOMYCES GRISEUS, enzymology/ THIOCYANATES/ *TRYPSIN, analysis

962. **Jurkowski A, Kański M:** Cyklaza adenylowa i cykliczny adenozyno-3',5'-monofosforan.
Postepy Hig Med Dosw 27:329-40, May-Jun 73 (Pol)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, biosynthesis/ ADENYL CYCLASE, metabolism/ *ADENYL CYCLASE, physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CEREBELLUM/ CEREBRAL CORTEX/ CHEMISTRY/ ENGLISH ABSTRACT/ LIVER GLYCOGEN, metabolism/ MICROSOMES, enzymology/ PROTEIN KINASE, metabolism/ RATS/ RETINA

963. **Jurmand SH:** Les injections péridurales de corticoides dans le traitement des lombalgies et des sciatiques d'origine discale.
Rev Rhum Mal Osteoartic 40:461-4, Jun 73 (Fre)
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ BACKACHE, drug therapy/ CLINICAL RESEARCH/ HUMAN/ INJECTIONS, INTRATHECAL/ METHODS/ PROGNOSIS/ *SCIATICA, drug therapy

K

964. **Kabanov MM, Meerov GI, Funtiakova NG:** Pokazateli ekskretsii 17-ketosteroidov s mochoi u zdorovykh muzhchin i zhenshchin pri ispol'zovanii modifitsirovannoi proby po Libkhartu.
Lab Delo 8:479-82, 1972 (Rus)
CIRCADIAN RHYTHM/ COLORIMETRY/ *CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ *PITUITARY-ADRENAL FUNCTION TESTS/ SPECTROPHOTOMETRY

965. **Kabrawala VN, Mehta NR:** Idiopathic hypoparathyroidism.
J Indian Med Assoc 60:301-2, 16 Apr 73
ADULT/ CASE REPORT/ HUMAN/ *HYPOPARATHYROIDISM/ MALE

966. **Kachi T, Kachi H:** [Morphological changes of the epididymis and testis in neonatally estrogenized mice]
Acta Anat Nippon 48:202-11, Jun 73 (Jap)
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ENGLISH ABSTRACT/ *EPIDIDYMIS, drug effects/ EPIDIDYMIS, pathology/ *ESTROGENS, pharmacodynamics/ MALE/ MICE/ *TESTIS, drug effects/ TESTIS, pathology

967. **Kadar D, Inaba T, Endrenyi L, et al:** Comparative drug elimination capacity in man-glutethimide, amobarbital, antipyrine, and sulfinpyrazone.
Clin Pharmacol Ther 14:552-60, Jul-Aug 73
ADULT/ AMOBARBITAL, blood/ *AMOBARBITAL, metabolism/ ANTIPYRINE, blood/ *ANTIPYRINE, metabolism/ CHROMATOGRAPHY, GAS/ GLUTETHIMIDE, blood/ *GLUTETHIMIDE, metabolism/ HALF-LIFE/ HUMAN/ HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ SULFINPYRAZONE, blood/ *SULFINPYRAZONE, metabolism/ SULFINPYRAZONE, urine/ TIME FACTORS

968. **Kądzielawa K:** Influence of monoamine precursors on the brain electrical self-stimulation in the rat.
Acta Physiol Pol 24:51-60, Jan-Feb 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, physiology/ CATECHOLAMINES, pharmacodynamics/ DIENCEPHALON, physiology/ DOPA, antagonists & inhibitors/ *DOPA, pharmacodynamics/ DRUG INTERACTIONS/ HALOPERIDOL, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ REWARD/ *SELF STIMULATION/ *SERINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TELENCEPHALON, physiology

1969. **Kahn A:** Serum thyroxine levels in patients receiving L-thyroxine suppression or replacement therapy.
Can Med Assoc J 109:279-81, 18 Aug 73
GOITER, blood/ *GOITER, drug therapy/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, drug therapy/ PROTEIN-BOUND IODINE TEST/ THYROXINE, administration & dosage/ *THYROXINE, blood/ THYROXINE, therapeutic use

1970. **Kahn MF:** Traitement des rhumatismes inflammatoires chroniques.
Rev Med Liege 28:313-28, 15 May 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTIMALARIALS, therapeutic use/ ARTHRITIS, RHEUMATOID, therapy/ ASPIRIN, therapeutic use/ COLLAGEN DISEASES, therapy/ GOLD, therapeutic use/ HEAT/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INDOMETHACIN, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PHYSICIAN-PATIENT RELATIONS/ PSYCHOTHERAPY/ *RHEUMATISM, therapy/ SPONDYLITIS, ANKYLOSING, therapy/ STREPTOCOCCAL INFECTIONS, therapy/ SYNOVIAL MEMBRANE, surgery

1971. **Kahn RA, Flinton LJ:** Evaluation of ethylene glycol as a cryoprotective agent for blood platelets.
Cryobiology 10:148-51, Jun 73
*BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ BLOOD PRESERVATION/ CARBON ISOTOPES/ *CRYOPROTECTIVE AGENTS, pharmacodynamics/ EVALUATION STUDIES/ FREEZING/ *GLYCOLS, pharmacodynamics/ GLYCOLS, toxicity/ HUMAN/ POTASSIUM, pharmacodynamics/ SEROTONIN, metabolism

1972. **Kal'chenko II, Nechiporenko FP:** Ob"em i varianty operatsii pri tireotoksikoze.
Klin Khir 12:17-24, Dec 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ METHODS/ MIDDLE AGE/ *THYROIDECTOMY

1973. **Kalderon AE, Tucci JR:** Ultrastructure of a human chorionic gonadotropin-and adrenocorticotropin-responsive functioning Sertoli-Leydig cell tumor (type I).
Lab Invest 29:81-9, Jul 73
ADULT/ ANDROSTERONE, urine/ CILIA/ COLLAGEN/ CORTICOTROPIN, pharmacodynamics/ DEHYDROEPIANDROSTERONE, urine/ ENDOPLASMIC RETICULUM/ ETIOCHOLANOLONE, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *LEYDIG CELL TUMOR, pathology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OVARIAN NEOPLASMS, pathology/ *SERTOLI CELL TUMOR, pathology/ TESTOSTERONE, blood

1974. **Kalimi M, Beato M, Feigelson P:** Interaction of glucocorticoids with rat liver nuclei. I. Role of the cytosol proteins.
Biochemistry 12:3365-71, 28 Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, drug

effects/ *CELL NUCLEUS, metabolism/ CHLORIDES, pharmacodynamics/ *CYTOSOL/ *DEXAMETHASONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOCORTICOIDS/ KIDNEY, cytology/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MAGNESIUM, pharmacodynamics/ ORGAN SPECIFICITY/ OSMOLAR CONCENTRATION/ *PROTEINS, pharmacodynamics/ RATS/ RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ SPLEEN, cytology/ TRITIUM

1975. **Kalinin AP, Radbil' OS:** O krovoizliianiiakh v nadpochechniki (obzor inostrannoĭ literatury. Klin Med (Mosk) 50:9-15, Nov 72 **(Rus)**
*ADRENAL GLAND DISEASES/ ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, history/ ADRENAL GLAND DISEASES, mortality/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, injuries/ ADULT/ ANTICOAGULANTS, adverse effects/ AUTOPSY/ CHILD/ FEMALE/ *HEMORRHAGE/ HEMORRHAGE, diagnosis/ HEMORRHAGE, etiology/ HEMORRHAGE, history/ HEMORRHAGE, mortality/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ REVIEW/ STRESS, complications/ WATERHOUSE-FRIDERICHSEN SYNDROME, complications

1976. **Kaliuzhnyi IT, Belekova RB, Bugrova LE, et al:** Radioizotopnye metody issledovaniia funktsii shchitovidnoĭ zhelezy, primeniaemye dlia diagnostiki giper- i gipotireoza v Kirgizii.
Sov Zdravookhr Kirg 2:14-8, Mar-Apr 73 **(Rus)**
HUMAN/ *HYPERTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ KIRGHIZIA/ *RADIOISOTOPE SCANNING/ *THYROID GLAND FUNCTION TESTS

1977. **Kallela K:** Effect of prolonged plant oestrogen treatment in female rats. 3. Some histochemical, biochemical and histopathological changes.
Nord Vet Med 25:232-41, Apr-May 73
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CERVIX UTERI, drug effects/ CHROMATOGRAPHY, THIN LAYER/ *ESTROGENS, pharmacodynamics/ FEMALE/ GLYCOGEN, metabolism/ GRANULATION TISSUE/ LEUKOCYTES/ METHODS/ PHAGOCYTES/ PLANT EXTRACTS, pharmacodynamics/ RATS/ SILAGE/ STAINS AND STAINING/ STIMULATION, CHEMICAL/ UTERUS, cytology/ *UTERUS, drug effects/ UTERUS, enzymology

1978. **Kallela K:** Effect of prolonged plant oestrogen treatment in female rats. I. Effect on uterine weight and histological picture. Nord Vet Med 24:501-7, Oct 72
ANIMAL EXPERIMENTS/ *ESTROGENS, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ ORGAN WEIGHT/ PLANTS/ RATS/ SILAGE/ TIME FACTORS/ UTERUS, anatomy & histology/ *UTERUS, drug effects/ UTERUS, pathology

1979. **Kallela K:** Effect of prolonged plant oestrogen treatment in female rats. II. Changes in behaviour, fertility and number of progeny.
Nord Vet Med 25:91-6, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ESTROGENS, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ PLANT EXTRACTS, administration & dosage/ PLANT EXTRACTS, analysis/ PLANT EXTRACTS, pharmacodynamics/ PREGNANCY/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects

1980. **Kalra SP, McCann SM:** Variations in the release of LH in response to electrochemical stimulation of preoptic area and of medial basal hypothalamus during the estrous cycle of the rat.
Endocrinology 93:665-9, Sep 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *ESTRUS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ IRON/ *LH, blood/ PENTOBARBITAL, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, physiology/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

1981. **Kalra SP, McCann SM:** Effect of drugs modifyir catecholamine synthesis on LH release induced b preoptic stimulation in the rat.
Endocrinology 93:356-62, Aug 73
AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CEREBRAL VENTRICLES, physiology/ DOPA, pharmacodynamics/ DOPAMINE, metabolism/ ELECTRIC STIMULATION/ FEMALE/ *LH, blood/ METHYLTYROSINES, antagonists & inhibitors METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ SYNAPSES, physiology/ THIOCARBAMATES, pharmacodynamics

1982. **Kalsner S:** Mechanism of potentiation of vascula responses by tetraethylammonium: a novel form o sensitization. Can J Physiol Pharmacol 51:451-7, Jun 7
*AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, metabolism/ *BLOOD VESSELS, drug effects/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ HISTAMINE, pharmacodynamics/ IN VITRO/ METARAMINOL, pharmacodynamics/ METHOXAMINE, pharmacodynamics/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROADIFEN, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics

1983. **Kalsner S:** Mechanism of potentiation by amines o non-equilibrium blockade of the alpha-adrenoceptor
Br J Pharmacol 47:386-97, Feb 73
*AMINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, drug effects/ ARTERIES, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ MUSCLE, SMOOTH, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ QUINOLINES, pharmacodynamics/ RABBITS/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, pharmacodynamics/ STOMACH, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYMPATHOMIMETICS, pharmacodynamics

1984. **Kamath SA, Rubin E:** The exchange of phospholipids between subcellular organelles of the liver.
Arch Biochem Biophys 158:312-22, Sep 73
ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CELL FRACTIONATION/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ CYANIDES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ KINETICS/ LANTHANUM, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ LIVER, cytology/ *LIVER, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ ROTENONE, pharmacodynamics/ TIME FACTORS

1985. **Kamijyo K, Oara H, Wada T:** [Clinical study on diurnal rhythm of corticosteroids level in the blood]
Clin Endocrinol (Tokyo) 21:413-7, Apr 73 **(Jap)**

ADULT/ *CIRCADIAN RHYTHM/ *GLUCOCORTICOIDS, blood/ HUMAN/ MALE/ RADIOLIGAND ASSAY

6. **Kanayama Y, Kubo K, Furukawa Y, et al:** A case of posttraumatic hypopituitarism.
Endocrinol Jap 19:517-23, Dec 72
*HEAD INJURIES, complications/ HUMAN/ *HYPOPITUITARISM, etiology/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY GLAND FUNCTION TESTS/ THYROID GLAND FUNCTION TESTS

7. **Kandil E:** Yellow nail syndrome.
Int J Dermatol 12:236-40, Jul-Aug 73
ADOLESCENCE/ BRONCHIECTASIS, complications/ COLOR, standards/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FINGERS, radiography/ HUMAN/ NAILS, growth & development/ *NAILS, MALFORMED, diagnosis/ NAILS, MALFORMED, radiography/ PLEURAL EFFUSION, complications/ SYNDROME/ THYROID DISEASES, complications

8. **Kaneda K:** [Radiation treatment of testicular cancer]
Jap J Clin Radiol 48:599-600, Aug 73 (Jap)
CHILD/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, radiotherapy

9. **Kaneko T:** [Action mechanism of releasing factors]
Clin Endocrinol (Tokyo) 21:359-64, Apr 73 (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ LH, secretion/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ RATS

0. **Kangas J, Mäkelä J:** The influence of feeding packing plant byproducts containing thyroids and parathyroids on the reproduction of rats and mink.
Nord Vet Med 24:162-70, Mar 72
ANIMAL EXPERIMENTS/ ANIMAL FEED/ CATTLE/ CHOLESTEROL, blood/ FEMALE/ *FERTILITY, drug effects/ MALE/ MINK/ *PARATHYROID HORMONE, pharmacodynamics/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ RATS/ REPRODUCTION, drug effects/ *THYROID HORMONES, pharmacodynamics

1. **Kano-Sueoka T, Hsieh P:** A rat mammary carcinoma in vivo and in vitro: establishment of clonal lines of the tumor. Proc Natl Acad Sci USA 70:1922-6, Jul 73
ANIMAL EXPERIMENTS/ BLOOD/ CATTLE/ CELL DIVISION, drug effects/ CLONE CELLS/ CULTURE MEDIA/ ESTRADIOL, pharmacodynamics/ FETUS/ HYPOPHYSECTOMY/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ NEOPLASM TRANSPLANTATION/ PROLACTIN, pharmacodynamics/ RATS/ TOLUENE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

2. **Kanyama H:** Quantitative change of dopamine in the tuberohypophyseal tract of the rat under some experimental conditions.
Arch Histol Jap 35:289-99, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ DEXAMETHASONE, pharmacodynamics/ DOPA, pharmacodynamics/ *DOPAMINE, analysis/ HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HYPOPHYSECTOMY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ MALE/ MICROSCOPY, FLUORESCENCE/ NIALAMIDE, pharmacodynamics/ PITUITARY GLAND, analysis/ RATS/ RESERPINE, pharmacodynamics

3. **Kapitola J, Schüllerová M:** Oběhové změny v experimentální hypertyreóze krys. II. Prütok krve endokrinními žlázami.
Sb Lek 75:231-6, Aug 73 (Cze)
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ *ENDOCRINE GLANDS, blood supply/ ENGLISH ABSTRACT/ *HYPERTHYROIDISM, physiopathology/ MALE/ PITUITARY GLAND/ RADIOISOTOPES/ RATS/ REGIONAL BLOOD FLOW/ RUBIDIUM/ TESTIS, blood supply/ THYROID GLAND, blood supply

1994. **Kaplan HG, Hreshchyshyn MM:** Diagnosis of molar pregnancies by oestetrol: quantitation in urine.
Acta Endocrinol [Suppl] (Kbh) 173:50, 1973
CHROMATOGRAPHY, GAS/ *ESTRIOL, metabolism/ *ESTRIOL, urine/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, urine/ LIVER, metabolism/ METHODS/ PREGNANCY

1995. **Kaplan SD:** Hyperparathyroidism and asthma.
Lancet 2:447, 25 Aug 73
ADOLESCENCE/ ADULT/ AGED/ *ASTHMA, complications/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ *HYPERPARATHYROIDISM, complications/ INFANT/ MIDDLE AGE

1996. **Karadžov O, Arandelović B, Gvozdenović-Sedlecki S, et al:** Hemopulpogram posle primene Ledermixa.
Stomatol Glas Srb 258-66, Aug-Oct 72 (Cro)
DEMETHYLCHLORTETRACYCLINE, pharmacodynamics/ DENTAL PULP, drug effects/ SPECIAL LIST DENTAL/ TRIAMCINOLONE ACETONIDE, pharmacodynamics

1997. **Karchmer S, Díaz Infante JS, Fonseca E:** Correlación de los niveles de estriol urinario en muestras de 24 hrs. y primera micción del día.
Ginecol Obstet Mex 34:43-7, Jul 73 (Spa)
COMPARATIVE STUDY/ CREATININE, urine/ ENGLISH ABSTRACT/ *ESTRADIOL, urine/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ SPECIMEN HANDLING/ TIME FACTORS

1998. **Karg F, Körnich H:** Behandlung des Asthma bronchiale im Kindesalter mit Dinatrium cromoglicicum.
Monatsschr Kinderheilkd 121:220-6, Jun 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ *DISODIUM CROMOGLYCATE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ SKIN TESTS

1999. **Karger T, Müller R, Debuch H, et al:** Early effects of testosterone on phospholipid metabolism in the seminal vesicles of immature rats.
Acta Endocrinol [Suppl] (Kbh) 173:115, 1973
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARDIOLIPINS, metabolism/ CEPHALINS, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ETHANOLAMINES/ LECITHINS, metabolism/ MALE/ PHOSPHOINOSITIDES, metabolism/ *PHOSPHOLIPIDS, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics

2000. **Kariher DH:** Erythema nodosum and oral contraception. Obstet Gynecol 42:323-4, Aug 73
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *ERYTHEMA NODOSUM, chemically induced/ ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, adverse effects

2001. **Karim SM, Carter DC, Bhana D, et al:** The effect of orally and intravenously administered prostaglandin 16:16 dimethyl E2 methyl ester on human gastric acid secretion. Prostaglandins 4:71-83, Jul 73
ACID-BASE EQUILIBRIUM, drug effects/ ADMINISTRATION, ORAL/ DEPRESSION, CHEMICAL/ ESTERS, pharmacodynamics/ *GASTRIC JUICE, drug effects/ GASTRIC JUICE, secretion/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ MALE/ PENTAGASTRIN, pharmacodynamics/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS

2002. **Karppanen H:** Biologiset vuorokausirytmit.
Duodecim 89:529-37, 1973 **(Fin)**
AMINOPYRINE N-DEMETHYLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ BLOOD PRESSURE/ *CIRCADIAN RHYTHM/ DRUGS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYLASES, metabolism/ LIGHT/ LIVER, enzymology/ MOTOR ACTIVITY/ PINEAL BODY, physiology/ RATS/ TRIGLYCERIDES, blood

2003. **Karsch FJ, Weick RF, Hotchkiss J, et al:** An analysis of the negative feedback control of gonadotropin secretion utilizing chronic implantation of ovarian steroids in ovariectomized rhesus monkeys.
Endocrinology 93:478-86, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ DRUG SYNERGISM/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ *FSH, blood/ *LH, blood/ MACACA/ MONKEYS/ OVARY, physiology/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics

2004. **Kasab'ian SS, Zaichenko IuM:** Gistokhimiia tsitokhromoksidazy v maligniziruiushchikhsia tsilioepitelial'nykh kistomakh.
Akush Ginekol (Mosk) 48:66-7, Oct 72 **(Rus)**
CELL TRANSFORMATION, NEOPLASTIC/ *CYSTADENOCARCINOMA, enzymology/ *CYTOCHROME OXIDASE, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *OVARIAN NEOPLASMS, enzymology

2005. **Kasavina BS, Chesnokova NB:** Lysosomal hydrolases of the eye tissues and the effect of corticosteroids on their activity. Exp Eye Res 16:227-33, Jul 73
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, enzymology/ CELL MEMBRANE, drug effects/ CILIARY BODY, drug effects/ CILIARY BODY, enzymology/ DEPRESSION, CHEMICAL/ *DESOXYCORTICOSTERONE, pharmacodynamics/ *EYE, enzymology/ GALACTOSIDASE, metabolism/ GLUCOSIDASE, metabolism/ *GLYCOSIDE HYDROLASES, metabolism/ HYALURONIDASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES/ MITOCHONDRIA/ RABBITS/ VITREOUS BODY, enzymology

2006. **Kasavina BS, Chesnokova NB:** Aktivnost' kislykh nukleaz tkaneĭ glaza pri deĭstvii kortikosteroidnykh gormonov.
Dokl Akad Nauk SSSR 211:477-80, 11 Jul 73 **(Rus)**
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, drug effects/ *AQUEOUS HUMOR, enzymology/ CILIARY BODY, drug effects/ *CILIARY BODY, enzymology/ *DEOXYRIBONUCLEASE, metabolism/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GALACTOSIDASE, metabolism/ GLUCOSIDASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MALE/ RABBITS/ *RIBONUCLEASE, metabolism/ VITREOUS BODY, drug effects/ *VITREOUS BODY, enzymology

2007. **Käser H:** Circular thin-layer chromatography for diagnosis and follow-up of neural crest tumours.
J Chromatogr 82:127-36, 18 Jul 73
CATECHOL, urine/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, urine/ CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ DOPA, urine/ EPINEPHRINE, urine/ FOLLOW-UP STUDIES/ GANGLIONEUROMA, diagnosis/ HUMAN/ MELANOMA, diagnosis/ METHODS/ *NEOPLASMS, NERVOUS TISSUE, diagnosis/ NEOPLASMS, VASCULAR TISSUE, urine/ NEUROBLASTOMA, diagnosis/ NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, diagnosis

2008. **Kasperlik-Zaluska A, Kraj M, Snigurowicz J:** Immunoglobulin levels in Cushing's syndrome
Arch Immunol Ther Exp (Warsz) 21:431-4, 19
ADENOMA, surgery/ ADRENAL GLAND DISEASES, immunology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ ADULT/ AGAMMAGLOBULINEMIA, immunology/ CARCINOMA, surgery/ *CUSHING'S SYNDROME, immunology/ FEMALE/ GAMMA GLOBULIN, analysis/ HUMAN/ HYDROCORTISONE, blood/ HYPERPLASIA/ *IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ SUPPURATION, etiology/ TIME FACTORS

2009. **Kasuya Y, Wolff ME:** Uptake of androgen analogs prostate tissue. J Med Chem 16:832-6, Jul 7
*ANDROGENS, metabolism/ *ANDROSTANES metabolism/ *ANDROSTENES, metabolism/ ANDROSTENOL, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE, drug effects/ BINDING SITES/ CARBON ISOTOPES/ CYPROTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ HYDROXYSTEROIDS, metabolism/ IN VITRO/ MALE/ *PROSTATE metabolism/ PROTEIN BINDING, drug effect RABBITS/ RECEPTORS, HORMONE, drug effects/ STANOZOLOL, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TESTOSTERONE, metabolism/ TRITIUM

2010. **Katagiri T:** A report on the family planning program the People's Republic of China.
Stud Fam Plann 4:216-8, Aug 73
ABORTION, INDUCED/ ADULT/ BIRTH RATE/ CHINA/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ GYNECOLOGY/ HOSPITALS, SPECIAL/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ MARRIAGE/ METHODS/ MIDDLE AGE/ OBSTETRICS/ PREGNANCY/ STERILIZATIO TUBAL/ VASECTOMY

2011. **Katayama T, Momose G, Kitahara K, et al:** [A study radiation hypophysectomy for prostatic cancer. 3. Tl clinical effect]
Jap J Urol 64:231-7, Mar 73 **(Ja**
*ADENOCARCINOMA, therapy/ AGED/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *PITUITARY GLAND IRRADIATION/ PITUITARY GLAND IRRADIATION, adverse effects/ PROGNOSIS/ *PROSTATIC NEOPLASMS, therapy

2012. **Kato D:** Androgenes Hormon auf die sympathische Ganglienzellen.
Yonago Acta Med 16:172-5, Feb 73 **(Ge**
*ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ FEMALE/ *GANGLIA, AUTONOMIC, drug effects/ HYPERTROPHY/ MICE/ SUBMANDIBULAR GLAND, innervatio

2013. **Kato Y, Chihara K, Ogori K:** [Prolactin]
Clin Endocrinol (Tokyo) 21:219-25, Mar 73 (32 ref **(Ja**
CROSS REACTIONS/ FEMALE/ HUMAN/ IODINE ISOTOPES/ METHODS/ MICE/ *PROLACTIN, blood/ PROLACTIN, isolation purification/ PROLACTIN, secretion/ RABBITS/ *RADIOIMMUNOASSAY/ REVIEW

2014. **Katongole CB, Naftolin F, YoungLai EV:** Diurn variations in ovarian steroids and luteinizing hormor in cows at oestrus. Steroids Lipids Res 4:1-5, 19
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CIRCADIAN RHYTHM/ DOGS/ *ESTROGENS, blood/ *ESTRUS/ FEMALE/ GEL FILTRATION/ IMMUNE SERUMS/ *LH, blood *PROGESTERONE, blood/ PROTEIN BINDING RABBITS, immunology/ TIME FACTORS

2015. **Katsuki S, Saito K, Yoshida H:** Inhibitory effect of Na on phosphorylation of proteins in brain microsome and synaptic membranes.
J Biochem (Tokyo) 73:1303-5, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE pharmacodynamics/ ANIMAL EXPERIMENTS/

*BRAIN, metabolism/ DEPRESSION, CHEMICAL/ ETHYLMALEIMIDE, pharmacodynamics/ HISTONES/ IN VITRO/ IONS/ *MICROSOMES, metabolism/ *NERVE TISSUE PROTEINS, metabolism/ RATS/ *SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ *SYNAPTIC MEMBRANES, metabolism

3. **Katsura Y, Uesaka I, Sakurami T:** [Auto-immune cells in experimental thyroiditis. I. A study of plaque forming cells]
Bull Chest Dis Res Inst Kyoto Univ 6:145-9, Mar 73 (Jap)
ANIMAL EXPERIMENTS/ *ANTIBODY PRODUCING CELLS/ *AUTOANTIBODIES/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HEMOLYTIC PLAQUE TECHNIC/ IMMUNITY, CELLULAR/ LYMPH NODES, immunology/ SPLEEN, immunology/ THYROID GLAND, immunology/ THYROID HORMONES/ *THYROIDITIS, immunology

Katz AM: Effects of ischemia on the contractile processes of heart muscle.
Am J Cardiol 32:456-60, 20 Sep 73 (29 ref.)
ACTIN, metabolism/ ACTION POTENTIALS/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, physiopathology/ GLYCOLYSIS/ *HEART, physiopathology/ HUMAN/ MITOCHONDRIA, MUSCLE, metabolism/ MYOCARDIUM, metabolism/ MYOSIN, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism/ TROPOMYOSIN, metabolism

Katz AM, Repke DI: Calcium transport by rabbit skeletal muscle microsomes ("fragmented sarcoplasmic reticulum").
Biochim Biophys Acta 298:270-8, 16 Mar 73
ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ KINETICS/ MEMBRANES, metabolism/ MICROSOMES/ *MICROSOMES, metabolism/ MUSCLES, cytology/ MUSCLES, metabolism/ OXALATES/ PROTEIN BINDING/ RATS/ SARCOPLASMIC RETICULUM, metabolism/ TIME FACTORS/ ULTRAFILTRATION

Katz M, Lunenfeld B, Insler V: Induction of ovulation with gonadotropins. S Afr Med J 47:1272-80, 28 Jul 73
AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ CERVIX MUCUS/ FEMALE/ GONADOTROPINS, pharmacodynamics/ *GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, adverse effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MENOTROPINS, administration & dosage/ MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ *OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, therapeutic use/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

Kauffman RE, Boulos BM, Azarnoff DL: Placental transfer of penicillin G during constant-rate infusion in the goat. Am J Obstet Gynecol 117:64-8, 1 Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ FETUS, metabolism/ GESTATIONAL AGE/ GOATS, anatomy & histology/ *GOATS, physiology/ *MATERNAL-FETAL EXCHANGE/ PENICILLIN, blood/ PENICILLIN G, analysis/ *PENICILLIN G, metabolism/ PLACENTA, anatomy & histology/ PLACENTA, physiology/ PREGNANCY/ TIME FACTORS

Kaufman S: Disseminated carcinoma of the breast: principles of treatment. Geriatrics 28:135-8, Oct 73
ADRENALECTOMY/ ADULT/ AGE FACTORS/ AMBULATORY CARE/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, occurrence/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ CASTRATION/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ HYPOPHYSECTOMY/ LIVER NEOPLASMS, etiology/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS, therapy/ OOPHORITIS, surgery/ UNITED STATES

2022. **Kaulhausen H, Oehm W, Breuer H:** Plasma renin activity during the normal menstrual cycle.
Acta Endocrinol [Suppl] (Kbh) 173:160, 1973
ADULT/ AGE FACTORS/ AGED/ ALDOSTERONE, blood/ CLIMACTERIC/ FEMALE/ HUMAN/ MENOPAUSE/ *MENSTRUATION/ OVULATION/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine/ TIME FACTORS

2023. **Kauppila A, Hartikainen AL, Reinilä M:** Adrenal response to synthetic adrenocorticotrophic hormone during pregnancy and after delivery, with special reference to pre-eclamptic and hypertensive pregnancy. Scand J Clin Lab Invest 31:179-85, Mar 73
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADULT/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ *HYPERTENSION, metabolism/ METHODS/ PREGNANCY/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ *PREGNANCY TOXEMIAS, metabolism/ PUERPERIUM

2024. **Kawakami M, Kimura F, Seto K:** Effects of electrical stimulation of the brain on serum and pituitary concentrations of gonadotropin in the estrogenized rat. Endocrinol Jap 20:59-66, Feb 73 (Fre)
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, blood/ FSH, metabolism/ GONADOTROPINS, PITUITARY, blood/ *GONADOTROPINS, PITUITARY, metabolism/ HIPPOCAMPUS, physiology/ LH, blood/ LH, metabolism/ OPTIC LOBE, physiology/ OVARY, physiology/ *PITUITARY GLAND, metabolism/ PROLACTIN, blood/ PROLACTIN, metabolism/ RATS

2025. **Kaye AM, Icekson I, Lamprecht SA, et al:** Stimulation of ornithine decarboxylase activity by luteinizing hormone in immature and adult rat ovaries.
Biochemistry 12:3072-6, 31 Jul 73
AGING/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CARBOXY-LYASES, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ESTRUS/ FEMALE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LH, pharmacodynamics/ METHIONINE, metabolism/ ORNITHINE/ OVARY, drug effects/ *OVARY, enzymology/ OVARY, growth & development/ PUROMYCIN, pharmacodynamics/ RATS/ RNA, biosynthesis/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

2026. **Kazachenok VM:** Transplantatsiia gipofiza.
Probl Endokrinol (Mosk) 19:112-6, May-Jun 73 (119 ref.) (Rus)
ANIMAL EXPERIMENTS/ ENDOCRINE DISEASES, surgery/ HISTOCOMPATIBILITY TESTING/ HUMAN/ MICROSURGERY/ PITUITARY DISEASES, surgery/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, secretion/ *PITUITARY GLAND, transplantation/ PITUITARY HORMONES, secretion/ REGENERATION/ REVIEW/ STRESS, physiopathology/

TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

2027. **Kazzaz BA**: Effect of 5-hydroxytryptophan on the differentiation of argyrophil to argentaffin cells in the intestine of the guinea-pig after pre-treatment with iproniazid and reserpine.
J Pathol 110:75-82, May 73
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ DUODENUM, cytology/ *DUODENUM, drug effects/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HYDROXYTRYPTOPHAN, administration & dosage/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ ILEUM, cytology/ *ILEUM, drug effects/ INJECTIONS, INTRAPERITONEAL/ *IPRONIAZID, pharmacodynamics/ PERFUSION/ *RESERPINE, pharmacodynamics/ SEROTONIN, secretion/ SILVER/ TIME FACTORS

2028. **Ke PJ, Thibert RJ, Walton RJ, et al**: Catalytic determination of iodine in serum at nanogram levels using the As(3)-Ce(IV) reaction.
Mikrochim Acta 4:569-81, 1973
*ARSENIC/ *CATALYSIS/ *CERIUM/ COLORIMETRY/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ *IODINE, blood/ IODINE, standards/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ PROTEIN-BOUND IODINE TEST/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

2029. **Keeley CD**: Bilateral patellar metastases from carcinoma of the male breast.
Can J Surg 16:328-9, Sep 73
ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ AGED/ BONE NEOPLASMS, complications/ BONE NEOPLASMS, pathology/ *BONE NEOPLASMS, surgery/ *BREAST NEOPLASMS, surgery/ *CARCINOMA, DUCTAL, surgery/ HUMAN/ MALE/ NEOPLASM METASTASIS/ OSTEOLYSIS, ESSENTIAL, etiology/ OSTEOPOROSIS, etiology/ *PATELLA/ PATELLA, pathology/ PATELLA, surgery

2030. **Keighley MR, Wilson G, Kelly JP**: Fatal endotoxic shock of biliary tract origin complicating transhepatic cholangiography. Br Med J 3:147-8, 21 Jul 73
AGED/ BICARBONATES, therapeutic use/ *BILIARY TRACT DISEASES, complications/ *CHOLANGIOGRAPHY, adverse effects/ COMMON BILE DUCT CALCULI, surgery/ ESCHERICHIA COLI INFECTIONS/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPOTENSION, etiology/ MALE/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, mortality/ UREA, blood

2031. **Keirse MJ, Turnbull AC**: Gas chromatographic determination of E prostaglandins in human amniotic fluid. Prostaglandins 4:263-7, Aug 73
*AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, GAS/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

2032. **Keith IC, Kidd C, Penna PE**: Modification of sympathetic chronotropic carotid sinus reflex responses by hypothalamic stimulation.
J Physiol (Lond) 232:77P-78P, Jul 73
ANIMAL EXPERIMENTS/ *CAROTID SINUS, innervation/ DIENCEPHALON, physiology/ DOGS/ ELECTRIC STIMULATION/ *HEART RATE/ *HYPOTHALAMUS, physiology/ REFLEX/ *SYMPATHETIC NERVOUS SYSTEM, physiology

2033. **Kelch RP, Connors MH, Kaplan SL, et al**: A calcified aldosterone-producing tumor in a hypertensive, normokalemic, prepubertal girl.
J Pediatr 83:432-7, Sep 73
*ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, surgery/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, surgery/ ALDOSTERONE, urine/ CALCINOSIS, complications/ CHILD/ CHILD BEHAVIOR DISORDERS, etiology/ DESOXYCORTICOSTERONE, therapeutic use/ DEXAMETHASONE, therapeutic use/ ENURESIS, etiology/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, etiology/ *POTASSIUM, blood/ RENIN, blood

2034. **Kelley PM, Neumann PA, Shriefer K, et al**: Amino a sequence of Escherichia coli alkaline phosphata Amino- and carboxyl-terminal sequences and variations between two isozymes.
Biochemistry 12:3499-503, 28 Aug 73
ALANINE, analysis/ *ALKALINE PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, isolation & purification/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ CARBOHYDRATES, analysis/ CARBOXYPEPTIDASES/ CYANATES/ CYANOGEN BROMIDE/ *ESCHERICHIA COI enzymology/ GLUCOSAMINE, analysis/ GLYCINE, analysis/ HEXOSES, analysis/ HOMOSERINE, analysis/ ISOENZYMES, analysis/ ISOENZYMES, isolation & purification/ LEUCINE, analysis/ LYSINE, analysis/ NEURAMINIC ACIDS, analysis/ PEPTIDES, analysis/ THIOCYANATES

2035. **Kelly DF, Grunsell CS, Kenyon CJ**: Polyarteritis in t dog: a case report. Vet Rec 92:363-6, 7 Apr
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ AUTOPSY, veterinary/ BLINDNESS, veterinary/ *DOG DISEASES/ DOGS/ FEMALE/ FEVER, veterinary/ HEMORRHAGE, veterinary/ KIDNEY, pathology/ MYOCARDIUM, pathology/ PERIARTERITIS NODOSA, pathology/ *PERIARTERITIS NODOSA, veterinary/ PERICARDIUM, pathology/ SKIN ULCER, veterinary/ SPLEEN, pathology/ THYROID GLAND, pathology

2036. **Kelly MT, White A**: Histamine release induced human leukocyte lysates. Reabsorption of previou released histamine after exposure to cyclic amp-active agents. J Clin Invest 52:1834-40, Aug
ABSORPTION/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *HISTAMINE, metabolism/ HISTAMINE, pharmacodynamics/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LEUKOCYTES/ *LEUKOCYTES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics/ ULTRASONICS

2037. **Kem DC, Weinberger MH, Gomez-Sanchez C, et** Circadian rhythm of plasma aldosterone concentration in patients with primary aldosteronis
J Clin Invest 52:2272-7, Sep 73
ADENOMA, complications/ ADRENAL GLAN HYPERFUNCTION, complications/ ADRENAL GLAND NEOPLASMS, complications/ *ALDOSTERONE, blood/ *CIRCADIAN RHYTHM/ CORTICOTROPIN, antagonists & inhibitors/ DEXAMETHASONE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYPERALDOSTERONISM, etiology/ *HYPERALDOSTERONISM, physiopathology/ POTASSIUM, blood/ RENIN, blood

2038. **Kemp BE, Froscio M, Murray AW**: Protein kina activity in commercially available crystalline yea alcohol dehydrogenase. Biochem J 131:271-4, Feb
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT *ALCOHOL OXIDOREDUCTASES, analysis/ CASEIN/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ EGG PROTEINS/ EVALUATION STUDIES/ GEL FILTRATION HISTONES/ PHOSPHOPROTEINS/

PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, analysis/ POTASSIUM CHLORIDE/ PROTEIN KINASE, analysis/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ *SACCHAROMYCES CEREVISIAE, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYMUS GLAND

39. **Kemperdick H, Lemburg P:** Der thanatophore Zwergwuchs.
Fortschr Geb Roentgenstr Nuklearmed 118:553-8, May 73 (Ger)
*ABNORMALITIES, MULTIPLE, radiography/ *DWARFISM, congenital/ ENGLISH ABSTRACT/ EXTREMITIES, abnormalities/ EXTREMITIES, radiography/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ RIBS, abnormalities/ SKULL, abnormalities/ SKULL, radiography/ THORAX, abnormalities/ THORAX, radiography

0. **Kendall-Taylor P, Munro DS:** Does LATS protector stimulate the human thyroid? Clin Sci 45:2P, Jul 73
*ADENYL CYCLASE, metabolism/ GOITER, enzymology/ GOITER, EXOPHTHALMIC, enzymology/ HUMAN/ HYPERTHYROIDISM, blood/ *IMMUNOGLOBULINS, pharmacodynamics/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND, enzymology

1. **Kennedy JF, Chaplin MF:** Structural investigation of the carbohydrate element of human pituitary follicle-stimulating hormone by methylation analysis.
Biochem J 130:417-23, Nov 72
ACETYLATION/ AMINO SUGARS, analysis/ *CARBOHYDRATES, analysis/ CHROMATOGRAPHY, GAS/ DIMETHYL SULFOXIDE/ *FSH, analysis/ FUCOSE, analysis/ GALACTOSE, analysis/ GLUCOSE, analysis/ HUMAN/ IODIDES/ MANNOSE, analysis/ MASS SPECTRUM ANALYSIS/ METHYLATION/ PITUITARY GLAND, analysis

. **Kenney RM:** Histoenzymologic evaluation of metabolic patterns in bovine follicular oocytes.
Am J Vet Res 34:893-6, Jul 73
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ ESTRUS/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCOGEN PHOSPHORYLASE, analysis/ GRAAFIAN FOLLICLE, enzymology/ HISTOCYTOCHEMISTRY/ ISOCITRATE DEHYDROGENASE, analysis/ *OVUM, enzymology/ SUCCINATE DEHYDROGENASE, analysis

Keramidas GD, Symeonidis A: Characteristic microscopic differences in the adenohypophysis of high and low mammary tumor strains of mice.
Pathol Eur 8:35-6, 1973
ANIMAL EXPERIMENTS/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, familial & genetic/ *MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ *PITUITARY GLAND, pathology

Kerckhaert JA, Benner R, Willers JM: Cells involved in the graft-versus-host reaction in vitro.
Immunology 25:103-10, Jul 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, immunology/ CELL FRACTIONATION/ CELL SEPARATION/ CORTISONE, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ *GRAFT VS HOST REACTION/ IMMUNE SERUMS, pharmacodynamics/ *IMMUNITY, CELLULAR/ IMMUNOSUPPRESSION/ IN VITRO/ LYMPH NODES, immunology/ MALE/ MICE/ PEYER'S PATCHES, immunology/ RABBITS, immunology/ SPLEEN, immunology/ THORACIC DUCT, immunology/ THYMUS GLAND, immunology

2045. **Kerova AN, Muzykant LI:** Morfologicheskie izmeneniia nadpochechnikov pri sochetannom vozdeĭstvii termicheskogo ozhoga i rentgenovskogo obluchenila.
Radiobiologiia 13:56-60, Jan-Feb 73 (Rus)
*ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *BURNS, complications/ BURNS, pathology/ ENGLISH ABSTRACT/ RABBITS/ *RADIATION INJURIES, EXPERIMENTAL, complications/ RADIATION INJURIES, EXPERIMENTAL, pathology

2046. **Kertsman VI, Starostin LN, Kazeev KN:** Osobennosti klinicheskogo techeniia raka okoloshchitovidnykh zhelez.
Klin Med (Mosk) 50:81-4, Nov 72 (Rus)
ADENOMA, diagnosis/ ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ MALE/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery

2047. **Kessler E, Schäfer A, Wernitsch W:** Das Thymolipom.
Thoraxchirurgie 21:118-22, Apr 73 (Ger)
ADULT/ ANGIOGRAPHY/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ KYMOGRAPHY/ LIPOMA, radiography/ *LIPOMA, surgery/ MALE/ *THYMOMA, surgery/ THYMUS NEOPLASMS, radiography/ *THYMUS NEOPLASMS, radiography

2048. **Kesztele V:** Pneumonie bie Verbrennung.
Wien Med Wochenschr 123:449-51, 30 Jun 73 (Ger)
*BURNS, complications/ BURNS, physiopathology/ BURNS, CHEMICAL, drug therapy/ FEMALE/ HEMODYNAMICS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MANNITOL, therapeutic use/ MIDDLE AGE/ PENICILLIN, therapeutic use/ PNEUMONIA, drug therapy/ *PNEUMONIA, etiology/ PNEUMONIA, physiology/ SERUM ALBUMIN, therapeutic use/ VENTILATION-PERFUSION RATIO/ WATER-ELECTROLYTE BALANCE

2049. **Ketelbant-Balasse P, Rodesch F, Nève P, et al:** Aspect du premier stade de sécrétion thyroïdienne en microscopie électronique á balayage.
Ann Endocrinol (Paris) 33:629-31, Nov-Dec 72 (Fre)
ANIMAL EXPERIMENTS/ CYTOCHALASINS, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ MICROSCOPY, ELECTRON, SCANNING/ THYROID GLAND, cytology/ *THYROID GLAND, secretion/ THYROTROPIN, antagonists & inhibitors

2050. **Keulen CJ van, Rooij DG de:** Spermatogonial stem cell renewal in the mouse. II. After cell loss.
Cell Tissue Kinet 6:337-45, Jul 73
ANIMAL EXPERIMENTS/ BUSULFAN, pharmacodynamics/ CELL DIFFERENTIATION/ CELL DIVISION/ EPITHELIUM/ MALE/ MICE/ REGENERATION/ *SPERMATOGENESIS, drug effects/ *TESTIS, physiology/ TIME FACTORS

2051. **Kezdi M, Mantsch H, Mureşan L, et al:** Involvement of N1-oxide derivatives of adenine nucleotides in the reactions of the oxidative phosphorylation.
FEBS Lett 33:33-6, 15 Jun 73
*ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CALCIUM, metabolism/ *CYCLIC N-OXIDES, pharmacodynamics/ HUMAN/ IN VITRO/ KINETICS/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL CONTRACTION, drug effects/ MITOCHONDRIAL SWELLING, drug effects/ *OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ RATS/ SPECTROPHOTOMETRY/ TIME FACTORS

2052. **Kezuka M, Kojima K, Kita K, et al:** [Re-evaluation of the weight of the thyroid gland determined by thyroid scanning]

Jap J Nucl Med 10:75-7, Apr 73 (Jap)
ENGLISH ABSTRACT/ HUMAN/ ORGAN WEIGHT/ *RADIOISOTOPE SCANNING/ *THYROID GLAND, anatomy & histology/ THYROIDECTOMY

2053. **Khakimova FM:** Patomorfologicheskaia otsenka metodov chastichnoi kastratsii.
Veterinariia 49:102-4, May 73 (Rus)
ANIMAL EXPERIMENTS/ *CASTRATION, veterinary/ CATTLE/ COMPARATIVE STUDY/ MALE/ SHEEP/ SWINE/ *TESTIS, pathology

2054. **Khaletskiĭ ME, Kolerko FM:** Beta-lipoproteidy krosi i regulataty prednizolon-gliukozotolerantnogo testau bol'nykh ateroskleroz om.
Vrach Delo 3:43-6, Mar 73 (Rus)
ADOLESCENCE/ ADULT/ *ARTERIOSCLEROSIS, blood/ CORONARY DISEASE, blood/ CORONARY DISEASE, diagnosis/ DIABETES MELLITUS, diagnosis/ GLUCOSE TOLERANCE TEST/ HUMAN/ *LIPOPROTEINS, blood/ MIDDLE AGE/ *PREDNISOLONE, diagnostic use

2055. **Khan MH:** Acute myeloid leukemia with two Philadelphia chromosomes in forty-six stemline. Remarks on the karyotypic analysis and chemotherapy. Humangenetik 18:55-62, 23 Mar 73
*CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 21-22/ CLONE CELLS/ CYTOGENETICS/ DAUNOMYCIN, therapeutic use/ DIPLOIDY/ HUMAN/ KARYOTYPING/ LEUKEMIA, MYELOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, familial & genetic/ LEUKEMIA, MYELOCYTIC, familial & genetic/ MALE/ MIDDLE AGE/ MITOSIS/ PREDNISONE, therapeutic use/ TIME FACTORS/ VINCRISTINE, therapeutic use

2056. **Kharkevich NG:** O reaktsii organizma na sotriasenie golovnogo mozga. Klin Khir 2:29-31, Feb 73 (Rus)
ADRENAL GLANDS, physiopathology/ ADULT/ *BRAIN CONCUSSION, physiopathology/ GASTRIC JUICE, analysis/ GASTRIC JUICE, secretion/ HUMAN/ MIDDLE AGE/ SALIVARY GLANDS, physiopathology/ SALIVATION/ STOMACH, physiopathology

2057. **el-Khatib SM, Haldar J, Starr JL:** The effect of LATS and TSH on protein and RNA synthesis in isolated thyroid cells. Proc Soc Exp Biol Med 143:869-78, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ DACTINOMYCIN, pharmacodynamics/ IGG, pharmacodynamics/ IN VITRO/ IODINE ISOTOPES/ LEUCINE, metabolism/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ METHODS/ *PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ STIMULATION, CHEMICAL/ SWINE/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

2058. **Khokhar SA, Pike RL:** Aldosterone producing capacity of adrenal glands of sodium-restricted pregnant rats.
J Nutr 103:1126-30, Aug 73
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ DEFICIENCY DISEASES, metabolism/ FEMALE/ HEMATOCRIT/ ORGAN WEIGHT/ POTASSIUM, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS/ *SODIUM/ SODIUM, administration & dosage/ SODIUM, blood/ TIME FACTORS

2059. **Khoo SK, Mackay EV:** Primary amenorrhoea. A study based on clinical examination, chromosomal analysis, endocrine assay and laparoscopy.
Med J Aust 2:991-6, 28 Oct 72
ADOLESCENCE/ ADULT/ *AMENORRHEA, diagnosis/ BODY HEIGHT/ BREAST, growth & development/ DIAGNOSIS, DIFFERENTIAL ESTROGENS, urine/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HAIR HUMAN/ HYPOGONADISM, urine/ KARYOTYPING/ LAPAROSCOPY/ MENARCHE/ OVARY, abnormalities/ STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, urine/ TESTICULAR FEMINIZATION, diagnosis/ TESTICULAR FEMINIZATION, urine/ TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, urine/ VAGINA, abnormalities/ VULVA, growth & development

2060. **Khudr G, Benirschke K, Brooks D, et al:** XO-X mosaicism and nonfluorescent Y chromosome.
Obstet Gynecol 42:421-8, Sep 73
ADOLESCENCE/ ADULT/ AMENORRHEA/ CHROMOSOME ABERRATIONS/ *CHROMOSOME MAPPING/ FEMALE/ FSH, blood/ GROWTH DISORDERS/ *HERMAPHRODITISM/ HUMAN/ KARYOTYPING/ LH, blood/ MALE/ *MOSAICISM/ PROLACTIN, blood/ *SEX CHROMOSOME ABNORMALITIES/ SEX DETERMINATION/ SOMATOTROPIN, blood/ THYROTROPIN, blood

2061. **Khudr G, Benirschke K:** Quinacrine fluorescen microscopy of formalin-fixed tissues.
Stain Technol 48:193-5, Jul 73
CHROMATIN/ FLUORESCENCE/ FORMALDEHYDE/ METHODS/ *MICROSCOP FLUORESCENCE/ PARAFFIN/ PROSTATE, cytology/ *QUINACRINE/ TESTIS, cytology

2062. **Kiely ML, Domm LV:** Circadian uptake of H-thymidi in the rat incisor under the influence of cortiso
Proc Soc Exp Biol Med 143:844-9, Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMELOBLASTS, analysis ANALYSIS OF VARIANCE/ *CIRCADIAN RHYTHM, drug effects/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ DNA, biosynthesis/ *INCISOR, metabolism/ ODONTOBLASTS, analysis/ STIMULATION, CHEMICAL/ THYMIDINE, analysis/ *THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

2063. **Kijima K, Kawamura J:** [On the National Institute Hygienic Sciences standards (the Japanese pharmacopoeia standards), "hydrocortisone aceta reference standard" and "prednisolone acetat reference standard"]
Bull Natl Inst Hyg Sci (Tokyo) 90:92-3, 1972 (Ja
ACETATES, standards/ CHROMATOGRAPHY, THIN LAYER/ HYDROCORTISONE, analysis/ *HYDROCORTISONE, standards/ JAPAN/ *PHARMACOPOEIAS/ PREDNISOLONE, analysis/ *PREDNISOLONE, standards

2064. **Kikawa M:** [Tissue culture of the anterior lobe of t pituitary gland]
Clin Endocrinol (Tokyo) 21:469-74, May 73 (Ja
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CULTURE MEDIA/ FEMALE/ METHODS/ ORGAN CULTURE/ *PITUITARY GLAND, cytology/ RATS/ TISSUE CULTURE

2065. **Kikuyama S, Yasumasu I:** Separation of granul containing melanophore stimulating hormone fr frog (Rana catesbeiana) pars intermedia.
Endocrinol Jap 19:549-55, Dec 72
ANIMAL EXPERIMENTS/ CENTRIFUGATION DENSITY GRADIENT/ *CYTOPLASMIC GRANULES, analysis/ FROGS/ MICROSCOPY ELECTRON/ *MSH, analysis/ *PITUITARY GLAND, POSTERIOR, analysis/ RANA CATESBEIANA

2066. **Kilbey MM, Moore JW Jr:** Delta9-tetrahydrocannabi induced inhibition of predatory aggression in the r
Psychopharmacologia 31:157-66, 17 Jul 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ *CANNABIS, pharmacodynamics/ DEPRESSIO CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/

MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, analysis/ RATS/ REACTION TIME, drug effects/ SEROTONIN, analysis/ TETRAHYDROCANNABINOL, pharmacodynamics

7. **Kilcoyne AG:** Gentamicin-hydrocortisone ear-drops in chronic infections. Practitioner 211:91-2, Jul 73
BACTERIAL INFECTIONS, drug therapy/ CLINICAL RESEARCH/ *EAR DISEASES, drug therapy/ GENTAMICIN, administration & dosage/ *GENTAMICIN, therapeutic use/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use

Kilian M, Frey HH: Central monoamines and convulsine thresholds in mice and rats.
Neuropharmacology 12:681-92, Jul 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ BRAIN, metabolism/ *CONVULSIONS/ CONVULSIONS, chemically induced/ DOPAMINE, metabolism/ *DOPAMINE, pharmacodynamics/ ELECTROSHOCK/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ MICE, INBRED STRAINS/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ PENTYLENETETRAZOLE/ RATS/ RECEPTORS, DRUG, drug effects/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ STATISTICS/ TRYPTAMINES, metabolism

Kim S: Purification and properties of protein methylase II.
Arch Biochem Biophys 152:476-84, Aug 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXYLIC ACIDS/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ GEL FILTRATION/ GUANIDINES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ KINETICS/ LIVER, enzymology/ MALE/ *METHYLTRANSFERASES, isolation & purification/ ORGAN SPECIFICITY/ PITUITARY GLAND, POSTERIOR, enzymology/ PROTEINS/ RATS/ SPECIES SPECIFICITY/ SPLEEN, enzymology/ TESTIS, enzymology/ THYMUS GLAND, enzymology/ TIME FACTORS/ UREA

Kimbarovskaia EM, Tsareva ES, El'bert ME, et al: Reaktivnye izmeneniia nadpochechnikov krys posle rentgenovskogo obluchenila.
Radiobiologiia 12:916-9, Nov-Dec 72 (Rus)
ADRENAL GLANDS, innervation/ *ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GANGLIONIC BLOCKADERS, therapeutic use/ *HEXAMETHONIUM COMPOUNDS, therapeutic use/ MALE/ *RADIATION EFFECTS/ *RADIATION INJURIES, EXPERIMENTAL, drug therapy/ RATS/ STRESS, physiopathology

Kimura G, Ieiri Y, Ichiyasu K, et al: [Autopsy case of myasthenia gravis with interesting chest x-ray findings] Jap J Clin Med 31:383-7, Feb 73 (Jap)
ADULT/ AUTOPSY/ HUMAN/ MALE/ MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, pathology/ *MYASTHENIA GRAVIS, radiography/ NEOPLASM METASTASIS/ THYMOMA, complications/ *THYMOMA, radiography/ THYMUS NEOPLASMS, complications/ *THYMUS NEOPLASMS, radiography

Kimura S, Hashimoto Y, Yamazato K: Toxicity of the zoanthid Palythoa tuberculosa.
Toxicon 10:611-7, Oct 72
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ *COELENTERATA/ COELENTERATA, analysis/ COELENTERATA, anatomy & histology/ FEMALE/ GONADS, anatomy & histology/ GONADS, cytology/ MALE/ MICE/ OVUM, anatomy & histology/ SEASONS/ TESTIS, anatomy & histology/ TOXINS, analysis/ TOXINS, toxicity

2073. **Kincaid-Smith P:** Management of severe hypertension.
Am J Cardiol 32:575-81, 20 Sep 73
BENZOTHIADIAZINES, therapeutic use/ BLOOD PRESSURE, drug effects/ CLONIDINE, therapeutic use/ DIAZOXIDE, therapeutic use/ DIET, SALT-FREE/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYDRALAZINE, therapeutic use/ *HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ METHYLDOPA, therapeutic use/ MINOXIDIL, therapeutic use/ PREGNANCY TOXEMIAS, complications/ PRONETHALOL, therapeutic use/ PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ RENIN, blood/ SODIUM, adverse effects/ SODIUM, urine/ SPIRONOLACTONE, therapeutic use

2074. **Kind R, Goslar HG, Kinsky I:** Enzymhistochemische Untersuchunger über den Stoffwechsel von Steroiden und Steroidkonjugaten in der juxtamedullären X-zone der Maus.
Acta Histochem (Jena) 45:331-56, 1973 (Ger)
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CASTRATION/ CYTOCHROME OXIDASE, analysis/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSAMINIDASE, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUCURONIDASE, analysis/ HISTOCYTOCHEMISTRY/ LACTATE DEHYDROGENASE, analysis/ MALE/ MICE/ MICE, INBRED STRAINS/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ SUCCINATE DEHYDROGENASE, analysis/ SULFATASES, analysis/ TESTOSTERONE

2075. **King AG, Christy B, Hupf HB, et al:** Polyphosphates: a chemical analysis of average chain length and the relationship to bone deposition in rats.
J Nucl Med 14:695-8, Sep 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MUSCLES, metabolism/ NUCLEAR MAGNETIC RESONANCE/ PHOSPHATES, analysis/ PHOSPHATES, blood/ PHOSPHATES, metabolism/ RADIOISOTOPE SCANNING/ RATS/ SPLEEN, metabolism/ TECHNETIUM

2076. **King BM, Gaston MG:** The effects of pretraining on the bar-pressing performance of VMH-lesioned rats.
Physiol Behav 11:161-6, Aug 73
AFFECT/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *CONDITIONING, OPERANT/ DIET/ *EATING/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ PRACTICE (PSYCHOLOGY)/ RATS/ *REINFORCEMENT SCHEDULE

2077. **King M:** Chromosomes of two Australian lizards of the families Scincidae and Gekkonidae.
Cytologia (Tokyo) 38:205-10, Jun 73
ANIMAL EXPERIMENTS/ AUSTRALIA/ *CHROMOSOMES/ FEMALE/ KARYOTYPING/ LEUKOCYTES, cytology/ *LIZARDS/ MALE/ MEIOSIS/ MITOSIS/ TESTIS, cytology

2078. **Kinoshita F:** [Thyroid scintigram. 1]
Jap J Clin Radiol 18:375-6, May 73 (Jap)
HUMAN/ *RADIOISOTOPE SCANNING/ *THYROID GLAND/ THYROID NEOPLASMS, diagnosis

2079. **Kinoshita F:** [Thyroid scintigram. 3. Malignant goiter]
Jap J Clin Radiol 18:523-4, Jul 73 (Jap)
*ADENOCARCINOMA, diagnosis/ CESIUM/ CITRATES/ GALLIUM/ *GOITER, diagnosis/ HUMAN/ IODINE ISOTOPES/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ *THYROID NEOPLASMS, diagnosis

2080. **Kinoshita F:** [Thyroid scintigram. 2. Nodular goiter]
Jap J Clin Radiol 18:449-50, Jun 73 (Jap)

*GOITER, NODULAR, diagnosis/ HUMAN/ IODINE ISOTOPES/ *RADIOISOTOPE SCANNING/ *THYROID GLAND

2081. **Kinoshita F, Maekawa A, Nakashikiryo K, et al:** [Experimental and clinical observation on Thyopac-3 and -4, particularly on Thyopac-4]
Nippon Acta Radiol 33:247-55, Mar 73 (Jap)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ THYROID DISEASES, diagnosis

2082. **Kinoshita F, Nakashikiryo K, Maekawa A, et al:** [Determination of serum thyroxine]
Jap J Clin Radiol 18:305-14, May 73 (19 ref.) (Jap)
HUMAN/ METHODS/ PROTEIN-BOUND IODINE TEST/ REVIEW/ THYROID DISEASES, blood/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

2083. **Kinoshita K, Fujita T:** Metabolic fate of 57Co-labeled hydroxocobalamin and 57Co-labeled 5,6-dimethylbenzimidazolylcobamide coenzyme in rats. Chem Pharm Bull (Tokyo) 21:1291-4, Jun 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BENZIMIDAZOLES, metabolism/ COBALT ISOTOPES/ COBAMIDES, metabolism/ COBAMIDES, urine/ *COENZYMES, metabolism/ *HYDROXOCOBALAMIN, metabolism/ HYDROXOCOBALAMIN, urine/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PANCREAS, metabolism/ RATS/ SPLEEN, metabolism/ STOMACH, metabolism/ TESTIS, metabolism/ *VITAMIN B 12, metabolism

2084. **Kinouchi T, Pages L, Horton R:** A specific radioimmunossay for testosterone in peripheral plasma. J Lab Clin Med 82:309-16, Aug 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CATTLE/ CROSS REACTIONS/ FEMALE/ MALE/ MATHEMATICS/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ STEROIDS, blood/ *TESTOSTERONE, blood/ THYROGLOBULIN/ TRITIUM

2085. **Kinsella JE, Gross M:** Palmitic acid and initiation of mammary glyceride synthesis via phosphatidic acid.
Biochim Biophys Acta 316:109-13, 19 Jul 73
ACYLATION/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ COENZYME A, metabolism/ FATTY ACIDS, metabolism/ FEMALE/ *GLYCERIDES, biosynthesis/ GLYCEROPHOSPHATES, metabolism/ KINETICS/ LACTATION/ MAMMAE, cytology/ *MAMMAE, metabolism/ MILK, metabolism/ OLEIC ACID, metabolism/ *PALMITIC ACID, metabolism/ *PHOSPHOLIPIDS, metabolism/ PREGNANCY/ STEARIC ACID, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRIGLYCERIDES, biosynthesis

2086. **Kirdani RY, Musey P, Varkarakis MJ, et al:** The metabolism of estriol in rabbits.
Steroids 22:1-18, Jul 73
ANIMAL EXPERIMENTS/ *BILE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ COUNTERCURRENT DISTRIBUTION/ *ESTRIOL, metabolism/ ESTRIOL, urine/ ESTROGENIC SUBSTANCES, CONJUGATED, metabolism/ FEMALE/ GEL FILTRATION/ GLUCURONATES, biosynthesis/ GLUCURONATES, isolation & purification/ HYDROLASES/ LIVER, metabolism/ MALE/ RABBITS/ TIME FACTORS/ TRITIUM

2087. **Kirkland JL, Kirkland RT, Librik L, et al:** Iatrogenic hypertension in children with congenital adrenal hyperplasia. J Pediatr 83:687-9, Oct 73
ADOLESCENCE/ *ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, congenital/ ADRENAL GLAND DISEASES, drug therapy/ ADULT/ CHILD/ CHILD, PRESCHOOL/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ HYDROXYLASES/ HYPERPLASI complications/ HYPERPLASIA, congenital/ HYPERPLASIA, drug therapy/ *HYPERTENSION, chemically induced/ INFANT/ INFANT, NEWBORN/ METABOLISM, INBORN ERRORS, complications/ *MINERALOCORTICOIDS, adverse effects/ OXIDOREDUCTASES/ WATER-ELECTROLYTE BALANCE

2088. **Kirkland RT, Kirkland JL, Librik L, et al:** Resul intermittent human growth hormone (HGH) the in hypopituitary dwarfism.
J Clin Endocrinol Metab 37:204-11, Aug 73
ADOLESCENCE/ ANTIBODIES, analysis/ ARGININE, diagnostic use/ BLOOD SUGAI metabolism/ BODY SURFACE AREA/ CHI CHILD, PRESCHOOL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DWARFISM, PITUITARY, drug therapy/ FEMALE/ GROWTH, drug effects/ HUMAN/ INSULI diagnostic use/ MALE/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, blood/ SOMATOTROPIN, therapeutic use/ THYROID GLAND FUNCTION TESTS/ TIB FACTORS

2089. **Kirkpatrick FH, Sandberg HE:** Effects of prepara method on reversible conformational chang induced by neutral salts in spin-labeled erythro membranes. Arch Biochem Biophys 156:653-7, Ju
BLOOD PROTEINS, physiology/ CALCIUM CHLORIDE, pharmacodynamics/ CATTLE/ CELL MEMBRANE, drug effects/ ELECTR SPIN RESONANCE/ *ERYTHROCYTES, cytology/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, physiology/ HUMAN/ MALEIMIDES/ NITRATES, pharmacodynam OSMOLAR CONCENTRATION/ POTASSIUM pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ THIOCYANATES, pharmacodynamics

2090. **Kirkpatrick FH, Sandberg HE:** Effect of ani surfactants, nonionic surfactants and neutral salt the conformation of spin-labeled erythrocyt membrane proteins.
Biochim Biophys Acta 298:209-18, 16 Mar 7
*BILE ACIDS AND SALTS/ BINDING SITI *BLOOD PROTEINS, analysis/ *CELL MEMBRANE, analysis/ CYCLIC N-OXIDES/ DEOXYCHOLIC ACID/ ELECTRON SPIN RESONANCE/ *ERYTHROCYTES, cytology/ GUANIDINES/ HEMOGLOBIN, analysis/ HUMAN/ MALEIMIDES/ PIPERIDINES/ PROTEIN BINDING/ PROTEIN CONFORMATION/ SODIUM DODECYL SULFATE/ SOLUBILITY/ SPECTROPHOTOMETRY/ *SURFACE-ACTIV AGENTS/ THIOCYANATES

2091. **Kirmse L, Schemmel K, Lahrtz H, et al:** Treatmen progressive malignant exophthalmos by tota thyroidectomy.
Acta Endocrinol [Suppl] (Kbh) 173:24, 1973
*EXOPHTHALMOS, therapy/ HUMAN/ LONG-ACTING THYROID STIMULATOR, metabolism/ THYROID HORMONES, therapeutic use/ *THYROIDECTOMY

2092. **Kirschner AS, Ice RD, Beierwaltes WH:** Radia dosimetry of 131I-19-iodocholesterol.
J Nucl Med 14:713-7, Sep 73
*ADRENAL GLANDS/ ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, diagnostic use/ DOGS/ FEMALE/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ LIVER, radiation effects/ MALE/ OVARY, radiation effects/ *RADIATION DOSAGE/ RADIATION EFFECTS/ RADIOISOTOPE SCANNING/ TESTIS, radiation effects

2093. **Kirschner MA, Sinhamahapatra S, Zucker IR, et al:** production, origin and role of dehydroepiandrosterone and delta 5-androstene as androgen prehormones in hirsute women
J Clin Endocrinol Metab 37:183-9, Aug 73
ADRENAL GLANDS, blood supply/ ADREN GLANDS, metabolism/ ANDROSTENEDIONE

metabolism/ *ANDROSTENES, blood/ ANDROSTENES, metabolism/ CARBON ISOTOPES/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, metabolism/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *HIRSUTISM, blood/ HUMAN/ HYDROCORTISONE, metabolism/ METABOLIC CLEARANCE RATE/ OVARY, blood supply/ OVARY, metabolism/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ TRITIUM/ VEINS

Kirstaedter HJ, Gehrmann C, Schulzke R: Die percutane Feinnadelaspirationsbiopsie und Cytologie tastbarer Tumoren.
Verh Dtsch Ges Inn Med 78:282-5, 1972 (Ger)
BIOPSY, NEEDLE/ BREAST NEOPLASMS, diagnosis/ CYTODIAGNOSIS/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ METHODS/ *NEOPLASMS, diagnosis/ PALPATION/ PROSTATIC NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, diagnosis/ THYROID NEOPLASMS, diagnosis

Kischer CW: In vitro contraction of embryonic skin produced by prostaglandins.
Experientia 29:30-1, 1 May 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ MICROSCOPY, ELECTRON/ MORPHOGENESIS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ SKIN, cytology/ *SKIN, drug effects/ SKIN, embryology/ SKIN, metabolism/ THYMIDINE, metabolism/ TISSUE CULTURE/ TRITIUM/ WOUND HEALING, drug effects

Kitamura S: [Vasoactive substance and the lung]
Respir Circ (Tokyo) 21:688-700, Aug 73 (125 ref.) (Jap)
ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, physiology/ ANGIOTENSIN, metabolism/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ BRADYKININ, metabolism/ BRADYKININ, physiology/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, physiology/ CHICKENS/ DOGS/ GUINEA PIGS/ HUMAN/ *LUNG, metabolism/ PEPTIDES, metabolism/ PEPTIDES, physiology/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ RABBITS/ RATS/ REVIEW/ SEROTONIN, metabolism/ SEROTONIN, physiology/ *VASOCONSTRICTOR AGENTS, metabolism/ *VASODILATOR AGENTS, metabolism

Kitao T, Takiguchi T, Kawamura H, et al: [Basedow's disease complicated by idiopathic thrombocytopenic purpura. A case report]
J Jap Soc Intern Med 62:380-3, Apr 73 (Jap)
ADULT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HUMAN/ *PURPURA, THROMBOPENIC, complications

Kitsikis A, Roberge AG: Behavioral and biochemical effects of alpha-methyltyrosine in cats.
Psychopharmacologia 31:143-55, 17 Jul 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ CATS/ DISCRIMINATION, drug effects/ DOPA, pharmacodynamics/ DOPAMINE, analysis/ FEMALE/ MALE/ METHYLTYROSINES, antagonists & inhibitors/ *METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, analysis/ REACTION TIME, drug effects/ SEROTONIN, analysis/ TASK PERFORMANCE AND ANALYSIS/ TIME FACTORS/ VISUAL PERCEPTION, drug effects

Kiyono Y, Miyamoto Y, Sakai Y, et al: [Clinical evaluation of a new thyroid function test, Res-o-Mat ETR] Clin Endocrinol (Tokyo) 21:419-25, Apr 73 (Jap)
EVALUATION STUDIES/ FEMALE/ HUMAN/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ THYROXINE, blood

Klasen H, Pontzen W, Umbach W: Plasma renin activity (PRA) in Parkinson's disease before and after stereotaxic operation. Confin Neurol 34:281-4, 1972
BLOOD PRESSURE/ BLOOD PROTEINS, analysis/ *DIENCEPHALON, surgery/ HEMATOCRIT/ HUMAN/ *PARKINSONISM, blood/ PARKINSONISM, surgery/ POTASSIUM, blood/ POTASSIUM, urine/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine/ STEREOTAXIC TECHNICS

2101. **Klausmeier KG:** Pubertät und Beatmusik.
Psyche (Stuttg) 27:643-57, Jul 73 (Ger)
ADOLESCENCE/ DEPERSONALIZATION/ ENGLISH ABSTRACT/ HUMAN/ IDENTITY CRISIS/ MALE/ *MUSIC/ NARCISSISM/ OBJECT ATTACHMENT/ PSYCHOANALYTIC THEORY/ *PUBERTY

2102. **Klawans HL, Ringel SP:** A clinical study of methysergide in Parkinsonism: evidence against a serotonergic mechanism.
J Neurol Sci 19:399-405, Aug 73
ADULT/ AGED/ CORPUS STRIATUM, metabolism/ DOPA, therapeutic use/ EVALUATION STUDIES/ FEMALE/ *GANGLIA, BASAL, metabolism/ HUMAN/ HYPOTHALAMUS, metabolism/ MALE/ METHYSERGIDE, administration & dosage/ *METHYSERGIDE, therapeutic use/ MIDDLE AGE/ *PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ TREMOR, drug therapy

2103. **Klawans HL Jr, Goetz CH, Weiner WJ:** Dopamine receptor site sensitivity in hyperthyroid guinea pigs: a possible model of hyperthyroid chorea.
J Neural Transm 34:187-93, 1973
ANIMAL EXPERIMENTS/ APOMORPHINE, administration & dosage/ APOMORPHINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ CHOREA, etiology/ *CHOREA, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DISEASE MODELS, ANIMAL/ *DOPAMINE, metabolism/ GUINEA PIGS/ HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, metabolism/ MALE/ *RECEPTORS, DRUG/ STEREOTYPED BEHAVIOR, drug effects/ THYROXINE

2104. **Klein D, Weller JL:** Adrenergic-adenosine 3',5'-monophosphate regulation of serotonin N-acetyltransferase activity and the temporal relationship of serotonin N-acetyltransferase activity synthesis of 3H-N-acetylserotonin and 3H-melatonin in the cultured rat pineal gland.
J Pharmacol Exp Ther 186:516-27, Sep 73
ACETYLATION/ *ACETYLTRANSFERASES, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ MALE/ *MELATONIN, biosynthesis/ METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ *PINEAL BODY, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN/ *SEROTONIN, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, biosynthesis

2105. **Klein SM, García CR:** Asherman's syndrome: a critique and current review. Fertil Steril 24:722-35, Sep 73
ADULT/ ANTIBIOTICS, therapeutic use/ CATHETERIZATION/ CURETTAGE/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ DILATATION/ ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MEDROXYPROGESTERONE, therapeutic use/ *MENSTRUATION DISORDERS, therapy/ PROMETHAZINE, administration & dosage/ PROMETHAZINE, therapeutic use/ STERILITY, FEMALE, therapy/ *UTERINE DISEASES, therapy/ UTERUS, injuries

2106. **Kleinsmith LJ:** Specific binding of phosphorylated non-histone chromatin proteins to deoxyribonucleic acid. J Biol Chem 248:5648-53, 25 Aug 73

AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CELLULOSE/ *CHROMATIN/ CHROMATOGRAPHY/ CLOSTRIDIUM PERFRINGENS/ *DNA/ DNA, BACTERIAL/ ESCHERICHIA COLI/ HISTONES, analysis/ LIVER/ *LIVER/ MALE/ MICE/ *NUCLEOPROTEINS/ NUCLEOPROTEINS, analysis/ ORGAN SPECIFICITY/ *PHOSPHOPROTEINS/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ RATS/ SALMON/ SPECIES SPECIFICITY/ SPERMATOZOA/ TESTIS

2107. **Klemm N, Axelsson S:** Detection of dopamine, noradrenaline and 5-hydroxy-tryptamine in the cerebral ganglion of the desert locust, Schistocerca gregaria Forsk (Insecta: Orthoptera).
Brain Res 57:289-98, 27 Jul 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ *DOPAMINE, metabolism/ GRASSHOPPERS, metabolism/ HISTOCYTOCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NIALAMIDE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ *SEROTONIN, metabolism

2108. **Klepikov FA, Genes SG, Popova SS:** Funktsional'noe sostoianie kory nadpochechnikov v bol'nykh rakom i adenomoi protaty v protsesse estrogenoterapii.
Urol Nefrol (Mosk) 37:38-42, Nov-Dec 72 **(Rus)**
*ADRENAL GLANDS, physiopathology/ AGED/ CHLOROTRIANISENE, therapeutic use/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTRADIOL, therapeutic use/ *ESTROGENS, therapeutic use/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, analysis/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *PROSTATIC HYPERTROPHY, drug therapy/ *PROSTATIC NEOPLASMS, drug therapy

2109. **Klepping C, Martin F, Villand J, et al:** A propos de trois cas de syndrome de Schwartz-Bartter au cours de cancers bronchiques observés en moins d'un an dans un service de médecine générale.
Sem Hop Paris 49:1087-92, 26 Mar 73 **(Fre)**
ADULT/ ALDOSTERONE, urine/ AUTOPSY/ BRONCHOSCOPY/ *CARCINOMA, BRONCHOGENIC/ CARCINOMA, BRONCHOGENIC, diagnosis/ *HORMONES, ECTOPIC/ HUMAN/ *HYPONATREMIA/ HYPONATREMIA, diagnosis/ *LUNG NEOPLASMS/ LUNG NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ RENIN, blood/ *VASOPRESSIN, secretion

2110. **Klepsch I, Grigorescu A, Eşanu C:** Dozarea radioimunologică a hormonului uman de luteinizare (HLH) prin metoda cu dol antiocropi.
Stud Cercet Endocrinol 24:335-43, 1973 **(Rum)**
ANTIBODIES/ HUMAN/ IODINE ISOTOPES/ ISOTOPE LABELING/ *LH, analysis/ METHODS/ *RADIOIMMUNOASSAY

2111. **Klessen C:** Zum Nachweis von Sialinsüre enthaltenden Glykoproteinen in den Mucoidzellen der Adenohypophyse der Ratte.
Histochemie 35:297-306, 29 Jun 73 **(Ger)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GLYCOPROTEINS, analysis/ IRON/ MALE/ *NEURAMINIC ACIDS, analysis/ *PITUITARY GLAND, cytology/ RATS

2112. **Kletter G:** Tödliche Thrombosen bei Frauen im gebärfähigen Alter.
Munch Med Wochenschr 115:1017-9, 1 Jun 73 **(Ger)**
ACCIDENTS/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AUSTRIA/ AUTOPSY/ CEREBRAL EMBOLISM AND THROMBOSIS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LEG, blood supply/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, occurrence/ SEX FACTORS/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality/ *THROMBOEMBOLISM, occurrence/ THROMBOPHLEBITIS, occurrence

2113. **Kley HK, Geisthövel W, Krüskemper HL:** Effect alpha-fluorohydrocortisone on the hypothalamo-pituitary-adrenal axis.
Acta Endocrinol (Kbh) 73:417-26, Jul 73
*ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, drug effects/ ADULT/ AGED/ CHROMATOGRAPHY/ DEPRESSION CHEMICAL/ FEEDBACK/ FEMALE/ *FLUDROCORTISONE, pharmacodynamics/ HALF-LIFE/ HUMAN/ *HYPOTHALAMUS, drug effects/ KETOSTEROIDS, blood/ MALE METYRAPONE, diagnostic use/ MIDDLE AGE *PITUITARY GLAND, drug effects/ PROTEIN BINDING/ STIMULATION, CHEMICAL

2114. **Kley HK, Herrmann J, Morgner KD, et al:** Effect testosterone oenanthate on plasma concentration thyroxine, cortisol, testosterone and hormone binding proteins in patients with hypogonadism.
Horm Metab Res 5:271-4, Jul 73
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ *BLOOD PROTEINS, metabolism/ BODY WEIGHT/ CHROMATOGRAPHY, PAPER/ HUMAN/ *HYDROCORTISONE, blood/ HYPOGONADISM, blood/ KLINEFELTER'S SYNDROME, blood/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND metabolism/ PROTEIN BINDING/ SERUM GLOBULINS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, metabolism/ TIME FACTORS

2115. **Kley HK, Wiegelmann W, Krüskemper HL:** The effect of LH-RH infusion on plasma concentrations of testosterone and cortisol in the male.
Acta Endocrinol [Suppl] (Kbh) 173:92, 1973
HUMAN/ *HYDROCORTISONE, blood/ LEYDIG CELLS, drug effects/ *LH, blood/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *TESTOSTERONE, blood/ TIME FACTORS

2116. **Klimek R:** Perspektywy rozwoju endokrynologii ginekologicznej. Ginekol Pol 44:801-2, Jul 73 (
*ENDOCRINOLOGY/ FEMALE/ *GYNECOLOGY/ HUMAN/ POLAND/ PREGNANCY/ *SPECIALTIES, MEDICAL

2117. **Klimiuk L, Rostafińska J, Karczewska Z, et al:** Dynamika czynności lewej komory serca w badaniu polikardiograficznych u chorych z nadczynnością tarczycy.
Endokrynol Pol 24:249-56, May-Jun 73 (
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, physiopathology/ *HEART physiopathology/ HEART VENTRICLE/ HEMODYNAMICS/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE

2118. **Klopper A, Masson G, Campbell D, et al:** Estriol plasma. A compartmental study.
Am J Obstet Gynecol 117:21-6, 1 Sep 73
BLOOD CELLS, analysis/ EDEMA, metabolism/ ERYTHROCYTES, analysis/ ESTRIOL, biosynthesis/ *ESTRIOL, blood/ ESTRIOL, metabolism/ EXTRACELLULAR SPACE, analysis/ FEMALE/ GLUCURONATES, analysis/ HUMAN/ PLACENTA, metabolism/ PLASMA, analysis/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SULFATES, analysis/ ULTRAFILTRATION

2119. **Klotz HP, Paounof MF:** La décompensation puberale de la spasmophilie.
Probl Actuels Endocrinol Nutr 16:305-11, 3 Ma (
ADOLESCENCE/ AFFECTIVE DISTURBANCES/ CALCIUM, metabolism/ CALCIUM, therapeutic use/ DIHYDROTACHYSTEROL, therapeutic use/

FEMALE/ HUMAN/ MALE/ PSYCHOPHYSIOLOGIC DISORDERS/ *PUBERTY/ SEX FACTORS/ SPASMOPHILIA/ SPASMOPHILIA, drug therapy/ SPASMOPHILIA, familial & genetic/ SPASMOPHILIA, metabolism/ SPASMOPHILIA, physiopathology

Klykov NV, Petrova AN, Berlizova LS, et al: K voprosu o sostoianii neiro-gumoral'noi regulatsii pri iazvennoi bolezni. Ter Arkh 45:57-61, Apr 73 (Rus)
ACETYLCHOLINE, blood/ ACETYLCHOLINESTERASE, blood/ ADRENAL GLANDS, physiopathology/ DUODENAL ULCER, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS, physiopathology/ PEPTIC ULCER, blood/ PEPTIC ULCER, enzymology/ *PEPTIC ULCER, physiopathology/ PITUITARY GLAND, physiopathology/ STOMACH ULCER, physiopathology

Knapp G: Eine rasche Bestimmung der Jodaminosäure-jods im Blutserum. Clin Chim Acta 46:261-6, 14 Jul 73 (Ger)
CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DIIODOTYROSINE, blood/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *IODINE, blood/ IODINE, isolation & purification/ IODINE ISOTOPES/ IODOTYROSINE, blood/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID HORMONES, blood/ THYROID HORMONES, isolation & purification/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

Knight AG: A review of experimental human fungus infections. J Invest Dermatol 59:354-8, Oct 72 (36 ref.)
ANTIFUNGAL AGENTS, therapeutic use/ ANTIGENS, FUNGAL/ DERMATOMYCOSIS, immunology/ *DERMATOMYCOSIS, microbiology/ EPIDERMOPHYTON, immunology/ EPIDERMOPHYTON, pathogenicity/ GRISEOFULVIN, therapeutic use/ HUMAN/ HUMIDITY/ HYDROCORTISONE/ MICROSPORUM, immunology/ MICROSPORUM, pathogenicity/ REVIEW/ SKIN, injuries/ SKIN, pathology/ SKIN TESTS/ SPORES, FUNGAL, pathogenicity/ TINEA, immunology/ TINEA, microbiology/ TINEA, pathology/ TINEA CAPITIS, drug therapy/ TRICHOPHYTON, immunology/ TRICHOPHYTON, pathogenicity

Knight BL, Iliffe J: The effect of glucose, insulin and noradrenaline on lipolysis, and on the concentrations of adenosine 3':5'-cyclic monophosphate and adenosine 5'-triphosphate in adipose tissue. Biochem J 132:77-82, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ EPIDIDYMIS/ *FATTY ACIDS, metabolism/ *GLUCOSE, pharmacodynamics/ GLYCERIN, metabolism/ IN VITRO/ *INSULIN, pharmacodynamics/ LIPID MOBILIZATION, drug effects/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS/ TRITIUM

Lights EB, Baylin SB, Foster GV: Control of polypeptide hormones by enzymatic degradation. Lancet 2:719-23, 29 Sep 73
CARBOXYPEPTIDASES, physiology/ CATHEPSIN, metabolism/ DEPRESSION, CHEMICAL/ ENDOCRINE DISEASES, etiology/ *ENZYMES, metabolism/ GLUCAGON, metabolism/ HORMONES, biosynthesis/ *HORMONES, metabolism/ INSULIN, metabolism/ LIVER, metabolism/ OXYTOCIN, metabolism/ PANCREAS, metabolism/ PARATHYROID HORMONE, metabolism/ PEPTIDE PEPTIDOHYDROLASES, metabolism/ *PEPTIDES, metabolism/ PROINSULIN, metabolism/ STIMULATION, CHEMICAL/ THYROCALCITONIN, metabolism/ TRYPSIN, physiology

2125. Knoepp LF Jr, Ray JE, Overby I: Ovarian metastases from colorectal carcinoma. Dis Colon Rectum 16:305-11, Jul-Aug 73
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ ADULT/ AGED/ CASTRATION/ *COLONIC NEOPLASMS, complications/ COLONIC NEOPLASMS, surgery/ COLOSTOMY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ *RECTAL NEOPLASMS, complications/ RECTAL NEOPLASMS, surgery/ UNITED STATES

2126. Knopf RF, Fajans SS, Pek S, et al: Plasma levels of growth hormone and glucagon in diabetic patients and relatives of diabetic patients. Adv Metab Disord 2:Suppl 2:215-25, 1973
ADULT/ ARGININE, diagnostic use/ BLOOD SUGAR, analysis/ CORTISONE, diagnostic use/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, familial & genetic/ DIABETIC RETINOPATHY, blood/ FEMALE/ *GLUCAGON, blood/ GLUCOSE, diagnostic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERGLYCEMIA, blood/ MALE/ MIDDLE AGE/ PREDIABETIC STATE, blood/ *SOMATOTROPIN, blood

2127. Knorr D, Bidlingmaier F, Engelhardt D: Reifenstein's syndrome, a 17beta-hydroxysteroid-oxydoreductase deficiency? Acta Endocrinol [Suppl] (Kbh) 173:37, 1973
ANDROSTENEDIONE, blood/ CHILD/ ESTRADIOL, blood/ ESTRONE, blood/ FSH, urine/ GYNECOMASTIA/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ HYPOSPADIAS/ MALE/ *METABOLISM, INBORN ERRORS, complications/ *PSEUDOHERMAPHRODITISM, etiology/ PSEUDOHERMAPHRODITISM, familial & genetic/ STERILITY, MALE

2128. Knowler JT, Smellie RM: The oestrogen-stimulated synthesis of heterogeneous nuclear ribonucleic acid in the uterus of immature rats. Biochem J 131:689-97, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HELA CELLS, metabolism/ IN VITRO/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ NUCLEIC ACID DENATURATION/ PHOSPHORUS ISOTOPES/ POLYSACCHARIDES/ RATS/ RIBONUCLEOTIDES, analysis/ RNA, analysis/ *RNA, biosynthesis/ RNA, isolation & purification/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism

2129. Knox FG: Role of the proximal tubule in the regulation of urinary sodium excretion. Mayo Clin Proc 48:565-73, Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ DOGS/ EDEMA, metabolism/ HYPERALDOSTERONISM, metabolism/ *KIDNEY TUBULES, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ NATRIURESIS/ NEPHRONS, physiology/ SODIUM, metabolism/ *SODIUM, urine

2130. Knox FG, Schneider EG, Willis LR, et al: Effect of volume expansion on sodium excretion in the presence and absence of increased delivery from superficial proximal tubules. J Clin Invest 52:1642-6, Jul 73
ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUFFERS/ CALCIUM/ DOGS/ GLOMERULAR FILTRATION RATE/ INULIN, diagnostic use/ *KIDNEY TUBULES,

physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ *NATRIURESIS/ PARATHYROID GLANDS, physiology/ PHOSPHATES, urine/ PUNCTURES

2131. **Knox GV, Campbell C, Lomax P:** Cutaneous temperature and unit activity in the hypothalamic thermoregulatory centers.
Exp Neurol 40:717-30, Sep 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ FEMALE/ HEATING/ *HYPOTHALAMUS, physiology/ RATS/ *SKIN TEMPERATURE/ TAIL, innervation/ TEMPERATURE/ THERMORECEPTORS, physiology

2132. **Ko KC, Paradise RR:** Multiple mechanisms of action of halothane and methoxyflurane on force of contraction of isolated rat atria. Anesthesiology 39:278-84, Sep 73
ANIMAL EXPERIMENTS/ BICARBONATES/ CALCIUM, metabolism/ COMPARATIVE STUDY/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GLYCOLYSIS, drug effects/ *HALOTHANE, pharmacodynamics/ *HEART ATRIUM, drug effects/ MALE/ *METHOXYFLURANE, pharmacodynamics/ MYOCARDIUM, metabolism/ PYRUVATES, pharmacodynamics/ RATS/ TIME FACTORS

2133. **Kobatake K, Handa S, Mitsufuji M, et al:** [A case of the syndrome of inappropriate secretion of antidiuretic hormone(SIADH) associated with undifferentiated carcinoma of large cell type of the lung]
J Jap Soc Intern Med 62:368-73, Apr 73 (Jap)
AGED/ *CARCINOMA, metabolism/ CARCINOMA, pathology/ HUMAN/ *LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, pathology/ MALE/ MICROSCOPY, ELECTRON/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *VASOPRESSIN, secretion

2134. **Kobayashi F, Hara K, Miyake T:** Facilitation by progesterone of ovulating hormone release in sodium pentobarbital-blocked proestrous rats.
Endocrinol Jap 20:175-80, Apr 73
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ *OVULATION, drug effects/ *PENTOBARBITAL, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RATS

2135. **Kobayashi I, Greer MA:** Resistance of rat thyroid iodoprotein to proteolysis following large doses of radioiodine. Endocrinology 93:593-601, Sep 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ DIET/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HYDROLYSIS/ HYPOPHYSECTOMY/ *IODIDES, metabolism/ *IODINE ISOTOPES, administration & dosage/ *IODOPROTEINS, metabolism/ MALE/ MERCAPTOETHANOL, pharmacodynamics/ *PANCREATIN, pharmacodynamics/ PITUITARY GLAND, physiology/ PROPYLTHIOURACIL, pharmacodynamics/ RADIATION EFFECTS/ RATS/ THYROGLOBULIN, metabolism/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROID GLAND, radiation effects/ TIME FACTORS

2136. **Kobayashi J:** [Effects of adrenochrome monoguanylhydrazone methanesulfonate given before or after irradiation on the induction of chromosome aberrations]
Nippon Acta Radiol 33:126-9, Feb 73 (Jap)
*ADRENOCHROME, pharmacodynamics/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ HUMAN/ *RADIATION EFFECTS/ *RADIATION-PROTECTIVE AGENTS

2137. **Kobayashi S:** Endothelien der perifokalen Venen beim Mammacarcinom.
Yonago Acta Med 16:58-66, Feb 72 (Ger)
ADULT/ AGED/ *BREAST NEOPLASMS, pathology/ ENDOTHELIUM, pathology/ ENGLISH ABSTRACT/ *EPITHELIAL CEL FEMALE/ HUMAN/ KARYOMETRY/ MID AGE/ SEX CHROMATIN/ *VEINS, pathol

2138. **Kobayashi T, Shiraishi M, Oara H:** [Studies o thyroid function in the aged as viewed from TRE system] J Jap Soc Intern Med 62:610-9, 10 Jun 73
AGED/ FEMALE/ HUMAN/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ RABB immunology/ RADIOIMMUNOASSAY/ *THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use

2139. **Koblet H, Kohler U, Wyler R:** Stimulation ribonucleic-acid synthesis in chick-embryo fibroblasts by exogenous adenosine 3':5'-monophosphate.
Eur J Biochem 37:134-42, 1 Aug 73
ADENINE NUCLEOTIDES/ ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT CHICK EMBRYO/ CYCLOHEXIMIDE, pharmacodynamics/ *FIBROBLASTS, metabolism/ MODELS, BIOLOGICAL/ POLYNUCLEOTIDES, analysis/ PUROMYC pharmacodynamics/ RNA, analysis/ *RNA, biosynthesis/ RNA, MESSENGER, biosynth RNA, RIBOSOMAL, biosynthesis/ RNA, TRANSFER, biosynthesis/ TIME FACTORS TRANSCRIPTION, GENETIC, drug effects TRITIUM/ URIDINE, metabolism

2140. **Kobrine AI, Kempe LG:** The treatment of closed injury. Milit Med 138:495-6, Aug 73
ANIMAL EXPERIMENTS/ BRAIN EDEMA drug therapy/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HEAD INJURI cerebrospinal fluid/ *HEAD INJURIES, dr therapy/ MONKEYS

2141. **Kobrine AI, Ross E:** Granular cell myoblastomas pituitary region. Surg Neurol 1:275-9, Sep
AUTOPSY/ FEMALE/ HUMAN/ MIDDLE AGE/ *MYOBLASTOMA/ MYOBLASTOMA, pathology/ PITUITARY GLAND, pathology *PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, pathology/ THALAMUS, pathology

2142. **Kobylinski S, Schulz B:** Zur Wirkung von Vitamin I Tetrachlorkohlenstoff auf die terminale Strom
Exp Pathol (Jena) 6:193-200, 1972
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, pathology/ *BLOOD VESSELS, drug effects/ CAPILLARIES, d effects/ CAPILLARY PERMEABILITY/ *CARBON TETRACHLORIDE, pharmacodynamics/ CARBON TETRACHLORIDE POISONING, complicati DIABETIC ANGIOPATHIES, etiology/ DIABETIC ANGIOPATHIES, pathology/ ENGLISH ABSTRACT/ LIPIDS, metabolism MESENTERIC ARTERIES, drug effects/ MESENTERIC ARTERIES, pathology/ MESENTERIC VEINS, drug effects/ MESENTERIC VEINS, pathology/ OXIDATION-REDUCTION/ RATS/ *VITAM D, pharmacodynamics

2143. **Koch B, Bucher B, Mialhe C:** Influence of m eminence extracts on neosynthesis and relea ACTH. Horm Metab Res 5:306, Jul 73
CARBON ISOTOPES/ CEREBRAL CORTEX secretion/ *CORTICOTROPIN, biosynthesis, CORTICOTROPIN, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ IN VITRO/ *MESENCEPHALON, secretion/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ TIME FACTORS

2144. **Koch HR, Ebertz KH, Hockwin O:** Konserv kataraktherapie in klinik und experiment. Doc Ophthalmol 35:85-286, 27 Jul 73 (796 ref.)

AGING/ ANIMAL EXPERIMENTS/ CARBOHYDRATE METABOLISM, INBORN ERRORS, complications/ CATARACT, drug therapy/ CATARACT, etiology/ CATARACT, immunology/ CATARACT, metabolism/ CATARACT, radiotherapy/ CATARACT, rehabilitation/ *CATARACT, therapy/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GALACTOSEMIA, complications/ HUMAN/ RADIATION EFFECTS/ REVIEW/ TETANY, complications/ XYLOSE, metabolism

Koch-Weser J: Correlation of pathophysiology and pharmacotherapy in primary hypertension.
Am J Cardiol 32:499-510, 20 Sep 73 (110 ref.)
BLOOD PRESSURE/ CARDIAC OUTPUT/ CARDIAC VOLUME/ DIURETICS, therapeutic use/ FUROSEMIDE, therapeutic use/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ *HYPERTENSION/ HYPERTENSION, complications/ HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ METHYLDOPA, therapeutic use/ NOREPINEPHRINE, blood/ PLASMA VOLUME/ PROPRANOLOL, therapeutic use/ RENIN, blood/ RESERPINE, therapeutic use/ REVIEW/ SPIRONOLACTONE, therapeutic use/ VASCULAR RESISTANCE/ VASODILATOR AGENTS, therapeutic use

Kochman MC, Kochman RC: Steroid therapy in ophthalmology. NY State J Med 73:2140-3, 1 Sep 73
ADOLESCENCE/ CATARACT, chemically induced/ CATARACT, diagnosis/ *EYE DISEASES, drug therapy/ GLAUCOMA, chemically induced/ GLAUCOMA, diagnosis/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFLAMMATION/ MALE

Kocsis JJ, Hernandovich J, Silver MJ, et al: Duration of inhibition of platelet prostaglandin formation and aggregation by ingested aspirin or indomethacin.
Prostaglandins 3:141-4, Feb 73
ADULT/ *ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ DEPRESSION, CHEMICAL/ EPINEPHRINE, antagonists & inhibitors/ HUMAN/ *INDOMETHACIN, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood/ TIME FACTORS

Kodama M: [Hormone therapy of breast cancer--with special reference to its action mechanism]
Clin Endocrinol (Tokyo) 21:379-82, Apr 73 (Jap)
ANIMAL EXPERIMENTS/ *BREAST NEOPLASMS, drug therapy/ *HORMONES, therapeutic use/ HUMAN/ MICE

Koeda T, Odaki M, Hisamatsu T, et al: [Toxicity of 3',4'-dideoxykanamycin B. 3. Chronic toxicity in rats and dogs]
Jap J Antibiot 26:247-61, Jun 73 (Jap)
ADRENAL GLANDS, drug effects/ AMINO SUGARS, toxicity/ ANIMAL EXPERIMENTS/ AUTOPSY/ BLOOD CHEMICAL ANALYSIS/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HEART, drug effects/ *KANAMYCIN, toxicity/ KIDNEY, drug effects/ LIVER, drug effects/ LUNG, drug effects/ MALE/ ORGAN WEIGHT/ OVARY, drug effects/ PANCREAS, drug effects/ RATS/ SPLEEN, drug effects/ TESTIS, drug effects/ TIME FACTORS/ URINE, analysis

Koeda T, Odaki M, Hisamatsu T, et al: [Toxicity of 3',4'-dideoxykanamycin B. 2. Subacute toxicity in rats and rabbits]
Jap J Antibiot 26:228-46, Jun 73 (Jap)
ADRENAL GLANDS, drug effects/ AMINO SUGARS, toxicity/ ANIMAL EXPERIMENTS/ AUTOPSY/ BLOOD CHEMICAL ANALYSIS/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HEART, drug effects/ *KANAMYCIN, toxicity/ KIDNEY, drug effects/ LIVER, drug effects/ LUNG, drug effects/ MALE/ ORGAN WEIGHT/ PANCREAS, drug effects/ RABBITS/ RATS/ SPLEEN, drug effects/ TESTIS, drug effects/ URINE, analysis

2151. **Koeda T, Odaki M, Hisamatsu T, et al:** [Toxicity of 3',4'-dideoxykanamycin B. 1. Acute toxicity in mice and rats]
Jap J Antibiot 26:221-7, Jun 73 (Jap)
ADRENAL GLANDS, drug effects/ AMINO SUGARS, toxicity/ ANIMAL EXPERIMENTS/ AUTOPSY/ BRAIN, drug effects/ DUODENUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HEART, drug effects/ *KANAMYCIN, toxicity/ KIDNEY, drug effects/ LETHAL DOSE 50/ LIVER, drug effects/ LUNG, drug effects/ MALE/ MICE/ OVARY, drug effects/ PANCREAS, drug effects/ RATS/ SPLEEN, drug effects/ STOMACH, drug effects/ TESTIS, drug effects/ THYROID GLAND, drug effects

2152. **Koering MJ, Wolf RC, Meyer RK:** Morphological and functional evidence for corpus luteum activity during late pregnancy in the rhesus monkey.
Endocrinology 93:686-93, Sep 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *CORPUS LUTEUM, cytology/ CORPUS LUTEUM, physiology/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HYDROXYPROGESTERONE, blood/ MACACA/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MONKEYS/ OVARY, blood supply/ PROGESTERONE, blood/ TRITIUM/ UTERUS, blood supply/ VEINS

2153. **Kofoed JA, Houssay AB, Curbelo HM, et al:** Influence of the thyroid upon the glycosaminoglycans in the salivary glands in the rat.
Arch Oral Biol 18:481-5, Apr 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ GLYCOPROTEINS, metabolism/ HYALURONIC ACID, metabolism/ *MUCOPOLYSACCHARIDES, metabolism/ PAROTID GLAND, metabolism/ RATS/ *SALIVARY GLANDS, metabolism/ SUBMANDIBULAR GLAND, metabolism/ *THYROID GLAND, physiology/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics/ URONIC ACIDS, metabolism

2154. **Kofoed JA, Houssay AB, Curbelo HM, et al:** Effects of glucocorticoids upon the glycosaminoglycans in salivary glands in the rat.
Arch Oral Biol 18:681-8, Jun 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CHONDROITIN, analysis/ CHROMATOGRAPHY/ GLUCOCORTICOIDS, physiology/ GLYCOPROTEINS, analysis/ HEPARITIN SULFATE, analysis/ HYALURONIC ACID, analysis/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ MALE/ *MUCOPOLYSACCHARIDES, analysis/ PAROTID GLAND, analysis/ RATS/ SALIVARY GLANDS, analysis/ *SALIVARY GLANDS, drug effects/ SUBMANDIBULAR GLAND, analysis/ URONIC ACIDS, analysis

2155. **Kogan AKh, Litvitskii PF:** Vliianie transplantatsii kortikosteromy cheloveka v milliporovoi diffuzionnoi kamere na razvitie nadpochechnikovoi nedostatochnosti u laboratornykh zhivotnykh.
Patol Fiziol Eksp Ter 16:74-6, Nov-Dec 72 (Rus)
*ADRENAL CORTICAL REST TUMOR, physiopathology/ *ADRENAL GLAND HYPOFUNCTION, physiopathology/ *ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENALECTOMY/ ADULT/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MICE/ MICROPORE FILTERS/ *NEOPLASM TRANSPLANTATION/ TIME FACTORS

2156. **Köhler K, Platzbecker H:** Die Lymphographie bei gynäkologischen Tumoren und Tumorrezidiven.
Radiobiol Radiother (Berl) 14:241-5, 1973 (Ger)
CERVIX NEOPLASMS, diagnosis/ ENGLISH

ABSTRACT/ FEMALE/ GYNECOLOGIC NEOPLASMS, classification/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ OVARIAN NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, diagnosis/ VAGINAL NEOPLASMS, diagnosis/ VULVAR NEOPLASMS, diagnosis

2157. **Kohn DH:** [Infertility after the pill]
Harefuah 84:666-7, 15 Jun 73 (Heb)
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *STERILITY, FEMALE, chemically induced

2158. **Kohn HJ:** Nongenetic host factors that affect the probability of rejection of H-X allografts in the mouse. Transplantation 16:151-4, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *GRAFT REJECTION/ HISTOCOMPATIBILITY/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ SEX CHROMOSOMES, immunology/ SKIN, transplantation/ TAIL/ TRANSPLANTATION, HOMOLOGOUS

2159. **Kojima M, Yamaguchi T, Maeda M, et al:** [Synthesis of adrenal scanning agent, 131I-19-iodocholesterol, and its clinical application]
Clin Endocrinol (Tokyo) 21:331-5, Mar 73 (Jap)
*ADRENAL GLANDS/ ADULT/ *CHOLESTEROL, chem synthesis/ CHOLESTEROL, diagnostic use/ FEMALE/ HUMAN/ IODINE/ *IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ *RADIOISOTOPE SCANNING

2160. **Kokoshchuk GI:** Soderzhanie serotonina v pochkakh i krovi krys v sopostavlenii s funktsiei pochek pri eksperimental'nom glomerulonefrite.
Patol Fiziol Eksp Ter 16:44-7, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GLOMERULONEPHRITIS, physiopathology/ *KIDNEY, analysis/ *KIDNEY FUNCTION TESTS/ RATS/ *SEROTONIN, analysis/ SEROTONIN, blood/ SODIUM, urine

2161. **Kolb E, Fürll M:** Untersuchungen über die Veränderungen des Gehalts an eosinophilen Leukozyten, an Glukose, an freien Fettsäuren, an Kalzium und an Magnesium im Blut beim Schaf im Verlaufe eines Tages und über die Beeinflussung durch verschiedene Hormone (ACTH, Prednisolon, Adrenalin.
Arch Exp Veterinaermed 27:165-83, 1973 (Ger)
ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CIRCADIAN RHYTHM/ CORTICOTROPIN, metabolism/ ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ FATTY ACIDS, blood/ FATTY ACIDS, metabolism/ FEMALE/ GLUCOSE, metabolism/ LEUKOCYTE COUNT, veterinary/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ PREDNISOLONE, metabolism/ *SHEEP, physiology

2162. **Koldovský O, Jumawan J, Herbst JJ, et al:** Corticosteroid-dependent cycloheximide-evoked increase of sucrase and maltase in the jejunum of suckling rats. Biochim Biophys Acta 309:370-8, 6 Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ CYCLOHEXIMIDE, antagonists & inhibitors/ *CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *GLUCOSIDASE, metabolism/ JEJUNUM, drug effects/ *JEJUNUM, enzymology/ KINETICS/ RATS/ *SUCRASE, metabolism

2163. **Koletsky S:** Obese spontaneously hypertensive rats--a model for study of atherosclerosis.
Exp Mol Pathol 19:53-60, Aug 73
ADRENAL GLAND DISEASES, complications/ ALBUMINURIA, complications/ ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, complications/ *DISEASE MODELS, ANIMAL/ FEMALE/ GLUCOCORTICOIDS, blood/ HYPERLIPEMIA, complications/ HYPERTENSION, complications/ *HYPERTENSION, familial & genetic/ MAL METABOLISM, INBORN ERRORS, complications/ MUTATION/ NEPHROSCLEROSIS, complications/ OBESIT complications/ *OBESITY, familial & geneti PHENOTYPE/ *RATS/ UREMIA, etiology

2164. **Koller PC:** Incidenza del cancro in soggetti aberrazioni cromosomiche congenite o acquis
Recent Prog Med (Roma) 54:383-95, May 73 (35 r
(
ABNORMALITIES, MULTIPLE, complication ANIMAL EXPERIMENTS/ CELL TRANSFORMATION, NEOPLASTIC/ *CHROMOSOME ABERRATIONS/ DIPLOIDY DWARFISM, congenital/ ENGLISH ABSTRACT/ ERYTHEMA, familial & geneti FACIAL DERMATOSES, familial & genetic/ FANCONI SYNDROME, complications/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ LEUKEMIA, etiology/ MICE/ MONGOLISM, complications/ MOSAICISM/ NEOPLASMS, etiology/ *NEOPLASMS, fami & genetic/ PHOTOSENSITIZATION, familia genetic/ PRECANCEROUS CONDITIONS, familial & genetic/ REVIEW/ SEX CHROMOSOMES/ TELANGIECTASIS, congenital/ TRISOMY/ TURNER'S SYNDRO complications

2165. **Kolodina LN, Granat LN, Alipov VI, et al:** Laktats zhenshchin pri patologii shchitovidnoi zhele
Akush Ginekol (Mosk) 48:62-3, Sep 72 (I
FEMALE/ HUMAN/ *LACTATION DISORDERS, etiology/ PREGNANCY/ *THYROID DISEASES, complications

2166. **Kolodziejczyk J:** Obrzęk kosmków w łożyskach płc dystroficznych.
Ginekol Pol 44:671-7, Jun 73 (
ALKALINE PHOSPHATASE, metabolism/ *BIRTH WEIGHT/ DNA, metabolism/ EDEI ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, etiology/ HUMAN/ INFANT, NEWBORN/ PLACENTA, enzymology/ *PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, pathology/ PREGNANCY/ RNA, metabolism

2167. **Koloğlu S, Koloğlu LB:** Iodine metabolism in end goiter in Turkey. I. The kinetics of 131-I and or iodine. Biomedicine [Express] 19:94-7, 20 Ma
FEMALE/ GOITER, ENDEMIC, etiology/ *GOITER, ENDEMIC, metabolism/ HUMAN IODINE, blood/ *IODINE, metabolism/ IODINE, urine/ IODINE ISOTOPES, DIAGNOSTIC/ KINETICS/ PROTEIN-BOUN IODINE TEST/ STATISTICS/ TURKEY

2168. **Kolpakov MG, Papafilova OV:** Vliianie gidrokortiz al'dosterona na soderzhanie katekholaminov nekotorykh tkaniakh belykh krys.
Probl Endokrinol (Mosk) 19:75-8, May-Jun 73 (
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENT AORTA, analysis/ *CATECHOLAMINES, analysis/ ELECTROLYTES, blood/ ENGLIS ABSTRACT/ EPINEPHRINE, analysis/ EPINEPHRINE, blood/ *HYDROCORTISON pharmacodynamics/ HYPOTHALAMUS, analysis/ KIDNEY CORTEX, analysis/ NOREPINEPHRINE, blood/ PHOTOMETRY RATS/ TIME FACTORS

2169. **Komarnicka R, Piotrowska-Sowińska J:** Nadczyn tarczycy bez przyspieszenia czynności serca
Pol Tyg Lek 28:910-1, 1973
AGED/ ENGLISH ABSTRACT/ HEART, physiopathology/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ MA

2170. **Komender J, Golaszewska A, Malczewska H**
Quantitative determination of hyaluronidase in sections. Histochemie 35:219-25, 30 May 73
ANIMAL EXPERIMENTS/ DENSITOMETR HISTOCYTOCHEMISTRY/ *HYALURONID analysis/ HYALURONIDASE, metabolism/

HYDROGEN-ION CONCENTRATION/ *KIDNEY, enzymology/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ MALE/ MICROTOMY/ NITROGEN, analysis/ RATS/ *TESTIS, enzymology

Komisaruk BR, Diakow C: Lordosis reflex intensity in rats in relation to the estrous cycle, ovariectomy, estrogen administration and mating behavior. Endocrinology 93:548-57, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ MALE/ *OVARY, physiology/ PHYSICAL STIMULATION/ POSTURE/ RATS/ RECTUM, physiology/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ VAGINA, physiology

Komiya I, Hayasaka Y, Kurata S, et al: [Experimental studies on absorption, excretion, distribution and metabolism of 3',4' dideoxykanamycin B. 1. Absorption, excretion, distribution and metabolism in rats] Jap J Antibiot 26:49-54, Feb 73 (Jap)
BACILLUS SUBTILIS/ BIOLOGICAL ASSAY/ BONE AND BONES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ KANAMYCIN, administration & dosage/ KANAMYCIN, analysis/ KANAMYCIN, blood/ *KANAMYCIN, metabolism/ KANAMYCIN, urine/ TIME FACTORS/ TRITIUM/ WHOLE BODY COUNTERS

Kondo M: Pathology of skin structures in dermoid cyst of ovary. Jap J Dermatol [B] 82:58-71, Jun 72
ADOLESCENCE/ ADULT/ *DERMOID CYST, pathology/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, pathology/ SKIN, pathology

Kondo M, Kasai M: The effects of n-alcohols on sarcoplasmic reticulum vesicles.
Biochim Biophys Acta 311:391-9, 6 Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ALCOHOLS, metabolism/ *ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ ENZYME ACTIVATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ MATHEMATICS/ RABBITS/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, enzymology/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS/ WATER

Kones RJ: Are corticosteroids in large doses beneficial in cardiogenic shock? Jap Heart J 14:281-5, May 73
ANIMAL EXPERIMENTS/ CAPILLARY PERMEABILITY, drug effects/ CARDIAC OUTPUT, drug effects/ DOGS/ GLUCOCORTICOIDS, pharmacodynamics/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IN VITRO/ MYOCARDIAL INFARCT, drug therapy/ *SHOCK, CARDIOGENIC, drug therapy/ VASCULAR RESISTANCE, drug effects

Kones RJ: Cardiogenic shock. Recent advances in pharmacologic management. II.
NY State J Med 73:1967-80, 1 Aug 73 (350 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENAL CORTEX HORMONES, therapeutic use/ CATECHOLAMINES, physiology/ CATECHOLAMINES, therapeutic use/ DEPRESSION, CHEMICAL/ DIGITALIS/ DIGITALIS GLYCOSIDES, therapeutic use/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, therapeutic use/ GLUCOCORTICOIDS, physiology/ HUMAN/ INSULIN, physiology/ ISOPROTERENOL, therapeutic use/ METARAMINOL, therapeutic use/ METHOXAMINE/ MYOCARDIAL INFARCT, metabolism/ NOREPINEPHRINE, therapeutic use/ OUABAIN/ OXYGEN CONSUMPTION/ PHOSPHODIESTERASES, metabolism/ REVIEW/ *SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, therapy/ SOMATOTROPIN, physiology/ STIMULATION, CHEMICAL

2177. **König A, Wulff K:** Inhibitory effects of melatonin on HCG-induced stimulation of uterine and ovarian growth in infantile mice.
Acta Endocrinol [Suppl] (Kbh) 173:150, 1973
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, CHORIONIC, antagonists & inhibitors/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *MELATONIN, pharmacodynamics/ MICE/ ORGAN WEIGHT/ *OVARY, drug effects/ OVARY, growth & development/ *UTERUS, drug effects/ UTERUS, growth & development

2178. **Konijn TM:** Cyclic AMP as a first messenger.
Adv Cyclic Nucleotide Res 1:17-31, 1972 (39 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BIOLOGICAL ASSAY/ *CHEMOTAXIS, drug effects/ CYCLIC P-OXIDES, pharmacodynamics/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ INOSINE NUCLEOTIDES, pharmacodynamics/ MYXOMYCETES, drug effects/ MYXOMYCETES, growth & development/ *MYXOMYCETES, metabolism/ REVIEW/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYMINE NUCLEOTIDES, pharmacodynamics/ URACIL NUCLEOTIDES, pharmacodynamics

2179. **Konijn TM, Jastorff B:** The chemotactic effect of 5'-amido analogues of adenosine cycle 3',5'-monophosphate in the cellular slime moulds.
Biochim Biophys Acta 304:774-80, 28 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMIDES, pharmacodynamics/ *CHEMOTAXIS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *MYXOMYCETES, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

2180. **Konishi M:** Genital sensory field.
Science 181:365-6, 27 Jul 73
ANIMAL EXPERIMENTS/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GENITALIA, FEMALE, innervation/ PHYSICAL STIMULATION/ RATS/ *RECEPTORS, NEURAL, drug effects/ *SENSATION, drug effects/ SKIN, innervation

2181. **Konno N, Sugiyama S, Hagiwara Y:** [Determination of thyroxine binding globulin capacity with cellulose acetate electrophoresis]
Clin Endocrinol (Tokyo) 21:337-42, Mar 73 (Jap)
*BLOOD PROTEIN ELECTROPHORESIS/ CELLULOSE/ FEMALE/ HUMAN/ IODINE ISOTOPES/ MALE/ METHODS/ PREGNANCY/ *SERUM GLOBULINS, analysis/ THYROID GLAND FUNCTION TESTS/ *THYROXINE-BINDING PROTEIN, analysis

2182. **Konopka P:** L'hypogonadisme hypogonadotrophinique féminin. Traitement et résultatséloignés.
Probl Actuels Endocrinol Nutr 16:159-78, 3 May 73 (Fre)
ADOLESCENCE/ ADULT/ AMENORRHEA/ CLOMIPHENE, therapeutic use/ FEMALE/ FSH, blood/ GONADOTROPINS, metabolism/ *GONADOTROPINS, therapeutic use/ HUMAN/ *HYPOGONADISM/ HYPOGONADISM, drug therapy/ LACTATION DISORDERS/ LH, blood/ LONG TERM CARE/ OVARIAN DISEASES, diagnosis/ OVULATION, drug effects/ PITUITARY NEOPLASMS/ PROGNOSIS/ PUBERTY/ SEX CHARACTERISTICS/ SHEEHAN'S SYNDROME/ STERILITY, FEMALE, drug therapy

2183. **Koop CE:** Abdominal mass in the newborn infant.
N Engl J Med 289:569-71, 13 Sep 73 (2 ref.)
*ABDOMEN/ ADRENAL GLAND DISEASES,

diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HAMARTOMA, diagnosis/ HEMORRHAGE, diagnosis/ HUMAN/ HYDROCELE, diagnosis/ HYDRONEPHROSIS, diagnosis/ *INFANT, NEWBORN, DISEASES, diagnosis/ INGUINAL HERNIA, diagnosis/ INTESTINAL NEOPLASMS, diagnosis/ INTESTINAL OBSTRUCTION, diagnosis/ INTUSSUSCEPTION, diagnosis/ KIDNEY NEOPLASMS, diagnosis/ KIDNEY, POLYCYSTIC, diagnosis/ MALE/ PHYSICAL EXAMINATION/ PREGNANCY/ RENAL VEINS/ REVIEW/ SACROCOCCYGEAL REGION/ SPINA BIFIDA, diagnosis/ SPLENIC DISEASES, diagnosis/ TERATOID TUMOR, diagnosis/ URINARY TRACT, abnormalities

2184. **Kopečný J, Kopečná V:** Cytologická kontrola účinnosti hormonální léčby endometriózy.
Cesk Gynekol 38:38-9, 1973 **(Cze)**
ENDOMETRIOSIS, drug therapy/ *ENDOMETRIOSIS, pathology/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, therapeutic use/ *MESTRANOL, therapeutic use/ *NORETHINDRONE, therapeutic use/ *NORETHYNODREL, therapeutic use/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, pathology/ VAGINAL SMEARS

2185. **Kopp F, Stahl A:** Le dimorphisme nucléaire selon le sexe chez l'embryon de poulet (Gallus domesticus.
Ann Genet (Paris) 16:91-100, Jun 73 **(Fre)**
ANIMAL EXPERIMENTS/ *CELL NUCLEUS/ CHICK EMBRYO/ ENGLISH ABSTRACT/ SEX CHROMATIN/ SEX FACTORS/ STATISTICS

2186. **Koprowski JA, Tucker HA:** Bovine serum growth hormone, corticoids and insulin during lactation.
Endocrinology 93:645-51, Sep 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ CATTLE/ ESTRUS/ FEMALE/ GESTATIONAL AGE/ *INSULIN, blood/ *LACTATION/ PARITY/ PREGNANCY/ SEASONS/ SEX FACTORS/ *SOMATOTROPIN, blood/ TIME FACTORS

2187. **Kopwillem A:** Analytical isotachophoresis in capillary tubes. Transformation of pyruvate to succinate by calf heart mitochondrial enzymes.
J Chromatogr 82:407-9, 1 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BIOTRANSFORMATION/ CATTLE/ *CHEMISTRY, ANALYTICAL/ ELECTROCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ *MITOCHONDRIA, MUSCLE, enzymology/ *MYOCARDIUM, enzymology/ PYRUVATES, analysis/ *PYRUVATES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUCCINATES, analysis/ *SUCCINATES, biosynthesis

2188. **Kopytova FV, Mednikova IuS:** Uslovnye reaktsii na vremia neironov mindalevidnogo kompleksa.
Zh Vyssh Nerv Delat 22:930-9, Sep-Oct 72 **(Rus)**
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *CONDITIONING, CLASSICAL/ CUES/ ENGLISH ABSTRACT/ HABITUATION (PSYCHOPHYSIOLOGY)/ INHIBITION, NEURAL/ *NEURAL TRANSMISSION/ NEURONS/ PAIN/ RABBITS/ SOUND/ TIME

2189. **Kordić S:** Oralne manifestacije hipotireoidizma.
Acta Stomatol Croat 7:44-8, 1972-73 **(Cro)**
ENGLISH ABSTRACT/ HYPOTHYROIDISM/ ORAL MANIFESTATIONS/ ROOT RESORPTION/ SPECIAL LIST DENTAL

2190. **Korenman SG:** Measurement of steroid hormones using intracellular receptor proteins.
Metabolism 22:1083-8, Aug 73 (44 ref.)
CATTLE/ ESTRADIOL, blood/ ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, blood/ *ESTROGENS, blo ESTRONE, blood/ ESTRUS/ FEMALE/ F blood/ HUMAN/ LH, blood/ MALE/ MENSTRUATION/ PREGNANCY/ PROGESTERONE, blood/ RABBITS/ RADIOLIGAND ASSAY/ RATS/ RECEPT HORMONE/ REVIEW/ SHEEP/ UTERUS, metabolism

2191. **Kornacki Z, Bajorek J, Szczygielski A, et al:** postępu w rozpoznawaniu zagrożenia płod umieralność okołoporodową płodów i nowor
Ginekol Pol 43:463-7, Apr 72
ENGLISH ABSTRACT/ ESTROGENS, uri FEMALE/ *FETAL DEATH, occurrence/ *FETAL DISEASES, diagnosis/ HUMAN/ *INFANT MORTALITY/ INFANT, NEWE PREGNANCY/ *PRENATAL DIAGNOSIS, instrumentation

2192. **Korner AF:** Sex differences in newborns with reference to differences in the organization behavior. J Child Psychol Psychiatry 14:19-29,
AUDITORY PERCEPTION/ *CHILD BEHAVIOR/ CHILD DEVELOPMENT/ CRYING/ FEMALE/ HUMAN/ *INFANT, NEWBORN/ LATERALITY/ MALE/ MOT ACTIVITY/ *MOUTH, physiology/ MUSC CONTRACTION/ MUSCLES, physiology/ DIFFERENTIATION DISORDERS/ SEX FACTORS/ SKIN, physiology/ SLEEP/ SUCKING BEHAVIOR/ TASTE/ TOUCH/ VISUAL PERCEPTION

2193. **Korsch BM, Negrete VF, Gardner JE, et al:** transplantation in children: psychosocial fo study on child and family. J Pediatr 83:399-408,
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AFFECTIVE DISTURBANCES, etiology/ CHILD/ CHILD, PRESCHOOL/ FAMILY/ FEMALE/ FOLLOW-UP STUDIES/ GRAI REJECTION/ HEMODIALYSIS/ HUMAN/ INFANT/ INTERVIEW, PSYCHOLOGICA *KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, rehabilitation/ KII FAILURE, CHRONIC, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ PERSONALITY INVENTORY/ PROJECTI TECHNICS/ SELF CONCEPT/ *SOCIAL ADJUSTMENT/ STRESS, PSYCHOLOGIC TRANSPLANTATION, HOMOLOGOUS

2194. **Korten JJ, Gabreels FJ, Joosten EM:** Unde prepubertal effects of levodopa.
JAMA 226:355, 15 Oct 73
ADMINISTRATION, ORAL/ AGE FACTO CHILD/ DOPA, administration & dosage *DOPA, adverse effects/ EPILEPSY, dr therapy/ *GENITALIA, MALE, drug eff HUMAN/ MALE/ PUBERTY

2195. **Kosaka C, Okida M, Kaneyuki T, et al:** [Ac pantethine on the adrenal cortex of hypophysectomized rats]
Clin Endocrinol (Tokyo) 21:517-25, May 7
ADRENAL GLANDS, cytology/ *ADREN GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, physiology/ HYPOPHYSECTOMY/ MALE *PANTOTHENIC ACID, pharmacodynam RATS

2196. **Kosaki G, Inoshita K:** [Microstructure of the pl
Jap J Clin Med 31:765-8, Apr 73 (23 ref.
BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, cytology/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULU GLYCOGEN, blood/ HUMAN/ MICROSC ELECTRON/ MITOCHONDRIA/ REVIEW SEROTONIN, blood

2197. **Koshiji Y, Hachiya K, Yoshimura G, et**
[Hyperthyroidism with unusual thyroid st detected in the pituitary gland]
Clin Endocrinol (Tokyo) 21:317-21, Mar 7
FEMALE/ HUMAN/ *HYPERTHYROIDIS metabolism/ *PITUITARY GLAND, anal THYROTROPIN, analysis/ *THYROTROP RELEASING FACTOR, analysis

98. **Kosiowski K, Rupprecht E:** Metaphyseal dysplasia with peripheral location. Helv Paediatr Acta 27:85-9, Apr 72
*BONE DISEASES, DEVELOPMENTAL, diagnosis/ BONE DISEASES, DEVELOPMENTAL, radiography/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ EPIPHYSES, radiography/ FOOT, radiography/ *GROWTH DISORDERS, diagnosis/ HAIR, pathology/ HAND, radiography/ HUMAN/ MALE/ PSEUDOPSEUDOHYPO- PARATHYROIDISM, diagnosis

9. **Kosowski I, Stojanow G, Iliewa W:** Amenorrhoe-Galaktorrhoe nach Anwendung von Ovosiston.
Zentralbl Gynaekol 95:851-4, 22 Jun 73 (Ger)
ADULT/ *AMENORRHEA, chemically induced/ CHLORMADINONE, adverse effects/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ *LACTATION DISORDERS, chemically induced/ MENSTRUATION DISORDERS/ MESTRANOL, adverse effects/ TIME FACTORS

Köster I, Knoke M, Baufeld W, et al: Renal-tubulär bedingte Osteopathien. Ein Fall eines erworbenen Gluko-Amino-Phosphat-Diabetes (De Toni-Debré-Fanconi-Syndrom) beim Erwachsenen. Z Gesamte Inn Med 28:321-7, 1 Jun 73 (Ger)
ADULT/ CASE REPORT/ DDT, poisoning/ DINITROCRESOL, poisoning/ *FANCONI SYNDROME, chemically induced/ FANCONI SYNDROME, drug therapy/ FANCONI SYNDROME, radiography/ GLOMERULAR FILTRATION RATE/ GLYCOSURIA/ HUMAN/ MALE/ MERCURY POISONING, complications/ MUSCULAR ATROPHY, chemically induced/ *PESTICIDES, poisoning/ VITAMIN D, therapeutic use

Kotchen TA: Primary aldosteronism.
J Ky Med Assoc 71:445-8 passim, Jul 73
ADULT/ HUMAN/ *HYPERALDOSTERONISM/ HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, etiology/ MALE

Kothari LK, Mishra P: Histochemical changes in the testis and epididymis after vasectomy.
Int J Fertil 18:119-25, 1973
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ DOGS/ *EPIDIDYMIS, analysis/ EPIDIDYMIS, cytology/ GLYCOGEN, analysis/ HISTOCYTOCHEMISTRY/ LEYDIG CELLS, analysis/ LIPIDS, analysis/ MALE/ STAINS AND STAINING/ *TESTIS, analysis/ TESTIS, cytology/ *VASECTOMY

othbauer O, Schuh M: Die Beeinflussung der Schilddrüse des Rindes durch prokainhältige njektionen als Neuraltherapeutikum.
filit Med 138:223-5, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ *PROCAINE, therapeutic use/ THYROID DISEASES, drug therapy/ *THYROID DISEASES, veterinary/ *THYROID GLAND, drug effects/ TRANQUILIZING AGENTS, therapeutic use

ttler PD, Bowman RE, Haasch WD: RNA metabolism the rat brain during learning following intravenous nd intraventricular injections of 3H-cytidine.
hysiol Behav 8:291-7, Feb 72
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ CORTICOSTERONE, blood/ CYTIDINE, administration & dosage/ *CYTIDINE, metabolism/ DISCRIMINATION LEARNING/ HIPPOCAMPUS, metabolism/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LOCOMOTION/ MALE/ *MEMORY/ ORIENTATION/ OVERLEARNING/ RATS/ REVERSAL LEARNING/ *RNA, metabolism/ STRESS, PSYCHOLOGICAL/ TRITIUM

bach R, Ryć K: Dwa przypadki olbrzymich guzów jajnika w zaawansowanej ciąży.
Wiad Lek 26:1177-81, 15 Jun 73 (Pol)
ADULT/ *CYSTADENOMA, MUCINOUS, diagnosis/ *DISGERMINOMA, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis

2206. **Koutras DA, Pandos PG, Koukoulommati AS, et al:** Radiological signs of bone loss in hyperthyroidism.
Br J Radiol 46:695-8, Sep 73
ADULT/ AGED/ *BONE AND BONES, radiography/ BONE RESORPTION, etiology/ FEMALE/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, pathology/ *HYPERTHYROIDISM, radiography/ MALE/ MATHEMATICS/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, radiography/ THYROID NEOPLASMS, pathology/ TIME FACTORS

2207. **Kovacs K, Horvath E, Szabo S, et al:** Cycloheximide-induced ultrastructural changes in the corpus luteum of rats. Experientia 29:839-40, 1973
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, drug effects/ *CYCLOHEXIMIDE, pharmacodynamics/ CYTOPLASMIC GRANULES/ FEMALE/ RATS

2208. **Kovàcs M, Sellyei M, Szabò A, et al:** Occurrence of XYY individuals among juvenile delinquents in Hungary.
Humangenetik 18:85-7, 23 Mar 73
CELL NUCLEUS/ CELLS, CULTURED/ HUMAN/ HUNGARY/ *JUVENILE DELINQUENCY/ KARYOTYPING/ LYMPHOCYTES/ MALE/ MICROSCOPY, FLUORESCENCE/ MOUTH MUCOSA/ QUINACRINE/ *SEX CHROMOSOME ABNORMALITIES

2209. **Kövér G, Tost H, Stimácz E:** Effect of cyclic 3'-5'-adenosine monophosphate and theophylline on renal function.
Acta Physiol Acad Sci Hung 42:111-7, 1972
ABSORPTION/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ DIURESIS/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY, physiology/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, metabolism/ MALE/ OSMOSIS/ SODIUM, metabolism/ THEOPHYLLINE, administration & dosage/ *THEOPHYLLINE, pharmacodynamics

2210. **Kovnat PJ, Lin KY, Popky G:** Azotemia and nephrogenic diabetes insipidus after arteriography.
Radiology 108:541-2, Sep 73
AGED/ *ANGIOGRAPHY, adverse effects/ ANURIA, chemically induced/ ANURIA, drug therapy/ *DIABETES INSIPIDUS, etiology/ *DIATRIZOATE, adverse effects/ FEMALE/ GLUCOSE, therapeutic use/ HUMAN/ KIDNEY, drug effects/ KIDNEY CORTEX, radiography/ KIDNEY MEDULLA, radiography/ MANNITOL, therapeutic use/ OSMOLAR CONCENTRATION/ *UREMIA, chemically induced/ URINE/ VASOPRESSIN, diagnostic use

2211. **Kowada M, Hirayama A, Gito Y, et al:** [Diagnostic evaluation of the cavernous sinus branch in pituitary tumor] Jap J Clin Radiol 48:547-51, Aug 73 (Jap)
ADULT/ *CAVERNOUS SINUS, radiography/ CRANIOPHARYNGIOMA, radiography/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, radiography

2212. **Kowal J:** Adrenal cells in tissue culture. X. On the mechanism of the stimulation of steroidogenesis by cyclic cytidine monophosphate.
Endocrinology 93:461-8, Aug 73

ADENOSINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ COMPARATIVE STUDY/ *CORTICOTROPIN, metabolism/ *CYTOSINE NUCLEOTIDES, pharmacodynamics/ CYTOSOL, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MALE/ MICE/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ PROTEIN KINASE, analysis/ TISSUE CULTURE

2213. **Kowalski K, Sato S, Burke G:** Thyrotropin- and prostaglandin E2-responsive adenyl cyclase in thyroid plasma membranes. Prostaglandins 2:441-52, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, analysis/ ALUMINUM/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME INDUCTION, drug effects/ FLUORINE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, analysis/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ PROTEINS, analysis/ SERUM ALBUMIN, BOVINE/ SODIUM, pharmacodynamics/ *THYROID GLAND, enzymology/ *THYROTROPIN, pharmacodynamics/ TISSUE EXTRACTS

2214. **Koya S:** [Studies on the photodegradation of thyroxine with ultraviolet-light irradiation]
J Pharm Soc Jap 93:717-28, Jun 73 (Jap)
CHROMATOGRAPHY/ ENGLISH ABSTRACT/ PHOTOLYSIS/ RADIATION EFFECTS/ *THYROXINE, radiation effects/ *ULTRAVIOLET RAYS

2215. **Kozlov GI, Bukhman AI:** Sostoianie kostnoi sistemy u bol'nykh s vrozhdennoi disfunktsiei kory nadpochechnikov.
Probl Endokrinol (Mosk) 19:28-31, May-Jun 73 (Rus)
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, complications/ *ADRENAL GLAND HYPERFUNCTION, congenital/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADULT/ *BONE AND BONES, radiography/ *BONE DEVELOPMENT/ CALCIUM, blood/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ PREDNISOLONE, therapeutic use

2216. **Kozlowski K, Mayne V, Danks DM:** Precocious type of osteodysplasia. A new autosomal recessive form.
Acta Radiol [Diagn] (Stockh) 14:171-6, Mar 73
*AUTOSOME ABNORMALITIES/ *BONE AND BONES, abnormalities/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, radiography/ FEMALE/ FOOT, radiography/ HAND, radiography/ HUMAN/ INFANT/ MALE/ NAILS, MALFORMED

2217. **Kozyrev IuA:** Opredelenie kletochnogo sostava moloka.
Veterinariia 1:85-8, Jan 72 (Rus)
ANIMAL EXPERIMENTS/ CATTLE/ CYTOLOGICAL TECHNICS/ FEMALE/ LACTATION/ *MILK, cytology/ PREGNANCY

2218. **Krafft W, Preibsche W, Marzotko F:** Erfahrungen mit dem Onkobiogramm bei gynäkologischen Karzinomen.
Arch Geschwulstforsch 41:241-7, 1973 (Ger)
*ANTINEOPLASTIC AGENTS, therapeutic use/ CERVIX NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG RESISTANCE/ ENGLISH ABSTRA
FEMALE/ FLUOROURACIL, therapeutic
*GYNECOLOGIC NEOPLASMS, drug ther
HUMAN/ METHOTREXATE, therapeutic
NITROGEN MUSTARD COMPOUNDS, therapeutic use/ OVARIAN NEOPLASMS
therapy/ REMISSION/ TRIAZIQUONE, therapeutic use/ UTERINE NEOPLASMS, therapy/ VINBLASTINE, therapeutic use/ VULVAR NEOPLASMS, drug therapy

2219. **Kraicer J, Milligan JV:** Effects of various secreta upon 42K and 22NA uptake during in vitro ho release from the rat adenohypophysis.
J Physiol (Lond) 232:221-37, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPI pharmacodynamics/ ANIMAL EXPERIMEI CALCIUM, physiology/ CELL MEMBRAN PERMEABILITY/ HYPOTHALAMUS/ IN VITRO/ LYSINE, pharmacodynamics/ MEMBRANE POTENTIALS/ PITUITARY GLAND, drug effects/ *PITUITARY GLA metabolism/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamic *POTASSIUM, metabolism/ POTASSIUM, physiology/ POTASSIUM ISOTOPES/ RA *SODIUM, metabolism/ SODIUM ISOTOP SOMATOTROPIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2220. **Kram R, Tomkins GM:** Pleiotypic control by AMP: interaction with cyclic GMP and possible microtubules.
Proc Natl Acad Sci USA 70:1659-63, Jun
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibi ADENOSINE CYCLIC 3',5' MONOPHOSPI pharmacodynamics/ BIOLOGICAL TRANS drug effects/ CELL LINE/ COLCHICINE pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ FIBROBLASTS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ KINETICS/ LEUCINE, metabolism/ MICI *MICROTUBULES, drug effects/ PROSTAGLANDINS, antagonists & inhibi PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYL pharmacodynamics/ URIDINE, metabolism VINBLASTINE, pharmacodynamics

2221. **Kramer HJ, Krück F:** Untersuchungen zur E eines natriuretischen Hormons.
Verh Dtsch Ges Inn Med 78:1489-93, 1972
ADENOSINE TRIPHOSPHATASE/ ANIM. EXPERIMENTS/ BIOLOGICAL TRANSPO FEMALE/ FROGS/ GLOMERULAR FILTRATION RATE/ *HORMONES, anal HORMONES, blood/ HORMONES, urine/ HUMAN/ *NATRIURESIS/ OSMOLAR CONCENTRATION

2222. **Krause DK, Hayduk K, Kaufmann W, et** Altersabhängige Abnahme der Reinkonzentra menschlichen Plasma.
Verh Dtsch Ges Inn Med 78:1644-7, 1972
ADOLESCENCE/ ADULT/ AGE FACTOR AGED/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ INFANT, NEWBORN MIDDLE AGE/ POSTURE/ *RENIN, blo

2223. **Krause EG, Halle W, Wollenberger A:** Ef dibutyryl cyclic GMP on cultured beating ra cells. Adv Cyclic Nucleotide Res 1:301-5
ADENOSINE CYCLIC 3',5' MONOPHOSP pharmacodynamics/ *BUTYRATES, pharmacodynamics/ CELLS, CULTURED *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HEART, physiology/ HEART RATE, dru effects/ HEART VENTRICLE, metabolis *MYOCARDIUM, metabolism/ NUCLEOT pharmacodynamics/ RATS/ TIME FACT

2224. **Krawczuk A, Grześ A, Szamatowicz J, et al:** Zac się aktywności luteotropowej w moczu dzie okresie dojrzewania.
Endokrynol Pol 24:233-40, May-Jun 73
AGE FACTORS/ BREAST, growth & development/ CHILD/ ENGLISH ABSTR

*ESTRADIOL, urine/ FEMALE/ HUMAN/ *PROLACTIN, urine

25. **Krawczykowa Z, Kulig A, Stankiewicz A, et al:** Wytrzeszcz złośliwy obu gałek ocznych. Klin Oczna 43:835-8, Jul 73 (Pol)
ENGLISH ABSTRACT/ *EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, surgery/ FEMALE/ HUMAN/ MIDDLE AGE/ MYOSITIS, diagnosis/ ORBIT, pathology

3. **Kreček J, Nováková V, Stibral K:** Sex differences in the taste preference for a salt solution in the rat. Physiol Behav 8:183-8, Feb 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ APPETITE REGULATION/ CASTRATION/ *DRINKING/ DRINKING BEHAVIOR/ ESTRUS/ FEMALE/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ NEURONS, analysis/ OSMOLAR CONCENTRATION/ RATS/ RNA, analysis/ RNA, metabolism/ SEX FACTORS/ *SODIUM CHLORIDE/ SOLUTIONS/ *TASTE

. **Kreibich H, Köstler H:** Der sogenannte Kryptorchismus aus chirurgischer und andrologischer Sicht. Dtsch Gesundheitsw 28:67-71, 2 Jan 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ FERTILITY/ HUMAN/ MALE

Kreiner PW, Keirns JJ, Bitensky MW: A temperature-sensitive change in the energy of activation of hormone-stimulated hepatic adenylyl cyclase. Proc Natl Acad Sci USA 70:1785-9, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ALCOHOL, PROPYL, pharmacodynamics/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, antagonists & inhibitors/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ GLUCAGON, antagonists & inhibitors/ *GLUCAGON, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ PHOSPHODIESTERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RATS/ TEMPERATURE/ TRITIUM

Kreisler L: Introduction au comportement sexuel de l'adolescent.
Probl Actuels Endocrinol Nutr 16:339-46, 3 May 73 (Fre)
*ADOLESCENCE/ AFFECTIVE DISTURBANCES/ AGE FACTORS/ DEFENSE MECHANISMS/ FEMALE/ HUMAN/ MALE/ NARCISSISM/ PERSONALITY DISORDERS/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ *SEX BEHAVIOR/ *SEX DISORDERS/ SOCIOECONOMIC FACTORS

Kremling H, Wille G: Diagnostisches Vorgehen bei Sterilität der Frau. Med Klin 68:945-6, Jul 73 (Ger)
ADDISON'S DISEASE, complications/ COITUS/ DIABETES MELLITUS, complications/ DRUG ABUSE/ FEMALE/ GYNECOLOGIC DISEASES, complications/ HUMAN/ LABOR COMPLICATIONS/ MENARCHE/ MENSTRUATION DISORDERS, complications/ MENTAL DISORDERS, complications/ METHODS/ MYXEDEMA, complications/ OBESITY, complications/ PREGNANCY/ SMOKING/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ SURGERY, adverse effects/ THYROID DISEASES, complications

rempien B, Geiger G, Ritz E, et al: Osteocytes in chronic uremia. Differential count of osteocytes in human femoral bone.
Virchows Arch [Pathol Anat] 360:1-9, 1973
ADULT/ CELL COUNT/ CHRONIC DISEASE/ FEMALE/ FEMUR, pathology/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPOCALCEMIA, pathology/ KIDNEY FAILURE, CHRONIC, pathology/ MALE/ MIDDLE AGE/ *OSTEOCYTES/ PARATHYROID HORMONE, blood/ *UREMIA, pathology

2232. **Kretzchmar C:** Uber einen neuen Typ boviner Adenoviren. Kurzmitteilung.
Arch Exp Veterinaermed 27:197-201, 1973 (Ger)
*ADENOVIRUS, isolation & purification/ ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, microbiology/ CYTOPATHOGENIC EFFECT, VIRAL/ ENGLISH ABSTRACT/ KIDNEY/ MALE/ NEUTRALIZATION TESTS/ PNEUMONIA, VIRAL, microbiology/ *PNEUMONIA, VIRAL, veterinary/ SEROTYPING/ SPECIES SPECIFICITY/ TESTIS/ TISSUE CULTURE/ VIRUS CULTIVATION

2233. **Kreusser W, Hennemann H, Heidland A:** Speichelelektrolyte und Flussrate in der Diagnostik des Bartter-, Pseudo-Bartter- und Conn-Syndroms.
Verh Dtsch Ges Inn Med 78:1518-22, 1972 (Ger)
ALKALOSIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *ELECTROLYTES, analysis/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERPLASIA/ HYPERTROPHY/ HYPOKALEMIA, diagnosis/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY DISEASES, diagnosis/ *SALIVA, analysis/ SYNDROME

2234. **Krey LC, Everett JW:** Multiple ovarian responses to single estrogen injections early in rat estrous cycles: impaired growth, luteotropic stimulation and advanced ovulation. Endocrinology 93:377-84, Aug 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ *ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEEDBACK/ FEMALE/ *GRAAFIAN FOLLICLE, drug effects/ HYPOPHYSECTOMY/ *OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ TIME FACTORS

2235. **Krey LC, Tyrey L, Everett JW:** The estrogen-induced advance in the cyclic LH surge in the rat: dependency on ovarian progesterone secretion.
Endocrinology 93:385-90, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEEDBACK/ FEMALE/ *LH, blood/ OVARY, physiology/ OVARY, secretion/ OVULATION, drug effects/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, secretion/ RATS/ TIME FACTORS

2236. **Krishnaraj R, Talwar GP:** Role of cyclic AMP in mitogen induced transformation of human peripheral leukocytes. J Immunol 111:1010-7, Oct 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ CELLS, CULTURED/ CHLORPROMAZINE, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ DNA, biosynthesis/ HUMAN/ IMIDAZOLES, pharmacodynamics/ *LEUKOCYTES, immunology/ *MITOGENS, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

2237. **Kříž J, Matýšek P, Beinhauerová D:** Implantation der Eierstöcke in die Gebärmutter.
Zentralbl Gynaekol 95:574-7, 27 Apr 73 (Ger)
ADNEXAL DISEASES, surgery/ ADULT/ FEMALE/ HUMAN/ METHODS/ *OVARY, transplantation/ STERILITY, FEMALE, prevention & control/ TRANSPLANTATION, AUTOLOGOUS/ *UTERUS, surgery

2238. **Krokowski E:** Ist die Behandlung der Altersosteoporose gerechtfertigt.
Med Klin 68:1155-60, 7 Sep 73 (Ger)
ADRENAL CORTEX HORMONES, administration & dosage/ AGE FACTORS/ AGED/ BONE AND BONES, metabolism/ BONE AND BONES, radiography/ CALCINOSIS, chemically induced/ CALCIUM,

metabolism/ ENGLISH ABSTRACT/ FLUORIDES, adverse effects/ *FLUORIDES, therapeutic use/ HUMAN/ HYDROXYAPATITE, metabolism/ LIGAMENTS/ METHODS/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, prevention & control/ SEX FACTORS/ SODIUM/ TENDONS

2239. **Kroll JJ, Einbinder JM, Merz WG:** Mucocutaneous candidiasis in a mother and son.
Arch Dermatol 108:259-62, Aug 73
ADULT/ ANTIBODIES, FUNGAL, analysis/ ANTIGENS, FUNGAL/ *CANDIDA ALBICANS/ CANDIDA ALBICANS, immunology/ CHILD, PRESCHOOL/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYPOTHYROIDISM, complications/ LYMPHOCYTE TRANSFORMATION/ MALE/ MONILIASIS, CUTANEOUS, blood/ MONILIASIS, CUTANEOUS, complications/ *MONILIASIS, CUTANEOUS, familial & genetic/ MONILIASIS, CUTANEOUS, immunology/ MONILIASIS, CUTANEOUS, pathology/ NEUTROPHILS, physiology/ PHAGOCYTOSIS/ PLANT AGGLUTININS, pharmacodynamics/ PRECIPITIN TESTS/ SCALP, pathology

2240. **Kronfeld DS, Hartmann PE:** Glucose redistribution in lactating cows given dexamethasone.
J Dairy Sci 56:903-8, Jul 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CARBON ISOTOPES/ *CATTLE, metabolism/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ GLUCOSE, administration & dosage/ *GLUCOSE, metabolism/ HEMATOCRIT/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ *LACTATION/ PREGNANCY/ REGIONAL BLOOD FLOW/ UDDER/ UDDER, blood supply/ UDDER, metabolism

2241. **Kruyff B de, Greef WJ de, Eyk RV van, et al:** The effect of different fatty acid and sterol composition on the erythritol flux through the cell membrane of Acholeplasma laidlawii.
Biochim Biophys Acta 298:479-99, 16 Mar 73
BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ CELL COUNT/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ CHOLESTEROL, pharmacodynamics/ CHROMATOGRAPHY/ ERGOSTEROL, pharmacodynamics/ *ERYTHRITOL, metabolism/ *FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ GLYCERIN/ *MYCOPLASMA, metabolism/ MYCOPLASMA LAIDLAWII, cytology/ MYCOPLASMA LAIDLAWII, drug effects/ MYCOPLASMA LAIDLAWII, metabolism/ OLEIC ACID/ PALMITIC ACID/ SILICA/ SODIUM CHLORIDE/ SPECTROPHOTOMETRY/ *STEROLS, pharmacodynamics/ STIGMASTEROL, pharmacodynamics/ SUCROSE/ TEMPERATURE/ ULTRAFILTRATION

2242. **Kubiak-Socha E:** Przypadek gośćca przewlekłego postępującego z zajęciem stawów pierścieniowato-nalewkowatych.
Wiad Lek 26:1067-8, 1 Jun 73 **(Pol)**
ADULT/ *ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ INHALATION THERAPY/ *LARYNGEAL CARTILAGES

2243. **Kubicz S, Musialowicz T:** Stosowanie osłon u dzieci w świetle pomiarów dozymetrycznych.
Pol Przegl Radiol 37:411-20, May-Jun 73 **(Pol)**
AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ *GONADS, radiation effects/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ RADIATION EFFECTS/ *RADIATION PROTECTION, instrumentation/ *RADIOGRAPHY, instrumentation/ RADIOMETRY/ SEX FACTORS/ *THYROID GLAND, radiation effects

2244. **Kubo A, Kinoshita F:** [Thyroid scintigram. 4. Met: of thyroid cancer]
Jap J Clin Radiol 48:597-8, Aug 73
CHILD/ HUMAN/ IODINE ISOTOPES/ LYMPHATIC METASTASIS, diagnosis/ M *NEOPLASM METASTASIS, diagnosis/ *RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS

2245. **Kubo M, Nishida M, Yamazaki T:** [Mediastinos diseases of the lung and mediastinum, with reference to the examination method and its r
J Otolaryngol Jap 76:211-9, Feb 73
ADOLESCENCE/ ADULT/ AGED/ *ENDOSCOPY/ FEMALE/ GOITER, diagn HUMAN/ *LUNG DISEASES, diagnosis/ MALE/ *MEDIASTINAL DISEASES, diag *MEDIASTINUM/ MIDDLE AGE/ SARCOIDOSIS, diagnosis/ THYMUS NEOPLASMS, diagnosis

2246. **Kuboshima K, Obara K, Nina M, et al:** [Hormo metabolic studies in a case of athyreoti hypothyroidism with secondary hypoactivi deiodinase]
J Jap Soc Intern Med 62:280-6, Mar 73
ADULT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, enzymology/ *HYPOTHYROIDISM, metabolism/ INSUI blood/ IODIDES/ IODOTYROSINE/ *PEROXIDASES, metabolism/ *THYROID HORMONES, metabolism

2247. **Kubota C, Umegaki K, Morita T, et al:** [Evalu the rapid ACTH test and blood cortisol determ by fluorescence method in hepatobiliary di
Jap J Clin Pathol 21:189-94, Feb 73
*BILIARY TRACT DISEASES, diagnosis/ CHOLESTASIS, diagnosis/ *CORTICOTR diagnostic use/ EVALUATION STUDIES FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ *LIVER DISEASES, diagnosis

2248. **Kucharska K, Szmigiel C, Sancewicz-Pach K:** przytarczyc na przemianę wapniowo-fosfo dziedzicznej hipofosfatemii.
Pediatr Pol 48:875-9, Jul 73
*CALCIUM, metabolism/ CHILD, PRESC HUMAN/ *HYPOPHOSPHATEMIA, FAM metabolism/ HYPOPHOSPHATEMIA, FAMILIAL, physiopathology/ MALE/ PARATHYROID GLANDS, metabolism/ *PARATHYROID GLANDS, physiopathol *PHOSPHATES, metabolism

2249. **Kuczyńska-Sicińska J, Liebhart M:** Stan przedrzucawkowy a zmiany morfologiczne
Ginekol Pol 44:657-64, Jun 73
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LABO PREMATURE/ MIDDLE AGE/ PARITY, *PLACENTA/ PLACENTA DISORDERS/ PREGNANCY/ *PREGNANCY TOXEMI

2250. **Kudo S, Funyu T, Shiraiwa Y, et al:** Metab adrenocortical hormone in surgical stre
Tohoku J Exp Med 110:139-48, Jun 73
*ADRENAL CORTEX HORMONES, met ADULT/ AGED/ CHROMATOGRAPHY, LAYER/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine MALE/ MIDDLE AGE/ *STRESS, meta *SURGERY, OPERATIVE

2251. **Kudriashov BA, Lomovskaia EG, Shapiro F** Vliianie adrenalektomii i vvedeniia kortiko na fibrinoliticheskuiu aktivnost' komple soedinenii geparina v krovi pri immobil
Fiziol Zh SSSR 59:1108-13, Jul 73
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT EPINEPHRINE, blood/ FEMALE/ FIBRINOGEN, metabolism/ FIBRINOLY metabolism/ *FIBRINOLYSIS/ *HEPAR blood/ HYDROCORTISONE, pharmacod IMMOBILIZATION/ PLASMINOGEN, metabolism/ RATS

Kuehl FA Jr, Humes JL, Cirillo VJ, et al: Cyclic AMP and prostaglandins in hormone action.
Adv Cyclic Nucleotide Res 1:493-502, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CORPUS LUTEUM, drug effects/ FEMALE/ HYPOPHYSECTOMY/ IN VITRO/ KINETICS/ LH, pharmacodynamics/ MACACA/ MALE/ MICE/ ORGAN SPECIFICITY/ OVARY, drug effects/ OVARY, metabolism/ PITUITARY GLAND, physiology/ PREGNANCY/ PROGESTERONE, biosynthesis/ PROSTAGLANDINS/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ SPECIES SPECIFICITY

uhl H, Taubert HD: A new class of long-acting normonal steroid preparation: synthesis of oligomeric estradiol derivatives. Steroids 22:73-87, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ESTERS, chem synthesis/ ESTRADIOL, administration & dosage/ *ESTRADIOL, chem synthesis/ ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ EVALUATION STUDIES/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MASS SPECTRUM ANALYSIS/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ RATS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUCCINATES, pharmacodynamics/ TEMPERATURE/ TIME FACTORS/ UNDECYLENIC ACID, pharmacodynamics

blencordt F: Natriumfluorid bei Altersosteoporose. tsch Med Wochenschr 98:1241, 15 Jun 72 (Ger)
AGED/ *FLUORIDES, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy/ SODIUM, therapeutic use

n ER, De Ryck L, Wuytack FC: Influence of large ses of oxytocin on milk ejection and metabolic rate rat mammary gland. J Dairy Sci 56:864-8, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ FEMALE/ GLUCOSE, analysis/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LACTATION, drug effects/ LACTOSE, analysis/ MAMMAE, analysis/ MAMMAE, drug effects/ *MAMMAE, metabolism/ MAMMAE, secretion/ MILK/ *MILK, secretion/ OXYGEN CONSUMPTION/ OXYTOCIN, administration & dosage/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PRESSURE/ PROLACTIN, dministration & dosage/ PROLACTIN, harmacodynamics/ RATS/ WEANING

ard RF, Freeman M: Diagnostic ultrasound at oote Schuur Hospital. A review of 1000 new cases. Afr Med J 47:1285-90, 28 Jul 73
EMALE/ FETAL DEATH, diagnosis/ *FETAL ISEASES, diagnosis/ GESTATIONAL AGE/ GYNECOLOGIC DISEASES, diagnosis/ YNECOLOGIC NEOPLASMS, diagnosis/ UMAN/ HYDATIDIFORM MOLE, diagnosis/ ABOR PRESENTATION/ OVARIAN CYSTS, iagnosis/ PALPATION/ PLACENTA ISORDERS, diagnosis/ PLACENTA PRAEVIA, iagnosis/ PREGNANCY/ *PREGNANCY OMPLICATIONS, diagnosis/ PREGNANCY, CTOPIC, diagnosis/ PREGNANCY, ULTIPLE/ TWINS/ *ULTRASONICS, agnostic use

s VG, Men'shikov VV, Sivkov II: Funktsional'noe olanie renin-gipertenzin-al'dosteronovoi sistemy ol'nykh s khronicheskoĭ nedostatochnost'iu oobrashchenila.
Med (Mosk) 50:109-14, Nov 72 (Rus)
LDOSTERONE, physiology/ *ANGIOTENSIN, ysiology/ *BLOOD CIRCULATION/ HRONIC DISEASE/ ENGLISH ABSTRACT/ EMODYNAMICS/ HUMAN/ *RENIN, ysiology/ WATER-ELECTROLYTE BALANCE

etz WR, Pöch G, Wurm A: Effect of cholamines, histamine and oxyfedrine on isotonic contraction and cyclic AMP in the guinea-pig heart. Naunyn Schmiedebergs Arch Pharmacol 278:403-24, 26 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ DRUG ANTAGONISM/ DRUG SYNERGISM/ GUINEA PIGS/ HEART, drug effects/ *HEART, physiology/ *HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MYOCARDIUM, analysis/ *NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ *PROPIOPHENONES, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

2259. Kukovetz WR, Pöch G: The positive inotropic effect of cyclic AMP.
Adv Cyclic Nucleotide Res 1:261-90, 1972 (107 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CAFFEINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GUINEA PIGS/ HEART, drug effects/ *HEART, physiology/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MODELS, BIOLOGICAL/ *MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PHOSPHODIESTERASES, antagonists & inhibitors/ RATS/ REVIEW/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

2260. Kuku SB, Akinyanju PA: Fasting serum lipids and serum lipoprotein distribution during oral contraceptive therapy in Nigerians.
J Obstet Gynaecol Br Commonw 80:750-3, Aug 73
CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTERS, blood/ ESTRADIOL, administration & dosage/ FASTING/ FEMALE/ HUMAN/ HYPERLIPEMIA, chemically induced/ *LIPIDS, blood/ *LIPOPROTEINS, blood/ MESTRANOL, administration & dosage/ NIGERIA/ NORETHINDRONE, administration & dosage/ NORGESTREL, administration & dosage/ TIME FACTORS/ TRIGLYCERIDES, blood

2261. Kulkarni AS, Rahwan RG, Bocknik SE: Muricidal block induced by 5-hydroxytryptophan in the rat.
Arch Int Pharmacodyn Ther 201:308-13, Feb 73
*AGGRESSION, drug effects/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ CARBOXY-LYASES, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYTRYPTOPHAN, administration & dosage/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ MALE/ MICE/ RATS/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ SOCIAL BEHAVIOR, drug effects

2262. Kulshreshtha A, Dominic CJ: Gonadectomy-induced histological changes in the hypothalamic neurosecretory system of the musk shrew, Suncus murinus L.
Ann Endocrinol (Paris) 34:17-23, Jan-Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ MALE/ NEURONS/ *OVARY, physiology/ *SHREWS, physiology/ *TESTIS, physiology/ TIME FACTORS

2263. Kun L, Bösze P: Die Bedeutung der Ultraschalluntersuchung für die Diagnosestellung des polyzystischen Ovars.
Geburtshilfe Frauenheilkd 33:452-4, Jun 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *OVARIAN CYSTS, diagnosis/

*STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, surgery/ *ULTRASONICS, diagnostic use

2264. **Kuntz D, Ryckewaert A:** L'ostéoporose commune. A propos du traitement par la calcitonine. Nouv Presse Med 2:1862, 7 Jul 73 **(Fre)**
BIOPSY/ BONE RESORPTION/ HUMAN/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, pathology/ *THYROCALCITONIN, therapeutic use

2265. **Kunugi A, Matsumoto U, Aizawa Y, et al:** Microdetermination of adrenocortical steroids by double isotope method. I. Determination of cortisol and corticosterone in blood as thiosemicarbazone-35S. Chem Pharm Bull (Tokyo) 21:503-10, Mar 73
*CORTICOSTERONE, blood/ *HYDROCORTISONE, blood/ MICROCHEMISTRY/ SULFUR ISOTOPES/ *THIOSEMICARBAZONES, blood/ TRITIUM

2266. **Kunugi A, Matsumoto U, Nagase Y:** Microdetermination of adrenocortical steroids by double isotope method (II). Fractional determination of corticosteroids: free and protein-bound cortisol, corticosterone in plasma.
Endocrinol Jap 20:23-31, Feb 73
ALDOSTERONE, blood/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *CORTICOSTERONE, blood/ CORTISONE, blood/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ RADIOISOTOPE DILUTION TECHNIC/ SULFUR ISOTOPES/ THIOSEMICARBAZONES/ TRITIUM

2267. **Kunze S, Klinger M, Schiefer W:** Central ventriculography with Dimer-X.
Acta Neurochir (Wien) 28:41-63, 1973
ADIPIC ACID/ ANIMAL EXPERIMENTS/ CATS/ CEREBELLAR NEOPLASMS, radiography/ CEREBRAL VENTRICLE NEOPLASMS, radiography/ CONTRAST MEDIA, adverse effects/ CONVULSIONS, chemically induced/ *EPENDYMA, drug effects/ EVALUATION STUDIES/ HEADACHE, chemically induced/ HUMAN/ *IOTHALAMIC ACID/ LEUKOCYTES/ LYMPHOCYTES/ MENINGES, drug effects/ METHODS/ NAUSEA, chemically induced/ PITUITARY NEOPLASMS, radiography/ *SORBITOL/ STEREOTAXIC TECHNICS/ *VENTRICULOGRAPHY

2268. **Kupirvki FP:** Lipolysis and reesterification: effects of some inhibitors of adenosine 3',5'-cyclic monophosphate phosphodiesterase.
J Lipid Res 14:250-4, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ DRUG SYNERGISM/ EPIDIDYMIS/ EPINEPHRINE, pharmacodynamics/ ESTERS, metabolism/ ETHERS, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ LIPIDS, biosynthesis/ *LIPIDS, metabolism/ MALE/ MUSTARD COMPOUNDS, pharmacodynamics/ NITRILES, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PYRAZINES, pharmacodynamics/ PYRROLES, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRIAZINES, pharmacodynamics

2269. **Kupka K, Landfeldová I:** Radioizotopové in vitro testy pro vyšetření funkce štítné žlázy.
Vnitr Lek 19:676-82, Jul 73 **(Cze)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ IN VITRO/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ THYROID DISEASES, diagnosis/ THYROID DISEASES, physiopathology/ *THYROID GLAND FUNCTION TESTS

2270. **Kurahashi M:** [Effects of thyroid hormones and alpha, beta-blockers on catecholamine-induced calorigenesis, lipolysis and glycogenolysis]
Folia Pharmacol Jap 69:41-5, Jan 73
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIM EXPERIMENTS/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ *GLYCOGEN, metabolism/ KINETICS/ *L MOBILIZATION, drug effects/ LIVER, d effects/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ MUSCL drug effects/ MUSCLES, metabolism/ OXYGEN CONSUMPTION/ PHENTOLAM pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ TEMPERATU *THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

2271. **Kurahashi M:** [Studies on non-shivering thermogenesis]
J Physiol Soc Jap 35:65-76, Feb 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CALCIUM, pharmacodyna COLD/ DOSE-RESPONSE RELATIONSHI DRUG/ ENGLISH ABSTRACT/ MALE/ *MUSCLES, metabolism/ NOREPINEPHR pharmacodynamics/ *OXYGEN CONSUMP POTASSIUM, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ THYROIDECTOMY/ THYROXINE, pharmacodynamics

2272. **Kurata N, Toribe H, Okusu T, et al:** A problem bioassay of exophthalmos-producing activit goldfish. Osaka City Med J 18:37-50, 19
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CYPRINIDAE/ *EXOPHTHALM blood/ HUMAN

2273. **Kurobe Y, Hashimoto Y, Ouchi T:** [Estimation of serum dopamine-beta-hydroxylase activity]
Folia Endocrinol Jap 49:769-74, 20 May 7
CHILD/ CHILD, PRESCHOOL/ CIRCADI RHYTHM/ *DOPAMINE BETA HYDROXYLASE, blood/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MIDDLE AG PHEOCHROMOCYTOMA, blood/ PHEOCHROMOCYTOMA, enzymology/ TEMPERATURE

2274. **Kusakabe T:** A goitrous subject with de synthesis of diiodotyrosine due to thyro abnormalities.
J Clin Endocrinol Metab 37:317-25, Aug
AMMONIUM SULFATE/ CATALASE/ CYTOCHROME REDUCTASES/ *DIIODOTYROSINE, biosynthesis/ ELECTROPHORESIS/ FEMALE/ GEL DIFFUSION TESTS/ *GOITER, metaboli HUMAN/ IMMUNE SERUMS/ IN VITR *IODINE, metabolism/ IODINE ISOTOP IODOTYROSINE/ MICROSOMES, metab MIDDLE AGE/ PEROXIDASES/ PRECIPITATION/ THIOCYANATES, dia use/ *THYROGLOBULIN/ THYROID GI cytology/ THYROID GLAND, enzymolog *THYROID GLAND, metabolism/ ULTRACENTRIFUGATION

2275. **Kuschinsky K, Seidel G, Reetz E, et al:** The pentobarbital on brain 5-HT metabolism
Experientia 29:826-7, 1973
ANIMAL EXPERIMENTS/ *BRAIN, dru effects/ CARBON ISOTOPES/ CEREBE drug effects/ CEREBELLUM, metabolis CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ MA MICE/ *PENTOBARBITAL, pharmacody SEROTONIN, biosynthesis/ *SEROTONI metabolism

2276. **Kuss E, Fernbacher S, Sies H:** Metabolism of es isolated perfused rat liver.
Acta Endocrinol [Suppl] (Kbh) 173:1,
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAP

ELECTROPHORESIS/ *ESTRADIOL, metabolism/ GEL FILTRATION/ HYDROLYSIS/ HYDROXYLATION/ *LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ PHENOBARBITAL, pharmacodynamics/ RATS

7. **Kutner SJ:** A test for fear of pregnancy and its relation to oral contraceptives. J Psychiatr Res 9:337-44, Dec 72
ADULT/ *CONTRACEPTIVES, ORAL/ DEPRESSION, etiology/ *FEAR/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ MIDDLE AGE/ *PREGNANCY/ *PSYCHOLOGICAL TESTS

8. **Kutter D:** Prophylaxe des Cortison--Ulkus mit Antacida.
Dtsch Med Wochenschr 98:1583, 24 Aug 73 (Ger)
ALUMINUM HYDROXIDE GEL, therapeutic use/ *ANTACIDS, therapeutic use/ *CORTISONE, adverse effects/ HUMAN/ PEPTIC ULCER, chemically induced/ *PEPTIC ULCER, prevention & control/ TIME FACTORS

9. **Kuzin MI, Bol'shakova TD, Efimova NV, et al:** Sostoianie adaptatsionnykh sistem organizma v usloviiakh operatsii pod neiroleptanal'geziei.
Khirurgiia (Mosk) 48:63-70, Aug 72 (Rus)
ADULT/ *CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ *FENTANYL/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ MIDDLE AGE/ *NEUROLEPTOANALGESIA/ *SURGERY, OPERATIVE

10. **Kuz'mak NI:** Vliianie tireoidnykh gormonov i tireostatikov na uroven' sialovykh kislot v syvorotke krovikrys. Fiziol Zh SSSR 59:1114-21, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MALE/ METHYLTHIOURACIL/ *NEURAMINIC ACIDS, blood/ RATS/ *THYROID ANTAGONISTS/ *THYROID HORMONES/ THYROIDECTOMY/ THYROXINE/ TRIIODOTHYRONINE

Kytömäki O, Nousiainen R, Pekkarinen A, et al: Plasma growth hormone and insulin response to levodopa and amantadine. J Neural Transm 34:145-51, 1973
ADMINISTRATION, ORAL/ AMANTADINE, administration & dosage/ *AMANTADINE, therapeutic use/ *BLOOD SUGAR, analysis/ DOPA, administration & dosage/ *DOPA, therapeutic use/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ MALE/ MIDDLE AGE/ PARKINSONISM, blood/ *PARKINSONISM, drug therapy/ PITUITARY GLAND, secretion/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

L

Labhsetwar AP: Prostaglandin E2: evidence for luteolytic effects. Prostaglandins 2:23-31, Jul 72
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ FEMALE/ *FERTILITY, drug effects/ HAMSTERS/ INJECTIONS, SUBCUTANEOUS/ ISOMERISM/ OVARY, drug effects/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ RATS/ VAGINAL SMEARS

Labhsetwar AP: Effects of prostaglandins E1, E2 and F2 on zygote transport in rats: induction of delayed implantation. Prostaglandins 4:115-25, Jul 73
ANIMAL EXPERIMENTS/ CELL MOVEMENT, drug effects/ DEPRESSION, CHEMICAL/ *FALLOPIAN TUBES, drug effects/ FEMALE/ FERTILIZATION, drug effects/ INJECTIONS, SUBCUTANEOUS/ *NIDATION, drug effects/ *OVUM, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ TIME FACTORS

2284. **Labhsetwar AP:** Do prostaglandins stimulate LH release and thereby cause luteolysis?
Prostaglandins 3:729-32, May 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ FEMALE/ INJECTIONS/ *LH, biosynthesis/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL

2285. **Labrie F, Gauthier M, Pelletier G, et al:** Role of microtubules in basal and stimulated release of growth hormone and prolactin in rat adenohypophysis in vitro. Endocrinology 93:903-14, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ DEUTERIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ IN VITRO/ MICROSCOPY, ELECTRON/ MICROTUBULES, drug effects/ *MICROTUBULES, physiology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROLACTIN, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RATS/ *SOMATOTROPIN, metabolism/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, pharmacodynamics

2286. **La Cauza C, Nicòtina PA, Calzolari C:** La sindrome di Sotos (gigantismo cerebrale)--contributo clinico.
Minerva Pediatr 25:791-804, 19 May 73 (Ita)
*ABNORMALITIES, MULTIPLE, diagnosis/ *ACROMEGALY, diagnosis/ *BRAIN DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, diagnosis/ HUMAN/ INFANT/ MENTAL RETARDATION/ SYNDROME

2287. **Lacaze J:** Dysembryome bilatéral du testicule.
J Urol Nephrol (Paris) 19:310-1, Mar 73 (Fre)
ADULT/ CASTRATION/ *DYSEMBRYOMA/ DYSEMBRYOMA, surgery/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, surgery

2288. **Lacey KA, Hewison A, Parkin JM:** Exercise as a screening test for growth hormone deficiency in children. Arch Dis Child 48:508-12, Jul 73
CHILD/ DWARFISM, PITUITARY, blood/ *DWARFISM, PITUITARY, diagnosis/ *EXERTION/ HUMAN/ INSULIN, diagnostic use/ MEAT/ METHODS/ *SOMATOTROPIN, blood

2289. **Lachmajer M, Dziedzic-Witkowska T:** Przyczyny nagłych zgonów niemowlat.
Pol Tyg Lek 28:1122-5, 16 Jul 73 (29 ref.) (Pol)
ADRENAL GLAND HYPOFUNCTION, complications/ AGAMMAGLOBULINEMIA, complications/ AGE FACTORS/ ASPHYXIA, complications/ BACTERIAL INFECTIONS, complications/ *DEATH, SUDDEN/ HUMAN/ HYPERSENSITIVITY, complications/ INFANT, NEWBORN/ METABOLISM, INBORN ERRORS, complications/ PROTEINS/ REVIEW/ SYNDROME/ VIRUS DISEASES, complications

2290. **Lachman R, Crocker A, Schulman J, et al:** Radiological findings in Niemann-Pick disease.
Radiology 108:659-64, Sep 73
ADOLESCENCE/ AGE FACTORS/ ALBINISM, complications/ BONE AND BONES, radiography/ BONE MARROW, radiography/ CALCINOSIS, radiography/ CHILD/ CHILD, PRESCHOOL/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIARRHEA, complications/ FEMALE/ GAUCHER'S DISEASE, diagnosis/ HEPATOMEGALY, radiography/ HUMAN/ INFANT/ LUNG, pathology/ LUNG, radiography/ MALE/ METACARPUS, radiography/ NIEMANN-PICK

DISEASE, complications/ NIEMANN-PICK DISEASE, mortality/ *NIEMANN-PICK DISEASE, radiography/ PHENOTYPE/ SPLENOMEGALY, radiography

2291. **Lackner H, Javid JP:** The clinical significance of the plasminogen level. Am J Clin Pathol 60:175-81, Aug 73
ADOLESCENCE/ ADULT/ AFIBRINOGENEMIA, blood/ AFIBRINOGENEMIA, congenital/ BLOOD COAGULATION TESTS/ CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ DISSEMINATED INTRAVASCULAR COAGULATION, blood/ FEMALE/ FIBRINOGEN, analysis/ *HEMORRHAGIC DIATHESIS, blood/ HUMAN/ INFECTION, blood/ LIVER CIRRHOSIS, blood/ MALE/ MENSTRUATION/ MIDDLE AGE/ MYOCARDIAL INFARCT, blood/ NEOPLASMS, blood/ *PLASMINOGEN/ SEX FACTORS/ SURGERY, OPERATIVE, adverse effects/ *THROMBOSIS, blood/ WOUNDS AND INJURIES, blood

2292. **(Lacroix P), Amprino R:** Problèmes anciens et récents de l'histophysiologie du squelette dans l'oeuvre scientifique de Pierre Lacroix.
Acta Orthop Belg 39:379-92, Mar-Apr 73 **(Fre)**
BELGIUM/ BIOMECHANICS/ BONE AND BONES, anatomy & histology/ BONE AND BONES, physiology/ CURRENT BIOG-OBIT/ FRANCE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ *ORTHOPEDICS, history/ *SKELETON

2293. **Lacy D, Collins P:** Hormones and contraception in the male and the relative merits of hormonal control and vasectomy. J Reprod Fertil [Suppl] 18:185-98, Jul 73
ADMINISTRATION, ORAL/ ANABOLIC STEROIDS, administration & dosage/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ *CONTRACEPTION/ EPIDIDYMIS/ ETHINYL ESTRADIOL, administration & dosage/ GRANULOMA/ MALE/ NORETHINDRONE, administration & dosage/ ORGAN WEIGHT/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ *SEX HORMONES, pharmacodynamics/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ TESTOSTERONE, biosynthesis/ TRITIUM/ VAS DEFERENS/ *VASECTOMY/ VASECTOMY, adverse effects

2294. **Ladero Quesada JM, Prieto Valtueña J, Arroyo García J, et al:** La depuración del cortisol en la corticoterapia prolongada.
Rev Clin Esp 129:357-62, 31 May 73 **(Spa)**
ARTHRITIS, RHEUMATOID, drug therapy/ BRONCHIAL DISEASES, drug therapy/ CORTISONE, administration & dosage/ CORTISONE, metabolism/ *CORTISONE, therapeutic use/ DELAYED-ACTION PREPARATIONS/ ENGLISH ABSTRACT/ HALF-LIFE/ HUMAN/ *HYDROCORTISONE, metabolism/ INJECTIONS, INTRAVENOUS/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ TIME FACTORS

2295. **Ladinskaya LA, Parfenov YD, Popov DK, et al:** 210Pb and 210Po content in air, water, foodstuffs, and the human body. Arch Environ Health 27:254-8, Oct 73
*AIR POLLUTION, RADIOACTIVE, analysis/ BODY BURDEN/ BONE AND BONES, analysis/ DIET/ ENVIRONMENTAL EXPOSURE/ FECES, analysis/ FEMALE/ FISH PRODUCTS, analysis/ *FOOD CONTAMINATION, RADIOACTIVE, analysis/ HAIR, analysis/ HUMAN/ KIDNEY, analysis/ *LEAD, analysis/ LEAD, urine/ LIVER, analysis/ MALE/ MILK, analysis/ *POLONIUM, analysis/ POLONIUM, urine/ RADIATION DOSAGE/ *RADIOISOTOPES, analysis/ RADIOISOTOPES, urine/ USSR/ *WATER POLLUTION, RADIOACTIVE, analysis/ WATER SUPPLY

2296. **Ladygin E, Bablok L, Marianowski L:** Powikłania leczenia niepłodności gonadotropiną.
Ginekol Pol 43:491-6, Apr 72 **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MENOTROPINS, adverse effects/ MENOTROPINS, therapeutic use/ OVARIAN DISEASES, chemically induced/ *STERILIT FEMALE, drug therapy

2297. **Lafuenti G, Serra GB, Palla GP:** Pituitary respons gonadotropin-releasing hormone (Gn-RH) stimulation in normal subjects.
Folia Endocrinol (Roma) 26:180-8, Jun 73
ADULT/ FEMALE/ FSH, blood/ FSH, physiology/ FSH, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, INTRAVENOUS LH, blood/ LH, physiology/ LH, secretion/ MALE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASI FACTORS, pharmacodynamics/ STIMULATI CHEMICAL

2298. **Lage AL:** Nephrogenic diabetes insipidus in a
J Am Vet Med Assoc 163:251-3, 1 Aug 7
ANIMAL EXPERIMENTS/ BLOOD PROTEI analysis/ DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, veterinary/ DIAGNOSIS, DIFFERENTIAL/ *DOG DISEASES, diagnosis/ DOG DISEASES, dru therapy/ DOGS/ HYDROCHLOROTHIAZIDE therapeutic use/ KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, drug thera *KIDNEY DISEASES, veterinary/ LEUKOC COUNT/ MALE/ OSMOLAR CONCENTRATION/ PHENOLPHTHALEINS, diagnostic use/ POLYURIA, veterinary/ SPECIFIC GRAVITY/ THIRST/ URINE, analysis/ VASOPRESSIN, diagnostic use

2299. **Lagerspetz KY, Koprowski H, Darnell M, e** Thermoregulation in group B arbovirus-resistan group B arbovirus-susceptible mice.
Am J Physiol 225:532-7, Sep 73
AMANTADINE, pharmacodynamics/ ANIMA EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ *ARBOVIRUS INFECTIONS, physiopathology/ BODY TEMPERATURE/ BODY TEMPERATURE, effects/ *BODY TEMPERATURE REGULATION/ DOPAMINE, pharmacodynamics/ FEMALE/ GENOTYPE, MALE/ MICE/ MICE, INBRED C3H/ NOREPINEPHRINE, pharmacodynamics/ OXYGEN CONSUMPTION/ SEROTONIN, pharmacodynamics/ TEMPERATURE

2300. **Láhoda F:** Differentialdiagnose der Skelettmuskelerkrankungen.
Munch Med Wochenschr 115:1089-97, 8 Jun 73
BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ MICROSCOPY, ELECTRON/ MUSCULAR DISEASES, complications/ *MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, enzym MUSCULAR DISEASES, pathology/ MUSCULAR DYSTROPHY, diagnosis/ MYASTHENIA GRAVIS, diagnosis/ MYOGLOBINURIA, complications/ MYOSI diagnosis/ PARALYSIS, diagnosis/ THYRO DISEASES, complications

2301. **Laitev PI, Karaletian IS:** Primenenie tirokal'tsito kompleksnom lechenii khronicheskogo osteom nizhneĭ cheliusti.
Stomatologiia (Mosk) 52:41-3, Sep-Oct 73
CHRONIC DISEASE/ HUMAN/ *MANDIBU DISEASES, drug therapy/ *OSTEOMYELI drug therapy/ *THYROCALCITONIN, therapeutic use

2302. **Lajos L, Vereczkey G, Szabó T, et al:** A placento (PCTH) excretio dinamikája a szülés alat
Orv Hetil 114:1672-4, Jul 73
*GONADOTROPINS, CHORIONIC, secretio *LABOR/ *PITUITARY HORMONES, ANTERIOR, secretion/ PLACENTA, secre PREGNANCY/ SECRETORY RATE

2308. **Lake N, Yarbrough GG, Phillis JW:** Effects of ethanol on cerebral cortical neurons: interactions with some putative transmitters.
J Pharm Pharmacol 25:582-4, Jul 73
ACETYLCHOLINE, antagonists & inhibitors/ ACTION POTENTIALS, drug effects/ *ALCOHOL, ETHYL, pharmacodynamics/ AMINOBUTYRIC ACID, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, drug effects/ DEPRESSION, CHEMICAL/ MALE/ *NEURAL TRANSMISSION, drug effects/ NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics

Lalley PM, Rossi GV, Baker WW: Tremor induction by intracaudate injections of bretylium, tetrabenazine, or mescaline: functional deficits in caudate dopamine.
J Pharm Sci 62:1302-7, Aug 73
ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRETYLIUM COMPOUNDS/ BRETYLIUM COMPOUNDS, antagonists & inhibitors/ CATS/ *CAUDATE NUCLEUS, metabolism/ *DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ ELECTRODES, IMPLANTED/ EPINEPHRINE, pharmacodynamics/ HEMICHOLINIUM 3, pharmacodynamics/ MALE/ *MESCALINE/ MESCALINE, antagonists & inhibitors/ MICROINJECTIONS/ SCOPOLAMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STEREOTAXIC TECHNICS/ *TETRABENAZINE/ TETRABENAZINE, antagonists & inhibitors/ TIME FACTORS/ *TREMOR, chemically induced/ TREMOR, metabolism

Lam P, Rothchild I: Absence of the luteolytic effect of prolactin in the pregnant rat after hypophysectomy and hysterectomy on day 12.
J Endocrinol 56:609-10, Mar 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ FEMALE/ *HYPOPHYSECTOMY/ *HYSTERECTOMY/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, pharmacodynamics/ PSEUDOPREGNANCY/ RATS/ TIME FACTORS

Lambert JD: The effect of drugs on identified neurones in the suboesophageal ganglia of Helix aspersa.
J Physiol (Lond) 232:64P-65P, Jul 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ GANGLIA, cytology/ IN VITRO/ IONTOPHORESIS/ *NEURONS, drug effects/ RECEPTORS, DRUG/ SEROTONIN, pharmacodynamics/ *SNAILS, physiology

Lambertenghi-Deliliers G, Ranzi T, Pozzoli E, et al: La tiroidite di Hashimoto: studio ultrastrutturale.
Folia Endocrinol (Roma) 26:229-40, Jun 73 (Ita)
ANTIBODIES/ BIOPSY/ CASE REPORT/ COMPLEMENT/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ RADIOIMMUNOASSAY/ SYNDROME/ THYROIDITIS, LYMPHOMATOUS, immunology/ *THYROIDITIS, LYMPHOMATOUS, pathology

Lambotte L: Use of hepatic cell membrane potential measurement to evaluate new method of liver preservation. Surgery 74:509-18, Oct 73
ACID PHOSPHATASE, blood/ ALANINE AMINOTRANSFERASE, blood/ ANIMAL EXPERIMENTS/ ANOXIA/ ASPARTATE AMINOTRANSFERASE, blood/ CELL MEMBRANE/ CELL MEMBRANE PERMEABILITY/ CHLORPROMAZINE, pharmacodynamics/ COLD/ COMPUTERS, DIGITAL/ DOGS/ ISCHEMIA/ ISOPROTERENOL, pharmacodynamics/ LIVER, blood supply/ *LIVER, cytology/ *MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ METHYLPREDNISOLONE, pharmacodynamics/ MICROELECTRODES/ OXYGEN/ PERFUSION/ POTASSIUM, blood/ TIME FACTORS/ *TISSUE PRESERVATION/ TISSUE SURVIVAL/ TROMETHAMINE, pharmacodynamics

2309. **Lambotte R:** Continuation et surveillance de la contraception. Rev Med Liege 28:378-82, 1 Jun 73 (Fre)
*CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ PSYCHOLOGY

2310. **Lamond DR, Drost M:** The counter-current transfer of prostaglandin in the ewe.
Prostaglandins 3:691-702, May 73
ANIMAL EXPERIMENTS/ *ARTERIES, physiology/ ARTERIOVENOUS ANASTOMOSIS/ *CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ *OVARY, blood supply/ *OVULATION/ PROGESTERONE, blood/ PROSTAGLANDINS, blood/ REGIONAL BLOOD FLOW/ SHEEP/ UTERUS, blood supply/ *VEINS, physiology

2311. **Lamond DR, Tomlinson RV, Drost M, et al:** Studies of prostaglandin F2 in the cow.
Prostaglandins 4:269-84, Aug 73
*ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CATHETERIZATION/ CATTLE/ CESAREAN SECTION/ CORPUS LUTEUM, drug effects/ *ESTROGENS, blood/ *ESTRUS, drug effects/ FEMALE/ OVARY, blood supply/ PREGNANCY/ *PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ TIME FACTORS

2312. **Lamy J, Aron E, Martin JC, et al:** Hyperhaptoglobinemie des alcooliques chroniques.
Clin Chim Acta 46:257-60, 14 Jul 73 (Fre)
*ALCOHOLISM, blood/ ALCOHOLISM, complications/ ALCOHOLISM, drug therapy/ ALCOHOLISM, therapy/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ *BLOOD PROTEIN DISORDERS, blood/ BLOOD PROTEIN DISORDERS, complications/ CHRONIC DISEASE/ CORONARY DISEASE, etiology/ DOXYCYCLINE, pharmacodynamics/ DOXYCYCLINE, therapeutic use/ ENGLISH ABSTRACT/ *HAPTOGLOBINS, metabolism/ HUMAN/ LIVER CIRRHOSIS, blood/ LIVER CIRRHOSIS, complications/ PHENOTYPE/ PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use/ TIME FACTORS

2313. **Land RB, Pelletier J, Thimonier J, et al:** A quantitative study of genetic differences in the incidence of oestrus, ovulation and plasma luteinizing hormone concentration in the sheep.
J Endocrinol 58:305-17, Aug 73
ANIMAL EXPERIMENTS/ BREEDING/ CORPUS LUTEUM/ *ESTRUS/ FEMALE/ *GENETICS/ *LH, blood/ *OVULATION/ PUBERTY/ RADIOIMMUNOASSAY/ SEASONS/ *SHEEP, physiology/ TIME FACTORS

2314. **Landau H, Freier S, Spitz I, et al:** Thyroid function tests in the first year of life. Isr J Med Sci 9:929-31, Jul 73
ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ INFANT, NEWBORN/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism

2315. **Landysheva IV, Katiukhin VN:** Izmeneniia gemodinamiki u bol'nykh khronicheskoĭ pnevmonieĭ i legochnym serdtsem pod vlianiem ingaliatsiĭ prednizolona i benzogeksoniia.
Kardiologiia 13:120-5, 1973 (Rus)
BLOOD CIRCULATION TIME, drug effects/ BLOOD FLOW VELOCITY/ BLOOD VOLUME, drug effects/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *GANGLIONIC BLOCKADERS, administration & dosage/ GANGLIONIC BLOCKADERS,

pharmacodynamics/ GANGLIONIC BLOCKADERS, therapeutic use/ *HEMODYNAMICS, drug effects/ *HEXAMETHONIUM COMPOUNDS, administration & dosage/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, therapeutic use/ HUMAN/ INHALATION THERAPY/ MALE/ *PNEUMONIA, drug therapy/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ *PULMONARY HEART DISEASE, drug therapy/ VASCULAR RESISTANCE, drug effects

2316. **Lang R, Voigt KH, Fehm L, et al:** Isolated pituitary cells: ACTH secretion and synthesis.
Acta Endocrinol [Suppl] (Kbh) 173:29, 1973
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, secretion/ FEMALE/ HYPOTHALAMUS, physiology/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS/ TRITIUM

2317. **Lange WE de, Weeke A, Artz W, et al:** Primary amenorrhoea with hypertension due to 17-hydroxylase deficiency. Therapy with dexamethasone and ethinyloestradiol.
Acta Med Scand 193:565-71, Jun 73
ADULT/ ALDOSTERONE, urine/ *AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ *DEXAMETHASONE, therapeutic use/ DIET, SALT-FREE/ ESTROGENS, urine/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *HYDROXYLASES, metabolism/ *HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ METABOLISM, INBORN ERRORS, complications/ *METABOLISM, INBORN ERRORS, drug therapy/ METABOLISM, INBORN ERRORS, metabolism/ PREGNANES, urine/ PREGNENES, metabolism/ RENIN, blood/ SYNDROME/ WATER-ELECTROLYTE BALANCE

2318. **Langholz J, L'Age M:** Disturbance of the feedback mechanism of the adrenocortical system in the alloxan diabetic rat.
Acta Endocrinol [Suppl] (Kbh) 173:31, 1973
*ADRENAL GLANDS, physiopathology/ *ALLOXAN DIABETES, physiopathology/ ANIMAL EXPERIMENTS/ *DEXAMETHASONE, diagnostic use/ FEEDBACK/ INSULIN, metabolism/ RATS/ *STRESS

2319. **Lapras C, Lecuire J, Dechaume JP, et al:** Les tumeurs du ventricule latéral (a propos de 26 observations.
Neurochirurgie 18:491-502, Nov 72 **(Fre)**
ADOLESCENCE/ ADULT/ ASTROCYTOMA, diagnosis/ *CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EPENDYMOMA, diagnosis/ GLIOMA, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENINGIOMA, diagnosis/ NEOPLASM METASTASIS/ NEUROBLASTOMA, diagnosis/ PAPILLOMA, diagnosis/ PINEALOMA, diagnosis/ PROGNOSIS/ SARCOMA, RETICULUM CELL, diagnosis/ VENTRICULOGRAPHY

2320. **Laragh JH:** Potassium, angiotensin and the dual control of aldosterone secretion.
N Engl J Med 289:745-7, 4 Oct 73
ALDOSTERONE, physiology/ *ALDOSTERONE, secretion/ ANGIOTENSIN, blood/ *ANGIOTENSIN, metabolism/ ANGIOTENSIN, physiology/ BLOOD PRESSURE/ BLOOD VOLUME/ CORTICOTROPIN, physiology/ FEEDBACK/ HOMEOSTASIS/ HUMAN/ KIDNEY, physiology/ POTASSIUM, blood/ *POTASSIUM, metabolism/ RENIN, secretion

2321. **Larkins R, MacAuley S, Rapoport A, et al:** Parathyroid hormone and vitamin D. II. Effect of electrolytes and peptide hormones and the synthesis of 1,25-DHCC by isolated kidney tubules. Clin Sci 44:3P passim, Feb 73
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CHICKENS/ HOMEOSTASIS, drug effects/ HORMONES, pharmacodynamics/ *HYDROXYCHOLECALCIFEROL, biosynthes IN VITRO/ KIDNEY TUBULES, drug effe *KIDNEY TUBULES, metabolism/ PEPTIDI pharmacodynamics/ PHOSPHATES, pharmacodynamics

2322. **Larkins RG, Colston KW, Galante LS, et al:** Regul of vitamin-D metabolism without parathyro hormone. Lancet 2:289-91, 11 Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, bloo *CALCIUM, DIETARY, pharmacodynamics/ *DIET/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ *HYDROXYCHOLECALCIFER biosynthesis/ KIDNEY, drug effects/ KIDN metabolism/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES/ PHOSPHATES blood/ PHOSPHORUS, blood/ RATS/ *VITAMIN D, metabolism

2323. **Larsen JW, Hanson TM, Caldwell BV, et al:** The e of estradiol infusion on uterine activity a peripheral levels of prostaglandin F and progesterone.
Am J Obstet Gynecol 117:276-9, 15 Sep 7
ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ *LABOR, INDUCED/ PREGNANCY/ *PROGESTERON blood/ *PROSTAGLANDINS, blood/ TIME FACTORS/ *UTERUS, drug effects

2324. **Larsen PR, Dockalova J, Sipula D, et al:** Immunoass thyroxine in unextracted human serum.
J Clin Endocrinol Metab 37:177-82, Aug 7
ADSORPTION/ BINDING, COMPETITIVE/ CATTLE/ CHARCOAL/ COMPARATIVE STUDY/ DIIODOTYROSINE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ IODOTYROSINE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM SALICYLATE/ SWINE/ THYROGLOBULIN *THYROXINE, blood/ THYROXINE-BINDIN PROTEIN/ TRIIODOTHYRONINE

2325. **Larson CH:** Influence of androgens on contra properties of levator ani muscle of the r
Am J Physiol 225:328-34, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTRIC STIMULATION/ KINETICS/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, drug effects/ MYOGRAPHY/ ORGAN WEIGHT/ *PELVI drug effects/ RATS/ *TESTOSTERONE, pharmacodynamics

2326. **László FA, Kovács K, Szijj I, et al:** Pituitary nec induced by intrasellar injections of hexadimethrine-bromide.
Exp Pathol (Jena) 6:240-7, 1972
ANIMAL EXPERIMENTS/ CARBON TETRACHLORIDE, administration & dosag CARBON TETRACHLORIDE, adverse effec DIMETHYLAMINES, administration & dosa DIMETHYLAMINES, adverse effects/ HYDROCARBONS, HALOGENATED, administration & dosage/ HYDROCARBON HALOGENATED, adverse effects/ HYPOPITUITARISM, chemically induced/ INJECTIONS, INTRATHECAL/ NECROSIS/ *PITUITARY GLAND, chem synthesis/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, pathology/ POLYAMINES, administration & dosage/ *POLYAMINES, adverse effects/ POLYME administration & dosage/ POLYMERS, adv effects/ RATS/ SELLA TURCICA/ TRICHLOROACETIC ACID, administration dosage/ TRICHLOROACETIC ACID, adver effects

2327. **Lát J, Pavlík A, Jaboubek B:** Interrelations bet individual differences in excitability levels habituation-rates and in the incorporation

14C-leucine into brain and nonbrain proteins in rats.
Physiol Behav 11:131-7, Aug 73
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BRAIN, metabolism/ CARBON ISOTOPES/ EXPLORATORY BEHAVIOR/ GENETICS, BEHAVIORAL/ HABITUATION (PSYCHOPHYSIOLOGY)/ HIPPOCAMPUS, metabolism/ *LEUCINE, metabolism/ *LIVER, metabolism/ MALE/ MESENCEPHALON, metabolism/ NERVE TISSUE PROTEINS, metabolism/ PARIETAL LOBE, metabolism/ *PROTEINS, metabolism/ RATS/ *SELECTION (GENETICS)/ VISUAL PERCEPTION

2328. **Latash LP, Koval'zon VM:** Elektricheskaia aktivnost' i temperatura mozga pri samorazdrazhenii u belykh krys.
Zh Vyssh Nerv Deiat 22:1003-12, Sep-Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ *BRAIN, physiology/ CEREBRAL CORTEX, physiology/ ELECTROENCEPHALOGRAPHY/ *ELECTROPHYSIOLOGY/ EMOTIONS/ ENGLISH ABSTRACT/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MALE/ MOTIVATION/ MOTOR CORTEX, physiology/ RATS/ RETICULAR FORMATION, physiology/ *SELF STIMULATION/ SOMATOSENSORY CORTEX, physiology/ VISUAL CORTEX, physiology

2329. **Latham AN, Millbank L, Richens A, et al:** Liver enzyme induction by anticonvulsant drugs, and its relationship to disturbed calcium and folic acid metabolism. J Clin Pharmacol 13:337-42, Aug-Sep 73
*ANTICONVULSANTS, pharmacodynamics/ BIOLOGICAL ASSAY/ CALCIUM, blood/ *CALCIUM, metabolism/ DIPHENYLHYDANTOIN, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FOLIC ACID, blood/ *FOLIC ACID, metabolism/ GLUCOSE, urine/ HUMAN/ LACTOBACILLUS CASEI, drug effects/ *LIVER, enzymology/ PHENOBARBITAL, pharmacodynamics/ PRIMIDONE, pharmacodynamics

2330. **Laurent J, Meunier P, Courpron P, et al:** Recherches sur la pathogénie des nécroses aseptiques de la tête fémorale. Evaluation du terrain osseux sur 35 biopsies iliaques étudiées quantitativement.
Nouv Presse Med 2:1755-60, 30 Jun 73 **(Fre)**
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ BIOPSY/ BONE RESORPTION/ ENGLISH ABSTRACT/ FEMALE/ FEMUR HEAD NECROSIS, chemically induced/ *FEMUR HEAD NECROSIS, pathology/ HUMAN/ ILIUM, growth & development/ *ILIUM, pathology/ MALE/ MIDDLE AGE/ OSSIFICATION, PATHOLOGIC/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, pathology/ STAINS AND STAINING/ TETRACYCLINE, diagnostic use

2331. **Lauria F, Baccarani M, Bagnara GP, et al:** La plichemioterapia del linfoma di Hodgkin. 3. IV stadio.
Haematologica (Pavia) 57:536-42, 1972 **(Ita)**
ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ BLOOD PLATELETS, drug effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE/ MIDDLE AGE/ NEUTROPHILS, drug effects/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ TIME FACTORS/ VINCRISTINE, therapeutic use

2332. **Lauria F, Casanova R, Baccarani M, et al:** La determinazione degli isoenzimi della fostatasi alcalina nella definizione dello stadio clinico del linfoma di Hodgkin.
Haematologica (Pavia) 57:543-6, 1972 **(Ita)**
ADOLESCENCE/ ADULT/ *ALKALINE PHOSPHATASE, analysis/ BONE AND BONES, enzymology/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, enzymology/ HUMAN/ *ISOENZYMES, analysis/ LIVER, enzymology/ MIDDLE AGE/ TIME FACTORS

2333. **Lauritzen C:** Endokrinologie der normalen Schwangerschaft. Med Klin 68:897-905, Jul 73 **(Ger)**
AMNIOTIC FLUID, analysis/ ESTROGENS, physiology/ FEMALE/ HORMONES, analysis/ HORMONES, biosynthesis/ HORMONES, blood/ HORMONES, metabolism/ *HORMONES, physiology/ HUMAN/ LABOR/ MATERNAL-FETAL EXCHANGE/ NIDATION/ OVARY, physiology/ PITUITARY GLAND, physiology/ PLACENTA, analysis/ PLACENTA, physiology/ *PREGNANCY/ PROGESTERONE, physiology/ REVIEW/ STEROIDS, physiology

2334. **Lauritzen C:** Die Verschiebung der Menstruation.
Ther Umsch 30:479-85, Jul 73 **(Ger)**
ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ OVULATION, drug effects/ PROGESTATIONAL HORMONES, pharmacodynamics

2335. **Lavičková E, Neuwirth E, Krasnický K:** Anomálie žeber u mužů v nápravných zařízeních (radiologická a cytogenetická studie.
Sb Lek 75:272-5, Sep 73 **(Cze)**
CHROMOSOME ABERRATIONS/ CYTOGENETICS/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ FORENSIC MEDICINE/ HUMAN/ MALE/ PRISONERS/ *PRISONS/ *RIBS, abnormalities/ RIBS, radiography/ SEX CHROMOSOME ABNORMALITIES, radiography

2336. **Lavis VR, Williams RH:** Lipolytic effects of high concentrations of insulin on isolated fat cells. Enhancement of the response to lipolytic hormones.
Diabetes 22:629-36, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ GAMMA GLOBULIN/ GLYCERIN, biosynthesis/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ INSULIN ANTIBODIES/ PUROMYCIN, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRYPSIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics

2337. **Lavy UI, Funcke AB, Heil G van, et al:** Pharmacological properties of ((3alpha-tropanyl)oxy)-5H-benzo(4,5)cycloheptal(1,2-b)-pyridine hydrogen maleate (BS 7723). Arzneim Forsch 23:854-8, Jun 73
*ANTIHISTAMINICS, pharmacodynamics/ ARRHYTHMIA, drug therapy/ BLOOD PRESSURE, drug effects/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ CYCLOHEPTANES, pharmacodynamics/ CYCLOHEPTANES, therapeutic use/ CYCLOHEPTANES, toxicity/ ELECTROCARDIOGRAPHY/ GUINEA PIGS/ HEART, drug effects/ HEART RATE, drug effects/ MALE/ MICE/ NICTITATING MEMBRANE, drug effects/ *PARASYMPATHOLYTICS, pharmacodynamics/ PYRIDINES, pharmacodynamics/ PYRIDINES, therapeutic use/ PYRIDINES, toxicity/ SEROTONIN, antagonists & inhibitors/ *TROPANES, pharmacodynamics/ TROPANES, therapeutic use/ TROPANES, toxicity

2338. **Law B:** Contraception.
Trans Med Soc Lond 88:184-91, 1972
ATTITUDE TO HEALTH/ *CONTRACEPTION/ CONTRACEPTIVE AGENTS/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ FEMALE/ HUMAN/ MALE/ METHODS/ PUBLIC OPINION/ STERILIZATION, TUBAL/ VASECTOMY

2339. **Lawkowicz W, Krzemińska-Lawkowiczowa, Polubiec A,**

et al: Próby leczenia zespołów rozrostowych układu krwitotórczego pólsyntetyczną pochodną podofilliny. Acta Haematol Pol 4:123-7, Apr-Jun 73 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ GLYCOSIDES, therapeutic use/ HEMATOPOIESIS/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ LACTONES, therapeutic use/ *LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ *LYMPHOMA, drug therapy/ LYMPHOSARCOMA, drug therapy/ MIDDLE AGE/ *PODOPHYLLIN, therapeutic use/ SYNDROME/ THIOPHENES, therapeutic use

2340. **Lawrence W Jr, Horsley JS 3d:** Paraneoplastic syndromes. A clinically relevant concept in cancer. Va Med Mon 100:738-49, Aug 73
*CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CORTICOTROPIN, biosynthesis/ CUSHING'S SYNDROME, chemically induced/ HUMAN/ HYPERCALCEMIA, chemically induced/ HYPONATREMIA, chemically induced/ *NEOPLASMS, chemically induced/ NEOPLASMS, classification/ *NEOPLASMS, complications/ NEOPLASMS, metabolism/ PARATHYROID HORMONE, biosynthesis/ *PRECANCEROUS CONDITIONS, complications/ VASOPRESSIN, biosynthesis

2341. **Layne P, Constantopoulos A, Judge JF, et al:** The occurrence of fluoride stimulated membrane phosphoprotein phosphatase. Biochem Biophys Res Commun 53:800-5, 6 Aug 73
BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, enzymology/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ *FLUORIDES, pharmacodynamics/ GLUCOSEPHOSPHATES/ LEUKOCYTES, cytology/ LEUKOCYTES, drug effects/ *LEUKOCYTES, enzymology/ PERITONEAL CAVITY/ *PHOSPHATASES, blood/ PHOSPHATASES, metabolism/ PHOSPHOGLUCOMUTASE, metabolism/ PHOSPHOPROTEINS/ PHOSPHORUS ISOTOPES/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS

2342. **Lazard L:** Evolution des gonades transplantées dans le membre d'axolotl. Effet de l'irradiation et de l'amputation du membre hôte. C R Acad Sci [D] (Paris) 276:1601-4, 5 Mar 73 (Fre)
AMBYSTOMA/ *AMPUTATION/ ANIMAL EXPERIMENTS/ *EXTREMITIES, radiation effects/ EXTREMITIES, surgery/ OVARY, radiation effects/ *OVARY, transplantation/ *RADIATION EFFECTS/ SEX FACTORS/ TESTIS, radiation effects/ *TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS

2343. **Lazarus L:** Acromegaly: assessment and selection for treatment. Proc Aust Assoc Neurol 9:195-7, 1973
ACROMEGALY, blood/ *ACROMEGALY, diagnosis/ ACROMEGALY, radiography/ ACROMEGALY, surgery/ ADOLESCENCE/ ADULT/ CRYOGENIC SURGERY/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOPHYSECTOMY/ HYPOPITUITARISM, blood/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood

2344. **Leaf A:** Surface coating and transport. Biomembranes 3:349-55, 1972
AMPHOTERICIN B, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, metabolism/ CALCIUM, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ DIFFUSION/ EPITHELIAL CELLS, metabolism/ KINETICS/ PROSTAGLANDINS, pharmacodynamics/ *SODIUM, metabolism/ SODIUM ISOTOPES/ STIMULATION, CHEMICAL/ TOADS/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics/ *WATER, metabolism

2345. **Leake CD:** Review of reviews. Annu Rev Pharmacol 13:455-63, 1973
ABSORPTION/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMEN BLOOD, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ DRUG THERAPY/ DRUGS, metabolism/ FETUS/ HORMONES therapeutic use/ HUMAN/ INFANT, NEWBORN/ NARCOTICS, pharmacodynami PARKINSONISM, drug therapy/ PERIODICALS/ *PHARMACOLOGY/ PREGNANCY/ PSYCHOPHARMACOLOGY/ REVIEW/ TOXICOLOGY

2346. **Leake LD, Smith PA, Sunderland AJ, et al:** Studi neurones from the segmental ganglion of the l Hirudo medicinalis. J Physiol (Lond) 232:63P-64P, Jul 73
ANIMAL EXPERIMENTS/ AXONS, physiol GANGLIA, cytology/ IN VITRO/ IONTOPHORESIS/ *LEECHES, physiology/ *NEURONS, drug effects/ RECEPTORS, DRUG/ *SEROTONIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

2347. **Lebeau MC, Massol N, Baulieu EE:** An inso receptor for oestrogens in the "residual" nu proteins of chick-liver. Eur J Biochem 36:294-300, 2 Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BINDING SITES/ CELL FRACTIONATION/ CELL NUCLEUS, analy CELL NUCLEUS, metabolism/ CHICKENS, DIETHYLSTILBESTROL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ KID analysis/ LIVER, analysis/ LIVER, cytolog *LIVER, metabolism/ LUNG, analysis/ MA PROTEIN BINDING/ PROTEINS, analysis/ *RECEPTORS, DRUG/ SEX FACTORS/ TRITIUM

2348. **Lebedev DD:** O narushenii obmena kal'tsiia i fosfo serdechno-sosudistoi i kostnoi patologii (na osnc dannykh literatury. Pediatriia 51:70-5, Oct 72
ANIMAL EXPERIMENTS/ CALCINOSIS, chemically induced/ *CALCIUM, metabolis *CARDIOVASCULAR DISEASES, metabolis CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYPERCALCEMIA, metabolism/ *PHOSPHORUS, metabolism/ RATS/ RICKETS, metabolism/ VITAMIN D, adver effects

2349. **Lebedeva ZhD, Tikhomirova OB, Kogan LM,** Poluchenie androstadiendiona iz kholesterin pomoshchi Proactinomyces asteroides 438. Izv Akad Nauk SSSR [Biol] 4:529-34, Jul-Aug 72
*ANDROGENS, biosynthesis/ ANDROSTENEDIONE, biosynthesis/ *CHOLESTEROL, metabolism/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP DRUG/ ENGLISH ABSTRACT/ *17-KETOSTEROIDS, biosynthesis/ NOCARDIA, metabolism/ NOCARDIA ASTEROIDES, metabolism

2350. **Lebovitz HE, Feldman JM:** Pancreatic biogenic a and insulin secretion in health and disea Fed Proc 32:1797-802, Jul 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ CATS/ CYPROHEPTADINE, pharmacodynamics/ DIABETES MELLITUS, metabolism/ DOGS *DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HAMSTERS/ HUMAN/ HYDROXYINDOLEACETIC ACID, pharmacodynamics/ HYDROXYTRYPTOPH pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects METHYSERGIDE, pharmacodynamics/ MIC MONKEYS/ *NOREPINEPHRINE, metaboli NOREPINEPHRINE, pharmacodynamics/ *PANCREAS, metabolism/ RABBITS/ RAT SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ SEROTONIN,

pharmacodynamics/ TRYPTAMINES, pharmacodynamics

2351. **Lecart C:** La contraception hormonale.
Rev Med Liege 28:366-73, 1 Jun 73 **(Fre)**
*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, POSTCOITAL/ ESTROGENS/ ESTROGENS, administration & dosage/ HYPERTENSION, chemically induced/ INJECTIONS/ LIVER DISEASES, chemically induced/ NEOPLASMS, chemically induced/ PROGESTATIONAL HORMONES/ PROGESTATIONAL HORMONES, administration & dosage/ THROMBOEMBOLISM, chemically induced/ TIME FACTORS

2352. **Leckie B:** The activation of a possible zymogen of renin in rabbit kidney extracts. J Endocrinol 58:xxvi, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *ENZYME PRECURSORS, analysis/ *KIDNEY, analysis/ RABBITS/ *RENIN/ TISSUE EXTRACTS

2353. **Lecomte J:** Les états ostéoporotiques.
Rev Med Liege 28:489-92, 15 Jul 73 **(Fre)**
BONE DEVELOPMENT/ BONE RESORPTION/ ENDOCRINE DISEASES, complications/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ KIDNEY DISEASES, complications/ *OSTEOPOROSIS/ OSTEOPOROSIS, etiology

2354. **Lederer J:** Difficultês scolaires et glandes endocrines.
Probl Actuels Endocrinol Nutr 16:321-38, 3 May 73 **(Fre)**
ADULT/ DEPRESSION, etiology/ *ENDOCRINE DISEASES, complications/ FEMALE/ GONADOTROPINS, therapeutic use/ HEADACHE, etiology/ HUMAN/ HYPOPARATHYROIDISM, complications/ HYPOTHYROIDISM, complications/ LEARNING DISORDERS, etiology/ MALE/ PSYCHOPHYSIOLOGIC DISORDERS/ *SCHOOL HEALTH

2355. **Lederer J, De Muylder E, Bataille JP, et al:** Diabéte transitoire au cours de deux grossesses successives chez une surrénalectomisée.
Ann Endocrinol (Paris) 33:639-41, Nov-Dec 72 **(Fre)**
ADRENAL GLANDS, physiopathology/ *ADRENALECTOMY/ ADULT/ BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ PREGNANCY/ *PREGNANCY IN DIABETES, physiopathology

2356. **Ledermair O, Nagl F, Regele H:** Psuedo-Meigs-Syndrom.
Wien Med Wochenschr 123:445-7, 30 Jun 73 **(Ger)**
AGED/ CYSTADENOMA, MUCINOUS, diagnosis/ CYSTADENOMA, MUCINOUS, pathology/ CYSTADENOMA, MUCINOUS, surgery/ FEMALE/ HUMAN/ *MEIGS' SYNDROME, diagnosis/ MEIGS' SYNDROME, pathology/ MEIGS' SYNDROME, surgery/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ STAINS AND STAINING/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ TIME FACTORS

2357. **Le Douarin NM, Teillet MA:** The migration of neural crest cells to the wall of the digestive tract in avian embryo. J Embryol Exp Morphol 30:31-48, Aug 73
ANIMAL EXPERIMENTS/ CECUM, embryology/ CELL MOVEMENT/ *CENTRAL NERVOUS SYSTEM, embryology/ CENTRAL NERVOUS SYSTEM, transplantation/ CHICK EMBRYO/ CHROMAFFIN SYSTEM, embryology/ *GANGLIA, embryology/ ILEUM, embryology/ IN VITRO/ *INTESTINES, embryology/ INTESTINES, innervation/ QUAIL/ RECTUM, embryology/ TRANSPLANTATION, HETEROLOGOUS

2358. **Lee JB:** Hypertension, natriuresis and the renomedullary prostaglandins: an overview.
Prostaglandins 3:551-79, May 73 (46 ref.)
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ DEPRESSION, CHEMICAL/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, RENAL, physiopathology/ JUXTAGLOMERULAR APPARATUS, physiopathology/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY, metabolism/ KIDNEY MEDULLA, analysis/ KIDNEY MEDULLA, drug effects/ NATRIURESIS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS/ REGIONAL BLOOD FLOW/ REVIEW/ VASCULAR RESISTANCE, drug effects

2359. **Lee JB:** Homeostasis and the prostaglandins. Trans Stud Coll Physicians Phila 41:6-27, Jul 73 (52 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ DRUG INTERACTIONS/ *HOMEOSTASIS, drug effects/ HUMAN/ HYPERTENSION/ HYPOTENSION/ KIDNEY, blood supply/ KIDNEY MEDULLA, drug effects/ LUNG, metabolism/ MUSCLE, SMOOTH, drug effects/ NATRIURESIS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ PULSE, drug effects/ REGIONAL BLOOD FLOW, drug effects/ REVIEW/ SODIUM, pharmacodynamics/ VASCULAR RESISTANCE, drug effects/ VASOCONSTRICTOR AGENTS/ VASODILATOR AGENTS

2360. **Lee LM, Krupka RM, Cook RA:** Cooperativity in human erythrocyte phosphofructokinase.
Biochemistry 12:3503-8, 28 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ AMMONIUM SULFATE/ BINDING SITES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ENZYME ACTIVATION/ *ERYTHROCYTES, enzymology/ FRUCTOSEPHOSPHATES/ HEMOLYSIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIGHT/ METHYLENE BLUE/ NUCLEOTIDES/ OXIDATION-REDUCTION/ PHOSPHOFRUCTOKINASE, antagonists & inhibitors/ *PHOSPHOFRUCTOKINASE, blood/ PHOSPHOFRUCTOKINASE, isolation & purification/ PHOTOCHEMISTRY/ STRUCTURE-ACTIVITY RELATIONSHIP

2361. **Lee RS:** Cryofibrinogen and oral contraception in women. J Am Osteopath Assoc 72:1161-5, Aug 73
ADOLESCENCE/ ADULT/ *BLOOD PROTEIN DISORDERS, chemically induced/ *COLD/ *CONTRACEPTIVES, ORAL, adverse effects/ DISSEMINATED INTRAVASCULAR COAGULATION, chemically induced/ FEMALE/ *FIBRINOGEN/ HUMAN/ MIDDLE AGE

2362. **Lee-Benitez D, Leòn C, Herrera J, et al:** Mètodos de anàlisis por sturaciòn para cuantifican cortisol y testosterona.
Arch Invest Med (Mex) 4:7-20, 1973 **(Spa)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, isolation & purification/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ TRITIUM

2363. **Leeuwen W van:** Het drachtigheidsonderzoek bij de merrie.
Tijdschr Diergeneeskd 98:483-91, 15 May 73 **(Dut)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/

HEMAGGLUTINATION INHIBITION TESTS/ HORSES/ PRECIPITIN TESTS/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PREGNANCY TESTS, veterinary/ RECTUM

2364. **Lefranc G, Pradal G, L'Hermite A, et al:** Les cellules endocrines aminergiques des muqueuses digestives au cours de l'ontogenèse chez le lapin.
C R Soc Biol (Paris) 166:1765-9, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *DOPAMINE, metabolism/ FETUS, cytology/ FLUOROMETRY/ *GASTRIC MUCOSA, cytology/ HISTOLOGICAL TECHNICS/ INDICATORS AND REAGENTS/ *INTESTINAL MUCOSA, cytology/ RABBITS/ *SEROTONIN, metabolism/ SILVER

2365. **Legan SJ, Gay VL, Midgley AR Jr:** LH release following steroid administration in ovariectomized rats.
Endocrinology 93:781-5, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ *HYPOTHALAMUS/ LH/ *LH, blood/ OVARY, physiology/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ *TISSUE EXTRACTS, pharmacodynamics

2366. **Legré J, Dufour M, Debaene A, et al:** Signes angiographiques des tumeurs de la région du sinus caverneux.
Neurochirurgie 19:29-48, Jan-Feb 73 **(Fre)**
*BRAIN NEOPLASMS, radiography/ *CAVERNOUS SINUS, radiography/ CEREBRAL ANEURYSM, radiography/ CEREBRAL ANGIOGRAPHY/ CHORDOMA, radiography/ ENGLISH ABSTRACT/ HUMAN/ MENINGIOMA, radiography/ METHODS/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS

2367. **Legros JJ, Demoulin A, Franchimont P:** Etude de l'intégrité de la fonction antéhypophysaire par le test de stimulation á la nicotine.
Ann Endocrinol (Paris) 33:635-8, Nov-Dec 72 **(Fre)**
ADULT/ ENGLISH ABSTRACT/ HUMAN/ *NICOTINE, diagnostic use/ *PITUITARY GLAND FUNCTION TESTS, standards/ PITUITARY HORMONES, analysis/ SECRETORY RATE/ SMOKING/ SOMATOTROPIN, secretion

2368. **Lehman RM:** Related subthalamic structures.
Confin Neurol 34:200-9, 1972
BRAIN STEM, anatomy & histology/ CEREBELLAR NUCLEI, anatomy & histology/ CEREBRAL VENTRICLES, anatomy & histology/ *DIENCEPHALON, anatomy & histology/ DIENCEPHALON, physiopathology/ EXTRAPYRAMIDAL DISORDERS, physiopathology/ EXTRAPYRAMIDAL DISORDERS, surgery/ GLOBUS PALLIDUS, anatomy & histology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ NEURAL INTERCONNECTIONS, anatomy & histology/ RED NUCLEUS, anatomy & histology/ STEREOTAXIC TECHNICS/ SUBSTANTIA NIGRA, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology

2369. **Lehmann F, Bettendorf G, Breckwoldt M, et al:** Therapeutic aspects of LH-RH in ovarian insufficiency.
Acta Endocrinol [Suppl] (Kbh) 173:90, 1973
CORPUS LUTEUM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ FSH, analysis/ FSH, metabolism/ HUMAN/ LH, analysis/ LH, metabolism/ MENOTROPINS, administration & dosage/ MENOTROPINS, therapeutic use/ *OVARIAN DISEASES, drug therapy/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PROGESTERONE, blood

2370. **Lehmann WD, Lauritzen C:** The influence of ACTH HCG on the steroidogenesis of fetal adrenals in v
Acta Endocrinol [Suppl] (Kbh) 173:75, 197
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ CARBON ISOTOPES/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, PAPER/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ FETUS/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ VITRO/ PREGNANCY/ *PREGNENOLONE, metabolism/ TISSUE CULTURE

2371. **Lehmpfuhl W:** Kortisonschäden durch kombin Rheumamittel.
Z Allgemeinmed 49:916-23, 10 Jul 73 (
*CORTISONE, adverse effects/ CORTISONI therapeutic use/ CUSHING'S SYNDROME, chemically induced/ DIABETES MELLITUS chemically induced/ FEMALE/ HIRSUTISM chemically induced/ HUMAN/ HYPERTENSION, chemically induced/ MAI PSYCHOSES, TOXIC, etiology/ RHEUMATISM, drug therapy

2372. **Leidenberger F, Reichert LE Jr:** Species differenc luteinizing hormone as infered from slope varia in a radioligand receptor assay.
Acta Endocrinol [Suppl] (Kbh) 173:61, 197
CATTLE/ CHICKENS/ DOGS/ *GONADOTROPINS, CHORIONIC, analysis/ HORSES/ HUMAN/ IODINE ISOTOPES/ *I analysis/ MALE/ METHODS/ MONKEYS/ RABBITS/ RADIOLIGAND ASSAY/ RATS/ RECEPTORS, HORMONE/ SHEEP/ SPECIE SPECIFICITY/ SWINE/ TESTIS/ TISSUE EXTRACTS

2373. **Leighton PC:** Trophoblastic disease in Ugan
Am J Obstet Gynecol 117:341-4, 1 Oct 73
ABORTION/ ADOLESCENCE/ ADULT/ AG FACTORS/ CHORIOADENOMA, occurrence, CHORIOCARCINOMA, occurrence/ DELIVE FEMALE/ HUMAN/ HYDATIDIFORM MOL occurrence/ MIDDLE AGE/ PARITY/ PREGNANCY/ *PREGNANCY COMPLICATIONS, occurrence/ TIME FACTORS/ *TROPHOBLASTIC TUMOR, occurrence/ UGANDA

2374. **Leinweber B:** Galaktosamin-Hepatitis und Anit-Cholestase. Die Leberschädigung durch D-Galaktosamin-Hydrochlorid und 1-Naphthyl-Isothiocyanat (Anit.
Fortschr Med 91:792-6, 21 Jun 73 (
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ *CHOLESTA chemically induced/ CHOLESTASIS, pathol FEMALE/ FETUS, drug effects/ *GALACTOSAMINE, adverse effects/ HEPATITIS, INFECTIOUS, pathology/ *HEPATITIS, TOXIC, etiology/ HEPATITIS TOXIC, pathology/ HUMAN/ LIVER, pathology/ ORGAN WEIGHT/ PREGNANCY RATS/ *THIOCYANATES, adverse effects

2375. **Leisinger HJ, Mayor G, Zingg E:** Atypische Lokalis der Parathyreoidea-Adenome beim primären Hyperparathyreoidismus.
Urologe [A] 12:177-82, Jul 73 (48 ref.) (
ADENOMA, complications/ *ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOM surgery/ ENGLISH ABSTRACT/ EVALUAT STUDIES/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ HYPERPLASIA/ KIDNEY CALCULI, diagn KIDNEY CALCULI, etiology/ MEDIASTIN NEOPLASMS, diagnosis/ METHODS/ PARATHYROID NEOPLASMS, complication *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery/ REVIEW/ THYROID GLAND, pathology/ THYROIDECTOMY

2376. **Leissring JC, Oppenheimer RO:** Cystic dysplasia o testis: a unique congenital anomaly studie microdissection. J Urol 110:362-3, Sep 73

CHILD, PRESCHOOL/ *CYSTS, pathology/ HUMAN/ MALE/ *TESTICULAR DISEASES, pathology/ *TESTIS, abnormalities/ TESTIS, pathology

77. **LeMaire WJ, Yang NS, Behrman HH, et al:** Preovulatory changes in the concentration of prostaglandins in rabbit Graafian follicles.
Prostaglandins 3:367-76, Mar 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *ESTRUS, drug effects/ FEMALE/ GOATS, immunology/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, metabolism/ *OVULATION, drug effects/ *PROSTAGLANDINS, metabolism/ RABBITS/ RADIOIMMUNOASSAY/ TIME FACTORS

8. **Lemieux G, Lachapelle J, Grégoire A, et al:** Maladie artérielle rénale. Une série de 42 observations.
Union Med Can 101:857-64, May 72 (Fre)
ADULT/ AGED/ ANEURYSM, diagnosis/ ANGIOGRAPHY/ *ARTERIAL OCCLUSIVE DISEASES, diagnosis/ AUSCULTATION/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, diagnosis/ KIDNEY, blood supply/ MALE/ MIDDLE AGE/ RADIOISOTOPE RENOGRAPHY/ REGIONAL BLOOD FLOW/ *RENAL ARTERY/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENIN, blood/ THROMBOSIS, diagnosis

9. **Leon AS, Pettinger WA, Saviano MA:** Enhancement of serum renin activity by exercise in the rat.
Med Sci Sports 5:40-3, Spring 73
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *EXERTION/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, pharmacodynamics/ RATS/ RENIN, antagonists & inhibitors/ *RENIN, blood/ SWIMMING

. **Leonard A, Comty C, Raij L, et al:** The natural history of regularly dialyzed diabetics.
Trans Am Soc Artif Intern Organs 19:282-6, 1973
ADULT/ AGED/ BLINDNESS, complications/ CORONARY DISEASE, complications/ *DIABETES MELLITUS, JUVENILE/ DIABETES MELLITUS, JUVENILE, mortality/ DIABETES MELLITUS, JUVENILE, rehabilitation/ *DIABETIC NEPHROPATHIES, therapy/ DIABETIC NEUROPATHIES, complications/ DIABETIC RETINOPATHY, complications/ FEMALE/ HEART FAILURE, CONGESTIVE, complications/ HEMODIALYSIS/ HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPOTENSION, ORTHOSTATIC, complications/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ NEPHROTIC SYNDROME, therapy/ PERICARDITIS, complications/ VESICO-URETERAL REFLUX, complications

Leonard A, Raij L, Comty CM, et al: Experience with endocarditis in a large kidney disease program.
Trans Am Soc Artif Intern Organs 19:298-301, 1973
ADULT/ AGED/ AORTIC VALVE, pathology/ CORONARY DISEASE, complications/ CORYNEBACTERIUM INFECTIONS/ ENDOCARDITIS, BACTERIAL, complications/ ENDOCARDITIS, BACTERIAL, diagnosis/ *ENDOCARDITIS, BACTERIAL, etiology/ ENDOCARDITIS, BACTERIAL, pathology/ FEMALE/ HEART AUSCULTATION/ HEART FAILURE, CONGESTIVE, complications/ *HEMODIALYSIS, adverse effects/ HUMAN/ LISTERIA INFECTIONS/ MALE/ MIDDLE AGE/ MITRAL VALVE, pathology/ NOCARDIA INFECTIONS/ OSTEOMYELITIS, complications/ PREDNISONE, adverse effects/ STAPHYLOCOCCAL INFECTIONS/ STREPTOCOCCAL INFECTIONS/ TIME FACTORS

Leonard MF, Rosenberg L: Interaction of environmental and genetic factors in Klinefelter's syndrome.
Pediatrics 52:118-20, Jul 73
CHILD BEHAVIOR DISORDERS, etiology/ CHILD DEVELOPMENT DEVIATIONS, etiology/ CHILD, PRESCHOOL/ *ENVIRONMENT/ GENES/ HUMAN/ *KLINEFELTER'S SYNDROME/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MATERNAL DEPRIVATION

2383. **Leophonte P, Dutau G, Bouissou H, et al:** Sarcoidose et phéochromocytome surrénalien (à propos d'une observation.
Poumon Coeur 28:333-7, 1972 (Fre)
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ ANTINUCLEAR FACTORS, isolation & purification/ CELIAC ARTERY, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG DISEASES, complications/ LUNG DISEASES, diagnosis/ LUNG DISEASES, radiography/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, pathology/ *SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, pathology/ SARCOIDOSIS, radiography/ *SKIN DISEASES, complications/ SKIN DISEASES, diagnosis/ SKIN DISEASES, pathology/ UROGRAPHY

2384. **Leopold IH:** The therapeutic tumult and the ophthalmologist. 35th De Schweinitz lecture.
Am J Ophthalmol 76:181-92, Aug 73 (41 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADULT/ AGED/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, drug effects/ ASCORBIC ACID, pharmacodynamics/ ASCORBIC ACID, therapeutic use/ BLOOD SUGAR/ CHILD/ DRUG INTERACTIONS/ DRUG SYNERGISM/ EYE, drug effects/ *EYE DISEASES, drug therapy/ GLAUCOMA, drug therapy/ HUMAN/ INTRAOCULAR PRESSURE, drug effects/ KINETICS/ MIDDLE AGE/ OPHTHALMIA, drug therapy/ PHARMACOGENETICS/ PROSTAGLANDINS, therapeutic use/ RABBITS/ REVIEW/ THYMOXAMINE, pharmacodynamics/ THYMOXAMINE, therapeutic use/ TOXICOLOGY

2385. **Leroux GF:** Les manifestations radiologiques de l'ostéoporose.
Rev Med Liege 28:497-501, 15 Jul 73 (Fre)
DECALCIFICATION, PATHOLOGIC, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HAND, radiography/ HUMAN/ HUMERUS, radiography/ LUMBAR VERTEBRAE, radiography/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, radiography

2386. **Lesakova AS, Saloma FN:** Gormonal'naia aktivnost' gipofiza i laichnikov u bol'nykh s vospalitel'nym protsessom vnutrennikh polovykh organov.
Akush Ginekol (Mosk) 48:13-7, Oct 72 (Rus)
ACUTE DISEASE/ ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC DISEASES, metabolism/ HUMAN/ *LH, urine/ MENSTRUATION/ *OVARY, secretion/ VAGINAL SMEARS

2387. **Lesch R, Deus B, Reutter W:** Die Beeinflussung der akuten Galaktosaminschädigung der Ratte durch bilaterale Adrenalektomie.
Verh Dtsch Ges Inn Med 78:1380-3, 1972 (Ger)
*ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ FEMALE/ GALACTOSAMINE/ *HEPATITIS, TOXIC, physiopathology/ RATS

2388. **Leshner AI, Siegel HI, Collier G:** Dietary self-selection by pregnant and lactating rats.
Physiol Behav 8:151-4, Jan 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ *DIET/ DIETARY CARBOHYDRATES/ DIETARY PROTEINS/ *EATING/ ESTRUS/ *FEEDING BEHAVIOR/ FEMALE/ HUNGER/

*LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS

2389. **Leung BS, Manaugh LC, Wood DC:** Estradiol receptors in benign and malignant disease of the breast. Clin Chim Acta 46:69-76, 14 Jun 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ BREAST, analysis/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ CYTOSOL, analysis/ CYTOSOL, metabolism/ DEXTRAN/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ MATHEMATICS/ NEOPLASM METASTASIS/ NEOPLASM PROTEINS, analysis/ OVARY, analysis/ RATS/ *RECEPTORS, HORMONE/ SKIN, analysis/ THORACIC NEOPLASMS, metabolism/ TRITIUM/ UTERUS, analysis

2390. **Leung PM, Rogers QR:** Effect of amygdaloid lesions on dietary intake of disproportionate amounts of amino acids. Physiol Behav 11:221-6, Aug 73
*AMINO ACIDS/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *APPETITE REGULATION/ DEFICIENCY DISEASES/ *DIET/ DIETARY PROTEINS/ *EATING/ HYPOTHALAMUS, physiology/ ISOLEUCINE/ MALE/ RATS/ SATIATION/ THREONINE

2391. **Leusden HA van:** Hormonal changes in pathological pregnancy. Vitam Horm 30:281-361, 1972 (561 ref.)
ABNORMALITIES, physiopathology/ ABORTION, physiopathology/ ANTIBODY FORMATION/ BODY WEIGHT/ CARBOHYDRATES, metabolism/ CHORIOCARCINOMA, physiopathology/ ENDOCRINE GLANDS, physiopathology/ *ESTROGENS/ FEMALE/ FETAL DEATH/ FETAL DISEASES/ FETUS/ FETUS, metabolism/ *GONADOTROPINS, CHORIONIC/ HUMAN/ HYDATIDIFORM MOLE, physiopathology/ HYPERTENSION, physiopathology/ *PLACENTAL LACTOGEN/ PREGNANCY/ PREGNANCY, ABDOMINAL, physiopathology/ PREGNANCY COMPLICATIONS, metabolism/ *PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY, MULTIPLE/ *PROGESTERONE/ REVIEW/ RH FACTORS

2392. **Levin DL, Perlia C, Tashjian AH Jr:** Medullary carcinoma of the thyroid gland: the complete syndrome in a child. Pediatrics 52:192-6, Aug 73
ADOLESCENCE/ ARACHNODACTYLY, blood/ ARACHNODACTYLY, complications/ CARCINOMA, blood/ *CARCINOMA, complications/ DIARRHEA, complications/ GANGLIONEUROMA, blood/ GANGLIONEUROMA, complications/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PHEOCHROMOCYTOMA, blood/ PHEOCHROMOCYTOMA, complications/ PROSTAGLANDINS, blood/ SYNDROME/ THYROCALCITONIN, blood/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, complications

2393. **Levin RJ, Syme G:** Changes in the performance of the electrogenic transfer mechanisms of the small intestine related to different sources of a commercial feeding diet for rats.
J Physiol (Lond) 231:109P-110P, Jun 73
ANIMAL EXPERIMENTS/ *DIET/ FOOD ANALYSIS/ HYPOTHYROIDISM, physiopathology/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, metabolism/ *INTESTINE, SMALL, physiology/ IODINE, analysis/ IODINE, metabolism/ IODINE ISOTOPES/ MEMBRANE POTENTIALS/ OXYGEN CONSUMPTION/ RATS/ THYROID GLAND, metabolism/ VALINE, metabolism

2394. **Levin RJ, Syme G:** Effectiveness of thyroxine and triiodothyronine in surgical and prophylthiouracil induced hypothyroidism assessed by changes in intestinal electrogenic transfer.
J Physiol (Lond) 232:78P-79P, Jul 73
ANIMAL EXPERIMENTS/ ELECTROPHYSIOLOGY/ *HYPOTHYROIDISM chemically induced/ *JEJUNUM, drug effects JEJUNUM, physiology/ PROPYLTHIOURACIL RATS/ THYROIDECTOMY/ *THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

2395. **Levine L:** Antibodies to pharmacologically acti molecules: specificities and some applications antiprostaglandins.
Pharmacol Rev 25:293-307, Jun 73 (46 ref.)
ANIMAL EXPERIMENTS/ *ANTIBODIES/ *ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ ASPIRIN pharmacodynamics/ CELL LINE/ CROSS REACTIONS/ CYCLOPENTANE/ DRUG STABILITY/ FIBROSARCOMA, immunology/ HUMAN/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ RABBITS, immunology/ REVIEW/ SPECTROPHOTOMETRY/ SYNOVIAL FLUID, analysis/ TIME FACTORS/ TRITIUM

2396. **Levine L, Gutierrez-Cernosek RM:** Preparation a specificity of antibodies to 15-keto-prostaglan F2alpha. Prostaglandins 2:281-94, Oct 72
*ANTIBODIES/ ANTIBODY FORMATION/ *ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ CROSS REACTIONS/ IGG/ IGM/ IMMUNIZATION/ KETO ACIDS/ MONKEYS, immunology/ *PROSTAGLANDINS/ RADIOIMMUNOASSAY/ TRITIUM

2397. **Levine L, Gutierrez-Cernosek RM:** Levels of 13,14-dihydro-15-keto-PGF in biological fluids measured by radioimmunoassay.
Prostaglandins 3:785-804, Jun 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ BINDING SITES, ANTIBODY/ CROSS REACTIONS/ FEMALE/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION, SECONDARY/ KETO ACIDS/ MALE/ MENSTRUATION/ MONKEYS, immunology/ OVULATION/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, urine/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TRITIU

2398. **LeVine ME, Dobbins WO 3d:** Joint changes in Whipple disease. Semin Arthritis Rheum 3:79-93, 1973 (36 ref
ADULT/ ANEMIA, etiology/ ARTHRITIS, etiology/ ARTHRITIS, pathology/ BACTERIAL INFECTIONS/ BONE AND BONES, radiography/ DIAGNOSIS, DIFFERENTIAL/ DIARRHEA, etiology/ FEMALE/ HUMAN/ INTESTINAL MUCOSA, pathology/ JOINT DISEASES, diagnosis/ *JOINT DISEASES, etiology/ *LIPODYSTROPHY, INTESTINAL, complications/ LIPODYSTROPHY, INTESTINAL, diagnosis/ LIPODYSTROPHY, INTESTINAL, etiology/ LIPODYSTROPHY, INTESTINAL, occurrence/ LIPODYSTROPHY, INTESTINAL, pathology/ LIPODYSTROPHY, INTESTINAL, radiography/ MACROPHAGES, cytology/ MALE/ MIDDLE AGE/ REVIEW/ SEX FACTORS/ SPONDYLITIS, etiology/ SYNOVIAL FLUID, cytology

2399. **Levine RA:** Cyclic AMP in digestive physiolog
Am J Clin Nutr 26:876-81, Aug 73 (43 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE pharmacodynamics/ *ADENOSINE CYCLIC 3',5 MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BILE, secretion/ BIOLOGICAL TRANSPORT/ BUTYRATES, pharmacodynamics/ CALCIUM, metabolism/ CHOLERA, physiopathology/ DIARRHEA, physiopathology/ ELECTROLYTES, metabolism GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ *GASTROINTESTINAL SYSTEM, physiology/ HUMAN/ INTESTINAL MUCOSA/ INTESTINAL SECRETIONS, secretion/ INTESTINES, drug effects/ MAMMALS/ PANCREATIC JUICE, secretion/ PEPTIDES, pharmacodynamics/ REVIEW/ STOMACH,

enzymology/ TOXINS, pharmacodynamics/ WATER, metabolism

400. **Levitan AA, Manion JC:** Propranolol therapy during pregnancy and lactation. Am J Cardiol 32:247, Aug 73
FEMALE/ HUMAN/ *LACTATION/ MILK, HUMAN, analysis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ PROPRANOLOL, analysis/ PROPRANOLOL, blood/ *PROPRANOLOL, therapeutic use/ *TACHYCARDIA, PAROXYSMAL, drug therapy

401. **Levy L, Fasal P, Levan NE, et al:** Treatment of erythema nodosum leprosum with thalidomide. Lancet 2:324-5, 11 Aug 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ COMPARATIVE STUDY/ *ERYTHEMA NODOSUM, drug therapy/ FEMALE/ HUMAN/ *LEPROSY, drug therapy/ MALE/ RECURRENCE/ *THALIDOMIDE, administration & dosage/ *THALIDOMIDE, therapeutic use/ THALIDOMIDE, toxicity

402. **Levy ST, Forrest JN Jr, Heninger GR:** Lithium-induced diabetes insipidus: manic symptoms, brain and electrolyte correlates, and chlorothiazide treatment. Am J Psychiatry 130:1014-8, Sep 73
CHLOROTHIAZIDE, pharmacodynamics/ *CHLOROTHIAZIDE, therapeutic use/ *DIABETES INSIPIDUS, chemically induced/ DIABETES INSIPIDUS, drug therapy/ EVALUATION STUDIES/ EVOKED POTENTIALS/ FEMALE/ HOSPITALIZATION/ HUMAN/ KIDNEY CONCENTRATING ABILITY, drug effects/ LITHIUM, administration & dosage/ *LITHIUM, adverse effects/ LITHIUM, blood/ LITHIUM, therapeutic use/ MIDDLE AGE/ POLYURIA, chemically induced/ POLYURIA, drug therapy/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, physiopathology/ SODIUM/ SOMATOSENSORY CORTEX, physiopathology/ VASOPRESSIN, pharmacodynamics/ WATER-ELECTROLYTE BALANCE

Lewis AJ, Eyre P: Some cardiovascular and respiratory effects of prostaglandins E1, E2 and F2 alpha in the calf. Prostaglandins 2:55-64, Jul 72
ACETYLCHOLINE, administration & dosage/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BRONCHI, drug effects/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROCARDIOGRAPHY/ FEMORAL ARTERY, drug effects/ *HEART, drug effects/ HEART RATE, drug effects/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOTONIC SOLUTIONS/ LUNG, drug effects/ MALE/ PERFUSION/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PULMONARY ARTERY, drug effects/ PULMONARY VEINS, drug effects/ *RESPIRATION, drug effects/ SEROTONIN, administration & dosage/ SEROTONIN, pharmacodynamics/ VENA CAVA, INFERIOR, drug effects

Lewis AJ, Speer VC: Lysine requirement of the lactating sow. J Anim Sci 37:104-10, Jul 73
ADMINISTRATION, ORAL/ AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BLOOD UREA NITROGEN/ DIET/ FECES, analysis/ FEMALE/ *LACTATION/ LYSINE, administration & dosage/ *LYSINE, metabolism/ MILK, analysis/ MILK PROTEINS, analysis/ NITROGEN, analysis/ NITROGEN, urine/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ *SWINE, metabolism/ TRYPTOPHAN, blood

ewis GC Jr: Gynecologic oncology.
Semin Drug Treat 3:101-16, Summer 73
ALKYLATING AGENTS, therapeutic use/ ASCITES, complications/ BIOPSY/ CERVIX NEOPLASMS, drug therapy/ CERVIX NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, surgery/ DACTINOMYCIN, therapeutic use/ ENDOMETRIUM, surgery/ FEMALE/ FLUOROURACIL, therapeutic use/ GYNECOLOGIC NEOPLASMS, complications/ GYNECOLOGIC NEOPLASMS, diagnosis/ *GYNECOLOGIC NEOPLASMS, drug therapy/ GYNECOLOGIC NEOPLASMS, surgery/ HUMAN/ METHOTREXATE, therapeutic use/ NEOPLASM RECURRENCE, LOCAL/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ PELVIC NEOPLASMS, drug therapy/ PLEURAL EFFUSION, complications/ VAGINAL NEOPLASMS, surgery/ VULVAR NEOPLASMS, diagnosis

2406. **Lewis MB:** Rothmund-Thompson syndrome and fibrocystic disease.
Australas J Dermatol 13:105-6, Dec 72
ATROPHY, complications/ CASE REPORT/ CHILD/ *CYSTIC FIBROSIS, complications/ DWARFISM, complications/ HUMAN/ MALE/ PHOTOSENSITIZATION, chemically induced/ *PHOTOSENSITIZATION, complications/ SYNDROME/ TETRACYCLINE, adverse effects

2407. **Ley KF, Corson JA:** Effects of ACTH, adrenalectomy and time of day on emotional activity of the rat. Behav Biol 9:111-5, Jul 73
ADRENAL GLANDS, physiology/ *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM, drug effects/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ *EMOTIONS, drug effects/ *EXPLORATORY BEHAVIOR, drug effects/ HOUSING, ANIMAL/ INJECTIONS, SUBCUTANEOUS/ LOCOMOTION, drug effects/ MALE/ RATS/ SODIUM CHLORIDE, pharmacodynamics

2408. **Leyendecker G, Wildt L, Nocke W:** Radioligand receptor assay for the determination of LH and HCG activities utilizing rat ovarian receptors. Acta Endocrinol [Suppl] (Kbh) 173:62, 1973
ALBUMINS/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IODINE ISOTOPES/ *LH, analysis/ METHODS/ OVARY/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ TISSUE EXTRACTS

2409. **Li CH, Gordon D, Knorr J:** The primary structure of sheep pituitary growth hormone. Arch Biochem Biophys 156:493-508, Jun 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ ELECTROPHORESIS/ FORMIC ACIDS/ GEL FILTRATION/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PITUITARY GLAND, analysis/ SHEEP/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, isolation & purification/ TRYPSIN

2410. **Liakas RI:** Strukturno-funktsional'nye vzaimootnosheniia gipotalamusa s dorsal'nym i ventral'nym gippokampom u krolikov. Fiziol Zh SSSR 59:1023-32, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *EVOKED POTENTIALS/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ RABBITS/ REACTION TIME

2411. **Liao S, Liang T, Fang S, et al:** Steroid structure and androgenic activity. Specificities involved in the receptor binding and nuclear retention of various androgens. J Biol Chem 248:6154-62, 10 Sep 73
*ANDROGENS, metabolism/ ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CASTRATION/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ ESTRANES, metabolism/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ KETOSTEROIDS/ KETOSTEROIDS, metabolism/ MALE/ MICROSOMES, metabolism/ MODELS, STRUCTURAL/ NORMETHANDROLONE, metabolism/ OXIDOREDUCTASES, metabolism/ PROSTATE,

cytology/ PROSTATE, enzymology/ *PROSTATE, metabolism/ RATS/ RECEPTORS, HORMONE/ STANOLONE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

2412. **Liappis N**: Einfluss der oralen Kontrazeptiva auf das Eiweissbild im Serum.
Zentralbl Gynaekol 95:722-6, 25 May 73 (Ger)
ALPHA GLOBULIN, metabolism/ BETA GLOBULIN, metabolism/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ GAMMA GLOBULIN, metabolism/ HUMAN/ MALE/ METABOLISM, drug effects/ SERUM ALBUMIN, metabolism/ SERUM GLOBULINS, metabolism

2413. **Liashenkova SK**: Vliianie nerobolila, testosteron-fenilpropionata i estradiola na soderzhanie obshchikhfosfolipidov i glikogena v matke krys.
Probl Endokrinol (Mosk) 19:82-6, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GLYCOGEN, analysis/ INJECTIONS, SUBCUTANEOUS/ *METHANDROSTENOLONE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, physiology/ *PHOSPHOLIPIDS, analysis/ PROPIONATES, pharmacodynamics/ RATS/ TIME FACTORS/ *UTERUS, drug effects

2414. **Libby PR**: Histone acetylation and hormone action. Early effects of oestradiol-17beta on histone acetylation in rat uterus. Biochem J 130:663-9, Dec 72
ACETATES, metabolism/ ACETYLATION/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, pharmacodynamics/ CHROMATIN, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, antagonists & inhibitors/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ FEMALE/ *HISTONES, metabolism/ LIVER, metabolism/ NAPHTHALENES, pharmacodynamics/ PHENOLS, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism

2415. **Liberti JP**: A novel procedure for the purification of bovine somatomedin. Can J Biochem 51:1113-9, Jul 73
ADSORPTION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CARTILAGE/ CARTILAGE, drug effects/ CARTILAGE, metabolism/ CATTLE/ CHICKENS/ COLD/ DIALYSIS/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ MALE/ METHODS/ RATS/ RIBS/ SODIUM/ SODIUM CHLORIDE/ *SOMATOMEDIN, blood/ SOMATOMEDIN, isolation & purification/ SOMATOMEDIN, pharmacodynamics/ SULFATES/ SULFATES, metabolism/ SULFUR ISOTOPES

2416. **Libshitz HI, Sandler CM, Glassman LM**: Pituitary plugs. (The normal and abnormal postoperative appearance following radiofrequency hypophysectomy).
J Can Assoc Radiol 24:137-40, Jun 73
ADULT/ HUMAN/ *HYPOPHYSECTOMY/ METHODS/ PITUITARY GLAND/ *RADIO WAVES/ SELLA TURCICA, pathology/ *SELLA TURCICA, radiography/ SELLA TURCICA, surgery/ *SILICONES/ SILVER/ SPHENOID SINUS, radiography/ *TAMPONS

2417. **Licht A, Many N, Rachmilewitz EA**: Myelofibrosis, osteolytic bone lesions and hypercalcemia in chronic myeloid leukemia.
Acta Haematol (Basel) 49:182-9, 1973
ADULT/ *BONE RESORPTION, etiology/ BONE RESORPTION, radiography/ BUSULFAN, therapeutic use/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKEMIA, MYELOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, pathology/ *MYELOFIBROSIS, etiology/ MYELOFIBROSIS, pathology

2418. **Lichtenstein LM, Gillespie E, Bourne HR, et al**: Th effects of a series of prostaglandins on in vitro mode of the allergic response and cellular immunit
Prostaglandins 2:519-28, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE metabolism/ ALLERGENS/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS/ *BASOPHILS, drug effects/ BUFFERS/ CHROMIUM ISOTOPES/ FLUOROMETRY/ *HISTAMINE LIBERATION/ HUMAN/ HYPERSENSITIVITY, DELAYED/ HYPERSENSITIVITY, IMMEDIATE/ IGE, biosynthesis/ IMMUNITY, CELLULAR/ *IMMUNITY, CELLULAR, drug effects/ LEUKOCYTES, immunology/ LYMPHOCYTES, immunology/ MAST CELLS, immunology/ MICE/ MICE, INBRED C57BL, immunology/ POLLEN/ *PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ TRITIUM

2419. **Lieber MM, Benveniste RE, Livingston DM, et a**
Mammalian cells in culture frequently release type viruses. Science 182:56-9, 5 Oct 73
C-TYPE VIRUSES, enzymology/ C-TYPE VIRUSES, isolation & purification/ CARCINOMA 256, WALKER/ CATS/ CELL LINE/ *CELLS, CULTURED/ EPITHELIAL CELLS/ FEMALE/ FETUS/ HAMSTERS/ IDOXURIDINE, pharmacodynamics/ KIDNEY/ LEYDIG CELL TUMOR/ MICROSCOPY, ELECTRON/ *ONCOGENIC VIRUSES, isolatio & purification/ OVARY/ PERITONEAL CAVITY/ RADIOIMMUNOASSAY/ RATS/ REVERSE TRANSCRIPTASE, analysis/ *RNA VIRUSES, isolation & purification/ SARCOMA EXPERIMENTAL/ SWINE/ TESTICULAR NEOPLASMS/ VIRUS REPLICATION, drug effects

2420. **Liegeois A**: Dépistage cytologique des cancers d l'utérus. Résultats obtenus par un centre de dépistag et ceux obtenus par des médecins en clientèle dans u arrondissement. Considérations générales à propos d la médecine préventive anticancéreuse.
Arch Belg Med Soc 30:557-68, Oct 72 (Fr
ADULT/ AGE FACTORS/ BELGIUM/ *CERVIX NEOPLASMS, diagnosis/ COMMUNITY HEALTH SERVICES/ CONTRACEPTIVES, ORAL/ CYTODIAGNOSIS ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MASS SCREENING/ METHODS/ MIDDLE AGE/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, occurrence/ UTERIN NEOPLASMS, prevention & control/ VAGINA SMEARS

2421. **Lies RB, Peter JB**: Cyclic AMP inhibition of cytotoxi ("lymphotoxin") elaboration by stimulated lymphocytes. Cell Immunol 8:332-5, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CELLS, CULTURED/ CHROMIUM ISOTOPES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HUMAN/ L CELLS/ LYMPHOCYTES, immunology/ *LYMPHOCYTES, metabolism/ PLANT AGGLUTININS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

2422. **Liévre JA, Chigot PL, Camus JP, et al**: L'hyperparathyroidisme primitif. Symptomatologi d'aprés une série de 100 cas.
Ann Med Interne (Paris) 124:1-8, Jan 73 (Fr
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ CALCIUM, blood/ CALCIUM, diagnostic use/ CALCIUM, urine/ CALCIUM ISOTOPES/ CITRATES, blood/ CORTISONE, diagnostic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ MALE/ METHIONINE, diagnostic use/ MIDDLE AGE/

PHOSPHORUS, blood/ THYROID GLAND, radiography

423. **Lifshitz F, Maclaren NK:** Vitamin D-dependent rickets in institutionalized, mentally retarded children receiving long-term anticonvulsant therapy. I. A survey of 288 patients. J Pediatr 83:612-20, Oct 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ *ANTICONVULSANTS, therapeutic use/ CALCIUM, blood/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ *CONVULSIONS, drug therapy/ DIPHENYLHYDANTOIN, therapeutic use/ FEMALE/ HUMAN/ INFANT/ MAGNESIUM, blood/ MALE/ *MENTAL RETARDATION, complications/ MEPHOBARBITAL, therapeutic use/ MESORIDAZINE, therapeutic use/ PHENOBARBITAL, therapeutic use/ PHOSPHORUS, blood/ POTASSIUM, blood/ PRIMIDONE, therapeutic use/ *RICKETS, etiology/ SODIUM, blood/ SUCCINIMIDES, therapeutic use/ *VITAMIN D

24. **Liggins GC:** The physiological role of prostaglandins in parturition.
J Reprod Fertil [Suppl] 18:143-50, Jul 73 (25 ref.)
ALCOHOL, ETHYL, pharmacodynamics/ AMNIOTIC FLUID, analysis/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ CORTICOTROPIN, pharmacodynamics/ DRUG SYNERGISM/ ESTROGENS, blood/ FEMALE/ GOATS/ HUMAN/ *LABOR/ OXYTOCIN, blood/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, physiology/ REVIEW/ SHEEP/ UTERUS, physiology

5. **Lilienfeld-Toal H von, Hüfner M, Hesch RD:** PTH-infusion and estimation of urinary cAMP in hyperparathyroidism.
Acta Endocrinol [Suppl] (Kbh) 173:164, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, urine/ HYPERPARATHYROIDISM, SECONDARY, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, urine/ *PARATHYROID HORMONE, diagnostic use

. **Lilja CG:** Parenteral järnterapi vid acetonämi. Nord Vet Med 24:201-7, Apr 73 (Swe)
ACETONE, analysis/ ACETONE, blood/ ACETONE, urine/ ACIDOSIS, drug therapy/ *ACIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD SUGAR/ CATTLE/ *CATTLE DISEASES, drug therapy/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ ERYTHROCYTES/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN/ INJECTIONS, INTRAMUSCULAR/ IRON-DEXTRAN COMPLEX, administration & dosage/ *IRON-DEXTRAN COMPLEX, therapeutic use/ METHODS/ MILK, analysis

Lillie RD, Pizzolato P, Vacca LL, et al: Use of the diazosulfanilic acid, pH 1 azure A sequence on adrenal medulla and the effects of prior oxidation and reduction on the reaction in several species.
J Histochem Cytochem 21:448-54, May 73
ADRENAL GLANDS, pathology/ *ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ AUTOPSY/ *AZO COMPOUNDS/ BIOPSY/ CATS/ COLLAGEN/ COMPARATIVE STUDY/ DOGS/ ELASTIN/ ERYTHROCYTES/ EVALUATION STUDIES/ GERBILS/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICE/ MONKEYS/ OPOSSUMS/ OXIDATION-REDUCTION/ RATS/ SPECIES SPECIFICITY/ STAINS AND STAINING/ SWINE/ TIME FACTORS

Lillie RD, Pizzolato P, Vacca LL, et al: The pH range of the diazosafranin reaction of rat and other mast cells.
J Histochem Cytochem 21:441-7, May 73
ACETONE/ ADRENAL GLANDS, cytology/ *AZO COMPOUNDS/ CHROMAFFIN SYSTEM, cytology/ DOGS/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *MAST CELLS, cytology/ METHODS/ METHYLATION/ MICE/ MONKEYS/ OMENTUM, cytology/ ORGAN SPECIFICITY/ PANCREAS, cytology/ RATS/ SKIN, cytology/ SPECIES SPECIFICITY/ *STAINS AND STAINING/ STOMACH, cytology/ SWINE/ TOLUIDINE BLUE O/ TONGUE, cytology/ TRACHEA, cytology

2429. **Lillie RD, Pizzolato P, Vacca LL, et al:** Histochemical azo coupling reactions. A catecholamine in enterochromaffin cells in place of or in addition to 5-hydroxytryptamine.
J Histochem Cytochem 21:455-63, May 73
ANIMAL EXPERIMENTS/ APPENDIX, cytology/ *AZO COMPOUNDS/ *CATECHOLAMINES, analysis/ *CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ DOGS/ DUODENUM, cytology/ FORMALDEHYDE/ GLUTARALDEHYDE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINE, LARGE, cytology/ INTESTINE, SMALL, cytology/ MICE/ MONKEYS/ OXIDATION-REDUCTION/ RATS/ *SEROTONIN, analysis/ *STAINS AND STAINING/ STOMACH, cytology/ SWINE/ TIME FACTORS

2430. **Lima JG, Longo RH, Pereira de Carvalho WD, et al:** Eletrencefalograma e drogas anticoncepcionais.
Arq Neuropsiquiatr 31:105-6, Jun 73 (Por)
*BRAIN, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NEUROLOGIC MANIFESTATIONS/ PREGNANCY

2431. **Limas CJ, Cohn JN:** Alkaline phosphatase in vascular smooth muscle. Nature [New Biol] 245:53-5, 12 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ *ALKALINE PHOSPHATASE, metabolism/ ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, cytology/ AORTA, enzymology/ CALCIUM, pharmacodynamics/ CELL FRACTIONATION/ CHLORTETRACYCLINE/ DOGS/ FLUORESCENCE SPECTROMETRY/ IN VITRO/ MICROSOMES, enzymology/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, enzymology/ THEOPHYLLINE, pharmacodynamics

2432. **Limas CJ, Notargiacomo AV, Cohn JN:** Effect of cyclic 3',5'-AMP on the (Na+K)-ATPase of myocardial sarcolemma. Cardiovasc Res 7:477-81, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ DOGS/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ HEART, drug effects/ MAGNESIUM/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ *MYOCARDIUM, enzymology/ POTASSIUM/ SARCOLEMMA, drug effects/ *SARCOLEMMA, enzymology/ SODIUM/ THEOPHYLLINE, pharmacodynamics

2433. **Lindahl R, Mayeda K:** Lactate dehydrogenase isozymes of the mongolian gerbil, Meriones unguiculatus. II. Ontogeny and relative isozyme composition.
Comp Biochem Physiol [B] 45:265-73, 15 May 73

AGE FACTORS/ ANIMAL EXPERIMENTS/ DENSITOMETRY/ ELECTROPHORESIS, STARCH GEL/ EPIDIDYMIS, enzymology/ *GERBILS, growth & development/ KIDNEY, enzymology/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LIVER, enzymology/ MALE/ MYOCARDIUM, enzymology/ TESTIS, enzymology

2434. **Lindberg BS, Nilsson BA:** Variations in maternal plasma levels of human placental lactogen (HPL) in normal pregnancy and labour.
J Obstet Gynaecol Br Commonw 80:619-26, Jul 73
CIRCADIAN RHYTHM/ EXERTION/ FEMALE/ FETAL HEART/ HEART RATE/ HUMAN/ *LABOR/ LABOR, INDUCED/ MUSCLE CONTRACTION/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY/ RADIOIMMUNOASSAY/ SLEEP/ TIME FACTORS/ UTERUS, physiology

2435. **Lindeboom GA:** Myxoedeem en reuma.
Ned Tijdschr Geneeskd 116:1377-80, 5 Aug 72 (Dut)
*ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MIDDLE AGE

2436. **Lindemann M:** Das limbische System, seine Beziehungen zu vegetativen Regulationen und Emotionen.
Z Aerztl Fortbild (Jena) 67:322-3, 1 Apr 73 (Ger)
*AUTONOMIC NERVOUS SYSTEM, physiology/ BODY TEMPERATURE REGULATION/ *EMOTIONS/ HUMAN/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ MOTIVATION

2437. **Lindenhayn K, Schmidt UJ, Hirthe D, et al:** Zur Wirkung von Dexamethason und Diphosphonat auf den Knochen.
Dtsch Gesundheitsw 28:202-4, 1973 (Ger)
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, analysis/ *FEMUR, drug effects/ HUMERUS, analysis/ *HUMERUS, drug effects/ HYDROXYPROLINE, analysis/ *ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ PHOSPHONIC ACIDS, pharmacodynamics/ RATS

2438. **Lindenmeyer D, Horst HJ, Plieninger K, et al:** Influence of early pregnancy on lipid and carbohydrate metabolism in normal females.
Acta Endocrinol [Suppl] (Kbh) 173:49, 1973
ADULT/ *BLOOD SUGAR, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LIPIDS, metabolism/ PLACENTAL LACTOGEN, blood/ *PREGNANCY/ PROGESTERONE, blood/ TIME FACTORS

2439. **Linder F:** Fortschritte in der Tumorchirurgie. I.
Verh Dtsch Ges Inn Med 78:72-82, 1972 (Ger)
BONE NEOPLASMS, surgery/ BREAST NEOPLASMS, surgery/ COLONIC NEOPLASMS, surgery/ FEMALE/ HUMAN/ MALE/ *NEOPLASMS, surgery/ THYROID NEOPLASMS, surgery

2440. **Lindheimer MD, Greco F del, Ehrlich EN:** Postural effects on Na and steroid excretion, and serum renin activity during pregnancy.
J Appl Physiol 35:343-8, Sep 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, urine/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ *NATRIURESIS/ *POSTURE/ POTASSIUM, urine/ *PREGNANCY/ RENIN, blood/ WATER-ELECTROLYTE BALANCE

2441. **Lindmark G, Melander S, Nilsson BA, et al:** Inhibition of prostaglandin induced uterine activity in the second trimester of pregnancy by beta-mimetic adrenergic agents.
Prostaglandins 3:481-9, Apr 73
ADOLESCENCE/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADULT/ AMINO ALCOHOLS, administration & dosage/ AMINO ALCOHOLS, pharmacodynamics/ AMNIOCENTESIS/ AMNIOTIC FLUID/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEART RATE, drug effects/ HUMAN/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ *MUSCLE CONTRACTION, drug effects/ ORCIPRENALINE, administratio & dosage/ ORCIPRENALINE, adverse effects *ORCIPRENALINE, pharmacodynamics/ PHENETHYLAMINES, administration & dosage/ *PHENETHYLAMINES, pharmacodynamics/ PHENOLS, administration & dosage/ PHENOLS, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ PULSE, drug effects/ STIMULATION, CHEMICAL/ TIME FACTORS/ *UTERUS, dru effects

2442. **Lindquist NG:** Accumulation of drugs on melani
Acta Radiol [Diagn] (Stockh) 325:1-92, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CATECHOLAMINES, metabolism/ CATTLE/ *CHLOROQUINE, metabolism/ *CHLORPROMAZINE, metabolism/ DIPHENOL OXIDASES, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ IN VITRO/ MALE/ *MELANIN, metabolism/ MELANOCYTES, enzymology/ MELANOCYTES metabolism/ MELANOMA, metabolism/ MICE/ MICROSCOPY, ELECTRON/ MONKEYS/ NEURONS, metabolism/ PREGNANCY/ SEROTONIN, metabolism/ STREPTOMYCIN, metabolism/ SUBSTANTIA NIGRA, metabolism/ SULFUR ISOTOPES

2443. **Lindseth RE:** Postoperative glucose metabolism i diabetic and nondiabetic patients. The response glucose, insulin, growth hormone, corticosteroid epinephrine, and unesterified fatty acids to extremi surgery.
Arch Surg 105:741-5, Nov 72
ADULT/ ANESTHESIA, GENERAL/ ANESTHESIA, SPINAL/ BLOOD SUGAR, analysis/ *DIABETES MELLITUS, metabolism/ EPINEPHRINE, blood/ *EXTREMITIES, surgery/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOCORTICOIDS, urine/ *GLUCOSE metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ INSULIN, blood/ MALE/ MANDELIC ACID, urine/ SOMATOTROPIN, blood/ TIME FACTORS

2444. **Lingard J, Rumrich G, Young JA:** Reabsorption L-glutamine and L-histidine from various regions the rat proximal convolution studied by stationar microperfusion: evidence that the proximal convolution is not homogeneous.
Pfluegers Arch 342:1-12, 25 Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CARBON ISOTOPES/ FANCONI SYNDROME, metabolism/ *GLUTAMINE, metabolism/ *HISTIDINE, metabolism/ KIDNEY GLOMERULUS, metabolism/ *KIDNEY TUBULES, metabolism, KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ METHODS/ PERFUSION/ RATS/ TIME FACTORS

2445. **Linnemann CC Jr, May DB, Schubert WK, et al:** Fat viral encephalitis in children with X-linked hypogammaglobulinemia.
Am J Dis Child 126:100-3, Jul 73
ADOLESCENCE/ AGAMMAGLOBULINEMIA, familial & genetic/ *AGAMMAGLOBULINEMI immunology/ AGAMMAGLOBULINEMIA, therapy/ AUTOPSY/ BRAIN, microbiology/ CEREBROSPINAL FLUID, microbiology/ CHILD/ *ECHO VIRUS INFECTIONS, immunology/ ECHO VIRUS INFECTIONS, microbiology/ ECHO VIRUS INFECTIONS, mortality/ ECHO VIRUSES, isolation & purification/ *ENCEPHALITIS, immunology/ ENCEPHALITIS, microbiology/

ENCEPHALITIS, mortality/ GAMMA GLOBULIN, therapeutic use/ *HERPES SIMPLEX, immunology/ HERPES SIMPLEX, microbiology/ HERPES SIMPLEX, mortality/ HERPESVIRUS HOMINIS, isolation & purification/ HUMAN/ MALE/ MEASLES VACCINE, adverse effects/ *SEX CHROMOSOMES

46. **Linthicum FH Jr:** Diagnosis of cochlear otosclerosis.
Arch Otolaryngol 95:564-9, Jun 72
AUDIOMETRY/ BONE CONDUCTION/ *COCHLEA, pathology/ CONTRACEPTIVES, ORAL, adverse effects/ EAR OSSICLES, pathology/ FEMALE/ FLUORIDES, therapeutic use/ HEARING DISORDERS, chemically induced/ HEARING DISORDERS, etiology/ HEARING DISORDERS, prevention & control/ HUMAN/ OTOSCLEROSIS, complications/ *OTOSCLEROSIS, diagnosis/ OTOSCLEROSIS, drug therapy/ OTOSCLEROSIS, pathology/ SODIUM/ TEMPORAL BONE, pathology/ TEMPORAL BONE, radiography/ TOMOGRAPHY, RADIOGRAPHIC

47. **Lipets AI:** Ob elektrolitnykh narusheniiakh u bol'nykh diffuznym toksicheskim zobom.
Probl Endokrinol (Mosk) 19:16-8, May-Jun 73 (Rus)
*ELECTROLYTES, metabolism/ ELECTROLYTES, urine/ ENGLISH ABSTRACT/ ERYTHROCYTES, analysis/ *GOITER, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ PHOTOMETRY/ POTASSIUM, blood/ PROTEIN-BOUND IODINE TEST/ SODIUM, blood/ THYROID GLAND FUNCTION TESTS

48. **Lipiridou O, Lazaridou S, Manios S:** Recurrent and persistent fever in bacterial meningitis with adequate response to antimicrobial therapy.
Scand J Infect Dis 5:23-7, 1973
ADOLESCENCE/ AMPICILLIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *FEVER, etiology/ HAEMOPHILUS INFLUENZAE/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT/ KANAMYCIN, therapeutic use/ MALE/ MENINGITIS, cerebrospinal fluid/ *MENINGITIS, complications/ MENINGITIS, drug therapy/ MENINGITIS, mortality/ MENINGITIS, HAEMOPHILUS/ MENINGITIS, MENINGOCOCCIC/ MENINGITIS, PNEUMOCOCCAL/ NEUROLOGIC MANIFESTATIONS/ RECURRENCE

49. **Lippe BM, Crandall BF:** Turner syndrome with partial deletion of the X chromosome long arm.
Am J Dis Child 126:222-4, Aug 73
ADOLESCENCE/ AMENORRHEA, complications/ DERMATOGLYPHICS/ DIPHENYLHYDANTOIN, therapeutic use/ EPILEPSY, GRAND MAL, drug therapy/ EPILEPSY, PETIT MAL, drug therapy/ FEMALE/ FSH, blood/ GROWTH DISORDERS, complications/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ LH, blood/ NEPHROTIC SYNDROME, chemically induced/ NEVUS, PIGMENTED, complications/ PHENOTYPE/ SEX CHROMATIN, analysis/ THYMIDINE, metabolism/ THYROXINE, blood/ TRIMETHADIONE, adverse effects/ TRIMETHADIONE, therapeutic use/ TRITIUM/ *TURNER'S SYNDROME, diagnosis

50. **Lippman ME, Halterman RH, Leventhal BG, et al:** Glucocorticoid-binding proteins in human acute lymphoblastic leukemic blast cells.
J Clin Invest 52:1715-25, Jul 73
ANDROSTENEDIONE, metabolism/ BINDING, COMPETITIVE/ CYTOSOL/ DEXAMETHASONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETIOCHOLANOLONE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ IN VITRO/ KINETICS/ *LEUKEMIA, LYMPHOBLASTIC, metabolism/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ *PROTEIN BINDING/ RECEPTORS, HORMONE/ TETRAHYDROCORTISOL, metabolism/ THYMIDINE, metabolism/ TRITIUM

2451. **Lipsett MB:** Benign masculinizing adrenal adenomas.
N Engl J Med 289:802-3, 11 Oct 73
ADENOMA, complications/ *ADENOMA, metabolism/ ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLANDS, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, physiology/ HORMONES, ECTOPIC, secretion/ HUMAN/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism/ OVARY, metabolism/ TESTOSTERONE, biosynthesis/ *TESTOSTERONE, secretion/ VIRILISM, etiology

2452. **Lipton JM, Welch JP, Clark WG:** Changes in body temperature produced by injecting prostaglandin E1, EGTA and bacterial endotoxins into the PO-AH region and the medulla oblongata of the rat.
Experientia 29:806-8, 1973
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ *CHELATING AGENTS, pharmacodynamics/ *ENDOTOXINS, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ MALE/ *MEDULLA OBLONGATA, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SUPERIOR COLLICULUS, drug effects/ TYPHOID/ VACCINES, pharmacodynamics

2453. **Lipton P:** Effects of membrane depolarization on light scattering by cerebral cortical slices.
J Physiol (Lond) 231:365-83, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ *CEREBRAL CORTEX, physiology/ CHLORIDES, pharmacodynamics/ ELECTRIC STIMULATION/ GLUCURONATES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ KIDNEY, physiology/ *LIGHT/ LIVER, physiology/ MALE/ *MEMBRANE POTENTIALS/ OPTICS/ OSMOLAR CONCENTRATION/ OUABAIN, pharmacodynamics/ OXYGEN/ POTASSIUM, pharmacodynamics/ SCATTERING/ TETRODOTOXIN, pharmacodynamics/ VERATRINE, pharmacodynamics

2454. **Lis M, Gilardeau C, Chrétien M:** Lipolytic activity of rat pituitaries in vitro. Horm Metab Res 5:253-8, Jul 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ CORTICOTROPIN, physiology/ CYCLOHEXIMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ EPIDIDYMIS, metabolism/ FASTING/ FATTY ACIDS, metabolism/ IN VITRO/ *LIPID MOBILIZATION/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ RATS/ SOMATOTROPIN, physiology/ THYROID GLAND, physiology/ THYROIDECTOMY/ VASOPRESSIN, pharmacodynamics

2455. **Lisboa BP, Plasse JC:** Hydroxylation of delta4-3-oxo-C19-steroids at position C-2 in the human fetus. Acta Endocrinol [Suppl] (Kbh) 173:139, 1973
ADRENAL GLANDS, metabolism/ *ANDROGENS, metabolism/ ANDROGENS, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *FETUS, metabolism/ HUMAN/ HYDROXYLATION/ HYDROXYSTEROIDS, metabolism/ *17-KETOSTEROIDS, metabolism/ 17-KETOSTEROIDS, pharmacodynamics/ MALE/ MICROSOMES, metabolism/ MICROSOMES, LIVER, metabolism/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

2456. **Lisk RD, Ferguson DS:** Neural localization of estrogen-sensitive sites for inhibition of ovulation in

the golden hamster Mesocricetus auratus. Neuroendocrinology 12:153-60, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ HAMSTERS/ OVARY, physiology/ *OVULATION, drug effects/ PITUITARY GLAND, physiology/ SPECIES SPECIFICITY/ TESTOSTERONE, pharmacodynamics/ *THALAMIC NUCLEI, drug effects

2457. **Lisk RD, Russell JA, Kahler SG, et al:** Regulation of hormonally mediated maternal nest structure in the mouse (Mus musculus) as a function of neonatal hormone manipulation.
Anim Behav 21:296-301, May 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *MATERNAL BEHAVIOR, drug effects/ MICE/ *NESTING BEHAVIOR, drug effects/ OVULATION/ *PROGESTERONE, pharmacodynamics/ PROPIONATES/ SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ SPECIES SPECIFICITY/ *TESTOSTERONE, pharmacodynamics

2458. **Littauer UZ, Inouye H:** Regulation of tRNA.
Annu Rev Biochem 42:439-70, 1973 (416 ref.)
AMINO ACIDS, biosynthesis/ AMINO ACYL T RNA SYNTHETASES, biosynthesis/ BACTERIA, growth & development/ CELL DIFFERENTIATION/ DROSOPHILA MELANOGASTER/ EMBRYO, growth & development/ GENES, LETHAL/ GENES, RECESSIVE/ GENES, SUPPRESSOR/ HORMONES, pharmacodynamics/ MUTATION/ ORGAN SPECIFICITY/ PLANTS, growth & development/ PROTEINS, biosynthesis/ REVIEW/ RNA, NEOPLASM/ *RNA, TRANSFER/ RNA, TRANSFER, biosynthesis/ RNA, TRANSFER, metabolism/ RNA, VIRAL/ TEMPERATURE/ TRANSCRIPTION, GENETIC/ TYROSINE/ VIRUSES

2459. **Litteria M:** Increased incorporation of 3H-lysine in specific hypothalamic nuclei following castration in the male rat. Exp Neurol 40:309-15, Aug 73
*ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CASTRATION/ CELL NUCLEOLUS, metabolism/ FEEDBACK/ *HYPOTHALAMUS, metabolism/ *LYSINE, metabolism/ MALE/ *NERVE TISSUE PROTEINS, biosynthesis/ NEURONS, metabolism/ RATS/ SILVER/ TRITIUM

2460. **Little K:** Observations on the nature and production of proteins in the intercellular matrices of connective tissues. J Pathol 110:1-12, May 73
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ BONE MATRIX, metabolism/ CARTILAGE, metabolism/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN/ *CONNECTIVE TISSUE, metabolism/ *CYTOPLASM/ ELASTIC TISSUE/ EPIPHYSES/ *EXTRACELLULAR SPACE, metabolism/ FROGS/ GELS/ HUMAN/ INFANT/ INTERVERTEBRAL DISK, metabolism/ MICE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ OSSIFICATION, PHYSIOLOGIC/ OSTEOBLASTS, metabolism/ *PROTEINS, biosynthesis/ RABBITS/ X-RAY DIFFRACTION

2461. **Little M, Szendro P, Jungblut PW:** Interrelationship of two microsomal estrogen receptor molecules.
Acta Endocrinol [Suppl] (Kbh) 173:67, 1973
*ESTRADIOL, metabolism/ *ESTRONE, metabolism/ *MICROSOMES, metabolism/ *RECEPTORS, HORMONE/ SWINE/ TRITIUM/ UTERUS, cytology

2462. **Littmann KP, Gerdes H:** Comparative determination of urinary testosterone glucuronide either by gas phase chromatography or by competitive protein binding analysis. Acta Endocrinol [Suppl] (Kbh) 173:111, 1973
BINDING, COMPETITIVE/ CHROMATOGRAPHY, GAS/ GLUCURONATES, urine/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LEYDIG CELLS/ MALE/ METHODS/ *TESTOSTERONE, urine

2463. **Liu FT, Lin HS:** Effect of the contraceptive steroi norethynodrel and mestranol on dental caries activi in young adult female rats.
J Dent Res 52:753-7, Jul-Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *DENTAL CARIES, etiology/ DENTAL CARIES, occurrence/ *DIET, CARIOGENIC/ FEMALE/ INJECTIONS SUBCUTANEOUS/ *MESTRANOL, pharmacodynamics/ *NORETHYNODREL, pharmacodynamics/ RATS/ SALIVARY GLANDS, drug effects

2464. **Liuzzi A, Chiodini PG, Botalla L, et al:** Studio del dinamica incretoria del GH in 43 pazienti affetti acromegalia.
Folia Endocrinol (Roma) 25:393-400, Oct 72 (It
*ACROMEGALY, metabolism/ ACROMEGALY, physiopathology/ ADULT/ ARGININE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERGLYCEMIA, chemically induced/ HYPOGLYCEMIA, chemically induced/ HYPOTHALAMUS, physiopathology/ INSULIN, pharmacodynamics MALE/ MIDDLE AGE/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

2465. **Livanov MN:** K voprosu o pamiati.
Usp Fiziol Nauk 4:19-30, Jan-Mar 73 (14 ref.) (Ru
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CEREBRAL CORTEX, physiology/ CHILD/ COMPUTERS, HYBRID/ CORTICAL SYNCHRONIZATION/ ELECTROPHYSIOLOGY HUMAN/ HYPOTHALAMUS, physiology/ *MEMORY/ MEMORY DISORDERS, physiopathology/ MEMORY, SHORT-TERM/ MIDDLE AGE/ MOTOR CORTEX, physiology/ PHOTIC STIMULATION/ RABBITS/ REVIEW TIME FACTORS/ VISUAL CORTEX, physiology

2466. **LiVolsi VA:** Anti-metastatic effect of aspirin.
Lancet 1:263, 4 Aug 73
ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, prevention & control/ BONE RESORPTION/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ INDOMETHACIN, therapeutic use/ MICE/ *NEOPLASM METASTASIS, prevention & control/ PROSTAGLANDINS, biosynthesis

2467. **LiVolsi VA, Perzin KH, Porter M:** Polyarteritis nodo of the gallbladder, presenting as acute cholecystiti
Gastroenterology 65:115-23, Jul 73
ACUTE DISEASE/ ADULT/ BLOOD VESSELS pathology/ CHOLECYSTECTOMY/ *CHOLECYSTITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GALLBLADDER, pathology/ *GALLBLADDER DISEASES, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ *PERIARTERITIS NODOSA, diagnosis/ PERIARTERITIS NODOSA, drug therapy/ PREDNISONE, therapeutic use

2468. **Llamas R, Forthman HJ:** Respiratory distress syndrome in the adult after cardiopulmonary bypas A successful therapeutic approach.
JAMA 225:1183-6, 3 Sep 73
AGE FACTORS/ AGED/ ANOXEMIA, diagnosis/ ANTIBIOTICS, therapeutic use/ DYSPNEA, diagnosis/ *EXTRACORPOREAL CIRCULATION, adverse effects/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPERVENTILATION, diagnosis/ LUNG, radiography/ MALE/ MIDDLE AGE/ OXYGEN INHALATION THERAPY/ POSITIVE-PRESSURE RESPIRATION/ POSTOPERATIVE COMPLICATIONS/ RESPIRATORY DISTRESS SYNDROME, etiology/ RESPIRATORY INSUFFICIENCY, drug therapy/ *RESPIRATORY

INSUFFICIENCY, etiology/ RESPIRATORY INSUFFICIENCY, microbiology/ RESPIRATORY INSUFFICIENCY, therapy/ SMOKING, complications/ SYNDROME/ TIME FACTORS

. **Llamas R, Vichido I:** Cambios en la actividad de la triptofano pirrolasa y en el contenido de piridín nucleotidos del hígado del ratón, producidos por la L tiroxina y el cortisol.
Rev Invest Clin 25:159-67, Apr-Jun 73 (Spa)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MICE/ *NUCLEOTIDES, metabolism/ *THYROXINE, pharmacodynamics/ *TRYPTOPHAN OXYGENASE, metabolism

Lloyd GG, Rosser RM, Crow MJ: Effect of lithium on thyroid in man. Lancet 2:619, 15 Sep 73
CARBONATES/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ *LITHIUM, adverse effects/ MALE/ SEX FACTORS/ *THYROID GLAND, drug effects

Lloyd GH, Chakrabarti AK: Relapsing peripheral neuropathy in association with renal carcinoma.
J Indian Med Assoc 60:200-6, 16 Mar 73
AGED/ AUTOPSY/ CORTICOTROPIN, therapeutic use/ HUMAN/ *KIDNEY NEOPLASMS, complications/ MALE/ PERIPHERAL NERVE DISEASES, drug therapy/ *PERIPHERAL NERVE DISEASES, etiology/ PREDNISOLONE, therapeutic use/ RECURRENCE

Lloyd HM, Meares JD, Jacobi J: Early effects of stilboestrol on growth hormone and prolactin secretion and on pituitary mitotic activity in the male rat. J Endocrinol 58:227-31, Aug 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *DIETHYLSTILBESTROL, pharmacodynamics/ MALE/ MITOSIS, drug effects/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ TESTIS, anatomy & histology/ TIME FACTORS

Lloyd OL: Effects of diamorphine on various neurones in the rat central nervous system.
Nature [New Biol] 243:153-5, 30 May 73
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS, drug effects/ CELL NUCLEUS, drug effects/ *DIACETYLMORPHINE, pharmacodynamics/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ MESENCEPHALON, cytology/ *MESENCEPHALON, drug effects/ MESENCEPHALON, metabolism/ *NEURONS, drug effects/ NEURONS, metabolism/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism

Lloyd T, Kaufman S: Production of antibodies to bovine adrenal tyrosine hydroxylase: cross-reactivity studies with other pterin-dependent hydroxylases.
Mol Pharmacol 9:438-44, Jul 73
*ADRENAL GLANDS, immunology/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BRAIN, enzymology/ CATALASE, metabolism/ CATTLE/ CROSS REACTIONS/ DIPHENOL OXIDASES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GEL DIFFUSION TESTS/ *HYDROXYLASES/ IMMUNIZATION SCHEDULE/ LIVER, enzymology/ MELANOMA, enzymology/ MICE/ PHENYLALANINE HYDROXYLASE, metabolism/ PRECIPITIN TESTS/ PTERINS/ RABBITS/ RATS/ SHEEP, immunology/ TRITIUM/ TRYPTOPHAN HYDROXYLASE, metabolism/ *TYROSINE HYDROXYLASE

2475. Lobotsky J, Lloyd CW: Variations in the concentrations of androstenedione in peripheral plasma of women the day and during the menstrual cycle.
Steroids 22:133-7, Jul 73
*ANDROGENS, blood/ ANDROSTENEDIONE, blood/ BODY TEMPERATURE/ CIRCADIAN RHYTHM/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ FSH, blood/ HUMAN/ *17-KETOSTEROIDS, blood/ LH, blood/ *MENSTRUATION/ RADIOIMMUNOASSAY/ TIME FACTORS

2476. Loch EG, Meinhof W, Kaiser E: Pathogenese und Therapie chronischrezidivierender Candida-Kolpitiden.
Dtsch Med Wochenschr 98:1476-8, Aug 73 (Ger)
*ANTIBIOTICS, ANTIFUNGAL, therapeutic use/ BENZENE DERIVATIVES/ CERVIX MUCUS, microbiology/ CONTRACEPTIVES, ORAL, adverse effects/ FECES, microbiology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMIDAZOLES, therapeutic use/ *MONILIASIS, VULVOVAGINAL, drug therapy/ MONILIASIS, VULVOVAGINAL, etiology/ RECURRENCE

2477. Loew H, Bronder B, Ritzerfeld W: Untersuchungen über die hormonell gebahnte experimentelle Escherichia-coli-Pyelonephritis der Ratte.
Int J Clin Pharmacol 7:303-6, Jul 73 (Ger)
CAPROATES, administration & dosage/ *DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *ESCHERICHIA COLI INFECTIONS/ *ESTRADIOL, administration & dosage/ FEMALE/ *HYDROXYPROGESTERONE, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ KIDNEY, drug effects/ *PYELONEPHRITIS, chemically induced/ RATS/ SPECIES SPECIFICITY/ UNDECYLENIC ACID, administration & dosage/ VALERATES, administration & dosage

2478. Loew RK, Fesseler A, Ehrenberg-Kieckebusch W: Der Fluoridgehalt nicht durchgebrochener Rattenmolaren in Abhängigkeit vom mütterlichen Fluoridangebot während Paarung, Trächtigkeit und Laktation.
Dtsch Zahnaerztl Z 28:705-10, Jun 73 (Ger)
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BODY WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ FERTILIZATION/ *FLUORIDES, analysis/ FLUORIDES, metabolism/ LACTATION/ *MATERNAL-FETAL EXCHANGE/ *MOLAR, analysis/ PREGNANCY/ RATS/ *TOOTH, UNERUPTED, analysis

2479. Lofts B, Murton RK, Thearle RJ: The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the house sparrow (Passer domesticus). Gen Comp Endocrinol 21:202-9, Aug 73
ANIMAL EXPERIMENTS/ *BEAK, drug effects/ *BIRDS/ FSH, administration & dosage/ *FSH, pharmacodynamics/ LH, administration & dosage/ *LH, pharmacodynamics/ MALE/ ORGAN WEIGHT/ *PIGMENTATION, drug effects/ SEASONS/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

2480. Loge O, Losert W, Jahn P: Insulinfreisetzende Wirkung von Glymidin-Natrium (Glykodiazin), Isopropylnoradrenalin, Glucagon und Theophyllin an chinesischen Streifenhamstern mit spontanem oder streptozotocininduziertem Diabetes mellitus.
Res Exp Med (Berl) 160:292-306, 19 Jun 73 (Ger)
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *GLUCAGON, pharmacodynamics/ HAMSTERS/ *INSULIN, blood/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, enzymology/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ *PYRIMIDINES, pharmacodynamics/ STREPTOZOTOCIN/ *SULFONIC ACIDS,

pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

2481. **Logsdon PJ, Carnright DV, Middleton E Jr, et al:** The effect of phentolamine on adenylate cyclase and on isoproterenol stimulation in leukocytes from asthmatic and nonasthmatic subjects.
J Allergy Clin Immunol 52:148-57, Sep 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, biosynthesis/ ADOLESCENCE/ ADULT/ *ASTHMA, immunology/ CHILD/ DRUG SYNERGISM/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ *LEUKOCYTES, immunology/ MIDDLE AGE/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ TRITIUM

2482. **Lohmann FW, Dissmann T, Totzen R, et al:** Der Funktionszustand des sympatho-adrenalen Systems bei essentieller Hypertonie.
Dtsch Med Wochenschr 98:1539-41, 11 Aug 73 (Ger)
*ADRENAL GLANDS, physiopathology/ EPINEPHRINE, blood/ HEART RATE/ HUMAN/ *HYPERTENSION, physiopathology/ NOREPINEPHRINE, blood/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS

2483. **Lohmann FW, Schleusener H, Adlkofer F:** Die Bedeutung des sympatho-adrenalen Systems für die Kreislaufveränderungen bei Hyperthyreose.
Z Kardiol 62:472-80, May 73 (Ger)
ADULT/ AGED/ ENGLISH ABSTRACT/ *EPINEPHRINE, blood/ HEART RATE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, blood/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ THYROXINE, blood

2484. **Loke YW, Borland R:** The effect of human chorionic gon adotrophin (HCG) on survival of human foetal cells. J Pathol 109:pxii, Jan 73
CELL SURVIVAL/ CELLS, CULTURED/ *FETUS, drug effects/ FETUS, growth & development/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ PREGNANCY/ SKIN, embryology/ TRANSPLANTATION IMMUNOLOGY/ TROPHOBLAST, drug effects

2485. **Lomazova MM:** Protivoretsidivnoe lechenie metiluratsilom i nerobolom bol'nykh lazvennoi bolezn'iu.
Vrach Delo 1:56-7, Jan 73 (Rus)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *METHANDROSTENOLONE, therapeutic use/ *METHYLTHIOURACIL, therapeutic use/ MIDDLE AGE/ PEPTIC ULCER, drug therapy/ *PEPTIC ULCER, prevention & control/ RECURRENCE

2486. **Lomonaco T:** I dati fisio-ppathologici riscontriti nei cosmonauti della missione spaziale Apollo 14.
Minerva Med 63:2151-8, 1972 (Ita)
ADAPTATION, PHYSIOLOGICAL/ *AVIATION MEDICINE/ BLOOD VOLUME/ BODY WEIGHT/ BONE AND BONES, metabolism/ CARDIOVASCULAR SYSTEM, physiopathology/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ EXERTION/ EXTRATERRESTRIAL ENVIRONMENT/ FOOD HABITS/ HEMODYNAMICS/ HUMAN/ MALE/ MINERALS, metabolism/ OXYGEN CONSUMPTION/ SEALED CABIN ECOLOGY/ SLEEP/ *SPACE FLIGHT/ VESTIBULAR FUNCTION TESTS/ WATER-ELECTROLYTE BALANCE/ WEIGHTLESSNESS

2487. **Long JS, Severs WB:** Renin release from the ischaemic kidney. Br J Pharmacol 48:97-105, May 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CISTERNA MAGNA, physiology/ *ISCHEMIA, metabolism/ KIDNEY, blood supply/ KIDNEY, drug effects/ *KIDNEY, metabolism/ LIGATION/ MALE/ NEURONS, physiology/ PAPAVERINE, pharmacodynamics/ PERFUSION/ PHENOLS, pharmacodynamics/ PRESSORECEPTORS, drug effects/ RATS/ *RENIN, metabolism/ SPINAL CORD, physiology/ THALAMUS, physiology/ URETE physiology

2488. **Longenecker DE, Day BN:** Local effect of pregnancy the corpus luteum in the pig: modifications of t utero-ovarian anatomical relationship.
J Anim Sci 37:111-3, Jul 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEU physiology/ FEMALE/ FERTILIZATION/ LIGATION/ *OVARY, anatomy & histology/ OVARY, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ *SWINE, physiology/ *UTERUS, anatomy & histology/ UTERUS, physiology

2489. **Lonigro AJ, Terragno NA, Malik KU, et al:** Different inhibition by prostaglandins of the renal actions pressor stimuli. Prostaglandins 3:595-606, May
*ACETYLCHOLINE, pharmacodynamics/ *ANGIOTENSIN, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLOOD PRESSUR DEPRESSION, CHEMICAL/ *DIURESIS, drug effects/ DOGS/ ELECTRIC STIMULATION/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ KIDNEY, blo supply/ *KIDNEY, drug effects/ KIDNEY, innervation/ MALE/ *NOREPINEPHRINE, antagonists & inhibitors/ PROSTAGLANDINS administration & dosage/ *PROSTAGLANDIN pharmacodynamics/ REGIONAL BLOOD FLOW/ STIMULATION, CHEMICAL

2490. **Lopez Botet E, Merino Sesma J, Blanquer Olivas** Experiencias clínicas con un nuevo corticosteroi oral: dilaster.
Rev Clin Esp 129:489-94, 15 Jun 73 (Sp
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ GLUCOCORTICOIDS, administration & dosage GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROXYSTEROIDS, administratio & dosage/ HYDROXYSTEROIDS, adverse effects/ HYDROXYSTEROIDS, therapeutic us MIDDLE AGE/ *PREGNATRIENES, administration & dosage/ PREGNATRIENES, adverse effects/ PREGNATRIENES, therapeutic use/ PYRAZOLES, administration & dosage/ PYRAZOLES, adverse effects/ PYRAZOLES, therapeutic use

2491. **Lore JM Jr, Chakar SA, Montes M:** Parathyro adenomas causing vocal cord paralysis.
Trans Am Acad Ophthalmol Otolaryngol 76:1397-4
Sep-Oct 72
*ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA radiography/ ADENOMA, surgery/ DIAGNOSI DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, radiography/ PARATHYROID NEOPLASMS, surgery/ THYROIDECTOMY/ *VOCAL CORD PARALYSIS, etiology/ VOCAL CORD PARALYSIS, surgery

2492. **Lorenz J, Hryńczuk B, Janukowicz-Lorenz H:** Wchłanianie 47Ca w przewodzie pokarmowym chorych na kamicę nerkową.
Pol Tyg Lek 28:863-5, 4 Jun 73 (P
ADULT/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTESTINA ABSORPTION/ *KIDNEY CALCULI, metabolism/ MALE/ MIDDLE AGE

2493. **Lorenzini R:** Nostre esperienze cliniche con un farma ad azione anticefalalgica: il Lysoneuro.
Minerva Med 64:2325-9, 1973 (It
ADULT/ AGED/ *ANALGESICS AND ANTIPYRETICS, therapeutic use/

*BRADYKININ, antagonists & inhibitors/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ FEMALE/ HEAD INJURIES, complications/ HEADACHE, classification/ *HEADACHE, drug therapy/ HEADACHE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *NERVE TISSUE PROTEINS, therapeutic use/ NEURALGIA, drug therapy/ *SERONIN, antagonists & inhibitors/ VASCULAR HEADACHE, drug therapy/ WOUNDS AND INJURIES, complications

Losert W: Bedeutung von Adenosin-3',5'-monophosphat für Stoffwechselwirkungen verschiedener Hormone und Pharmaka. Pharmazie 28:351-62, Jun 73 (Ger)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADIPOSE TISSUE, metabolism/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL MEMBRANE PERMEABILITY/ CHEMISTRY/ EPINEPHRINE, physiology/ GLUCAGON, physiology/ GLYCOGEN, biosynthesis/ GLYCOGEN, metabolism/ INSULIN, physiology/ LIPIDS, metabolism/ *LIVER, metabolism/ MEMBRANE POTENTIALS/ PROTEIN BINDING/ PROTEIN KINASE/ PROTEINS, biosynthesis

Losert W, Jahn P, Loge O: Beeinflussung der Insulinkonzentration im Serum von Ratten durch Analoga von Adenosin-3', 5'-monophosphat. Res Exp Med (Berl) 160:307-16, 19 Jun 73 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *INOSINE NUCLEOTIDES, pharmacodynamics/ *INSULIN, blood/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ MALE/ PORTAL VEIN/ RATS/ *URACIL NUCLEOTIDES, pharmacodynamics

Lossnitzer K, Bajusz E, Stauch M: Unterschiedliches Verhalten von Magnesium, Calcium, Kalium und Natrium im Serum, Herz- und Skeletmuskel bei einer erblichen Kardiomyopathie.
Verh Dtsch Ges Inn Med 78:1059-63, 1972 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HAMSTERS/ MAGNESIUM, metabolism/ MUSCLES, metabolism/ *MYOCARDIAL DISEASES, PRIMARY, metabolism/ MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

Loubatiéres AL, Loubatiéres-Mariani MM, Chapal J: Adénosine triphosphate (ATP), adénosine 3'5' monophosphate cyclique (3'5' AMP c) et sécrétion d'insuline. C R Soc Biol (Paris) 166:1742-6, 1972 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ IN VITRO/ *INSULIN, secretion/ PANCREAS, drug effects/ RATS/ STIMULATION, CHEMICAL

Louvet JP, Smilovici W, Bayard F: Dosage radio-immunologique de la testostérone plasmatique. Ann Biol Clin (Paris) 31:305-11, 1973 (Fre)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TRITIUM

Loveless KJ: The effects of radiation upon the cytology of benign and malignant bladder epithelia. Acta Cytol (Baltimore) 17:355-60, Jul-Aug 73
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiotherapy/ AGED/ BLADDER NEOPLASMS, pathology/ *BLADDER NEOPLASMS, radiotherapy/ CARCINOMA, EPIDERMOID, pathology/ CARCINOMA, EPIDERMOID, radiotherapy/ CARCINOMA, TRANSITIONAL CELL, pathology/ *CARCINOMA, TRANSITIONAL CELL, radiotherapy/ CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, radiotherapy/ *EPITHELIAL CELLS, radiation effects/ FEMALE/ HUMAN/ MALE/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radiotherapy/ RADIATION EFFECTS/ URINE, cytology/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, radiotherapy

2500. **Low JA, Galbraith RS, Boston RW:** Maternal urinary estrogen patterns in intrauterine growth retardation. Obstet Gynecol 42:325-9, Sep 73
BIRTH WEIGHT/ *ESTROGENS, urine/ FEMALE/ FETAL DEATH, prevention & control/ FETAL DISEASES, diagnosis/ FETUS, growth & development/ GESTATIONAL AGE/ GROWTH DISORDERS, diagnosis/ HUMAN/ HYPERTENSION, urine/ INFANT, NEWBORN/ MATERNAL AGE/ METHODS/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, urine/ PREGNANCY TOXEMIAS, urine/ PRENATAL DIAGNOSIS/ UTERINE HEMORRHAGE, urine

2501. **Löw O:** Chemie, Pharmakologie und Anwendung des 1-Methylthiocarbamoyl-2-(1'-methylallyl)thiocarbamoylhydrazins (METHALLIBURUM.
Arch Exp Veterinaermed 26:883-938, Dec 72 (Ger)
ABNORMALITIES, DRUG-INDUCED, veterinary/ ADRENAL GLANDS, drug effects/ ALLYL COMPOUNDS, administration & dosage/ ALLYL COMPOUNDS, pharmacodynamics/ ALLYL COMPOUNDS, toxicity/ ANIMAL EXPERIMENTS/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ EGGS/ ENDOCRINE GLANDS, drug effects/ ENGLISH ABSTRACT/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ GENITALIA, FEMALE, drug effects/ GENITALIA, MALE, drug effects/ HUMAN/ HYDRAZINES, administration & dosage/ HYDRAZINES, pharmacodynamics/ HYDRAZINES, toxicity/ LACTATION, drug effects/ MONKEYS/ PITUITARY GLAND, drug effects/ POULTRY/ RATS/ SWINE/ THIOUREA, administration & dosage/ *THIOUREA, pharmacodynamics/ THIOUREA, toxicity/ THYROID GLAND, drug effects

2502. **Löwis of Menar P von, Klemens UH:** Wirkung von hochgereinigtem D-Thyroxin ("Dyno") bei Hyperlipoproteinämien Typ II a und II b.
Verh Dtsch Ges Inn Med 78:1623-5, 1972 (Ger)
CHOLESTEROL, blood/ HUMAN/ HYPERCHOLESTEREMIA, drug therapy/ *HYPERLIPEMIA, drug therapy/ *LIPOPROTEINS, blood/ LIPOPROTEINS, LDL, blood/ PLACEBOS/ *THYROXINE, therapeutic use

2503. **Lózsa A:** A considerable sex difference detectable by paper electrophoresis in the serum lipoprotein spectrum of rabbits.
Acta Physiol Acad Sci Hung 42:137-49, 1972
ADULT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BORATES/ BUFFERS/ *ELECTROPHORESIS, PAPER/ FEMALE/ HUMAN/ LIPIDS, blood/ *LIPOPROTEINS, blood/ MALE/ METHODS/ MIDDLE AGE/ PHOSPHATES/ PUBERTY/ RABBITS/ SEX FACTORS

2504. **Lubicz-Nawrocki CM:** The effect of metabolites of testosterone on the viability of hamster epididymal spermatozoa. J Endocrinol 58:193-8, Aug 73
*ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL SURVIVAL, drug effects/ EPIDIDYMIS/ FERTILITY, drug effects/ FRUCTOSE, analysis/ HAMSTERS/ MALE/ SEMINAL VESICLES, analysis/ *SPERMATOZOA, drug effects/ *STANOLONE, pharmacodynamics/

TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2505. **Lubicz-Nawrocki CM:** Anomalous effects of progesterone on the maturation and survival of spermatozoa in the epididymis of the golden hamster. J Endocrinol 58:199-205, Aug 73
ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL SURVIVAL, drug effects/ DEPRESSION, CHEMICAL/ EPIDIDYMIS/ FERTILITY, drug effects/ HAMSTERS/ INJECTIONS, SUBCUTANEOUS/ LIGATION/ MALE/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ *SPERMATOZOA, drug effects/ STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ VASECTOMY

2506. **Lubicz-Nawrocki CM:** The effect of low doses of human chorionic gonadotrophin on the fertilizing ability of hamster epididymal spermatozoa. J Endocrinol 58:185-92, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ EPIDIDYMIS/ ESTRADIOL, pharmacodynamics/ *FERTILITY, drug effects/ FRUCTOSE, analysis/ *GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HAMSTERS/ MALE/ SEMINAL VESICLES, analysis/ *SPERMATOZOA, drug effects/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, physiology

2507. **Lubicz-Nawrocki CM, Glover TD:** The effects of hypophysectomy and the paradoxical effect of human chorionic gonadotrophin on the viability of hamster spermatozoa. J Endocrinol 58:177-84, Aug 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL SURVIVAL/ FERTILITY, drug effects/ FRUCTOSE, analysis/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HAMSTERS/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ SEMINAL VESICLES, analysis/ *SPERMATOZOA, drug effects/ TESTIS, anatomy & histology/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

2508. **Lucchesi BR, Haley NR:** Failure of potassium canrenoate to alter experimentally induced digitalis arrhythmias. Eur J Pharmacol 22:256-62, Jun 73
ANIMAL EXPERIMENTS/ *ARRHYTHMIA, chemically induced/ CARDANOLIDES/ CATS/ DIGITALIS GLYCOSIDES/ DOGS/ ELECTROCARDIOGRAPHY/ HEART, drug effects/ *HEART RATE, drug effects/ HEART VENTRICLE/ IN VITRO/ KETOSTEROIDS, pharmacodynamics/ MALE/ *MYOCARDIAL DEPRESSANTS, pharmacodynamics/ OUABAIN/ PAPILLARY MUSCLES, drug effects/ *PREGNADIENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ TACHYCARDIA

2509. **Luck IN, Gschwendt M, Hamilton TH:** Oestrogenic stimulation of macromolecular synthesis is correlated with nuclear hormone-receptor complex in neonatal rat uterus. Nature [New Biol] 245:24-5, 5 Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL NUCLEUS, metabolism/ *DNA, biosynthesis/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ LEUCINE, metabolism/ ORGAN WEIGHT/ *PROTEINS, biosynthesis/ RATS/ *RECEPTORS, HORMONE/ *RNA, biosynthesis/ THYMIDINE, metabolism/ TRITIUM/ UTERUS, anatomy & histology/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism

2510. **Lucke C, Glick SM:** Uber den regulatorischen Einb der freien Fettsäuren auf die nächtliche Ausschütt von Wachstrumshormon. Verh Dtsch Ges Inn Med 78:1318-20, 1972 (
ADULT/ CIRCADIAN RHYTHM/ *FATTY ACIDS, NONESTERIFIED, pharmacodynamic FEMALE/ HUMAN/ MALE/ *PITUITARY GLAND, drug effects/ SLEEP/ *SOMATOTROPIN, secretion

2511. **Lucke C, Höffken B, Morgner KD:** Clinical evaluatic L-dopa as a stimulant of STH secretion in normal obese persons and in patietns with acrome Acta Endocrinol [Suppl] (Kbh) 173:103, 197
*ACROMEGALY, metabolism/ ADULT/ *DO pharmacodynamics/ FEMALE/ HUMAN/ MALE/ *OBESITY, metabolism/ PITUITAR GLAND, drug effects/ PITUITARY GLANI secretion/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism/ STIMULATION, CHEMICAL

2512. **Lüderitz B, Naumann D'Alnoncourt C, Avenhaus I al:** Zur kardialen Wirkung der Aldosteronantagonisten--elektrophysiologische Messungen am Papillarmuskel des Herzens. Verh Dtsch Ges Inn Med 78:1066-9, 1972 (
ACTION POTENTIALS, drug effects/ ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ GUINEA PIGS/ *HEART, drug effects/ MALE/ MEMBRAN POTENTIALS, drug effects/ PAPILLARY MUSCLES, drug effects/ *SPIRONOLACTO pharmacodynamics

2513. **Lugaro G, Carrea G, Casellato MM, et al:** Evidence peptidic factor in spermatozoa inhibiting the ova maturation. Biochim Biophys Acta 304:719-24, 28 May
ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, PAPER/ FEMALE/ HYDROCHLORIC ACID/ INTESTINES, enzymology/ MALE/ OVARY, drug effects/ *OVARY, growth & development/ PAPAIN PEPSIN/ PEPTIDES, isolation & purificatic *PEPTIDES, pharmacodynamics/ PHOSPHODIESTERASES/ RATS/ SNAKES/ *SPERMATOZOA, analysis/ TRYPSIN/ ULTRAFILTRATION/ VENOMS

2514. **Luger A:** Zur Pathogenese und Therapie der Kera parenchymatosa. Hautarzt 24:271, Jun 73 (
ADRENAL CORTEX HORMONES, therapeu use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *KERATITIS, drug therapy/ KERATITIS, embryology/ *PENICILLIN, therapeutic use/ PREGNANCY/ *SYPHILIS CONGENITAL, drug therapy

2515. **Luisi M, Franchi F, Romanelli R, et al:** L determinazione radioimmunologica del progeste plasmatico. Nota preliminare. Folia Endocrinol (Roma) 25:424-33, Oct 72 (
ANDROSTENEDIONE, blood/ ANDROSTERONE, blood/ ANTIBODIES/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE HIRSUTISM, blood/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPROGESTERONE, blood/ HYPOGONADISM, blood/ IMMUNE SERUM INDICATORS AND REAGENTS/ MALE/ MENSTRUATION/ *PROGESTERONE, blood RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ VIRILISM, blood

2516. **Lukert BP, Stanbury SW, Mawer EB:** Vitamin D intestinal transport of calcium: effects of prednisolone. Endocrinology 93:718-22, Sep
ANIMAL EXPERIMENTS/ BONE AND BO metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ FEMALE/ HYDROXYCHOLECALCIFEROL, blood/ *HYDROXYCHOLECALCIFEROL, physiolog *INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, metabolism/

INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ *PREDNISOLONE, pharmacodynamics/ RATS

Lukjanova LA: Action de l'éthambutol sur la fonction de la corticosurrénale. Etude expérimentale. G Ital Chemioter 19:36-7, Jan-Jun 72 **(Fre)**
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *ETHAMBUTOL, pharmacodynamics/ PITUITARY-ADRENAL FUNCTION TESTS/ RABBITS

Lüllmann H, Rossen E, Seiler KU: The pharmacokinetics of phentermine and chlorphentermine in chronically treated rats. J Pharm Pharmacol 25:239-43, Mar 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ BILE, metabolism/ BRAIN CHEMISTRY/ CHLORPHENTERMINE, analysis/ CHLORPHENTERMINE, blood/ CHLORPHENTERMINE, metabolism/ CHLORPHENTERMINE, pharmacodynamics/ CHLORPHENTERMINE, urine/ KIDNEY, analysis/ KINETICS/ LIVER, analysis/ LUNG, analysis/ MALE/ MYOCARDIUM, analysis/ *PHENETHYLAMINES, pharmacodynamics/ PHENTERMINE, analysis/ PHENTERMINE, blood/ PHENTERMINE, metabolism/ PHENTERMINE, pharmacodynamics/ PHENTERMINE, urine/ RATS/ SPLEEN, analysis/ TRITIUM

Lunaas T, Onstad O: Oestrogen excretion in two cows with cystic ovaries through periods of frequent rectal palpations and after HCG--progesterone therapy. Nord Vet Med 24:177-80, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE/ *CATTLE DISEASES, urine/ *ESTRADIOL, urine/ *ESTROGENS, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ OVARIAN CYSTS, drug therapy/ OVARIAN CYSTS, pathology/ *OVARIAN CYSTS, veterinary/ PALPATION/ PROGESTERONE, therapeutic use/ RECTUM/ UTERUS, pathology

undbaek K: Growth hormoe and diabetic angiopathy. Adv Metab Disord 2:Suppl 2:191-20, 1973
ADOLESCENCE/ BLOOD SUGAR, analysis/ CAPILLARY PERMEABILITY/ CHILD/ DIABETES MELLITUS, surgery/ DIABETES MELLITUS, JUVENILE, blood/ DIABETIC ANGIOPATHIES, blood/ DIABETIC ANGIOPATHIES, drug therapy/ *DIABETIC ANGIOPATHIES, metabolism/ DIABETIC RETINOPATHY, metabolism/ EXERTION/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOPHYSECTOMY/ MALE/ PHENTOLAMINE, therapeutic use/ PROPRANOLOL, therapeutic use/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism

undberg PO, Wide L: The effect of synthetic luteinizing hormone-releasing hormone on blood levels of luteinizing hormone and follicle stimulating hormone in Klinefelter patients. Int J Fertil 18:97-100, 1973
ADULT/ *FSH, blood/ HUMAN/ IODINE ISOTOPES/ *KLINEFELTER'S SYNDROME, blood/ *LH, blood/ MALE/ MIDDLE AGE/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY

ndin PM, Schooley JC: The influence of prednisolone nd thymectomy on the thoracic duct lymphocyte opulation of the rat. Lymphology 6:90-7, Jun 73
ANIMAL EXPERIMENTS/ CELL COUNT/ *LYMPHOCYTES, drug effects/ *PREDNISOLONE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SUCCINATES/ *THORACIC DUCT/ *THYMECTOMY/ TIME FACTORS

ngu AL, Nicolau G: Ritm circadian monofazic al odului legat de proteine la sobolanul alb. tud Cercet Endocrinol 24:275-8, 1973 **(Rum)**
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *IODINE, blood/ *PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ RATS

2524. **Lust WD, Passonneau JV, Veech RL:** Cyclic adenosine monphosphate, metabolites, and phosphorylase in neural tissue: a comparison a methods of fixation. Science 181:280-2, 20 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN CHEMISTRY/ COMPARATIVE STUDY/ FREEZING/ GLYCOGEN PHOSPHORYLASE, analysis/ *GLYCOGEN PHOSPHORYLASE, metabolism/ *HISTOLOGICAL TECHNICS/ LACTATES, analysis/ MALE/ METHODS/ MICROWAVES/ NITROGEN/ PHOSPHOCREATINE, analysis/ RATS

2525. **Lustenberger AA, Shapiro LR:** Transmission of maleness. N Engl J Med 289:809-10, 11 Oct 73
*CHROMOSOME ABERRATIONS/ HUMAN/ MALE/ *SEX CHROMOSOMES

2526. **Luthman J, Jonson G, Persson J:** The hypocalcemic effect of protamine in goats and sheep. Zentralbl Veterinaermed [A] 20:110-5, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE RESORPTION, drug effects/ FEMALE/ GOATS/ HEPARIN, administration & dosage/ HEPARIN ANTAGONISTS, toxicity/ *HYPOCALCEMIA, chemically induced/ LACTATION, drug effects/ PREGNANCY/ *PROTAMINES, toxicity/ SHEEP

2527. **Lutz H, Hartwich G:** Therapie der Panmyelopathie. Med Klin 68:761-4, 8 Jun 73 (19 ref.) **(Ger)**
ANABOLIC STEROIDS, therapeutic use/ ANEMIA, APLASTIC, drug therapy/ *ANEMIA, APLASTIC, therapy/ ANTIBIOTICS, therapeutic use/ BLOOD TRANSFUSION/ BONE MARROW CELLS, transplantation/ GLUCOCORTICOIDS, therapeutic use/ HEMOSTATICS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ REVIEW/ SPLENECTOMY/ TESTOSTERONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ VITAMINS, therapeutic use

2528. **Lymangrover JR, Brodish A:** Tissue CRF: an extra-hypothalamic corticotrophin releasing factor (CRF) in the peripheral blood of stressed rats. Neuroendocrinology 12:225-35, 1973
ANIMAL EXPERIMENTS/ BLOOD TRANSFUSION/ CEREBRAL VENTRICLES, physiology/ CORTICOSTERONE, blood/ *CORTICOTROPIN RELEASING FACTOR, blood/ ETHYL ETHER/ *HYPOTHALAMUS, physiology/ LAPAROTOMY/ MALE/ PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, physiology/ RATS/ *STRESS

2529. **Lynch HJ, Eng JP, Wurtman RJ:** Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Proc Natl Acad Sci USA 70:1704-7, Jun 73
ACETYLTRANSFERASES, analysis/ ANIMAL EXPERIMENTS/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOGLYCEMIA, chemically induced/ *IMMOBILIZATION/ *INSULIN, pharmacodynamics/ LIGHT/ MALE/ *MELATONIN, biosynthesis/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ *PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiology

2530. **Lynch TJ, Henney HR Jr:** Carbohydrate metabolism in the plasmodium of the myxomycete Physarum flavicomum. Can J Microbiol 19:803-10, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINO ACIDS, metabolism/ AMMONIUM COMPOUNDS, metabolism/ BUFFERS/ *CARBOHYDRATES, metabolism/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CITRATES/ CULTURE MEDIA/ GLUCONATES, metabolism/ GLUCOSE,

metabolism/ MYXOMYCETES, growth & development/ *MYXOMYCETES, metabolism/ NITRATES, metabolism/ PHOSPHATES/ PYRUVATES, metabolism/ SUCCINATES

2531. **Lyngset A**: Det urologiske syndrom hos katt. Nord Vet Med 24:577-85, Nov 72 (40 ref.) (Nor)
ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, veterinary/ *CAT DISEASES/ CATS/ *CYSTITIS, veterinary/ ENGLISH ABSTRACT/ FEMALE/ HYPERPARATHYROIDISM, veterinary/ MALE/ REVIEW/ SYNDROME/ *URETHRAL DISEASES, veterinary/ *URINARY CALCULI, veterinary/ VIRUS DISEASES, veterinary/ WATER-ELECTROLYTE BALANCE

2532. **Lyttle CR, McNabb T, Jellinck PH**: Role of 2,4-dichlorophenol in the oxidation of estradiol by uterine and horseradish peroxidase. Can J Biochem 51:1066-71, Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ ENZYME ACTIVATION/ *ESTRADIOL, metabolism/ FEEDBACK/ FEMALE/ GUANIDINES, administration & dosage/ GUANIDINES, pharmacodynamics/ HYDROGEN PEROXIDE, pharmacodynamics/ OXIDATION-REDUCTION/ PEROXIDASES, antagonists & inhibitors/ *PEROXIDASES, metabolism/ PHENOLS, administration & dosage/ *PHENOLS, pharmacodynamics/ *PLANTS, enzymology/ RATS/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ UREA, administration & dosage/ UREA, pharmacodynamics/ *UTERUS, enzymology

M

2533. **Mabry PD, Campbell BA**: Serotonergic inhibition of catecholamine-induced behavioral arousal. Brain Res 49:381-91, 30 Jan 73
ANIMAL EXPERIMENTS/ *AROUSAL, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ DEXTRO AMPHETAMINE, administration & dosage/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DRUG SYNERGISM/ HIPPOCAMPUS, physiology/ HYDROXYTRYPTOPHAN, pharmacodynamics/ INHIBITION, NEURAL, drug effects/ *LOCOMOTION, drug effects/ MALE/ MOTOR ACTIVITY, drug effects/ RATS/ RESERPINE, pharmacodynamics/ *SEROTONIN, antagonists & inhibitors

2534. **McArthur WP, Gilmour DG, Thorbecke GJ**: Immunocompetent cells in the chicken. II. Synergism between thymus cells and either bursa or bone marrow cells in the humoral immune response to sheep erythrocytes. Cell Immunol 8:103-11, Jul 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIBODY FORMATION/ *ANTIBODY PRODUCING CELLS, immunology/ *BONE MARROW CELLS, immunology/ BURSA OF FABRICIUS, drug effects/ CHICKENS/ CYCLOPHOSPHAMIDE, pharmacodynamics/ ERYTHROCYTES, immunology/ FEMALE/ HEMOLYTIC PLAQUE TECHNIC/ IMMUNOSUPPRESSION/ RADIATION EFFECTS/ SHEEP, immunology/ SPLEEN, radiation effects/ TESTOSTERONE, pharmacodynamics/ *THYMUS GLAND, immunology

2535. **McCaa RE, Young DB, Bower JD, et al**: Stimulation of aldosterone secretion by sodium depletion in anephric man. Trans Am Soc Artif Intern Organs 19:287-92, 1973
ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ BLOOD PRESSURE/ BODY FLUIDS/ BODY WEIGHT/ EXTRACELLULAR SPACE/ HEMODIALYSIS/ HUMAN/ HYDROCORTISONE, blood/ *NEPHRECTOMY/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *SODIUM, blood/ ULTRAFILTRATION

2536. **MacCallum DK, Conn JW, Baker BL**: Ultrastructure of a renin-secreting juxtaglomerular cell tumor of the kidney. Invest Urol 11:65-74, Jul 73
ADOLESCENCE/ CAPILLARIES, pathology/ CELL NUCLEUS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ DESMOSOMES ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HUMAN/ HYPERALDOSTERONISM, etiology/ HYPERTENSION, etiology/ *JUXTAGLOMERULAR APPARATUS/ KIDN NEOPLASMS, complications/ KIDNEY NEOPLASMS, diagnosis/ *KIDNEY NEOPLASMS, pathology/ MALE/ MAST CELLS/ MICROSCOPY, ELECTRON/ RENIN blood/ *RENIN, secretion

2537. **MacConaill MA**: Calcospheritic calcification o cartilage. J Anat 115:23-7, May 73
*CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, growth & development/ CARTILAGE, transplantation/ CHILD/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICROSCOPY, POLARIZATION/ TRANSPLANTATION, AUTOLOGOUS

2538. **McConkey B**: Osteoporosis and long-term corticosteroid therapy. Br Med J 3:498, 1 Sep
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORT HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ARTHRITIS, RHEUMATOID, complications/ CUSHING'S SYNDROME, chemically induce FEMALE/ HUMAN/ *OSTEOPOROSIS, chemically induced/ PURPURA, chemically induced

2539. **McCormack CE**: Acute effects of altered photoper on the onset of ovulation in gonadotropin-trea immature rats. Endocrinology 93:403-10, Aug
ANIMAL EXPERIMENTS/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *LIGHT/ *OVULATION/ OVULATION, drug effects/ PUBERTY, drug effects/ RATS/ TIME FACTORS

2540. **McCracken JA, Baird DT, Carlson JC, et al**: The rol prostaglandins in luteal regression. J Reprod Fertil [Suppl] 18:133-42, Jul 73 (91 r
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CATTLE/ CHROMATOGRAPH GAS/ *CORPUS LUTEUM, physiology/ FEMALE/ GUINEA PIGS/ HUMAN/ HYSTERECTOMY/ LH, blood/ MASS SPECTRUM ANALYSIS/ OVARY, physiology PROSTAGLANDINS, blood/ *PROSTAGLANDINS, physiology/ REVIEW/ SHEEP

2541. **McDicken WN, Lindsay M, Robertson DA**: A multi store for diagnostic ultrasonic images. Ultrasonics 11:182-5, Jul 73
ABDOMEN/ CYSTS, diagnosis/ *DATA DISPLAY/ FEMALE/ HUMAN/ OVARIAN CYSTS, diagnosis/ TELEVISION/ ULTRASONICS, diagnostic use/ *ULTRASONICS, instrumentation

2542. **Macdonald HN, Good W, Hancock KW**: Biochem changes in pregnancies following ovulation-induct therapy. J Obstet Gynaecol Br Commonw 80:481-5, Jun
ADULT/ AMENORRHEA, drug therapy/ BLOOD PROTEINS, analysis/ CARBON DIOXIDE, blood/ CHLORIDES, blood/ FEMALE/ GONADOTROPINS, pharmacodynamics/ *GONADOTROPINS, therapeutic use/ HUMAN/ OSMOLAR CONCENTRATION/ *OVULATION, drug effects/ POTASSIUM, blood/ *PREGNANCY/ PUERPERIUM/ SERUM ALBUMIN, analysis/ SODIUM, blood/ *STERILITY, FEMALE, dru therapy/ TIME FACTORS/ UREA, blood

2543. **Macdonald I**: Effect on serum lipids of dietary sucr and fructose. Acta Med Scand [Suppl] 542:215-9, 1972 (39 re
CHOLESTEROL, blood/ DEPRESSION, CHEMICAL/ *DIETARY CARBOHYDRATES/ DIETARY FATS/ DIETARY PROTEINS/ ESTROGENS, pharmacodynamics/ FASTING/

FATTY ACIDS, pharmacodynamics/ FEMALE/ FRUCTOSE, metabolism/ *FRUCTOSE, pharmacodynamics/ HUMAN/ HYPERLIPEMIA, blood/ INSULIN, blood/ *LIPIDS, blood/ MALE/ REVIEW/ SEX FACTORS/ STIMULATION, CHEMICAL/ *SUCROSE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ *TRIGLYCERIDES, blood/ VASCULAR DISEASES, etiology

. **McDonald JA, Kelley WN**: Lesch-Nyhan syndrome: absence of the mutant enzyme in erythrocytes of a heterozygote for both normal and mutant hypoxanthine-guanine phosphoribosyl transferase.
Biochem Genet 6:21-6, Feb 72
CARBON ISOTOPES/ *ERYTHROCYTES, enzymology/ FEMALE/ FIBROBLASTS, enzymology/ GENES, STRUCTURAL/ HETEROZYGOTE/ HUMAN/ INOSINE NUCLEOTIDES/ KINETICS/ LESCH-NYHAN SYNDROME, blood/ *LESCH-NYHAN SYNDROME, enzymology/ LESCH-NYHAN SYNDROME, pathology/ LINKAGE (GENETICS)/ MUTATION/ PENTOSEPHOSPHATES/ *PENTOSYLTRANSFERASES, blood/ PYROPHOSPHORIC ACIDS/ RIBOSE/ SEX CHROMOSOMES/ SKIN, cytology

McDonald TF, Sachs HG, DeHaan RL: Tetrodotoxin desensitization in aggregates of embryonic chick heart cells.
J Gen Physiol 62:286-302, Sep 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHICK EMBRYO/ CYCLOHEXIMIDE, pharmacodynamics/ HEART, drug effects/ *HEART, embryology/ MYOCARDIUM, metabolism/ TETRODOTOXIN, administration & dosage/ *TETRODOTOXIN, pharmacodynamics/ TIME FACTORS

McDonald TJ, Farley RD, March RB: Pharmacological profile of the excitatory neuromuscular synapses of the insect retractor unguis muscle.
Comp Gen Pharmacol 3:327-38, Sep 72
AMMONIUM COMPOUNDS, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BIOGENIC AMINES, pharmacodynamics/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ CURARE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ GLUTAMATES, pharmacodynamics/ *GRASSHOPPERS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODOACETATES, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, drug effects/ *NEUROMUSCULAR JUNCTION, drug effects/ NEURONS, drug effects/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENOTHIAZINES, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ *SYNAPSES, drug effects

McDonald TM, Kinsella JE: Stearyl-CoA desaturase of bovine mammary microsomes.
Arch Biochem Biophys 156:223-31, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COENZYME A/ FATTY ACID DESATURASES, metabolism/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *HYDROXYLASES, metabolism/ KINETICS/ LACTATION/ MAMMAE, cytology/ *MAMMAE, enzymology/ *MICROSOMES, enzymology/ NAD, pharmacodynamics/ NADP, pharmacodynamics/ OLEIC ACID, pharmacodynamics/ ORGAN SPECIFICITY/ PALMITIC ACID, pharmacodynamics/ RATS/ STEARIC ACID/ THERMODYNAMICS/ TIME FACTORS

lcDonald-Gibson RG, Flack JD, Ramwell PW: Inhibition of prostaglandin biosynthesis by 7-oxa- and 5-oxa-prostaglandin analogues.
Biochem J 132:117-20, Jan 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ BIOLOGICAL ASSAY/ CATTLE/ COLON/ GERBILS/ KINETICS/ MULTIENZYME COMPLEXES, metabolism/ OXYGENASES, metabolism/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

2549. **McDonald-Gibson WJ, McDonald-Gibson RG, Greaves MW**: Prostaglandin E1 metabolism by human plasma.
Prostaglandins 2:251-63, Oct 72
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, THIN LAYER/ ENZYMES, blood/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ PLASMA/ *PROSTAGLANDINS, blood/ SCINTILLATION COUNTERS/ TEMPERATURE/ TRITIUM

2550. **McEwen BS, Wallach G**: Corticosterone binding to hippocampus: nuclear and cytosol binding in vitro.
Brain Res 57:373-86, 27 Jul 73
AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ BLOOD PROTEINS, metabolism/ *CELL NUCLEUS, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ *CORTICOSTERONE, metabolism/ *CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ DINITROPHENOLS, pharmacodynamics/ FLUORIDES, pharmacodynamics/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, metabolism/ HYDROCORTISONE, metabolism/ HYPOTHALAMUS, metabolism/ IN VITRO/ IODOACETATES, pharmacodynamics/ MALE/ MESENCEPHALON, metabolism/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ SULFHYDRYL COMPOUNDS, pharmacodynamics/ SUPERIOR COLLICULUS, metabolism/ TEMPERATURE/ TRITIUM

2551. **McFarlane JE, Fong KT**: Differences in the effect of drugs on young and old hearts of the house cricket, Acheta domesticus (L.).
Comp Gen Pharmacol 3:271-6, Sep 72
ACETYLCHOLINE, pharmacodynamics/ AGE FACTORS/ AGING/ ANIMAL EXPERIMENTS/ ARECOLINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ *HEART, drug effects/ HEART RATE, drug effects/ IN VITRO/ *INSECTS/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TUBOCURARINE, pharmacodynamics

2552. **MacFarlane MD**: Possible rationale for procaine (Gerovital H3) therapy in geriatrics: inhibition of monoamine oxidase.
J Am Geriatr Soc 21:414-8, Sep 73
AGED/ *AGING, drug effects/ AMINES, metabolism/ BIOLOGICAL ASSAY/ BRAIN, metabolism/ CATECHOLAMINES, physiology/ COMPARATIVE STUDY/ DEPRESSION, drug therapy/ FEMALE/ HUMAN/ IN VITRO/ IPRONIAZID, therapeutic use/ *MONOAMINE OXIDASE INHIBITORS, therapeutic use/ *PROCAINE, therapeutic use/ PROPIOPHENONES, metabolism/ RATS/ SEROTONIN, metabolism

2553. **McGarry PC, Roe DA**: Development of sulfur depletion in pregnant and fetal rats: interaction of protein restriction and indole or salicylamide administration.
J Nutr 103:1279-90, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASEIN, administration & dosage/ DIETARY PROTEINS, administration & dosage/ FEMALE/ FETUS, drug effects/ FETUS, growth & development/ *FETUS, metabolism/ INDICAN, urine/ *INDOLES, pharmacodynamics/ LIVER, anatomy & histology/ LIVER, metabolism/ MATERNAL-FETAL EXCHANGE/ METHIONINE, pharmacodynamics/ ORGAN WEIGHT/ PLACENTA, metabolism/

PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PROTEIN DEFICIENCY, metabolism/ RATS/ *SALICYLAMIDES, pharmacodynamics/ SULFATES, metabolism/ SULFATES, urine/ *SULFUR, metabolism/ SULFUR ISOTOPES

2554. **McGaughey RW, Chang MC:** Initial chromosomal lesions induced by x-irradiating primary spermatocytes of mice.
Can J Genet Cytol 15:341-8, Jun 73
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ MALE/ MICE/ *RADIATION EFFECTS/ SPERMATOZOA, cytology/ *SPERMATOZOA, radiation effects/ TESTIS, cytology/ TIME FACTORS

2555. **McGeown MG:** Immunosuppression for kidney transplantation. Lancet 2:310-2, 11 Aug 73
AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, pharmacodynamics/ GRAFT REJECTION/ GRAFT VS HOST REACTION, drug effects/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ *IMMUNOSUPPRESSION/ KIDNEY, immunology/ *KIDNEY, transplantation/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, pharmacodynamics/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

2556. **McGill TE, Haynes CM:** Heterozygosity and retention of ejaculatory reflex after castration in male mice.
J Comp Physiol Psychol 84:423-9, Aug 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CASTRATION/ *EJACULATION/ ENVIRONMENT/ GENES/ GENETICS, BEHAVIORAL/ GENOTYPE/ *HETEROZYGOTE/ HOUSING, ANIMAL/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *REFLEX/ *SEX BEHAVIOR, ANIMAL

2557. **McGuire J:** Three sites for hormonal control of the pigment cell. Adv Biol Skin 12:421-45, 1972
ADDISON'S DISEASE, physiopathology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ BINDING SITES/ DIPHENOL OXIDASES, metabolism/ ENZYME ACTIVATION, drug effects/ FISHES/ FROGS/ *HORMONES physiology/ HUMAN/ IN VITRO/ KERATIN, metabolism/ MELANIN, biosynthesis/ MELANIN, physiology/ MELANOCYTES, metabolism/ *MELANOCYTES, physiology/ MSH, pharmacodynamics/ PIGMENTS, metabolism/ *PIGMENTS, physiology/ RANA PIPIENS/ RATS/ *RECEPTORS, HORMONE/ REVIEW/ SKIN, drug effects/ SKIN, enzymology/ SYMPATHOMIMETICS, pharmacodynamics

2558. **McGuire L, Bariso CD, Van Petten LE, et al:** 5 Alpha-dihydrotestosterone-induced changes in the rat prostate. Invest Urol 11:101-5, Sep 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, administration & dosage/ ESTRADIOL, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ MALE/ PROSTATE, drug effects/ PROSTATE, metabolism/ PROSTATIC HYPERTROPHY, chemically induced/ *PROSTATIC HYPERTROPHY, etiology/ RATS/ SESAME OIL, administration & dosage/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2559. **McGuire WL, DeLaGarza M, Chamness GC:** Estrogen receptor in a prolactin secreting pituitary tumor (MtTW5). Endocrinology 93:810-3, Oct 73
ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ *CYTOSOL, metabolism/ DEXTRAN/ *ESTRADIOL, metabolism/ FEMALE/ OVARY, physiology/ *PITUITARY NEOPLASMS, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE TEMPERATURE/ TRITIUM

2560. **Mach B, Mossor-Ostrowska J, Wilkoń B:** Przyczyne leczenia śpiaczki watrobowej w przebiegu wirusowego zapalenia watroby.
Wiad Lek 26:1255-8, 1 Jul 73 (
ADRENAL CORTEX HORMONES, therapeu use/ ADULT/ ANTIBIOTICS, therapeutic u BLOOD TRANSFUSION/ ENGLISH ABSTRACT/ HEPATIC COMA, complication *HEPATIC COMA, drug therapy/ *HEPATI INFECTIOUS, complications/ HUMAN/ LIP ACID, therapeutic use/ MALE/ STROPHANTHIN, therapeutic use/ THIAMI PYROPHOSPHATE, therapeutic use

2561. **MacIndoe JH, Turkington RW:** Stimulation of hu prolactin secretion by intravenous infusion L-tryptophan. J Clin Invest 52:1972-8, Aug
ADOLESCENCE/ ADULT/ AMINO ACIDS, pharmacodynamics/ BLOOD SUGAR, analysi CHILD/ CHLORPROMAZINE, pharmacodynamics/ DIABETES MELLITUS, JUVENILE, blood/ FEMALE/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYTRYPTOPHAN, pharmacodynamic HYPOPITUITARISM, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INFUSIONS, PARENTERAL/ blood/ MALE/ METHYSERGIDE, pharmacodynamics/ PROLACTIN, blood/ *PROLACTIN, secretion/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ TRYPTOPHAN, administration & dosage/ *TRYPTOPHAN, pharmacodynamics

2562. **McKenna TJ, Golden EN:** Bronchospasm, pulmor infiltration and eosinophilia rapid response prednisone. Ir J Med Sci 142:162-5, Jul 73
AGED/ BRONCHIAL SPASM, complications/ *BRONCHIAL SPASM, drug therapy/ FEMALE/ HUMAN/ LOEFFLER'S SYNDRO complications/ *LOEFFLER'S SYNDROME, drug therapy/ LUNG DISEASES, complications/ *LUNG DISEASES, drug therapy/ *PREDNISONE, therapeutic use

2563. **McKeown BA, Leatherland JF:** Fine structure of adenohypophysis in immature sockeye salmo Oncorhynchus nerka.
Z Zellforsch Mikrosk Anat 140:459-71, 16 Jul
ANIMAL EXPERIMENTS/ BASOPHILS, cytology/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CILIA/ CORTICOTROPIN/ CYTOPLASMIC GRANULES/ DESMOSOMES, ENDOPLASMIC RETICULUM/ FRESH WATER/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PINOCYTOSIS/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ PROLACTIN/ *SALMONIDAE, anatomy & histology/ SEAWATER

2564. **McLaren A:** Endocrinology of implantation.
J Reprod Fertil [Suppl] 18:159-66, Jul 73 (47 re
ANIMAL EXPERIMENTS/ CONTRACEPTIVE AGENTS/ DECIDUA, physiology/ ESTROGENS, physiology/ FEMALE/ GUINEA PIGS/ HUMAN/ MARSUPIALIA/ *NIDATIO ORGAN CULTURE/ OVULATION/ OVUM/ PREGNANCY/ PROGESTERONE, analysis/ *PROGESTERONE, physiology/ RABBITS/ RATS/ REVIEW/ UTERUS, analysis/ UTERU physiology

2565. **McLean BK, Nikitovitch-Winer MB:** Corpus lute function in the rat: a critical period for lut activation and the control of luteal maintenan
Endocrinology 93:316-23, Aug 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ CERVIX UTERI, physiology/ *CORPUS LUTEUM, drug effects/ DECIDUA, drug effects/ ELECTRIC STIMULATION/ FEMAL *IMMUNE SERUMS, pharmacodynamics/ LH, physiology/ OVARY, drug effects/ PREGNANCY/ PROGESTATIONAL HORMONES, blood/ *PROGESTATIONAL

HORMONES, physiology/ PROGESTERONE, physiology/ PSEUDOPREGNANCY/ RATS/ TRITIUM

. **McLean WM, Campolongo JT**: Carbazochrome salicylate as a parenteral hemostat in tonsillectomy.
Can J Surg 16:333-4, Sep 73
ADRENALECTOMY/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ FEMALE/ *HEMOSTATICS, administration & dosage/ HEMOSTATICS, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ PLACEBOS/ POSTOPERATIVE COMPLICATIONS, prevention & control/ *TONSILLECTOMY

McLees BD, Finch ED: Analysis of reported physiologic effects of microwave radiation.
Adv Biol Med Phys 14:163-223, 1973 (34 ref.)
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ BLOOD, radiation effects/ BODY TEMPERATURE/ BONE AND BONES/ CHROMIUM ISOTOPES/ *ELECTROMAGNETICS/ ENDOCRINE GLANDS, radiation effects/ EYE, radiation effects/ HUMAN/ IODINE ISOTOPES/ IRON ISOTOPES/ MALE/ MAXIMUM PERMISSIBLE EXPOSURE LEVEL/ *MICROWAVES/ ORGAN SPECIFICITY/ OSMOTIC FRAGILITY/ *RADIATION EFFECTS/ REVIEW/ SKIN/ SPECIES SPECIFICITY/ TEMPERATURE/ TIME FACTORS/ ZINC ISOTOPES

McLennan JE, Rosenbaum AE, Tyler HR: Prevention of postmyelographic and postpneumoencephalographic headache by single dose intrathecal methyl-prednisolone acetate.
Headache 13:39-48, Jul 73
ADULT/ CLINICAL RESEARCH/ FEMALE/ HEADACHE, etiology/ *HEADACHE, prevention & control/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ *MYELOGRAPHY, adverse effects/ *PNEUMOENCEPHALOGRAPHY, adverse effects

MacMahon B, Cole P: The ovarian etiology of human breast cancer.
Recent Results Cancer Res 39:185-92, 1972 (25 ref.)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ASIA/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, occurrence/ CASTRATION/ CHILD/ CLIMACTERIC/ ESTRIOL, urine/ FEMALE/ HUMAN/ MENARCHE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ NORTH AMERICA/ *OVARY, physiology/ PARITY/ PREGNANCY/ PREGNANCY COMPLICATIONS/ REVIEW

IcMaster-Kaye R, Kaye JS: An electrophoretic analysis of the histones of the house cricket.
Arch Biochem Biophys 156:426-36, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL NUCLEUS, analysis/ *DIGESTIVE SYSTEM, analysis/ DIGESTIVE SYSTEM, cytology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HISTONES, isolation & purification/ *INSECTS, analysis/ MERCAPTOETHANOL/ OXIDATION-REDUCTION/ TESTIS, analysis/ THYMUS GLAND, analysis/ UREA

acMillan DR, Brown AM, Matheny AP Jr, et al: Relations between placental concentrations of horionic somatomammotropin (placental lactogen) nd growth: a study using the twin method.
ediatr Res 7:719-23, Aug 73
BIRTH WEIGHT/ BODY HEIGHT/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ FEMALE/ FETUS, growth & development/ FOLLOW-UP STUDIES/ *GROWTH/ HUMAN/ INFANT, NEWBORN/ ORGAN WEIGHT/ *PLACENTA, analysis/ *PLACENTAL LACTOGEN, analysis/ PREGNANCY/ RADIOIMMUNOASSAY/ *TWINS

Natty KP, Revefeim KJ, Young A: Peripheral plasma rogesterone concentrations in sheep during the strous cycle. J Endocrinol 58:219-25, Aug 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, physiology/ DARKNESS/ *ESTRUS/ FEMALE/ *PROGESTERONE, blood/ PROTEIN BINDING/ *SHEEP, physiology

2573. **Macneil AR**: Tracheal stenosis. Warning. Danger.
NS Med Bull 52:161, Aug 73
ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ *TRACHEAL STENOSIS/ TRACHEAL STENOSIS, diagnosis/ TRACHEAL STENOSIS, drug therapy/ TRACHEAL STENOSIS, therapy/ VASOCONSTRICTOR AGENTS, therapeutic use

2574. **McNeill JH, Hook JB, Davis RS**: Inhibition and enhancement of the noradrenaline constrictor response by methylxanthines.
Can J Physiol Pharmacol 51:553-5, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ MESENTERIC ARTERIES, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PHOSPHODIESTERASES, antagonists & inhibitors/ *THEOBROMINE, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

2575. **McNeill TA, Fleming WA**: Cellular responsiveness to stimulation in vitro: strain differences in hemopoietic colony forming cell responsiveness to stimulating factor and suppression of responsiveness by glucocorticoids. J Cell Physiol 82:49-58, Aug 73
AGE FACTORS/ *BONE MARROW CELLS, immunology/ CELL DIVISION/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CLONE CELLS/ *HYDROCORTISONE, pharmacodynamics/ *LEUKOCYTES/ *MACROPHAGES/ MICE/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ SEX FACTORS/ SPECIES SPECIFICITY/ SPLEEN, cytology

2576. **McNeilly AS, Hall R**: G.H.R.I.H.: an omission in methods. Lancet 2:744, 29 Sep 73
HUMAN/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ *SOMATOTROPIN, secretion

2577. **MacRae KD**: Statistical aspects of a co-operative trial on the treatment of ovarian carcinoma.
Postgrad Med J 49:78-80, Feb 73
AUTOMATIC DATA PROCESSING/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, drug therapy/ *PREGNANES, therapeutic use/ RESEARCH DESIGN/ STATISTICS

2578. **McReynolds HD, Siraki CM, Bramson PH, et al**: Smooth muscle-like cells in ovaries of the hamster and gerbil.
Z Zellforsch Mikrosk Anat 140:1-8, 20 Jun 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ ERYTHROCYTES, cytology/ FEMALE/ FIBROBLASTS, cytology/ GERBILS, anatomy & histology/ GLYCOGEN/ *HAMSTERS, anatomy & histology/ HISTOLOGY, COMPARATIVE/ LIPIDS/ MICROSCOPY, ELECTRON/ *MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, physiology/ *OVARY, cytology/ OVULATION/ PINOCYTOSIS

2579. **Madden JW, Davis WM, Butler C 2nd, et al**: Experimental esophageal lye burns. II. Correcting established strictures with beta-aminopropionitrile and bougienage. Ann Surg 178:277-84, Sep 73
AMINOPROPIONITRILE, administration & dosage/ *AMINOPROPIONITRILE, therapeutic use/ ANIMAL EXPERIMENTS/ BURNS, CHEMICAL, drug therapy/ BURNS, CHEMICAL, pathology/ BURNS, CHEMICAL, radiography/ *BURNS, CHEMICAL, therapy/ *CAUSTICS, adverse effects/ DILATATION/ DOGS/ ESOPHAGEAL STENOSIS, drug therapy/ ESOPHAGEAL STENOSIS, etiology/ ESOPHAGEAL STENOSIS, pathology/

ESOPHAGEAL STENOSIS, radiography/ *ESOPHAGEAL STENOSIS, therapy/ INJECTIONS, INTRAPERITONEAL/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ *SODIUM HYDROXIDE/ TIME FACTORS

2580. **Madill D, Bassett JM:** Corticosteroid release by adrenal tissue from foetal and newborn lambs in response to corticotrophin stimulation in a perifusion system in vitro. J Endocrinol 58:78-87, Jul 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ ORGAN WEIGHT/ PERFUSION/ PREGNANCY/ SHEEP/ TRITIUM

2581. **Maeda HR, Seki M, Seki K, et al:** Effects of clomiphene, cyclofenil, epimestrol and Ro 4-8347 on pituitary and serum prolactin in mature female rats. Endocrinol Jap 19:525-32, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ *CLOMIPHENE, pharmacodynamics/ COMPARATIVE STUDY/ CYCLOFENIL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRANES, pharmacodynamics/ ESTRUS/ FEMALE/ *FERTILITY AGENTS, pharmacodynamics/ HYDROXYSTEROIDS, pharmacodynamics/ LACTATION/ METHYL ETHER, pharmacodynamics/ PHENOLS/ PITUITARY GLAND, secretion/ *PREGNATRIENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ TRENGESTONE, pharmacodynamics

2582. **Magee PN:** The possible role of chemical carcinogens. Br J Cancer 28:89-90, Jul 73
*BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, occurrence/ *CARCINOGENS/ CONTRACEPTIVES, ORAL, adverse effects/ ENVIRONMENT/ FEMALE/ HUMAN/ NEOPLASMS, occurrence/ NEOPLASMS, EXPERIMENTAL/ RATS

2583. **Magerlein BJ, DuCharme DW, Magee WE, et al:** Synthesis and biological properties of 16-alkylprostaglandins. Prostaglandins 4:143-5, Jul 73
ALKYLATION/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ FERTILITY, drug effects/ HAMSTERS/ *PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics

2584. **Mahler R:** Effect of insulin on lipid metabolism of human arteries.
Adv Metab Disord 2:Suppl 2:49-53, 1973
AGED/ AORTA, drug effects/ *AORTA, metabolism/ ARTERIOSCLEROSIS, metabolism/ CARBON ISOTOPES/ CORONARY VESSELS, drug effects/ *CORONARY VESSELS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMORAL ARTERY, drug effects/ *FEMORAL ARTERY, metabolism/ GLUCAGON, pharmacodynamics/ HUMAN/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ LINOLEIC ACID, metabolism/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

2585. **Mahlstedt J, Joseph K:** Functional behaviour of compensated autonomous nodules of the thyroid after ingestion of iodinated contrast media with strong protein binding.
Acta Endocrinol [Suppl] (Kbh) 173:21, 1973
ALANINE, diagnostic use/ *BENZOATES, diagnostic use/ CONTRAST MEDIA/ GOITER, drug therapy/ HUMAN/ IODINE/ IODOBENZOATES, diagnostic use/ PROTE BINDING/ *THYROID GLAND, drug effec

2586. **Mahlstedt J, Joseph K:** 3 MG L-thyroxine as single for testing thyroidal suppressibility.
Acta Endocrinol [Suppl] (Kbh) 173:19, 197
DEPRESSION, CHEMICAL/ HUMAN/ *THYROID GLAND, drug effects/ THYROXINE, administration & dosage/ *THYROXINE, diagnostic use

2587. **Mahnke PF, Emmrich P:** Zur Mastzellhäufigkei menschlichen Plazentarzotte.
Zentralbl Gynaekol 95:730-2, 25 May 73
FEMALE/ HISTOCYTOCHEMISTRY/ HUM *MAST CELLS/ *PLACENTA, cytology/ PLACENTA DISORDERS, pathology/ PREGNANCY

2588. **Mahnke PF, Jacob C:** Zum Nachweis von Mastzelle Histamin in der menschlichen Plazenta.
Exp Pathol (Jena) 6:355-9, 1972
CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FEMALE/ HEPARIN, metabo HEPARIN, secretion/ HISTAMINE, metabolism/ *HISTAMINE, secretion/ HISTOCYTOCHEMISTRY/ HUMAN/ *MAS CELLS/ *PLACENTA, cytology/ PLACEN metabolism/ PLACENTA, pathology/ PLACENTA, secretion/ PREGNANCY

2589. **Mahon DF, McAfee JG:** Experimental comparis radioactive agents for studies of the pla
J Nucl Med 14:651-9, Sep 73
ANIMAL EXPERIMENTS/ BONE MARRO metabolism/ CHROMIUM ISOTOPES, diag use/ COBALT ISOTOPES, diagnostic use/ COMPARATIVE STUDY/ DYSPROSIUM, diagnostic use/ FETUS, metabolism/ GALLIUM, diagnostic use/ GOLD ISOTOP diagnostic use/ INDIUM, diagnostic use/ ISOTOPES, diagnostic use/ KIDNEY, metabolism/ LIVER, metabolism/ MACAC MONKEYS/ MUSCLES, metabolism/ *PLACENTA/ PLACENTA, metabolism/ PREGNANCY/ RABBITS/ *RADIOISOTOP SCANNING/ RADIOISOTOPES, diagnostic SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ SODIUM ISOTOPES, diagn use/ SPLEEN, metabolism/ TECHNETIUM diagnostic use

2590. **Mähr G, Rindler R, Schmalzl F:** Zur Spezifiti Glykogennachweises in Leukocyten, Leber quergestreiftem Muskel. Glykogenhydrolyse -1.4-, -1.6-Amyloglucosidase.
Klin Wochenschr 51:570-1, 1 Jun 73
AMYLOID/ ANIMAL EXPERIMENTS/ CATTLE/ ENGLISH ABSTRACT/ GLUCOSIDASE, metabolism/ *GLYCOGEN analysis/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ *LEUKOCYTES, analysis/ *LIVER GLYCO analysis/ *MUSCLES, analysis/ STAINS A STAINING/ THYROID GLAND, analysis

2591. **Maillard JL, Voisin GA:** Non-hemorrhagic reaction and its independence from circu antibodies and complement.
Int Arch Allergy Appl Immunol 45:190-2,
ANIMAL EXPERIMENTS/ ANTHRANILIC ACID, pharmacodynamics/ *ANTIBODIES/ ANTIGEN-ANTIBODY COMPLEX/ *ARTH PHENOMENON, immunology/ CAPILLAR PERMEABILITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *COMPLEMENT/ GU PIGS/ HEMORRHAGE/ HISTAMINE, pharmacodynamics/ IGG/ INDOMETHACI pharmacodynamics/ KININS, metabolism/ PHENYLBUTAZONE, pharmacodynamics/ PROSTAGLANDINS, metabolism/ SALICYLATES, pharmacodynamics/ SLOV REACTING SUBSTANCES, metabolism/ SNAKES/ TOLUENE, pharmacodynamics/ VENOMS, pharmacodynamics

2592. **Main IH, Whittle BJ:** Effects of indomethacin gastric acid secretion and mucosal blood
Br J Pharmacol 47:666P, Mar 73
ANILINE COMPOUNDS, diagnostic use/

ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, blood supply/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ *INDOMETHACIN, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ RATS/ *REGIONAL BLOOD FLOW, drug effects

Mainwaring WI, Irving R: The use of deoxyribonucleic acid-cellulose chromatography and isoelectric focusing for the characterization and partial purification of steroid-receptor complexes. Biochem J 134:113-27, May 73
*ANDROGENS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CELLULOSE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AFFINITY/ DEXTRAN/ DNA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ GUINEA PIGS/ ISOELECTRIC FOCUSING/ MALE/ PROSTATE, cytology/ PROSTATE, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ *STANOLONE, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM/ UTERUS, cytology/ UTERUS, metabolism

Majewska Z: Guzy mózgu jako przyczyna napadów padaczkowych u dzieci.
Pediatr Pol 48:727-30, Jun 73 **(Pol)**
AGE FACTORS/ *BRAIN NEOPLASMS, complications/ CHILD/ CRANIOPHARYNGIOMA, complications/ ENGLISH ABSTRACT/ *EPILEPSY, etiology/ HUMAN/ JACKSONIAN SEIZURE, etiology/ MENINGIOMA, complications/ OLIGODENDROGLIOMA, complications

Majumder PK, Banerjee SK, Roy RK, et al: Effect of hydrocortisone on the metabolism of L-ascorbic acid in rats. Biochem Pharmacol 22:1829-33, 1 Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ DACTINOMYCIN, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ KIDNEY, metabolism/ LACTONES/ LIVER, metabolism/ MALE/ OXIDOREDUCTASES, antagonists & inhibitors/ RATS/ SPLEEN, metabolism

Makar DA, Skorokhod VI, Chepovskii VS: Vliianie prodolzhitel'nogo vvedeniia tiroksina na lipidnyi obmen v pecheni pri eksperimental'nom tireotoksikoze.
Vrach Delo 1:99-102, Jan 73 **(Rus)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, physiopathology/ *LIPIDS, metabolism/ *LIVER, metabolism/ LIVER, physiopathology/ RATS/ THYROXINE, administration & dosage/ THYROXINE, adverse effects/ THYROXINE, pharmacodynamics/ TIME FACTORS

Makarov IA: Rol' nadpochechnikov v razvitii poststressornoi eozinopenii.
Ter Arkh 44:53-8, Nov 72 **(Rus)**
ADRENAL GLAND HYPERFUNCTION, blood/ ADRENAL GLAND HYPERFUNCTION, etiology/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *EOSINOPHILS/ GLUCOCORTICOIDS, blood/ HISTAMINE, blood/ HUMAN/ *LEUKOPENIA, etiology/ RATS/ STRESS, blood/ STRESS, complications/ *STRESS, physiopathology

Makino T: [Radioimmunoassay of plasma sex steroid hormones]
Folia Endocrinol Jap 49:629-45, 20 Mar 73 **(Jap)**
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ IMMUNE SERUMS/ *PROGESTERONE, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TRITIUM

2599. **Maksimovskiĭ IuM, Ardabatskaia GA, Remizov SM, et al:** Izmenenie mikrotverdosti i liuminestsentonogo svecheniia tverdykh tkaneĭ zubov u bol'nykh gipofizarnym nanizom s iavleniiami gipotireoza. Stomatologiia (Mosk) 52:19-21, Jul-Aug 73 **(Rus)**
*DENTAL ENAMEL, analysis/ *DWARFISM, PITUITARY, complications/ ENGLISH ABSTRACT/ FLUORESCENCE/ HARDNESS/ HUMAN/ *HYPOTHYROIDISM, complications

2600. **Malafosse M:** Les polyposes digestives rares.
Rev Prat 23:2297-8 passim, 1 May 73 **(Fre)**
ALOPECIA/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS/ CHILD/ COLON/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS/ HUMAN/ INTESTINAL POLYPS/ INTESTINAL POLYPS, familial & genetic/ INTESTINE, SMALL/ MALE/ NAILS/ NEOPLASMS, MULTIPLE PRIMARY/ OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME/ POLYPS/ RECTUM/ SKIN DISEASES/ SKIN NEOPLASMS/ SPECIAL LIST FOREIGN/ STOMACH NEOPLASMS

2601. **Malchow D, Fuchila J, Jastorff B:** Correlation of substrate specificity of cAMP-phosphodiesterase in Dictyostelium discoideum with chemotactic activity of cAMP-analogues. FEBS Lett 34:5-9, 1 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CHEMOTAXIS, drug effects/ CHROMATOGRAPHY, DEAE-CELLULOSE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ KINETICS/ MUTATION/ MYXOMYCETES, drug effects/ *MYXOMYCETES, enzymology/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

2602. **Malek RS, Greene LF:** Corticosteroid therapy of postoperative contractures of the vesical neck. J Urol 110:297-8, Sep 73
ADULT/ AGED/ *BLADDER NECK OBSTRUCTION, drug therapy/ BLADDER NECK OBSTRUCTION, etiology/ BLADDER NECK OBSTRUCTION, radiography/ BLADDER NECK OBSTRUCTION, surgery/ FOLLOW-UP STUDIES/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ PHOSPHATES, therapeutic use/ *POSTOPERATIVE COMPLICATIONS, drug therapy/ *PREDNISOLONE, therapeutic use/ PROSTATECTOMY, adverse effects

2603. **Malinek M, Winikoff D:** Diagnostic thyroxine ratio--a screening test. Med J Aust 2:1035, 28 Oct 72
FEMALE/ HUMAN/ METHODS/ PREGNANCY/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

2604. **Maljar L, Sakson N, Szwarc B, et al:** Cardiopatía tirotóxica en el embarazo.
Rev Clin Esp 129:499-502, 15 Jun 73 **(Spa)**
ADMINISTRATION, ORAL/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, drug therapy/ INJECTIONS, INTRAVENOUS/ POTASSIUM IODIDE, administration & dosage/ POTASSIUM IODIDE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, therapeutic use

2605. **Malkinson AM, Ashworth JM:** Adenosine 3':5'-cyclic monophosphate concentrations and phosphodiesterase activities during axenic growth

and differentiation of cells of the cellular slime mould Dictyostelium discoideum.
Biochem J 134:311-9, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CELL DIFFERENTIATION/ CYCLOHEXIMIDE, pharmacodynamics/ MYXOMYCETES, drug effects/ *MYXOMYCETES, enzymology/ MYXOMYCETES, growth & development/ MYXOMYCETES, metabolism/ *PHOSPHODIESTERASES, metabolism/ TIME FACTORS/ TRITIUM

2606. **Mall JC, Genant HK, Rossmann K:** Improved optical magnification for fine-detail radiography.
Radiology 108:707-8, Sep 73
*BONE AND BONES, radiography/ *BONE DISEASES, radiography/ HUMAN/ METHODS/ *RADIOGRAPHIC MAGNIFICATION, instrumentation/ TECHNOLOGY, RADIOLOGIC, instrumentation

2607. **Mallasch M, Hess H, Marshall M:** Ultrahistochemische Untersuchungen an Thrombocyten (Nachweis von biogenen Aminen.
Verh Dtsch Ges Inn Med 78:704-7, 1972 **(Ger)**
*BIOGENIC AMINES, blood/ *BLOOD PLATELETS, analysis/ DOPAMINE, blood/ EPINEPHRINE, blood/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ NOREPINEPHRINE, blood/ SEROTONIN, blood

2608. **Mallette LE, Neblett M, Exton JH, et al:** Phosphorylation of lysine-rich histone in the isolated perfused rat liver. Effects of glucagon, cyclic adenosine 3':5'-monophosphate, and insulin.
J Biol Chem 248:6289-91, 25 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ GLUCAGON, blood/ *GLUCAGON, pharmacodynamics/ *HISTONES, metabolism/ INSULIN, blood/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ LYSINE/ MALE/ PERFUSION/ PHOSPHOPROTEINS, biosynthesis/ PHOSPHORUS ISOTOPES/ PROTEIN KINASE, metabolism/ RATS/ SERINE

2609. **Malone JF, Hendry JH, Porter D:** Comparison of the response of a highly differentiated tissue to single and multiple doses of 14.7 MeV neutron of 137Cs gamma irradiation. Br J Radiol 46:323, Apr 73
ANIMAL EXPERIMENTS/ CESIUM/ ENERGY TRANSFER/ MITOSIS, radiation effects/ NEUTRONS/ *RADIATION EFFECTS/ RATS/ *THYROID GLAND, radiation effects

2610. **Maltinti G, Arzilli F, Simonini N, et al:** The histopathology of Conn's adenoma and of attached adrenal cortex.
Folia Endocrinol (Roma) 26:85-101, Apr 73
ADENOMA, blood/ *ADENOMA, pathology/ ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLANDS, pathology/ ADULT/ ALDOSTERONE, urine/ CHROMATOGRAPHY, GAS/ EOSINOPHILS/ FEMALE/ HUMAN/ HYBRID CELLS/ HYPERALDOSTERONISM, blood/ *HYPERALDOSTERONISM, pathology/ MALE/ MICROTOMY/ RADIOIMMUNOASSAY/ RENIN, blood

2611. **Mambourg A, Girotti M, Hauser GA:** Der Kopfschmerz bei der Frau (Hinweise auf hormonelle Faktoren.
Ther Umsch 30:524-32, Jul 73 **(Ger)**
ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *CORPUS LUTEUM HORMONES, physiology/ ENGLISH ABSTRACT/ *ESTROGENS, physiology/ FEMALE/ HEADACHE, chemically induced/ *HEADACHE, etiology/ HUMAN/ MENSTRUATION

2612. **Mamina VP:** Kolichestvennyĭ gistologicheskiĭ analiz defstvila gamma-obluchenila i tsisteina na semenniki myshef.
Radiobiologiia 13:131-5, Jan-Feb 73 **(Rus)**
ANIMAL EXPERIMENTS/ *CYSTEINE, therapeutic use/ ENGLISH ABSTRACT/ MALE/ MICE/ *RADIATION INJURIES, EXPERIMENTAL, pathology/ RADIATION INJURIES, EXPERIMENTAL, prevention & control/ *RADIATION-PROTECTIVE AGEN therapeutic use/ TESTIS, drug effects/ *TESTIS, pathology/ TESTIS, radiation ef

2613. **Mandell GL:** Interaction of intraleukocytic bacter antibiotics. J Clin Invest 52:1673-9, Jul 7
CARBON ISOTOPES/ HYDROCORTISONE pharmacodynamics/ LYSOSTAPHIN, pharmacodynamics/ OXYGEN CONSUMPT drug effects/ *PENICILLIN, metabolism/ PENICILLIN, pharmacodynamics/ PHAGOCYTOSIS/ RIFAMPIN, pharmacodynamics/ STAPHYLOCOCCUS, effects/ *STAPHYLOCOCCUS, metabolism SULFUR ISOTOPES/ TRITIUM

2614. **Mandelli M, Sereni LP, Sereni F:** Spontan development of cytosolic phosphoenolpyru carboxylase in foetal rat liver cultures.
Biochim Biophys Acta 309:515-20, 6 Jun
ANIMAL EXPERIMENTS/ *CARBOXY-LY biosynthesis/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOSOL, drug effec CYTOSOL, enzymology/ FEMALE/ GESTATIONAL AGE/ GLUCAGON, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, growth & developm ORGAN CULTURE/ PHOSPHOENOLPYRUVATE CARBOXYKI biosynthesis/ PREGNANCY/ RATS

2615. **Mandin H:** Mechanism of natriuresis after clos chronic arteriovenous shunts.
J Clin Invest 52:2225-33, Sep 73
ANIMAL EXPERIMENTS/ *ARTERIOVEN SHUNT, SURGICAL/ DESOXYCORTICOSTERONE, administratic dosage/ DOGS/ FEMORAL ARTERY, sur FEMORAL VEIN, surgery/ GLOMERULA FILTRATION RATE/ INJECTIONS, INTRAMUSCULAR/ INULIN, blood/ INU urine/ KIDNEY, blood supply/ KIDNEY TUBULES, PROXIMAL, physiology/ METHODS/ *NATRIURESIS/ NEPHRONS, physiology/ POTASSIUM, blood/ POTASS urine/ PUNCTURES/ REGIONAL BLOOD FLOW/ SODIUM, blood/ SODIUM, urine

2616. **Manelis G, Sasha S, Suprun H:** [Metastasis testicular tumor to a fetal adenoma of the th
Harefuah 84:597-600, 1 Jun 73
*ADENOMA, pathology/ ADULT/ ENGLIS ABSTRACT/ HUMAN/ MALE/ NEOPLAS METASTASIS/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology/ *THYROID NEOPLASMS, path

2617. **Mangalik A:** Management of acute leuken children. Indian Pediatr 10:67-72, Feb 73
ACUTE DISEASE/ CHILD/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug th MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSI VINCRISTINE, therapeutic use

2618. **Mangan FR, Pegg AE, Mainwaring IP:** A reappr the effects of adenosine 3':5'-cyclic monopho on the function and morphology of the rat p gland. Biochem J 134:129-42, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMA EXPERIMENTS/ BINDING SITES/ CARBOXY-LYASES, metabolism/ CASTRATION/ CYPROTERONE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUCOSEPHOSPHATE DEHYDROGENAS metabolism/ MALE/ ORNITHINE/ PROS cytology/ PROSTATE, drug effects/ *PROSTATE, metabolism/ PROTEIN BIN PUTRESCINE/ RATS/ RNA POLYMERA metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STANOLONE, metaboli

SUBCELLULAR FRACTIONS, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM

Manley J, Rochconger P: Influence de l'allaitement et du sevrage sur l'induction du rythme circadien de type adulte de la corticostérone plasmatique chez le rat.
C R Acad Sci [D] (Paris) 276:2577-80, 2 May 73 **(Fre)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BREAST FEEDING/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ DARKNESS/ FEMALE/ LIGHT/ MALE/ RATS/ TIME FACTORS/ *WEANING

Manitius A, Suchecki T: The mode of action and clinical use of spirolactones. Mater Med Pol 4:83-8, Apr-Jun 72
ALDOSTERONE, metabolism/ *EDEMA, drug therapy/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ RECEPTORS, HORMONE, drug effects/ SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE, adverse effects/ *SPIRONOLACTONE, therapeutic use/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE, drug effects

Mann D, Meyer HG, Förster W: Preliminary clinical experience with the antiarrhythmic effect of PGF2 alpha. Prostaglandins 3:905-12, Jun 73
ADULT/ AGED/ *ARRHYTHMIA, drug therapy/ BLOOD PRESSURE/ ELECTROCARDIOGRAPHY/ EXTRASYSTOLE, drug therapy/ FEMALE/ HEART BLOCK, drug therapy/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ TACHYCARDIA, PAROXYSMAL, drug therapy

Mann DR, Barraclough CA: Role of estrogen and progesterone in facilitating LH release in 4-day cyclic rats. Endocrinology 93:694-9, Sep 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LH, blood/ OVARY, physiology/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS

Manyam NV: Serotonin, lithium, and Huntington's chorea. Lancet 2:331, 11 Aug 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ BRAIN, physiopathology/ *CHOREA, HEREDITARY, cerebrospinal fluid/ CHOREA, HEREDITARY, drug therapy/ *CHOREA, HEREDITARY, metabolism/ CHOREA, HEREDITARY, physiopathology/ DOPAMINE, metabolism/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ *LITHIUM, pharmacodynamics/ *LITHIUM, therapeutic use/ *SEROTONIN, metabolism

Marañón Cabello A: Tiroiditis de De Quervain. Rev Clin Esp 129:323-8, 31 May 73 **(Spa)**
HUMAN/ *THYROIDITIS

Marcel R: Action des substances inhibitrice et trophique sur les cycles sécrétoires des neurones de la chaîne nerveuse ventrale au cours de la régénération chez Eisenia foetida Sav. f. typica (Annélide, Oligochète.
Gen Comp Endocrinol 21:45-59, Aug 73 **(Fre)**
ANIMAL EXPERIMENTS/ *EARTHWORMS, physiology/ *NERVE REGENERATION/ NEUROSECRETION, drug effects/ *NEUROSECRETORY SYSTEMS, drug effects

Marcel R: Cycles sécrétoires de cellules de la chaîne nerveuse au cours de la régénération chez Eisenia foetida Sav. f. typica (Annélide, Oligochète.
Gen Comp Endocrinol 21:30-44, Aug 73 **(Fre)**
ANIMAL EXPERIMENTS/ *EARTHWORMS, physiology/ ENGLISH ABSTRACT/ HEAD, innervation/ *NERVE REGENERATION/ *NEUROSECRETORY SYSTEMS, physiology/ TAIL, innervation

2627. Marcel YL, Aubry F, Davignon J: Effet du glucagon sur l'estérification du cholestérol et les niveaux de cholestérol dans le plasma des sujets normaux et hyperlipidémiques.
Union Med Can 102:876-83, Apr 73 **(Fre)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ *CHOLESTEROL, blood/ ENGLISH ABSTRACT/ ESTERS/ FEMALE/ *GLUCAGON, pharmacodynamics/ HUMAN/ *HYPERLIPEMIA, blood/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ TIME FACTORS

2628. Marchlewska-Koj A: The reduction of triphenyltetrazolium chloride by the mouse uterus during the oestrus cycle.
Bull Acad Pol Sci [Biol] 21:375-81, 1973
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *MICE, metabolism/ MICE, INBRED STRAINS/ *OXIDOREDUCTASES, metabolism/ *TETRAZOLIUM SALTS/ UTERUS, enzymology/ *UTERUS, metabolism

2629. Marcoux J: L'obstruction nasale chez l'enfant.
Vie Med Can Fr 2:477-82, May 73 **(Fre)**
ADENOIDS/ ADRENAL CORTEX HORMONES, therapeutic use/ *AIRWAY OBSTRUCTION, etiology/ ANTIBIOTICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FOREIGN BODIES, complications/ HUMAN/ HYPERSENSITIVITY, complications/ HYPERTROPHY, complications/ NASOPHARYNGEAL DISEASES, complications/ NOSE/ NOSE DEFORMITIES, complications/ *NOSE DISEASES, etiology/ OTITIS, etiology/ RHINITIS, complications/ RHINITIS, drug therapy/ RHINITIS, etiology/ RHINITIS, surgery/ SYMPATHOMIMETICS, therapeutic use

2630. Marcy R, Quermonne MA, Marcais H: Effet synergique du succinate d'oistriol vis-á-vis de l'activité anti-inflammatoire de la phénylbutazone sur l'oedéme aigu de la patte de rat.
Therapie 27:1015-9, Nov-Dec 72 **(Fre)**
ANIMAL EXPERIMENTS/ CARRAGEENAN/ DRUG SYNERGISM/ EDEMA, chemically induced/ *EDEMA, drug therapy/ ENGLISH ABSTRACT/ *ESTRIOL, therapeutic use/ FEMALE/ *PHENYLBUTAZONE, therapeutic use/ RATS/ *SUCCINATES, therapeutic use

2631. Marek J, Fusek I, Srámková O, et al: Akromegalie. II. Výsledky operační léčby akromegalií, hodnocené za pomoci stanovení somatotrofního hormonu.
Cas Lek Cesk 112:778-82, 1973 **(Cze)**
ACROMEGALY, blood/ *ACROMEGALY, surgery/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TIME FACTORS

2632. Marek J, Páv J, Srámková J, et al: Akromegalie. IV. Změny glycidového metabolismu.
Cas Lek Cesk 112:959-63, 10 Aug 73 **(Cze)**
ACROMEGALY, complications/ ACROMEGALY, metabolism/ ADULT/ AGED/ *CARBOHYDRATES, metabolism/ DIABETES MELLITUS, etiology/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MIDDLE AGE

2633. Marek J, Srámková J, Bleha O, et al: Akromegalie. 3. Význam dynamického sledování somatotrofního hormonu.
Cas Lek Cesk 112:849-53, 1973 **(Cze)**
*ACROMEGALY, blood/ ACROMEGALY, diagnosis/ ADULT/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, blood

2634. Margolese MS, Janiger O:
Androsterone-etiocholanolone ratios in male homosexuals. Br Med J 3:207-10, 28 Jul 73
ADULT/ *ANDROSTERONE, urine/ ANTHROPOMETRY/ BLOOD PRESSURE/

*ETIOCHOLANOLONE, urine/ FACTOR ANALYSIS, STATISTICAL/ GENITALIA, MALE/ HOMOSEXUALITY, classification/ HOMOSEXUALITY, familial & genetic/ *HOMOSEXUALITY, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ ORGASM/ SEX CHARACTERISTICS/ THYROXINE, urine/ TIME FACTORS

2635. **Margolis RK, Jaanus SD, Margolis RU:** Stimulation by acetylcholine of sulfated mucopolysaccharide release from the perfused cat adrenal gland.
Mol Pharmacol 9:590-4, Jul 73
*ACETYLCHOLINE, pharmacodynamics/ ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CATTLE/ CHONDROITIN, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ GLYCOPROTEINS, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ *MUCOPOLYSACCHARIDES, metabolism/ PERFUSION/ STIMULATION, CHEMICAL/ SULFUR ISOTOPES/ TIME FACTORS

2636. **Margoulies M, Palem-Vliers M, Fontaine F:** Study of the kinetics of aldosterone production by rat adrenal glands in vitro. Preliminary report.
Ann Endocrinol (Paris) 33:632-4, Nov-Dec 72
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ IN VITRO/ ORGAN CULTURE/ OUABAIN, pharmacodynamics/ RATS/ SECRETORY RATE

2637. **Marić Z, Kniewald Z, Milković S:** A simple competitive protein-binding method for determination of progesterone in the rat plasma.
Steroids 22:113-21, Jul 73
ACETYLATION/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CONTRACEPTIVES, ORAL, metabolism/ ESTRUS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MENSTRUATION/ METHODS/ OVARY, metabolism/ PREGNANCY/ *PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRANSCORTIN, metabolism/ TRITIUM

2638. **Marinacci AA:** Orbicularis oculi (blink) reflex in Bell's palsy. Bull Los Angeles Neurol Soc 38:126-37, Jul 73
ADULT/ AGED/ ELECTRIC STIMULATION/ ELECTROMYOGRAPHY/ FACIAL PARALYSIS, drug therapy/ *FACIAL PARALYSIS, physiopathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLE DENERVATION/ NEURAL CONDUCTION/ *OCULOMOTOR MUSCLES, physiopathology/ OCULOMOTOR NERVE, physiopathology/ PREDNISONE, therapeutic use/ PROGNOSIS/ *REFRACTION, OCULAR/ TASTE

2639. **Markarova OS:** K voprosu o sindrome Maiera-Rokitanskogo-Klustera.
Akush Ginekol (Mosk) 48:26-9, Oct 72 **(Rus)**
ABNORMALITIES, MULTIPLE, diagnosis/ ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARY, abnormalities/ SYNDROME/ *UTERUS, abnormalities/ VAGINA, abnormalities

2640. **Markov KhM, Alekseev EA, Pinelis VG:** Aktivnost' renina v plazme krovi u podrostkov s pervichnoi arterial'noi gipertoniei.
Pediatriia 51:44-6, Oct 72 **(Rus)**
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, blood/ *RENIN, blood

2641. **Markov KhM, Bankova VV, Zotov IuA, et al:** Uroven' kortikosteroidov pri eksperimental'noi pochechnoi gipertonii u krys.
Patol Fiziol Eksp Ter 16:61-3, Nov-Dec 72 **(Rus)**
*ADRENAL CORTEX HORMONES, urine/ ADRENAL GLANDS, analysis/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, urine/ ENGLISH ABSTRACT/ *HYPERTENSION, RENAL, physiopathology/ MALE/ RATS/ TIME FACTORS

2642. **Marks C:** Total parathyroidectomy for treatme renal osteodystrophy caused by autonomou hyperparathyroidism. Am Surg 39:509-13, 8
ADULT/ CALCIUM, blood/ FEMALE/ HEMODIALYSIS, HOME/ HUMAN/ *HYPERPARATHYROIDISM, complications HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ PARATHYROID GLANDS, pathology/ *PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, blood/ RENA OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, radiography/ *RENA OSTEODYSTROPHY, therapy/ UREMIA, therapy

2643. **Marks F:** The second messenger system of epidermis. 3. Guanyl cyclase.
Biochim Biophys Acta 309:349-56, 6 Jun
ANIMAL EXPERIMENTS/ CATIONS, DIVALENT/ CHALONES, pharmacodynami CHROMATOGRAPHY, THIN LAYER/ EPITHELIAL CELLS, cytology/ EPITHEL drug effects/ EPITHELIUM, enzymology/ GUANINE NUCLEOTIDES/ *GUANYL CYCLASE/ GUANYL CYCLASE, analysis/ GUANYL CYCLASE, antagonists & inhibi GUANYL CYCLASE, metabolism/ HORMO pharmacodynamics/ KINETICS/ MANGANI pharmacodynamics/ MICE/ PHOSPHORUS ISOTOPES/ SKIN, cytology/ SKIN, drug effects/ *SKIN, enzymology/ SUBCELLUL FRACTIONS, enzymology/ SWINE

2644. **Marks MB:** Personal observations on cromolyn s prophylaxis. Clin Pediatr (Phila) 12:521-3, S
ADRENAL CORTEX HORMONES, therape use/ ADULT/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, therapeutic *DISODIUM CROMOGLYCATE, therapeutic use/ HUMAN/ MALE

2645. **Marland P, Dyan S:** Les adénopathies cerv tuberculeuses. Traitement médical ou chiru
Poumon Coeur 28:105-13, 1972
ADOLESCENCE/ ADULT/ ANTITUBERCU AGENTS, therapeutic use/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AG *NECK/ POSTOPERATIVE COMPLICATIC TUBERCULOSIS, LYMPH NODE, drug therapy/ TUBERCULOSIS, LYMPH NODE, microbiology/ TUBERCULOSIS, LY NODE, surgery/ *TUBERCULOSIS, LYMP NODE, therapy

2646. **Marley PB:** Indomethacin lengthens the oestrou of the guinea-pig when given orally with oestro when implanted within the uterine lume
Prostaglandins 4:251-61, Aug 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ DELAYED-ACTION PREPARATI *ESTRADIOL, pharmacodynamics/ ESTRO pharmacodynamics/ *ESTRUS, drug effect FEMALE/ GUINEA PIGS/ INDOMETHAC administration & dosage/ *INDOMETHAC pharmacodynamics/ TIME FACTORS/ UT

2647. **Marois M, Marois G:** Clomifène et aromati d'androgénes en oestrogénes. Expériences sur l gestante.
Ann Endocrinol (Paris) 34:25-30, Jan-Feb 73
*ANDROSTENES, antagonists & inhibitor ANDROSTENES, pharmacodynamics/ *ANDROSTERONE, antagonists & inhibito ANDROSTERONE, pharmacodynamics/ AN EXPERIMENTS/ *CLOMIPHENE, pharmacodynamics/ ENGLISH ABSTRACT FEMALE/ FETAL DISEASES, chemically induced/ *FETUS, drug effects/ PREGNA *PREGNANCY, ANIMAL, drug effects/ P TESTOSTERONE, antagonists & inhibitor TESTOSTERONE, pharmacodynamics

2648. **Marples RR, Rebora A, Kligman AM:** Top

steroid-antibiotic combinations: assay of use in experimentally induced human infections.
Arch Dermatol 108:237-40, Aug 73
ADULT/ *ANTIBIOTICS, administration & dosage/ ANTIBIOTICS, therapeutic use/ *CANDIDA ALBICANS/ DRUG COMBINATIONS/ EVALUATION STUDIES/ *GLUCOCORTICOIDS, TOPICAL, administration & dosage/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ *MONILIASIS, CUTANEOUS, drug therapy/ NEOMYCIN, administration & dosage/ NEOMYCIN, therapeutic use/ NYSTATIN, administration & dosage/ NYSTATIN, therapeutic use/ *SKIN DISEASES, INFECTIOUS, drug therapy/ *STAPHYLOCOCCAL INFECTIONS, drug therapy/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use/ TYROTHRICIN, administration & dosage/ TYROTHRICIN, therapeutic use

Marquardt H: Inkomplette renale tubuläre Acidose bei rezidivierender Nephrolithiasis und Nephrocalcinose.
Urologe [A] 12:162-6, Jul 73 (Ger)
ACIDOSIS, RENAL TUBULAR, diagnosis/ *ACIDOSIS, RENAL TUBULAR, etiology/ ACIDOSIS, RENAL TUBULAR, metabolism/ ADMINISTRATION, ORAL/ ADULT/ AMMONIUM CHLORIDE, administration & dosage/ CALCIUM, administration & dosage/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERPARATHYROIDISM, diagnosis/ *KIDNEY CALCULI, complications/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ *NEPHROCALCINOSIS, complications/ PHOSPHATES, metabolism/ RECURRENCE/ URINE, analysis

Marquis L, Ackerman BD: Placental respiration in the immediate neonatal period.
Am J Obstet Gynecol 117:358-63, 1 Oct 73
CARBON DIOXIDE, blood/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ OXYGEN, blood/ OXYHEMOGLOBIN, analysis/ *PLACENTA, physiology/ PREGNANCY/ REGIONAL BLOOD FLOW/ *RESPIRATION/ TIME FACTORS/ UMBILICAL ARTERIES/ UMBILICAL CORD/ UMBILICAL CORD, blood supply/ UMBILICAL VEINS

Marshall IG: The ganglion blocking and vagolytic actions of three short-acting neuromuscular blocking drugs in the cat. J Pharm Pharmacol 25:530-6, Jul 73
ACETYLCHOLINE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, antagonists & inhibitors/ AZO COMPOUNDS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CATS/ *CURARE-LIKE AGENTS, pharmacodynamics/ ELECTRIC STIMULATION/ FEMALE/ *GANGLIA, AUTONOMIC, drug effects/ HEART, innervation/ HEART RATE, drug effects/ HYDROXYSTEROIDS, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ MALE/ *NEUROEFFECTOR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, drug effects/ NICTITATING MEMBRANE, innervation/ PIPERAZINES, antagonists & inhibitors/ PIPERIDINES, pharmacodynamics/ PREGNADIENES, pharmacodynamics/ PYRIDINIUM COMPOUNDS, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ SCIATIC NERVE/ *VAGUS NERVE, drug effects

Marshall IG, Paul D, Singh H: Some actions of 2,17a-dimethyl-4,17a-diaza-D-homo-5alpha-androstane dimethiodide (HS-342), a new neuromuscular blocking drug. J Pharm Pharmacol 25:441-6, Jun 73
ANDROSTANES, chem synthesis/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AZA COMPOUNDS, pharmacodynamics/ CATS/ CHICKENS/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ GUINEA PIGS/ HOMOSTEROIDS, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ *NEUROMUSCULAR JUNCTION, drug effects/ PARASYMPATHOMIMETICS, pharmacodynamics/ PHRENIC NERVE, drug effects/ RATS/ SCIATIC NERVE, drug effects/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TUBOCURARINE, pharmacodynamics/ VAS DEFERENS, drug effects/ VAS DEFERENS, innervation

2653. **Marshall JC, Besser GM:** Clinical applications of the luteinizing hormone-follicle-stimulating releasing hormone. J Endocrinol 58:33-4, Aug 73
ESTRADIOL, blood/ FEMALE/ FSH, blood/ *FSH, secretion/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYDROXYPROGESTERONE, blood/ HYPOPITUITARISM, diagnosis/ LH, blood/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PITUITARY NEOPLASMS, diagnosis/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics

2654. **Marshall JM:** Effects of adrenergic neurotransmitters on the uterus. Muscle Biol 1:119-46, 1972
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HUMAN/ MEMBRANE POTENTIALS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, metabolism/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC/ SODIUM, metabolism/ SYMPATHETIC NERVOUS SYSTEM/ UTERUS, cytology/ *UTERUS, drug effects/ UTERUS, innervation/ UTERUS, metabolism

2655. **Marshall JS, Pensky J, Williams S:** Studies on human thyroxine-binding globulin. 8. Isoelectric focusing evidence for microheterogeneity of thyroxine-binding globulin.
Arch Biochem Biophys 156:456-62, Jun 73
CHROMATOGRAPHY, AFFINITY/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ NEURAMINIC ACIDS, isolation & purification/ NEURAMINIDASE/ *THYROXINE-BINDING PROTEIN, isolation & purification/ VIBRIO, enzymology

2656. **Marshall LL, Trethewie ER:** Chemical irritation of nerve-root in disc prolapse. Lancet 2:320, 11 Aug 73
CORTISONE, therapeutic use/ GLYCOPROTEINS, analysis/ GUINEA PIGS/ HISTAMINE LIBERATION/ HUMAN/ INTERVERTEBRAL DISK, innervation/ *INTERVERTEBRAL DISK DISPLACEMENT, complications/ NERVE TISSUE, analysis/ NEURITIS, drug therapy/ *NEURITIS, etiology/ PAIN, drug therapy/ *PAIN, etiology/ SPINAL NERVE ROOTS

2657. **Marshall M, Hess H, Mallasch M, et al:** Ultrahistochemische Untersuchungen an Gefässendothelien (Nachweis von biogenen Aminen.
Verh Dtsch Ges Inn Med 78:593-6, 1972 (Ger)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ *BLOOD VESSELS, cytology/ DOPAMINE, analysis/ ENDOTHELIUM, analysis/ EPINEPHRINE, analysis/ *EPITHELIUM, analysis/ HISTOCYTOCHEMISTRY/ NOREPINEPHRINE, analysis/ SEROTONIN, analysis/ SWINE

2658. **Martel W, Abell MR:** Radiologic evaluation of soft tissue tumors. A retrospective study.

Cancer 32:352-66, Aug 73
ADIPOSE TISSUE, radiography/ ANGIOGRAPHY/ BONE AND BONES, radiography/ CALCINOSIS, radiography/ EVALUATION STUDIES/ HUMAN/ LYMPHOGRAPHY/ *NEOPLASMS, radiography/ NEOPLASMS, CONNECTIVE TISSUE, radiography/ NEOPLASMS, NERVOUS TISSUE, radiography/ NEOPLASMS, VASCULAR TISSUE, radiography/ RETROSPECTIVE STUDIES/ XERORADIOGRAPHY

2659. **Martig J, Mayer GP:** Diminished hypercalcemic response to parathyroid extract in prepartum cows.
J Dairy Sci 56:1042-6, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CALCIUM, blood/ *CATTLE, metabolism/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ PARATHYROID HORMONE, administration & dosage/ *PARATHYROID HORMONE, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PUERPERIUM/ TIME FACTORS

2660. **Martin EC, Moseley IF:** Supravalvar aortic stenosis.
Br Heart J 35:758-65, Jul 73
ADOLESCENCE/ ADULT/ *AORTIC VALVE STENOSIS, diagnosis/ AORTIC VALVE STENOSIS, etiology/ AORTIC VALVE STENOSIS, familial & genetic/ AORTIC VALVE STENOSIS, radiography/ CHILD/ CHILD, PRESCHOOL/ FACIAL EXPRESSION/ FEMALE/ HEART CATHETERIZATION/ HUMAN/ HYPERCALCEMIA, complications/ MALE/ NEPHROCALCINOSIS, complications/ SYNDROME/ VASCULAR DISEASES, complications

2661. **Martin MM, Martin AL:** Obesity--a form of malnutrition. Med Ann DC 42:423-8, Sep 73 (42 ref.)
ADIPOSE TISSUE, cytology/ ADOLESCENCE/ ADULT/ APPETITE REGULATION/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ DIET/ DIET, REDUCING/ FOOD HABITS/ HUMAN/ HUNGER/ HYPERINSULINISM, complications/ HYPOTHALAMUS, physiology/ INFANT, NEWBORN/ LIPIDS, metabolism/ *OBESITY/ OBESITY, etiology/ OBESITY, familial & genetic/ OBESITY, metabolism/ OBESITY, physiopathology/ OBESITY, prevention & control/ OBESITY, therapy/ REVIEW/ SKINFOLD THICKNESS/ SOMATOTROPIN, secretion

2662. **Martin RB:** The effects of geometric feedback in the development of osteoporosis.
J Biomech 5:447-55, Sep 72
BIOMECHANICS/ BONE AND BONES, anatomy & histology/ BONE DEVELOPMENT/ BONE RESORPTION/ FEEDBACK/ HAVERSIAN SYSTEM, anatomy & histology/ HUMAN/ MATHEMATICS/ MODELS, BIOLOGICAL/ *OSTEOPOROSIS, etiology

2663. **Martin W, Taniguchi H, Gestefeld K, et al:** Uber den diabetogenen Effekt von Vasopressin.
Verh Dtsch Ges Inn Med 78:1522-5, 1972 (Ger)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *DIABETES MELLITUS, chemically induced/ INSULIN, blood/ RATS/ *VASOPRESSIN, adverse effects

2664. **Martín Alvarez P:** Estudio, con métodos trichrómicos, de la hipófisis del cobaya normal y tras de la ingesta de citrato de clomifeno.
Acta Obstet Ginecol Hisp Lusit 21:49-63, Mar 73 (Spa)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CITRATES/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ FEMALE/ FSH, secretion/ GUINEA PIGS/ OVULATION, drug effects/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion

2665. **Martinez-Maldonado M:** Electrolyte disturbances resulting from diuretic therapy.
Tex Med 69:83-7, Jul 73
ACETAZOLAMIDE, adverse effects/ *DIURETICS, adverse effects/ ETHACRYNIC ACID, adverse effects/ FUROSEMIDE, adv effects/ HUMAN/ HYPERCALCEMIA, chemically induced/ HYPOKALEMIA, chemically induced/ HYPONATREMIA, chemically induced/ POTASSIUM, metaboli URIC ACID, blood/ WATER-ELECTROLYT BALANCE, drug effects

2666. **Martinsson K, Einarsson S, Gustafsson B:** Studi the transmission of 125I IgG and 125I albumin serum to seminal plasma in boars.
Acta Vet Scand 14:272-7, 1973
ANIMAL EXPERIMENTS/ EPIDIDYMIS, metabolism/ HALF-LIFE/ *IGG/ IODINE ISOTOPES/ MALE/ *SEMEN, analysis/ *SERUM ALBUMIN, metabolism/ SWINE/ TESTIS, metabolism

2667. **Martinsson K, Lindberg P, Johansson ED:** Prepar of protein-steroid conjugates and antisera ag oestradiol-17 Acta Vet Scand 14:278-91,
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ *ESTRADIOL/ GEL DIFFUS TESTS/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ METHODS/ PROTEIN BINDING/ RABBITS/ RADIOIMMUNOASSAY/ *SERUM ALBUMI BOVINE/ SHEEP, immunology

2668. **Marumo F, Inatsuki B, Kikawada R:** The effe maltose on the aldosterone activated sodi transport of the frog bladder.
Experientia 29:43-4, 1 May 73
*ALDOSTERONE, pharmacodynamics/ ANI EXPERIMENTS/ BIOLOGICAL TRANSPO drug effects/ BLADDER, drug effects/ *BLADDER, metabolism/ FROGS/ GLUCO pharmacodynamics/ IN VITRO/ *MALTOS pharmacodynamics/ RANA CATESBEIANA *SODIUM, metabolism/ STIMULATION, CHEMICAL

2669. **Maruyama K, Takahashi I, Ono T, et al:** [Fatal ble from peptic ulcer complicated with hyperthyro A case report]
J Jap Soc Intern Med 62:374-9, Apr 73
ADULT/ AUTOPSY/ FEMALE/ *HEMORRHAGE, GASTROINTESTINAL, complications/ HUMAN/ *HYPERTHYROI complications/ *STOMACH ULCER, complications/ STOMACH ULCER, patholo

2670. **Marwood JF, Hett KF, Lockett MF:** Effec adrenalectomy and of hypophysectomy on development of sound-withdrawal hyperten
J Pharm Pharmacol 25:96-100, Feb 73
ADRENAL GLANDS/ *ADRENALECTOMY ANGIOTENSIN AMIDE, pharmacodynamics ANIMAL EXPERIMENTS/ BODY WEIGH CORTICOSTERONE, blood/ FEMALE/ HE *HYPERTENSION, etiology/ *HYPOPHYSECTOMY/ NOREPINEPHRINE urine/ ORGAN WEIGHT/ POTASSIUM, u PREDNISOLONE/ RATS/ SODIUM, urine/ *SOUND/ THYMUS GLAND/ TYRAMINE, pharmacodynamics

2671. **Marzęcki Z:** Przypadek os priapi.
Pol Przegl Radiol 37:395-7, May-Jun 73
BONE AND BONES, abnormalities/ CALCINOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PENILE DISEASES, radiography/ PENILE INDURATION, diagnosis/ *PENIS, abnormalities

2672. **Marzotko F, Krafft W, Preibsch W, et al** In-vitro-Testung des Präparates Cytostasan gegenüber gynäkologischen Malignomen.
Dtsch Gesundheitsw 28:87-8, 2 Jan 73
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ *CELLS, CULTURED, effects/ ENGLISH ABSTRACT/ FEMALE *GYNECOLOGIC NEOPLASMS, drug ther HUMAN/ IN VITRO/ OVARY/ UTERUS/ VAGINA

2673. **Masaki Z:** [Split renal and peripheral vein activities in patients with renal hyperten

Jap J Nephrol 15:61-9, Feb 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, enzymology/ MALE/ MIDDLE AGE/ *RENAL VEINS/ *RENIN, blood/ *VEINS

74. **Masaki Z:** [Split renal and peripheral vein renin activities in the unilateral renovascular hypertension in rabbits]
Jap J Nephrol 15:71-80, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, enzymology/ RABBITS/ *RENAL VEINS/ *RENIN, blood/ *VEINS

75. **Maslennikova TA, Sedel'nikova EA, Kliagina VP, et al:** Stupenchatyi sintez oligonukleotidov. Spetsifichnost' sinteticheskoi funktsii ribonukleasy Penicillium brevicompactum i struktura aktseptora fosfata.
Mol Biol 7:36-41, Jan-Feb 73 (Rus)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CHEMISTRY, ORGANIC/ CHROMATOGRAPHY, PAPER/ CYTOSINE NUCLEOTIDES/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ OLIGONUCLEOTIDES, biosynthesis/ *PENICILLIUM, enzymology/ PHOSPHATES/ *POLYNUCLEOTIDES, biosynthesis/ *RIBONUCLEASE, biosynthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STRUCTURE-ACTIVITY RELATIONSHIP

Maśliński C: Cykliczne nukleotydy.
Postepy Hig Med Dosw 27:295-310, May-Jun 73 (Pol)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHEMISTRY/ ENDOPLASMIC RETICULUM, enzymology/ ENGLISH ABSTRACT/ GUINEA PIGS/ MYOCARDIUM, enzymology/ PHOSPHODIESTERASES, metabolism/ RABBITS/ RATS

Mason B, Oakley N, Wynn V: Studies of carbohydrate and lipid metabolism in women developing hypertension on oral contraceptives.
Br Med J 3:317-20, 11 Aug 73
ADULT/ AGE FACTORS/ BLOOD PRESSURE/ *CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, etiology/ HYPERTENSION, familial & genetic/ HYPERTENSION, metabolism/ LIPIDS, blood/ *LIPIDS, metabolism/ OBESITY, complications/ PARITY/ PREGNANCY/ PREGNANCY TOXEMIAS/ PROGESTATIONAL HORMONES, adverse effects/ PYRUVATES, blood

Mason DT, Zelis R, Wikman-Coffelt J: Symposium on congestive heart failure: recent advances in structure, biochemistry, physiology and pharmacology. Introduction.
Am J Cardiol 32:395-7, 20 Sep 73
ADENYL CYCLASE, metabolism/ BLOOD CIRCULATION/ ELASTICITY/ HEART, physiopathology/ *HEART FAILURE, CONGESTIVE/ HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, enzymology/ HEART FAILURE, CONGESTIVE, metabolism/ HEART FAILURE, CONGESTIVE, pathology/ HEART FAILURE, CONGESTIVE, physiopathology/ HUMAN/ MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ OXYGEN CONSUMPTION/ RNA POLYMERASE, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiopathology

Massingham R, Shevde S: The ionic composition of aortic smooth muscle from A.S.-hypertensive rats.
Br J Pharmacol 47:422-4, Feb 73
ANIMAL EXPERIMENTS/ *AORTA, metabolism/ BLOOD PRESSURE/ CALCIUM, metabolism/ CHLORIDES, metabolism/ FEMALE/ HYPERTENSION, familial & genetic/ *HYPERTENSION, metabolism/ IN VITRO/ INULIN, metabolism/ *MUSCLE, SMOOTH, metabolism/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SULFATES, metabolism/ TRITIUM

2680. **Masson GM:** Plasma oestriol in pregnancy complicated by essential hypertension.
J Obstet Gynaecol Br Commonw 80:712-7, Aug 73
ADULT/ BLOOD PRESSURE/ BODY HEIGHT/ BODY WEIGHT/ *ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/ GLOMERULONEPHRITIS, complications/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ MATERNAL-FETAL EXCHANGE/ METHYLDOPA, therapeutic use/ PARITY/ PLACENTA, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ TIME FACTORS

2681. **Masson GM, Sutherland HW:** Plasma oestriol in pregnancy complicated by diabetes mellitus.
J Obstet Gynaecol Br Commonw 80:536-41, Jun 73
ADULT/ *ESTRIOL, blood/ FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ INSULIN, therapeutic use/ MICROCEPHALY/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PREGNANCY IN DIABETES, blood/ PREGNANCY IN DIABETES, complications/ PREGNANCY IN DIABETES, drug therapy/ PREGNANCY TOXEMIAS, blood/ PREGNANCY TOXEMIAS, complications/ PROTEINURIA, blood/ PROTEINURIA, complications

2682. **Mastaglia FL:** Pathological changes in skeletal muscle in acromegaly.
Acta Neuropathol (Berl) 24:273-86, 1973
*ACROMEGALY, pathology/ ADULT/ BIOPSY/ FEMALE/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOCHONDRIA, MUSCLE/ *MUSCLES, pathology/ NECROSIS

2683. **Mastboom JL:** Bij herhaling mislukte zwangerschap.
Ned Tijdschr Geneeskd 117:740-3, 12 May 73 (Dut)
*ABORTION, HABITUAL/ CERVIX INCOMPETENCE, complications/ CHROMOSOME ABNORMALITIES/ FEMALE/ HUMAN/ HYPERTENSION, complications/ OVARIAN DISEASES, complications/ PREDIABETIC STATE/ PREGNANCY/ PREGNANCY IN DIABETES/ UTERINE DISEASES, complications

2684. **Mastrantonio P, Di Pietto L, Tinelli FG, et al:** Pseudoermafroditismo femminile ad impronta surrenalica.
Arch Ostet Ginecol 77:264-84, Jul-Aug 72 (Ita)
*ADRENAL GLAND DISEASES, complications/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA, complications/ *PSEUDOHERMAPHRODITISM, etiology

2685. **Masui Y:** Effects of ionizing radiation on meiotic maturation of frog oocytes. II. In vitro studies.
J Embryol Exp Morphol 29:105-16, Feb 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ FERTILIZATION, radiation effects/ FROGS/ GERM CELLS, radiation effects/ HAPLOIDY, radiation effects/ IN VITRO/ INSEMINATION, ARTIFICIAL/ MALE/ *MEIOSIS, radiation effects/ OVARY, cytology/ OVARY, drug effects/ OVARY, radiation effects/ OVULATION, radiation effects/ OVUM, growth & development/ *OVUM, radiation effects/ OVUM, transplantation/ PITUITARY HORMONES, administration & dosage/ PITUITARY HORMONES, pharmacodynamics/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ *RADIATION EFFECTS/ *RANA PIPIENS,

embryology/ RANA PIPIENS, radiation effects/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

2686. **Masui Y:** Effects of ionizing radiation on meiotic maturation of frog oocytes. I. In vivo studies.
J Embryol Exp Morphol 29:87-104, Feb 73
ANIMAL EXPERIMENTS/ CHROMOSOMES, radiation effects/ FEMALE/ FERTILITY, radiation effects/ FERTILIZATION, radiation effects/ FROGS/ GERM CELLS, radiation effects/ HAPLOIDY, radiation effects/ HORMONES, pharmacodynamics/ *MEIOSIS, radiation effects/ OVULATION/ OVUM, growth & development/ *OVUM, radiation effects/ OVUM, transplantation/ *RADIATION EFFECTS/ *RANA PIPIENS, embryology/ RANA PIPIENS, radiation effects/ TRANSPLANTATION, HOMOLOGOUS

2687. **Masukawa T, Wada Y, Mattingly RF, et al:** Cytologic detection of minute ovarian, endometrial and breast carcinomas, with emphasis on clinical-pathological approaches.
Acta Cytol (Baltimore) 17:316-9, Jul-Aug 73
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ ADULT/ AGED/ *BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, pathology/ *CARCINOMA, DUCTAL, diagnosis/ CARCINOMA, DUCTAL, pathology/ *ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ VAGINAL SMEARS

2688. **Matej H, Metzger M, Smogòr W:** Artificial immunization of rabbits against experimental syphilis. II. Immunological side effects of the treponemal vaccine.
Arch Immunol Ther Exp (Warsz) 21:263-70, 1973
AGGLUTININS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS, BACTERIAL/ BACTERIAL VACCINES, administration & dosage/ *BACTERIAL VACCINES, pharmacodynamics/ ERYTHROCYTES, immunology/ FEMALE/ *IMMUNIZATION/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ RABBITS, immunology/ SEX FACTORS/ SYPHILIS, etiology/ *SYPHILIS, immunology/ TESTIS, immunology/ TIME FACTORS/ TISSUE EXTRACTS/ TRANSPLANTATION IMMUNOLOGY/ *TREPONEMA PALLIDUM, immunology/ VIRULENCE

2689. **Mathe G, Pouillart P, Schwarzenberg L, et al:** L'immunothérapie active dans les leucémies aigues lymphoïdes de l'enfant. Influence de divers facteurs sur les résultats.
Arch Fr Pediatr 30:65-81, Jan 73 **(Fre)**
ADOLESCENCE/ ANTIGENS, NEOPLASM/ BCG VACCINATION/ BONE MARROW EXAMINATION/ CHILD/ CHILD, PRESCHOOL/ DAUNOMYCIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMMUNOTHERAPY/ INFANT/ INFANT, NEWBORN/ LEUKEMIA, LYMPHOBLASTIC, classification/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ MALE/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ RETROSPECTIVE STUDIES/ TISSUE THERAPY/ VACCINE THERAPY/ VINCRISTINE, therapeutic use

2690. **Mathies H:** Der sogenannte Muskelrheumatismus.
Z Rheumaforsch 32:190, May-Jun 73 **(Ger)**
ADRENAL CORTEX HORMONES, adverse effects/ *DERMATOMYOSITIS, diagnosis/ HUMAN/ POLYMYALGIA RHEUMATICA, chemically induced/ POLYMYALGIA RHEUMATICA, diagnosis

2691. **Mathieu I:** Cancer métastatique du grêle et du côlon.
J Belge Radiol 56:149-50, Mar-Apr 73 **(Fre)**
*COLONIC NEOPLASMS, diagnosis/ COLON NEOPLASMS, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENTERITIS, REGIONAL, diagnosis/ FEMALE/ HUMAN/ *INTESTINA NEOPLASMS, diagnosis/ INTESTINAL NEOPLASMS, radiography/ INTESTINE, SMALL/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS

2692. **Mathur RS, Chestnut SK, Leaming AB, et** Application of plasma estriol estimations in management of high-risk pregnancies.
Am J Obstet Gynecol 117:210-9, 15 Sep 73
*ESTRIOL, blood/ ESTRIOL, metabolism/ FEMALE/ FETAL DEATH, blood/ HUMAN HYPERTENSION, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY DIABETES, blood/ PREGNANCY TOXEMIA blood/ TIME FACTORS

2693. **Mathur RS, Leaming AB, Williamson HO:** A assessment of "free" and conjugated estrio uncomplicated and complicated pregnancy pla
Am J Obstet Gynecol 117:316-20, 1 Oct 73
CARBON ISOTOPES/ *ESTRIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATEI blood/ FEMALE/ HUMAN/ HYPERTENSIO blood/ METHODS/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ *PREGNANCY TOXEMIAS, blood/ TIME FACTORS

2694. **Mathur RS, Williamson HO, Moody LO, et al:** In sterol and steroid biogenesis by a feminiz adrenocortical carcinoma.
Acta Endocrinol (Kbh) 73:518-30, Jul 73
ACETATES, metabolism/ *ADENOMA, metabolism/ *ADRENAL GLAND NEOPLAS metabolism/ ANDROSTENEDIONE, metabol CARBON ISOTOPES/ *CARCINOMA, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism *ESTRADIOL, biosynthesis/ *ESTRIOL, biosynthesis/ ESTROGENS, urine/ *ESTRO biosynthesis/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ I VITRO/ 17-KETOSTEROIDS, urine/ METH MIDDLE AGE/ TRITIUM

2695. **Matline ESh, Malysheva VA:** Vliianie vvedeniia tir na soderzhanie tkanevykh katekholaminov myshechnoi nagruzke.
Probl Endokrinol (Mosk) 19:96-100, May-Jun 73 (
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, metabolism/ DOPA, analysis/ DOPA, blood ENGLISH ABSTRACT/ EPINEPHRINE, analysis/ EPINEPHRINE, blood/ *EXERTIC drug effects/ FLUORESCENCE SPECTROMETRY/ INJECTIONS, INTRAPERITONEAL/ MALE/ *MUSCLES, physiology/ MYOCARDIUM, analysis/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, blood/ RATS/ TIME FACTORS/ *TYROSINE, pharmacodynamics

2696. **Matoušek J, Pavlok A, Dostál J, et al:** Some biolo properties of bull seminal vesicle aspermato substance and its effect on mice.
J Reprod Fertil 34:9-22, Jul 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ ELECTROPHORESIS DISK/ FEMALE/ FRUCTOSE, metabolism/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ OROTIC A metabolism/ PYRIMIDINES, biosynthesis/ RABBITS/ RNA, metabolism/ RNA POLYMERASE, analysis/ *SEMEN/ *SEMI VESICLES, secretion/ SHEEP/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA/ SWINE/ TESTIS, drug effects/ TESTIS, metabolism

2697. **Matsu M, Abe F, Kunikane M, et al:** In vitro metab of testosterone sulfate and testosterone

tetrahydropyranyl ether in male rat liver.
Chem Pharm Bull (Tokyo) 21:558-64, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ETHERS/ IN VITRO/ *LIVER, metabolism/ MALE/ PYRANS/ RATS/ SULFATES/ *TESTOSTERONE, metabolism/ TRITIUM

98. **Matsubara T, Hasegawa T, Tochino Y, et al:** The effects of hypophysectomy on the structure and function of rat liver mitochondria.
J Biochem (Tokyo) 72:1379-90, Dec 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL FRACTIONATION/ CYTOCHROMES, metabolism/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ HYPOPHYSECTOMY/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, metabolism/ *MITOCHONDRIA, LIVER/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ ORGAN WEIGHT/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ *PITUITARY GLAND, physiology/ RATS/ SOMATOTROPIN, pharmacodynamics/ SPECTROPHOTOMETRY/ THYROXINE, pharmacodynamics

9. **Matsumoto M, Heshiki A, Yamashina K, et al:** [Significance of venography of the inferior vena cava in radiotherapy]
Jap J Clin Radiol 18:243-9, Apr 73 (Jap)
ADULT/ AGED/ DISGERMINOMA, radiography/ FEMALE/ HODGKIN'S DISEASE, radiography/ HUMAN/ MALE/ *NEOPLASMS, radiotherapy/ PANCREATIC NEOPLASMS, radiography/ PHLEBOGRAPHY/ SARCOMA, RETICULUM CELL, radiography/ STOMACH NEOPLASMS, radiography/ UTERINE NEOPLASMS, radiography/ *VENA CAVA, INFERIOR, radiography

. **Matsuoka A:** [Effect of long-term administration of parotin tablets in gastroptosis]
Clin Endocrinol (Tokyo) 21:641-3, Jun 73 (Jap)
ADULT/ AGED/ FEMALE/ *HORMONES, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ PAROTIN, administration & dosage/ PAROTIN, therapeutic use/ *STOMACH DISEASES, drug therapy/ TABLETS/ TIME FACTORS/ VISCEROPTOSIS, drug therapy

Matsuoka Y: [Teased-fiber study of peripheral neuropathy--relation between fiber diameter and Ranvier internodal length]
Clin Neurol (Tokyo) 13:262-72, Apr 73 (Jap)
ABDOMEN, pathology/ ADOLESCENCE/ ADULT/ AGED/ DIABETIC NEUROPATHIES, pathology/ ENGLISH ABSTRACT/ FEMALE/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ MIDDLE AGE/ MYELITIS, pathology/ MYXEDEMA, complications/ NEURONS/ OPTIC NEURITIS, pathology/ PAIN, pathology/ PERIPHERAL NERVE DISEASES, etiology/ *PERIPHERAL NERVE DISEASES, pathology/ RANVIER'S NODES, pathology/ SURAL NERVE, pathology

Matte R, Théroux P, Pesant P, et al: Aménorrhée-galactorrhée et pathologies thyroidiennes.
Union Med Can 101:279-81, Feb 72 (Fre)
ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, etiology/ ENGLISH ABSTRACT/ EPILEPSY, complications/ ESTROGENS, therapeutic use/ FEMALE/ GOITER, complications/ GOITER, surgery/ HUMAN/ HYPERTHYROIDISM, complications/ *LACTATION DISORDERS, etiology/ MYXEDEMA, complications/ MYXEDEMA, drug therapy/ PROGESTERONE, therapeutic use/ *THYROID DISEASES, complications/ THYROID DISEASES, familial & genetic

Matter R: Vergleich der ovulationshemmenden Methoden mit Hilfe physiologischer Kriterien.
Ther Umsch 30:537-42, Jul 73 (Ger)
CONTRACEPTIVES, ORAL, classification/ CONTRACEPTIVES, ORAL, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *OVULATION, drug effects

2704. **Matthews EK, Evans RJ, Dean PM:** The ionogenic nature of the secretory-granule membrane. Electrokinetic properties of isolated chromaffin granules. Biochem J 130:825-32, Dec 72
ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARBOXYLIC ACIDS/ CATTLE/ CEPHALINS/ *CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, drug effects/ *CYTOPLASMIC GRANULES/ CYTOPLASMIC GRANULES, drug effects/ ELECTROPHORESIS/ ERYTHROCYTES, drug effects/ GLYCOPROTEINS/ HYDROGEN-ION CONCENTRATION/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MEMBRANES/ NEURAMINIC ACIDS/ NEURAMINIDASE, pharmacodynamics/ STRONTIUM, pharmacodynamics/ SURFACE PROPERTIES

2705. **Matthews EK, Petersen OH:** Pancreatic acinar cells: ionic dependence of the membrane potential and acetycholine-induced depolarization.
J Physiol (Lond) 231:283-95, Jun 73
*ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ DINITROPHENOLS, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ *MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ MICE/ *PANCREAS, physiology/ PANCREOZYMIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ SODIUM, pharmacodynamics/ STROPHANTHIN, pharmacodynamics/ TETRACAINE, pharmacodynamics

2706. **Mattila MJ, Jounela AJ:** Effect of p-chlorophenylalanine on the interaction between phenelzine and pethidine in conscious rabbits.
Biochem Pharmacol 22:1674-6, 1 Jul 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BLOOD CIRCULATION, drug effects/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ BRAIN, metabolism/ DRUG INTERACTIONS/ HYPOTHALAMUS, metabolism/ *MEPERIDINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *PHENELZINE, pharmacodynamics/ PHENETHYLAMINES, pharmacodynamics/ PHENYLALANINE, pharmacodynamics/ RABBITS/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TIME FACTORS

2707. **Mattsson B, Persson SA:** Huntington's chorea, lithium, and G.A.B.A. Lancet 2:684, 22 Sep 73
*AMINOBUTYRIC ACID, metabolism/ *CHOREA, HEREDITARY, drug therapy/ CHOREA, HEREDITARY, metabolism/ CLINICAL RESEARCH/ HUMAN/ LITHIUM, pharmacodynamics/ *LITHIUM, therapeutic use/ PLACEBOS/ SEROTONIN, metabolism

2708. **Mattsson S:** The reversibility of disuse osteoporosis. Experimental studies in the adult rat.
Acta Orthop Scand [Suppl] 144:Suppl 144:11-2, 1972
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ CALCIUM, analysis/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CASTS, SURGICAL/ DENSITOMETRY/ HYDROXYPROLINE, metabolism/ IMMOBILIZATION/ JOINTS/ MALE/ METHODS/ *OSTEOPOROSIS/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/

OSTEOPOROSIS, physiopathology/ RATS/ REMISSION/ TIME FACTORS

2709. **Matusik J**: Przypadek wtórnej nadczynności przytarczyc w przebiegu mocznicy.
Patol Pol 24:333-8, Apr-Jun 73 **(Pol)**
ADULT/ AUTOPSY/ CALCINOSIS, pathology/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, pathology/ LUNG, pathology/ MALE/ MYOCARDIUM, pathology/ PARATHYROID GLANDS, pathology/ PHOSPHATES, metabolism/ *UREMIA, complications

2710. **Matýšek P, Smíd J**: Přínos lymfografie v diferenciální diagnostice nitrobřišního tumoru.
Cesk Gynekol 38:438-9, Jul 73 **(Cze)**
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, complications/ *LYMPHOGRAPHY/ OVARIAN NEOPLASMS, radiography/ *STOMACH NEOPLASMS, radiography

2711. **Mauer AM, Lampkin BC, McWilliams NB**: Effects of chemotherapeutic agents on cell cycle and cellular proliferation: basic and clinical considerations.
Transplant Proc 5:1181-4, Sep 73
AUTORADIOGRAPHY/ BONE MARROW CELLS/ *CELL DIVISION, drug effects/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DNA, biosynthesis/ DRUG ANTAGONISM/ DRUG COMBINATIONS/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ METHOTREXATE, therapeutic use/ *MITOSIS, drug effects/ THYMIDINE, metabolism/ TRITIUM/ VINCRISTINE, therapeutic use

2712. **Mauri C**: Considerazioni generali sulla strategia terapeutica nel granuloma maligno.
Haematologica (Pavia) 53:1-10, 1973 **(Ita)**
*ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ METHODS/ *PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ RADIOTHERAPY DOSAGE

2713. **Maurice P, Himbert J**: L'iode radioactif en thérapeutique cardiologique.
Therapeutique 49:119-21, Feb 73 **(Fre)**
ANGINA PECTORIS, therapy/ ARRHYTHMIA, therapy/ *HEART DISEASES, therapy/ HUMAN/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ THYROID DISEASES, radiotherapy

2714. **Mäusle E**: Electron microscopic study on the role of the mesenchyma in regressive transformation by dexamethasone.
Acta Endocrinol [Suppl] (Kbh) 173:25, 1973
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ *DEXAMETHASONE, pharmacodynamics/ ENDOPLASMIC RETICULUM, drug effects/ MACROPHAGES, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ *NEURONS, drug effects/ RATS

2715. **Maxon HR 3d, Rutsky EA**: Vasopressin-resistant diabetes insipidus associated with short-term demethylchlortetracycline (declomycin) therapy.
Milit Med 138:500-1, Aug 73
ADULT/ *DEMETHYLCHLORTETRACYCLINE, adverse effects/ DEMETHYLCHLORTETRACYCLINE, therapeutic use/ *DIABETES INSIPIDUS, chemically induced/ DIABETES INSIPIDUS, drug therapy/ DRUG RESISTANCE/ HUMAN/ MALE/ POLYURIA, drug therapy/ THIRST/ *VASOPRESSIN, therapeutic use

2716. **May V, Aristoff H, Glowinski J, et al**: Un d'ostéomalacie par intolérance au lactose a ostéonécrose bilatérale des têtes fémorales.
Rev Rhum Mal Osteoartic 40:439-42, Jun 73 (
ADULT/ FEMALE/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ *LACTOSE INTOLERANCE, complications/ *OSTEOMALACIA, etiology

2717. **Maynard PV, Cameron EH**: Rat adrenal 5alpha-reductase activity and the effect of oestra testosterone propionate and adrenocorticotroph intact and gonadectomized rats.
J Endocrinol 58:7-8, Jul 73
ADRENAL GLANDS, drug effects/ *ADRE GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CASTRATION/ *CORTICOTROPIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE GONADS, physiology/ MALATES/ MALE/ MICROSOMES/ NADP/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, metabolism/ RATS/ *TESTOSTERONE, pharmacodynamics/ TRITIUM

2718. **Maynard PV, Cameron EH**: Metabolism of androst-4-ene-3,17-dione by subcellular fraction rat adrenal tissue with particular reference microsomal C19-steroid 5alpha-reductase.
Biochem J 132:283-91, Feb 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLAND enzymology/ *ADRENAL GLANDS, metabolism/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THI LAYER/ CORTICOSTERONE, pharmacodynamics/ *17-KETOSTEROIDS, metabolism/ KINETICS/ MALATES, pharmacodynamics/ MALE/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ NADP/ *OXIDOREDUCTASES, metabolism/ RATS/ STANOLONE/ STEROID HYDROXYLASES, metabolism/ SUBCELLUL FRACTIONS, metabolism/ TESTOSTERONE TIME FACTORS/ TRITIUM

2719. **Maynard PV, Cameron EH**: Adrenal microso C19-steroid 5alpha-reductase activity in the S transplantable rat adrenocortical tumour 494 and effect of oestradiol, testosterone propionate adrenocorticotrophin in intact and gonadectom rats. Biochem J 132:293-300, Feb 73
*ADRENAL GLAND NEOPLASMS, enzymol ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLAN enzymology/ ANDROSTENEDIONE/ ANIMA EXPERIMENTS/ CASTRATION/ *CORTICOTROPIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE KINETICS/ MALE/ MICROSOMES, drug effects/ *MICROSOMES, enzymology/ NEOPLASMS, EXPERIMENTAL/ *OXIDOREDUCTASES, metabolism/ RATS/ *TESTOSTERONE, pharmacodynamics/ TIM FACTORS/ TRITIUM

2720. **Mazeaud MM**: Epinephrine biosynthesis in Petrom marinus (cyclostoma) and Salmo gairdneri (tele
Comp Gen Pharmacol 3:457-68, Dec 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOLAMINES, metabolism *CYCLOSTOMES, physiology/ *EPINEPHRIN biosynthesis/ HYDROCORTISONE, pharmacodynamics/ KIDNEY, enzymology/ KIDNEY, metabolism/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ NORMETANEPHRINE, metabolism/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ *SALMONIDAE, physiology

2721. **Mazurek A, Zdebska E, Szumera B**: Rzekom przedwczesne dojrzewanie płciowe 16-miesiec dziewczynki w przebiegu estrogenizującego jajnika. Pediatr Pol 48:761-4, Jun 73 (
DISGERMINOMA, complications/ *DISGERMINOMA, metabolism/ *ESTROGEN secretion/ FEMALE/ HUMAN/ INFANT/

OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, metabolism/ *PUBERTY, PRECOCIOUS, etiology

22. **Meacock SC, Marsden CH:** The effects of adjuvants and stress on the production of IgE antibody in rats. Int Arch Allergy Appl Immunol 45:136-7, 1973 *ADJUVANTS, IMMUNOLOGIC/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ BACTERIAL PROTEINS, analysis/ BORDETELLA PERTUSSIS, immunology/ ENDOTOXINS, analysis/ *IGE/ LIPOPOLYSACCHARIDES, pharmacodynamics/ PASSIVE CUTANEOUS ANAPHYLAXIS/ POLYSACCHARIDES, BACTERIAL, analysis/ RATS

23. **Mechin JC, Toury C:** Action d'un régime cariogène sur la fixation et la rétention du strontium du squelette et des dents du rat. Rev Odontostomatol (Paris) 20:55-9, Jan-Feb 73 (Fre) ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ DENTAL CARIES, occurrence/ *DIET, CARIOGENIC/ MALE/ RATS/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES/ TOOTH, metabolism

24. **Mecklenburg RS, Noda K, Miyachi Y, et al:** LH-releasing activity of p-Glu-His-Trp-NH2 and p-Glu-His-Trp. Endocrinology 93:993-7, Oct 73 AMIDES, administration & dosage/ *AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ FSH, blood/ INJECTIONS, INTRAPERITONEAL/ *LH, blood/ MALE/ PEPTIDES, administration & dosage/ *PEPTIDES, pharmacodynamics/ PERFUSION/ PITUITARY GLAND/ RATS

25. **Medalie R, Waterhouse C:** A magnesium-deficient patient presenting with hypocalcemia and hyperphosphatemia. Ann Intern Med 79:76-9, Jul 73 ADULT/ ALCOHOLISM, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPOCALCEMIA, complications/ HYPOCALCEMIA, etiology/ HYPOKALEMIA, diagnosis/ HYPOKALEMIA, etiology/ *MAGNESIUM DEFICIENCY, complications/ OBESITY/ *PHOSPHATES, blood/ SPEECH DISORDERS, etiology/ TETANY, etiology

Medau HJ, Brodkorb K, Kellermann D, et al: Plasmaproteinveränderungen bei unbehandelter und behandelter Hyperthyreose. Verh Dtsch Ges Inn Med 78:1532-4, 1972 (Ger) *BLOOD PROTEINS, analysis/ CARRIER PROTEINS, analysis/ GLYCOPROTEINS, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ SERUM ALBUMIN, analysis

Medeiros Neto GA de: Diagnóstico cintilográfico. Rev Assoc Med Bras 19:169 passim, Apr 73 (Por) FEMALE/ *GOITER, NODULAR, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ *RADIOISOTOPE SCANNING

Meerson FZ, Barbarash NA, Dvurechenskaia GIa, et al: Vliianie predvaritel'noĭ adaptatsii k kholodu na razvitie éksperimental'noĭ gipertonii. Dokl Akad Nauk SSSR 210:1243-5, 11 Jun 73 (Rus) *ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *COLD/ DESOXYCORTICOSTERONE/ HYPERTENSION, chemically induced/ *HYPERTENSION, prevention & control/ MALE/ RATS/ SODIUM CHLORIDE

Meffert O: Calcium- und Phosphatbelastung zur Diagnose des primären Hyperparathyreoidismus. Klin Wochenschr 51:567-9, 1 Jun 73 (Ger) *ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ CALCIUM, blood/ *CALCIUM, diagnostic use/ CALCIUM, metabolism/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *PARATHYROID NEOPLASMS, diagnosis/ PHOSPHATES, blood/ *PHOSPHATES, diagnostic use/ PHOSPHATES, metabolism

2730. **Mehlan KH, Stolzenburg-Ramos A:** Abortsituation, Fertilität und Familienplanung im Bezirk Rostock in den Jahren 1962 bis 1971. Z Aerztl Fortbild (Jena) 67:539-45, Jun 73 (Ger) *ABORTION, occurrence/ ABORTION, LEGAL/ ADOLESCENCE/ ADULT/ BIRTH RATE/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FERTILITY/ GERMANY, EAST/ HUMAN

2731. **Meinhard E, McRae CU, Chisholm GD:** Testicular biopsy in evaluation of male infertility. Br Med J 3:577-81, 15 Sep 73 BASEMENT MEMBRANE/ BIOPSY/ CLOMIPHENE, therapeutic use/ EPIDIDYMIS, surgery/ EPITHELIUM, pathology/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ LEYDIG CELL TUMOR, pathology/ MALE/ SEMEN, analysis/ SERTOLI CELLS/ STERILITY, MALE, diagnosis/ STERILITY, MALE, drug therapy/ *STERILITY, MALE, pathology/ STERILITY, MALE, surgery/ STERILITY, MALE, therapy/ TESTICULAR DISEASES, therapy/ *TESTIS, pathology/ VARICOCELE, surgery/ VARICOCELE, therapy

2732. **Meiniel R:** Etude histochimique de quelques activités enzymatiques surrénaliennes chez l'embryon de poulet normal et soumis au parathion; analyse particulière de l'action anticholinestérasique de ce composé organophosphoré. C R Soc Biol (Paris) 166:1712-5, 1972 (Fre) ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ *CHICK EMBRYO, drug effects/ CHICK EMBRYO, enzymology/ *CHOLINESTERASE INHIBITORS/ ESTERASES, metabolism/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ MONOAMINE OXIDASE, metabolism/ OXIDOREDUCTASES, metabolism/ *PARATHION, poisoning

2733. **Meints RH, Carver FJ:** Triiodothyronine and hydrocortisone effects on Rana pipiens erythropoiesis. Gen Comp Endocrinol 21:9-15, Aug 73 ANIMAL EXPERIMENTS/ ERYTHROCYTES, metabolism/ *ERYTHROPOIESIS, drug effects/ FROGS/ HEMATOCRIT/ *HYDROCORTISONE, pharmacodynamics/ IRON, metabolism/ IRON ISOTOPES/ RANA PIPIENS/ SEASONS/ SPLEEN, metabolism/ *TRIIODOTHYRONINE, pharmacodynamics

2734. **Meissner G:** ATP and Ca2+ binding by the Ca2+ pump protein of sarcoplasmic reticulum. Biochim Biophys Acta 298:906-26, 16 Apr 73 ADENOSINE TRIPHOSPHATASE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ CATIONS, DIVALENT/ CHELATING AGENTS/ ETHYLMALEIMIDE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LANTHANUM, pharmacodynamics/ MAGNESIUM, metabolism/ MATHEMATICS/ MUSCLES, cytology/ MUSCLES, metabolism/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ RABBITS/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, metabolism

2735. **Meissner G, Conner GE, Fleischer S:** Isolation of sarcoplasmic reticulum by zonal centrifugation and purification of Ca 2+ -pump and Ca 2+ -binding proteins. Biochim Biophys Acta 298:246-69, 16 Mar 73 ADENOSINE TRIPHOSPHATASE, metabolism/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/

*CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL FRACTIONATION/ CENTRIFUGATION, ZONAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MACROMOLECULAR SYSTEMS/ MAGNESIUM, analysis/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ MUSCLE PROTEINS, analysis/ MUSCLE PROTEINS, isolation & purification/ MUSCLE PROTEINS, metabolism/ MUSCLES, cytology/ *MUSCLES, metabolism/ OSMOLAR CONCENTRATION/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism/ SOLUBILITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

2736. **Meistrich ML, Eng VW, Loir M:** Temperature effects on the kinetics of spermatogenesis in the mouse. Cell Tissue Kinet 6:379-93, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL COUNT/ CELL DIFFERENTIATION/ KINETICS/ MALE/ MICE/ MICE, INBRED STRAINS/ *SPERMATOGENESIS/ STAINS AND STAINING/ TEMPERATURE/ TESTIS, cytology/ TESTIS, metabolism/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

2737. **Melick RA, Martin TJ, Storey E:** Use of porcine calcitonin in osteoporosis.
Aust NZ J Med 3:285-9, Jun 73
CALCIUM, metabolism/ CALCIUM, urine/ FECES, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MAGNESIUM, metabolism/ MAGNESIUM, urine/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, urine/ PHOSPHORUS, metabolism/ PHOSPHORUS, urine/ SWINE/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, therapeutic use

2738. **Melikov AM, Iunisov EV:** Teratoidnye opukholi iaichnikov u detei.
Akush Ginekol (Mosk) 48:80-3, Oct 72 (Rus)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, therapy/ *TERATOID TUMOR, diagnosis/ TERATOID TUMOR, therapy

2739. **Mellet J:** Etude de l'effectif ribosomique du foie chez la souris normale et chez la souris naine.
Biochimie 55:189-94, 1973 (Fre)
ANIMAL EXPERIMENTS/ DWARFISM, drug therapy/ DWARFISM, familial & genetic/ *DWARFISM, metabolism/ ENGLISH ABSTRACT/ *LIVER, metabolism/ MICE/ *POLYRIBOSOMES/ POLYRIBOSOMES, analysis/ *RIBOSOMES/ RIBOSOMES, analysis/ SOMATOTROPIN, therapeutic use/ SPECTROPHOTOMETRY/ SUBCELLULAR FRACTIONS, analysis/ TRIIODOTHYRONINE, therapeutic use/ ULTRACENTRIFUGATION

2740. **Mellinkoff SM:** Chemical intervention.
Sci Am 229:102-12, Sep 73
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANESTHETICS/ ANTIBIOTICS, therapeutic use/ COMMUNICABLE DISEASE CONTROL/ *DRUG THERAPY/ HORMONES, physiology/ HORMONES, therapeutic use/ HUMAN/ NUTRITIONAL REQUIREMENTS/ VACCINES/ VITAMINS

2741. **Melo JR, Freire-Maia L, Tafuri WL, et al:** Mechanism of action of purified scorpion toxin on the isolated rat intestine. Toxicon 11:81-4, Jan 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ DUODENUM, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ *INTESTINES, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ PENTOLINIUM TARTRATE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *SCORPIONS/ SEROTONIN, pharmacodynamics/ TOXINS, antagonists & inhibitors/ *TOXINS, pharmacodynamics

2742. **Melville E, Braunsberg H:** Steroid sulphation in vitro human breast cancer tissue. Br J Cancer 28:77, Jul
*BREAST NEOPLASMS, metabolism/ *DEHYDROEPIANDROSTERONE, biosynthesis *ESTRADIOL, biosynthesis/ FEMALE/ HUMAN/ IN VITRO/ MENOPAUSE/ *SULFATES, biosynthesis

2743. **Menaker L, Navia JM:** Effect of undernutrition dur the perinatal period on caries development in the 11. Caries susceptibility in underfed rats supplemented with protein or caloric additions dur the suckling period. J Dent Res 52:680-7, Jul-Aug
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMAL NUTRITION/ BODY WEIGHT, dru effects/ DENTAL CARIES, etiology/ DENTA CARIES, occurrence/ *DENTAL CARIES SUSCEPTIBILITY, drug effects/ *DIETARY PROTEINS/ LACTATION/ NUTRITION DISORDERS, complications/ *PROTEIN DEFICIENCY/ RATS

2744. **Menaker L, Navia JM:** Effect of undernutrition dur the perinatal period on caries development in the IV. Effects of differential tooth eruption a exposure to a cariogenic diet on subsequent de caries incidence. J Dent Res 52:692-7, Jul-Aug
ANIMAL EXPERIMENTS/ *CARIOGENIC AGENTS/ DENTAL CARIES, etiology/ *DENTAL CARIES SUSCEPTIBILITY, drug effects/ *DIETARY PROTEINS/ GESTATIONAL AGE/ LACTATION/ *NUTRITION DISORDERS, complications/ *PROTEIN DEFICIENCY/ RATS/ *TOOTH ERUPTION/ WEANING

2745. **Menaker L, Navia JM:** Effect of undernutrition du the perinatal period on caries development in the 3. Effects of undernutrition on biochemical parameters in the developing submandibular sali gland. J Dent Res 52:688-91, Jul-Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DENTAL CARIES SUSCEPTIBILIT *DIETARY PROTEINS/ DNA, biosynthesis/ LACTATION/ *NUTRITION DISORDERS, complications/ PREGNANCY/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ SUBMANDIBULAR GLAND, analysis/ *SUBMANDIBULAR GLAND, growth & development/ SUBMANDIBULAR GLAND, metabolism

2746. **Ménard J, Corvol P, Foliot A, et al:** Effects of estrog on renin substrate and uterine weights in r
Endocrinology 93:747-51, Sep 73
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ METHYLATION/ ORGAN WEIGHT/ RATS/ *RENIN, blood/ TIME FACTORS/ *UTERUS drug effects

2747. **Mendelsohn J, Multer MM, Boone RF:** Enhanced eff of prostaglandin E1 and dibutyryl cyclic AMP u human lymphocytes in the presence of cort
J Clin Invest 52:2129-37, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHA analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AUTORADIOGRAPHY/ BUTYRATES, pharmacodynamics/ CELL SEPARATION/ CELLS, CULTURED/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, analysis/ *LYMPHOCYTES, drug effects/ PLANT AGGLUTININS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

2748. **Mendes EG, Zingales BS:** Pharmacological studie the invertebrate non-striated muscles. II. T tunicate siphon muscles.
Comp Gen Pharmacol 3:261-70, Sep 72
ACETYLCHOLINE, antagonists & inhibitors

ACETYLCHOLINE, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CHOLINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ESTERS, pharmacodynamics/ GANGLIA, drug effects/ HISTAMINE, pharmacodynamics/ IN VITRO/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRYPTAMINES, pharmacodynamics/ TUBOCURARINE, pharmacodynamics/ TYRAMINE, pharmacodynamics/ *UROCHORDATA

749. **Mendlewicz J, Rainer JD:** X-linkage in manic-depressive illness. Br Med J 3:290, 4 Aug 73
COLOR BLINDNESS, complications/ *COLOR BLINDNESS, familial & genetic/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ PSYCHOSES, MANIC-DEPRESSIVE, complications/ *PSYCHOSES, MANIC-DEPRESSIVE, familial & genetic/ *SEX CHROMOSOMES

50. **Mendoza CE, Shields JB, Phillips WE:** Comparative studies of indophenyl acetate and iodide salts of acetylthiocholine and butyrylthiocholine as esterase substrates. Comp Gen Pharmacol 3:134-8, Jun 72
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *CATECHOLAMINES, metabolism/ CHOLINE/ *ESTERASES, metabolism/ HYDROLYSIS/ IN VITRO/ *INDOPHENOL, metabolism/ *IODIDES, metabolism/ KIDNEY, enzymology/ LIVER, enzymology/ MUSCLES, enzymology/ PROTEINS, metabolism/ RATS/ SPECTROPHOTOMETRY/ TESTIS, enzymology

51. **Mendoza SA:** Sodium dependence of base-line and ADH-stimulated short-circuit current in toad bladder. Am J Physiol 225:476-80, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *BLADDER, drug effects/ BLADDER, metabolism/ BUFO MARINUS/ ELECTROPHYSIOLOGY/ HYDROCHLORIC ACID, pharmacodynamics/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ SUCROSE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ *VASOPRESSIN, pharmacodynamics

2. **Menéndez Felipe JV:** Un caso de corioepitelioma metastásico de maciar superior. An Esp Odontoestomatol 32:243-56, May-Jun 73 (Spa)
CASE REPORT/ *CHORIOCARCINOMA/ FEMALE/ HUMAN/ *LUNG NEOPLASMS/ *MAXILLARY NEOPLASMS/ NEOPLASM METASTASIS

. **Meng W:** C-Zellen der Schilddrüse und Calcitonin. Z Aerztl Fortbild (Jena) 67:545-7, Jun 73 (Ger)
ANIMAL EXPERIMENTS/ DOGS/ HUMAN/ HYPERCALCEMIA, drug therapy/ MOLECULAR CONFORMATION/ RADIOIMMUNOASSAY/ THYROCALCITONIN, blood/ *THYROCALCITONIN, physiology/ THYROCALCITONIN, therapeutic use/ *THYROID GLAND, cytology

Menge H, Bloch R, Warm K, et al: Der Einfluss einer Hypophysektomie auf die Funktion und Morphologie der Dünndarmschleimhaut der Ratte. Verh Dtsch Ges Inn Med 78:1432-4, 1972 (Ger)
ANIMAL EXPERIMENTS/ ATROPHY/ HYPOPHYSECTOMY/ *INTESTINAL MUCOSA, physiology/ INTESTINE, SMALL, pathology/ *INTESTINE, SMALL, physiology/ *PITUITARY GLAND, physiology/ RATS

Menyé PA, Gueye SN, Ouiminga RM, et al: Prévention et traitement du choc opératoire au cours des hépatectomies pour cancer primitif du foie. Bull Soc Med Afr Noire Lang Fr 17:522-5, 1972 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ *HEPATECTOMY, adverse effects/ HUMAN/ *LIVER NEOPLASMS, surgery/ SHOCK, SURGICAL, drug therapy/ *SHOCK, SURGICAL, prevention & control

2756. **Merceron RE:** Calcitonina. Fisiologia; interesse terapeutico. Minerva Med 64:2147-67, 2 Jun 73 (Ita)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ BONE DEVELOPMENT, drug effects/ BONE DISEASES, drug therapy/ BONE NEOPLASMS, drug therapy/ CALCINOSIS, prevention & control/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FRACTURES, drug therapy/ HOMEOSTASIS, drug effects/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERCALCEMIA, drug therapy/ INFANT/ INFANT, NEWBORN/ KIDNEY, drug effects/ MALE/ MICE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREGNANCY/ RABBITS/ SWINE/ *THYROCALCITONIN/ THYROCALCITONIN, blood/ THYROCALCITONIN, metabolism/ THYROCALCITONIN, pharmacodynamics/ THYROCALCITONIN, physiology/ THYROCALCITONIN, secretion/ THYROCALCITONIN, therapeutic use/ THYROID GLAND, physiology

2757. **Merimee TJ:** Comparative metabolic and clinical studies of sexual ateliotic dwarfs and diabetics. Adv Metab Disord 2:Suppl 2:207-13, 1973
ADULT/ BASEMENT MEMBRANE/ BLOOD PROTEINS, analysis/ CAPILLARIES, pathology/ CHOLESTEROL, blood/ DIABETES MELLITUS, complications/ *DIABETES MELLITUS, metabolism/ DIABETIC ANGIOPATHIES, pathology/ DIABETIC RETINOPATHY/ DWARFISM, PITUITARY, complications/ DWARFISM, PITUITARY, pathology/ FEMALE/ HUMAN/ HYPERLIPEMIA, etiology/ HYPERLIPEMIA, metabolism/ INSULIN, blood/ INSULIN, metabolism/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ MALE/ MIDDLE AGE/ PHOSPHOLIPIDS, blood/ RETINAL DISEASES, etiology/ TRIGLYCERIDES, blood

2758. **Merimee TJ, Rabin D:** A survey of growth hormone secretion and action. Metabolism 22:1235-51, Sep 73 (63 ref.)
ADULT/ CHLORPROMAZINE, metabolism/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HUMAN/ HYPOTHALAMUS, physiology/ INSULIN, metabolism/ LIMBIC SYSTEM, physiology/ MALE/ MEDULLA OBLONGATA, physiology/ PROTEINS, biosynthesis/ REVIEW/ SOMATOMEDIN, metabolism/ *SOMATOTROPIN/ SOMATOTROPIN, antagonists & inhibitors/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ SOMATOTROPIN, secretion

2759. **Merin RG:** Inhalation anesthetics and myocardial metabolism: possible mechanisms of functional effects. Anesthesiology 39:216-55, Aug 73 (221 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENYL CYCLASE, metabolism/ *ANESTHESIA, INHALATION/ ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ ETHYL ETHER, pharmacodynamics/ FATTY ACIDS, metabolism/ FLUROXENE, pharmacodynamics/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HALOTHANE, pharmacodynamics/ HORMONES, physiology/ HUMAN/ INSULIN, physiology/ METHOXYFLURANE, pharmacodynamics/ MITOCHONDRIA, metabolism/ MUSCLE PROTEINS, metabolism/ *MYOCARDIUM, metabolism/ OXYGEN CONSUMPTION, drug effects/ PYRUVATES, metabolism/ REVIEW/ TRIGLYCERIDES, metabolism

2760. **Merry AH, Dolphin PJ, Munday KA, et al:** Studies on the assembly and secretion of a multicomponent protein. The biosynthesis of vitellogenin, an oestrogen-induced glycolipophosphoprotein. Biochem J 132:459-63, Mar 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ CYCLOHEXIMIDE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTROGENS, pharmacodynamics/ *GLYCOPROTEINS, biosynthesis/ GLYCOPROTEINS, secretion/ IN VITRO/ ISOTOPE LABELING/ LEUCINE, metabolism/ *LIPOPROTEINS, biosynthesis/ LIPOPROTEINS, secretion/ LIVER, analysis/ LIVER, drug effects/ *LIVER, metabolism/ PEPTIDES, analysis/ PHOSPHATES, metabolism/ *PHOSPHOPROTEINS, biosynthesis/ PHOSPHOPROTEINS, secretion/ PHOSPHORUS ISOTOPES/ POLYSACCHARIDES/ TIME FACTORS/ TRITIUM/ XENOPUS

2761. **Merz WE, Hilgenfeldt U, Brockerhoff P, et al:** The time course of recombination of HCG subunits observed by immunological methods and circular dichroism studies. Acta Endocrinol [Suppl] (Kbh) 173:53, 1973
CIRCULAR DICHROISM/ GEL DIFFUSION TESTS/ GOATS, immunology/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ TIME FACTORS

2762. **Meserve LA, Leathem JH:** Hypothyroidism and the maturation of the hypothalamo-hypophyseal-adrenal axis. Dev Psychobiol 6:123-9, Mar 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ CORTICOTROPIN, pharmacodynamics/ ETHERS, pharmacodynamics/ FEMALE/ HANDLING (PSYCHOLOGY)/ HYPOTHALAMUS, growth & development/ *HYPOTHALAMUS, physiopathology/ *HYPOTHYROIDISM, physiopathology/ MALE/ *PITUITARY GLAND, physiopathology/ PREGNANCY/ RATS/ SECRETORY RATE, drug effects/ *STRESS/ THYROID GLAND, physiology

2763. **Messaris G, Evangelou GN, Tountas C:** Incidence of carcinoma in cold nodules of the thyroid gland. Surgery 74:447-8, Sep 73
ADENOCARCINOMA, occurrence/ *ADENOMA/ ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CARCINOMA, occurrence/ CARCINOMA, BASOSQUAMOUS, occurrence/ CARCINOMA, PAPILLARY, occurrence/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ SARCOMA, occurrence/ SEX FACTORS/ *THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, surgery

2764. **Messer HH, Armstrong WD, Singer L:** Influence of fluoride intake on reproduction in mice. J Nutr 103:1319-26, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, metabolism/ DEFICIENCY DISEASES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FERTILITY/ FLUORIDES, administration & dosage/ FLUORIDES, metabolism/ *FLUORIDES, pharmacodynamics/ FLUORIDES, toxicity/ FLUORINE/ GENETICS/ HUMERUS, metabolism/ MALE/ MICE/ MORTALITY/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *REPRODUCTION, drug effects/ SODIUM, administration & dosage/ SODIUM, pharmacodynamics

2765. **Messer HH, Armstrong WD, Singer L:** Influence of calcitonin on bone phosphatases and phosphate release in organ culture. Proc Soc Exp Biol Med 143:690-2, Jul 73
*ACID PHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONE enzymology/ *BONE AND BONES, metabolism BONE RESORPTION, drug effects/ CALCIUM metabolism/ CULTURE MEDIA/ DEPRESSION CHEMICAL/ MICE/ ORGAN CULTURE/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, metabolism/ SKULL, enzymology/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, pharmacodynamics/ TIME FACTORS

2766. **Messiha FS, Knopp W:** Metabolic patterns and clinic response to levedopa therapy in Parkinson's disea Clin Pharmacol Ther 14:565-71, Jul-Aug 73
AGED/ CATECHOL METHYLTRANSFERASE, metabolism/ DIET/ *DOPA, therapeutic use/ DOPA, urine/ EPINEPHRINE, urine/ HOMOVANILLIC ACID, urine/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ HYDROXYTRYPTOPHAN, urine/ MALE/ NEUROLOGIC EXAMINATION/ *PARKINSONISM, drug therapy/ PHENYLACETATES, urine/ PSYCHIATRIC STATUS RATING SCALES/ SEROTONIN, urine/ TIME FACTORS/ TRIHEXYPHENIDYL therapeutic use

2767. **Metzger JM, Secker-Walker RH, Krohn KA, et** Unsatisfactory biologic behavior of I-fibrinoge labeled by the chloramine-T method. J Lab Clin Med 82:267-75, Aug 73
ANIMAL EXPERIMENTS/ BLADDER, metabolism/ *CHLORAMINES, blood/ CHLORIDES, metabolism/ DOGS/ *FIBRINOGEN, metabolism/ FIBRINOGEN, physiology/ IODINE ISOTOPES, blood/ LIVE metabolism/ LUNG, metabolism/ METABOLIC CLEARANCE RATE/ METHODS/ MOLECULA WEIGHT/ MYOCARDIUM, metabolism/ SALIVARY GLANDS, metabolism/ SCINTILLATION COUNTERS/ SPLEEN, metabolism/ STOMACH, metabolism/ THYROID GLAND, metabolism/ TIME FACTORS/ TRICHLOROACETIC ACID

2768. **Meulen N van der, Sekeris CE:** Correlation betwe (3H)dexamethasone binding to a rat liver cyto receptor protein and stimulation of RNA synthesis glucocorticosteroids. FEBS Lett 33:184-6, 1 Jul
ANIMAL EXPERIMENTS/ CYTOSOL, metabolism/ *DEXAMETHASONE, metabolism DEXAMETHASONE, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ LIVER, growth & development/ *LIVER, metabolism/ MALE/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ *RNA, biosynthesis/ TRITIUM/ URACIL NUCLEOTIDES, metabolism

2769. **Meyer A, Lissac J, Rochemaure J, et al:** A propos d' cas de staphylococcémie á localisations tricuspidienne et pulmonaire chez un morphinoma Ann Med Interne (Paris) 124:19-22, Jan 73 (F
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CEPHALORIDINE, therapeutic use/ CEPHALOTHIN, therapeutic use/ ENDOCARDITIS, BACTERIAL, drug therapy/ *ENDOCARDITIS, BACTERIAL, etiology/ FEVER, drug therapy/ FEVER, etiology/ HUMAN/ MALE/ METHADONE, therapeutic use/ *MORPHINE ADDICTION, complications MORPHINE ADDICTION, drug therapy/ PULMONARY EMBOLISM, etiology/ SEPTICEMIA, drug therapy/ *SEPTICEMIA, etiology/ STAPHYLOCOCCAL INFECTIONS, drug therapy/ *STAPHYLOCOCCAL INFECTIONS, etiology/ TRICUSPID VALVE

2770. **Meyer CC, Meyer ON:** Methods for brain autoradiography. Physiol Behav 11:265-7, Aug
ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ *BRAIN, metabolism CHICKENS/ MALE/ METHODS/ MICROTOM TESTOSTERONE, metabolism/ TRITIUM

2771. **Meyer E, Gdal-On M, Zonis S:** Transient monocu blindness in a case of drusen of the optic d

Ophthalmologica 166:321-6, 1973
ADULT/ *BLINDNESS, etiology/ EYE DISEASES, complications/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ *FUNDUS OCULI/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MIDDLE AGE/ *OPTIC NERVE/ *OPTIC NEURITIS, complications/ OPTIC NEURITIS, drug therapy/ SCOTOMA, etiology/ TIME FACTORS/ VISUAL ACUITY/ VISUAL FIELDS

72. **Meyer JS, Bowman RE:** Rearing experience, stress and adrenocorticosteroids in the rhesus monkey.
Physiol Behav 8:339-43, Feb 72
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARBON ISOTOPES/ CORTICOTROPIN, pharmacodynamics/ FEEDBACK/ FEMALE/ HOUSING, ANIMAL/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ IMMOBILIZATION/ MACACA, physiology/ MALE/ MONKEYS/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, physiology/ SECRETORY RATE, drug effects/ SEX FACTORS/ *SOCIAL ISOLATION/ *STRESS, PSYCHOLOGICAL

73. **Meyer WL, Kunin AS:** Effects of cortisone, starvation, and rickets on oxidative enzyme activities of epiphyseal cartilage from rats.
Arch Biochem Biophys 156:122-33, May 73
ANIMAL EXPERIMENTS/ CARTILAGE, cytology/ CARTILAGE, drug effects/ *CARTILAGE, enzymology/ CHOLINE/ *CORTISONE, pharmacodynamics/ EPIPHYSES/ GLUCOSE OXIDASE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUTAMATE DEHYDROGENASE, metabolism/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ ISOCITRATE DEHYDROGENASE, metabolism/ KINETICS/ LACTATE DEHYDROGENASE, metabolism/ MALATE DEHYDROGENASE, metabolism/ MITOCHONDRIA, enzymology/ *OXIDOREDUCTASES, metabolism/ PYRUVATE OXIDASE, metabolism/ RATS/ *RICKETS, enzymology/ *STARVATION/ SUBCELLULAR FRACTIONS, enzymology/ SUCCINATE DEHYDROGENASE, metabolism/ TIBIA/ TIME FACTORS

. **Meyer-Burgdorff C, Seidel G, Schlüter FJ:** Freisetzung von Histamin und Serotonin bei extraskorporaler Zirkulation.
Anaesthesist 22:212-6, May 73 (Ger)
ACID-BASE EQUILIBRIUM/ ADOLESCENCE/ ADULT/ ANESTHESIA, INTRAVENOUS/ BICARBONATES, blood/ ENGLISH ABSTRACT/ *EXTRACORPOREAL CIRCULATION/ FEMALE/ *HISTAMINE LIBERATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPOTHERMIA, INDUCED/ MALE/ MIDDLE AGE/ OXYGEN, blood/ PARTIAL PRESSURE/ PREANESTHETIC MEDICATION/ *SEROTONIN, metabolism

. **Meyrier A, Marsac J, Billard D, et al:** Evolution des lésions osseuses au cours de l'hémodialyse itérative.
Ann Med Interne (Paris) 124:85-90, Feb 73 (Fre)
BIOPSY/ *BONE DISEASES, etiology/ BONE DISEASES, pathology/ BONE DISEASES, radiography/ BONE DISEASES, therapy/ BONE RESORPTION, etiology/ CALCINOSIS, etiology/ CALCIUM, blood/ FRACTURES, SPONTANEOUS, etiology/ *HEMODIALYSIS/ KIDNEY DISEASES, blood/ *KIDNEY DISEASES, complications/ KIDNEY DISEASES, therapy/ OSTEOMALACIA, etiology/ OSTEOSCLEROSIS, etiology/ PARATHYROID GLANDS, surgery/ PHOSPHORUS, blood

Mezinova NN, Khan OG: Ekskretsiia s mochoi estrogenov u bol'nykh rakom endometriia klimaktericheskogo i menopauzal'nogo vozrastnykh periodov.
Akush Ginekol (Mosk) 48:21-3, Oct 72 (Rus)
ADULT/ AGED/ CLIMACTERIC/ *ENDOMETRIUM/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *UTERINE NEOPLASMS, urine

2777. **Michalak E:** Mechanism of the action of DL-cysteine hydrochloride in delayed-type hypersensitivity. I. Influence of DL-cysteine hydrochloride on levels of SH groups in the lymphatic organs of rats with postadjuvant polyarthritis.
Arch Immunol Ther Exp (Warsz) 21:249-54, 1973
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *ARTHRITIS, immunology/ CYSTEINE, administration & dosage/ *CYSTEINE, pharmacodynamics/ FEMALE/ *HYPERSENSITIVITY, DELAYED, immunology/ INJECTIONS, INTRAPERITONEAL/ LYMPH NODES, analysis/ LYMPHATIC SYSTEM, immunology/ *LYMPHATIC SYSTEM, metabolism/ RATS/ SPLEEN, analysis/ *SULFHYDRYL COMPOUNDS, analysis/ SULFHYDRYL COMPOUNDS, blood/ THYMUS GLAND, analysis/ TIME FACTORS

2778. **Michalak E, Ryżewski J, Markiewicz L:** Catecholamines in the lymphatic organs in rats with postadjuvant polyarthritis and after treatment with DL-cysteine hydrochloride.
Arch Immunol Ther Exp (Warsz) 21:491-9, 1973
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *ARTHRITIS, RHEUMATOID, immunology/ ARTHRITIS, RHEUMATOID, prevention & control/ *CATECHOLAMINES, metabolism/ *CYSTEINE, pharmacodynamics/ EPINEPHRINE, metabolism/ FEMALE/ KIDNEY, metabolism/ LIVER, metabolism/ LYMPH NODES, metabolism/ *LYMPHATIC SYSTEM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SPLEEN, metabolism/ THYMUS GLAND, metabolism/ TIME FACTORS

2779. **Michelacci M:** Sindromi paraneoplastiche ortopediche.
G Clin Med 54:78-83, Feb 73 (Ita)
ACROMEGALY, etiology/ ENGLISH ABSTRACT/ HUMAN/ *LUNG NEOPLASMS, complications/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, etiology/ SYNDROME

2780. **Mickan H:** 5Alpha-steroid reductase in human fetal brain.
Acta Endocrinol [Suppl] (Kbh) 173:136, 1973
*BRAIN, enzymology/ CARBON ISOTOPES/ CELL FRACTIONATION/ CHROMATOGRAPHY, THIN LAYER/ FETUS/ HUMAN/ NADP, pharmacodynamics/ *OXIDOREDUCTASES, metabolism/ *PREGNANES, metabolism/ *STANOLONE, metabolism/ TESTOSTERONE, pharmacodynamics

2781. **Miciuţia M, Holan T, Vincze I:** Nomograme utilizabile la studiul dozimetric al adenoamelor tiroidiene autonome tratate cu radioiod.
Stud Cercet Endocrinol 24:309-15, 1973 (Rum)
*ADENOMA, radiotherapy/ HUMAN/ *IODINE ISOTOPES, administration & dosage/ *RADIOTHERAPY DOSAGE/ *THYROID NEOPLASMS, radiotherapy

2782. **Miciutia M, Macavei G:** Observations sur la radiographie directement agrandie dans la pathologie du squelette. Etude radiophysique, expérimental et clinique.
Radiol Diagn (Berl) 14:355-63, 1973 (Fre)
*BONE AND BONES, radiography/ ENGLISH ABSTRACT/ HUMAN/ IMAGE ENHANCEMENT/ MATHEMATICS/ METHODS/ *RADIOGRAPHIC MAGNIFICATION/ TECHNOLOGY, RADIOLOGIC

2783. **Middleditch BS, Desiderio DM:** Mass spectra of prostaglandins. I. Trimethylsilyl and alkyloxime-trimethylsilyl derivatives of prostaglandin A1.
Prostaglandins 4:31-46, Jul 73
CHROMATOGRAPHY, GAS/ ESTERS/ IN VITRO/ MASS SPECTRUM ANALYSIS/ METHYL ETHER/ OXIMES, analysis/ PRECIPITATION/ *PROSTAGLANDINS, analysis

2784. **Middleditch BS, Vouros P, Brooks CJ:** Mass spectrometry in the analysis of steroid drugs and their metabolites: electron-impact-induced fragmentation of ring D. J Pharm Pharmacol 25:143-9, Feb 73
CHROMATOGRAPHY, GAS/ DEUTERIUM/ ELECTRONS/ ETHERS/ IONS/ MASS SPECTRUM ANALYSIS/ SILICON/ STEROIDS, analysis/ STEROIDS, metabolism

2785. **Miękoś E, Leńko J:** Mikroangiografia. Medotyka badania. Przyczyny pomyłek.
Pol Przegl Chir 45:813-21, Jun 73 (Pol)
ADRENAL GLANDS, blood supply/ *ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ GUINEA PIGS/ HUMAN/ KIDNEY, blood supply/ METHODS/ *MICROCIRCULATION/ RABBITS

2786. **Mieno M, Kawao K, Shimizu T, et al:** Effects of adenosine-3',5'-monophosphate and 5-hydroxytryptamine on the secretory activity of the canine testis. Tohoku J Exp Med 110:113-7, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOGS/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ 17-KETOSTEROIDS, secretion/ MALE/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TESTIS, secretion

2787. **Miettinen TA:** Mode of action of a new hypocholesteraemic drug (DH-581) in familial hypercholesteraemia.
Atherosclerosis 15:163-76, Mar-Apr 72
ACETATES, metabolism/ ADULT/ AGED/ *ANTICHOLESTEREMIC AGENTS, therapeutic use/ CARBON ISOTOPES, metabolism/ CHOLESTEROL, blood/ FECES, analysis/ FEMALE/ HUMAN/ *HYPERLIPEMIA, ESSENTIAL FAMILIAL, drug therapy/ LIPIDS, analysis/ LIPIDS, blood/ LIVER, analysis/ MALE/ MEVALONIC ACID, metabolism/ MIDDLE AGE/ STEROIDS, analysis/ TIME FACTORS/ TRIGLYCERIDES, blood/ TRITIUM, metabolism

2788. **Mihashi S, Hirano M, Ichikawa A, et al:** [Clinical application of thyroid angiography in thyroid diseases] J Otolaryngol Jap 76:427-31, Apr 73 (Jap)
ADULT/ *ANGIOGRAPHY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, radiography/ *THYROID GLAND, blood supply/ THYROID NEOPLASMS, diagnosis

2789. **Mikat DM, Ackerman HR Jr, Mikat KW:** Balanitis xerotica obliterans: report of a case in an 11-year-old and review of the literature. Pediatrics 52:25-8, Jul 73
ATROPHY, pathology/ *BALANITIS, complications/ BALANITIS, drug therapy/ BALANITIS, pathology/ BALANITIS, surgery/ CHILD/ CIRCUMCISION/ CONNECTIVE TISSUE, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENDARTERITIS, pathology/ EPITHELIUM, pathology/ HUMAN/ INFLAMMATION, pathology/ KERATOSIS, pathology/ MALE/ PENIS, pathology/ *PHIMOSIS, complications/ TRIAMCINOLONE ACETONIDE, therapeutic use/ URETHRAL STRICTURE, etiology/ URINATION DISORDERS, etiology

2790. **Mikhail Y, Amin F:** Effects of different hormones on the zoning and sinusoids of the adrenal gland.
Acta Anat (Basel) 85:386-94, 1973
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, administration & dosage/ CORTISONE, pharmacodynamics/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ MALE/ RATS/ STIMULATION, CHEMICAL

2791. **Miki A:** [A study on diurnal variation in urir excretion. II. Observations in nocturnal enuresis ar other diseases without enuresis]
Jap J Urol 64:41-56, Jan 73 (Jap
ADOLESCENCE/ CHILD/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ *ENURESIS urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ POTASSIUM, urine/ SODIUM, urine/ *URINE metabolism/ VASOPRESSIN, urine

2792. **Mikolajczyk H:** Długość przeżycia w polu mikrof szczurów normalnych i szczurów z usuniętą przysadk
Patol Pol 24:325-31, Apr-Jun 73 (Po
ANIMAL EXPERIMENTS/ BODY WEIGHT/ ENGLISH ABSTRACT/ HYPOPHYSECTOMY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *MICROWAVES, adverse effects/ *PITUITAR GLAND, physiology/ RATS/ TIME FACTORS

2793. **Milcou SM, Radian N:** Quelques particularités l'hyperthyroidie exophthalmique pubertaire.
Probl Actuels Endocrinol Nutr 16:279-93, 3 May (Fr
ADOLESCENCE/ AGE FACTORS/ AUTONOMIC DYSFUNCTION, etiology/ CHILD/ FEMALE/ *GOITER, EXOPHTHALMIC/ GOITER, EXOPHTHALMIC complications/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, surgery HUMAN/ MALE/ MENSTRUATION DISORDERS, etiology/ NEUROLOGIC MANIFESTATIONS/ *PUBERTY/ SEX FACTORS/ THYROIDECTOMY

2794. **Milcou SM, Serban AI, Ionesco B, et al:** Testicu féminisant avec ambosexualisation pubertaire mosaique 46 XY-47 XX.
Ann Endocrinol (Paris) 33:607-21, Nov-Dec 72 (Fr
ADOLESCENCE/ ADULT/ CASTRATION/ DERMATOGLYPHICS/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, urine/ *HERMAPHRODITISM, complications/ HUMAN 17-HYDROXYCORTICOSTEROIDS, urine/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ *MOSAICISM/ PUBERTY/ *SEX CHROMOSOME ABNORMALITIES, complications/ *TESTICULAR FEMINIZATION complications/ TESTICULAR FEMINIZATION, surgery/ TESTIS, enzymology/ TESTIS, pathology/ TESTIS, secretion/ TESTOSTERONE, urine

2795. **Milcu SM:** Debutul în gusa endemică.
Stud Cercet Endocrinol 24:345-7, 1973 (Rum
GOITER, ENDEMIC, diagnosis/ *GOITER, ENDEMIC, pathology/ HUMAN

2796. **Milcu SM:** Scintigrama suprarenalelor.
Stud Cercet Endocrinol 24:349, 1973 (Rum
*ADRENAL GLAND DISEASES, diagnosis/ CHOLESTEROL, diagnostic use/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *RADIOISOTOPE SCANNING

2797. **Milgrom E, Thi L, Atger M, et al:** Mechanism regulating the concentration and the conformation progesterone receptor(s) in the uterus.
J Biol Chem 248:6366-74, 25 Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DACTINOMYCIN, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ GEL FILTRATION/ GUINEA PIGS/ HYDROXYMERCURIBENZOATES, pharmacodynamics/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ *RECEPTORS, HORMONE drug effects/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS metabolism/ TIME FACTORS/ TRITIUM/

UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism

98. **Milhaud G, Rivaille P, Staub JF:** Parathyroid-hormone fragment. Lancet 2:440, 25 Aug 73
AMINO ACID SEQUENCE/ BIOLOGICAL ASSAY/ HUMAN/ METHODS/ *PARATHYROID HORMONE, chem synthesis/ RATS

99. **Millaressis E, Poirel C:** Sur la signification fonctionnelle de l'autostimulation intracérébrale en psychopathologie comparée.
Encephale 61:560-73, Nov-Dec 72 (Fre)
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ RATS/ SELF STIMULATION/ *TELENCEPHALON, physiology

00. **Miller DR, Dewey WC, Miller HH:** X-ray-induced delay in the Chinese hamster cell-cycle: dependence on phase irradiated under different culturing conditions, BUdR incorporation, and hypertonic treatment.
Int J Radiat Biol 23:591-602, Jun 73
*BROMODEOXYURIDINE, pharmacodynamics/ CELLS, CULTURED, drug effects/ CELLS, CULTURED, radiation effects/ CULTURE MEDIA/ FEMALE/ HAMSTERS/ HYPERTONIC SOLUTIONS/ MITOSIS, drug effects/ *MITOSIS, radiation effects/ OVARY/ *RADIATION EFFECTS

01. **Miller GC, Witham AC:** Delayed febrile pleuropericarditis after sepsis. A possible analogue of the postcardiotomy syndrome.
Ann Intern Med 79:194-7, Aug 73
ADULT/ ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ ERYTHROCYTES/ FEMALE/ FEVER, etiology/ HEART AUSCULTATION/ HEART ENLARGEMENT, radiography/ HUMAN/ LATEX FIXATION TESTS/ MALE/ *MENINGOCOCCAL INFECTIONS, complications/ MIDDLE AGE/ OXACILLIN, therapeutic use/ PERICARDIAL EFFUSION/ PERICARDITIS, drug therapy/ *PERICARDITIS, etiology/ PERICARDITIS, immunology/ *PLEURAL DISEASES, etiology/ PLEURAL EFFUSION/ PNEUMONIA, complications/ PREDNISONE, therapeutic use/ RECURRENCE/ *SEPTICEMIA, complications/ *STAPHYLOCOCCAL INFECTIONS, complications/ TIME FACTORS

02. **Miller HJ:** A case of transexualism exhibiting intersexuality, having a possible XXY--sex determining mechanism.
J Am Soc Psychosom Dent Med 20:58-60, 1973
HUMAN/ *SEX DETERMINATION/ *TRANSSEXUALISM

03. **Miller JJ 3d:** Late progression in dermatomyositis in childhood. J Pediatr 83:543-8, Oct 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ AUTOPSY/ CALCINOSIS, pathology/ CHILD/ CHILD, PRESCHOOL/ CONTRACTURE, pathology/ CREATINE KINASE, blood/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, mortality/ *DERMATOMYOSITIS, pathology/ DERMATOMYOSITIS, physiopathology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MUSCLES, pathology/ MUSCLES, physiopathology/ SKIN MANIFESTATIONS/ TIME FACTORS

04. **Miller M, Wilks JW:** Urinary antidiuretic hormone excretion during the menstrual cycle and pregnancy in the monkey. Neuroendocrinology 12:174-8, 1973
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ MACACA/ MONKEYS/ OSMOLAR CONCENTRATION/ OVULATION/ PITUITARY GLAND, POSTERIOR, physiology/ *PREGNANCY, ANIMAL/ *VASOPRESSIN, urine/ WATER-ELECTROLYTE BALANCE

2805. **Miller WA, Jagiello G:** Gonadotropin dependency of isolated ovine ovarian follicles cultured in vitro.
Fertil Steril 24:609-17, Aug 73
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CULTURE MEDIA/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ *GRAAFIAN FOLLICLE/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, enzymology/ OVARY/ OVARY, enzymology/ OVUM, cytology/ SHEEP/ TIME FACTORS/ TISSUE CULTURE

2806. **Miller WJ:** Dynamics of absorption rates, endogenous excretion, tissue turnover, and homeostatic control mechanisms of zinc, cadmium, manganese, and nickel in ruminants. Fed Proc 32:1915-20, Aug 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BONE AND BONES, metabolism/ *CADMIUM, metabolism/ CATTLE/ HOMEOSTASIS/ INTESTINAL ABSORPTION/ INTESTINES, secretion/ KIDNEY, metabolism/ LIVER, metabolism/ *MANGANESE, metabolism/ MILK, analysis/ MINERALS, secretion/ MUSCLES, metabolism/ *NICKEL, metabolism/ TIME FACTORS/ *ZINC, metabolism

2807. **Miller WR, Boyd A, Telford J, et al:** Androgen metabolism in human neoplastic and normal breast tissue. Br J Cancer 28:77, Jul 73
*ANDROGENS, metabolism/ *BREAST, metabolism/ *BREAST NEOPLASMS, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HUMAN/ IN VITRO/ TESTOSTERONE, metabolism

2808. **Mills JA, Jeffies GG Jr, Brackett BG:** Embryo transfer following in vitro and in vivo fertilization of rabbit ova. Fertil Steril 24:602-8, Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CULTURE MEDIA/ *EMBRYO, transplantation/ FALLOPIAN TUBES, surgery/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, administration & dosage/ INJECTIONS, INTRAVENOUS/ MALE/ NIDATION/ *OVUM/ OVUM, cytology/ OVUM, transplantation/ PREGNANCY/ RABBITS/ SEX RATIO/ SPERMATOZOA/ TRANSPLANTATION, HOMOLOGOUS

2809. **Mills OH Jr, Leyden JJ, Kligman AM:** Tretinoin treatment of steroid acne.
Arch Dermatol 108:381-4, Sep 73
ACNE, chemically induced/ *ACNE, drug therapy/ ADOLESCENCE/ ADULT/ CHILD/ FATTY ACIDS, UNSATURATED, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ *VITAMIN A, therapeutic use

2810. **Milne RM, Hibbert DJ:** An unusual case of hyperparathyroidism.
J R Coll Surg Edinb 18:239-41, Jul 73
*ADENOMA, complications/ ADENOMA, diagnosis/ ADULT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, etiology/ MALE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY

2811. **Milsom JP, Wynn CH:** The heterogeneous distribution of acid hydrolases within a homogeneous population of cultured mammalian cells.
Biochem J 132:493-500, Mar 73
*ACID PHOSPHATASE, analysis/ CATHEPSIN, analysis/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOCHROME OXIDASE, analysis/ DENSITOMETRY/ FEMALE/ FIBROBLASTS, enzymology/ FUMARATE HYDRATASE, analysis/ *GLUCOSAMINIDASE, analysis/

GLUCURONIDASE, analysis/ HAMSTERS/ HYDROGEN-ION CONCENTRATION/ LYSOSOMES, enzymology/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ OVARY, cytology/ OVARY, enzymology/ *RIBONUCLEASE, analysis/ *SULFATASES, analysis/ ULTRACENTRIFUGATION

2812. **Minka AF, Gusiakov VP:** Zastosuvannia infrachervonoi spektroskopii dlia kil'kisnoho vyznachennia prednizolonu.
Farm Zh 27:41-4, Nov-Dec 72 **(Ukr)**
ENGLISH ABSTRACT/ OPHTHALMIC SOLUTIONS, analysis/ *PREDNISOLONE, analysis/ SOLUBILITY/ *SPECTROPHOTOMETRY, INFRARED/ TABLETS, analysis

2813. **Minkes MS, Douglas JR Jr, Needleman P:** Prostaglandin release by the isolated perfused rabbit heart.
Prostaglandins 3:439-45, Apr 73
*ADENOSINE DIPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BRADYKININ, pharmacodynamics/ CHICKENS/ COLON, drug effects/ DEPRESSION, CHEMICAL/ INDOMETHACIN, pharmacodynamics/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ *PROSTAGLANDINS, metabolism/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ RECTUM, drug effects/ STIMULATION, CHEMICAL/ STOMACH, drug effects

2814. **Minne H, Bellwinkel S, Ziegler R:** The effect of calcitonin on glucose assimilation and insulin secretion in man.
Acta Endocrinol [Suppl] (Kbh) 173:162, 1973
*BLOOD SUGAR, metabolism/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ EDTA, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ PANCREAS, drug effects/ STIMULATION, CHEMICAL/ STOMACH, drug effects/ *THYROCALCITONIN, pharmacodynamics

2815. **Minnich JL, Donaldson J, Barbeau A:** Modification des concentrations régionales des monoamines cérébrales par l'angiotensine.
Union Med Can 102:903-6, Apr 73 **(Fre)**
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *DOPAMINE, metabolism/ ENGLISH ABSTRACT/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism

2816. **Mints SM, Padalka ES, Lazarovich VG:** Vliianie sverkhvysokochastotnogo elektromagnitnogo polia na soderzhanie metallov i metalloproteidov v organakh i tkaniakh zhivotnykh.
Biol Neonate 110:46-9, 1973 **(Rus)**
ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS/ BONE AND BONES, analysis/ CERULOPLASMIN, analysis/ COBALT, analysis/ COLORIMETRY/ COPPER, analysis/ *ELECTROMAGNETICS/ IRON, analysis/ LIVER, analysis/ MALE/ *METALLOPROTEINS, analysis/ MUSCLES, analysis/ POLAROGRAPHY/ RATS/ TIME FACTORS/ *TRACE ELEMENTS, analysis/ TRANSFERRIN, analysis/ ZINC, analysis

2817. **Mintz U, Pinkhas J, Pick AI, et al:** Philadelphia chromosome-negative, lysozyme-positive chronic myeloid leukemia. Haematologia (Budap) 7:3-6, 1973
AGED/ ALLOPURINOL, therapeutic use/ BONE MARROW EXAMINATION/ BUSULFAN, therapeutic use/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KIDNEY, pathology/ *LEUKEMIA, MYELOCYTIC/ LEUKEMIA, MYELOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, enzymology/ LEUKEMIA, MYELOCYTIC, familial & genetic/ LIVER, pathology/ MALE/ *MURAMIDASE, urine/ PREDNISONE, therapeutic use/ SPLEEN, pathology

2818. **Mirimanova RP, Vartapetova TA:** Sostoianie kozhi i e pridatkov u bol'nykh pubertatno-lumosheskim dispituitarizmom.
Probl Endokrinol (Mosk) 19:40-3, May-Jun 73 (Ru
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ ETIOCHOLANOLONE, urine/ FEMALE/ HIRSUTISM, physiopathology/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine 17-KETOSTEROIDS, urine/ *PITUITARY DISEASES, physiopathology/ PUBERTY/ *SKI APPENDAGE DISEASES, physiopathology/ *SKIN DISEASES, physiopathology

2819. **Mirkhodzhaev AKh:** Sostoianie gepato-biliarnoi sistemy u bol'nykh akromegaliei.
Probl Endokrinol (Mosk) 19:26-8, May-Jun 73 (Ru
*ACROMEGALY, physiopathology/ ADULT/ *BILE DUCTS, INTRAHEPATIC, physiopathology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEMODYNAMICS/ HUMAN/ LIVER FUNCTION TESTS/ PULSE

2820. **Mirkin BL:** Research goals in developmental pharmacology.
Clin Pharmacol Ther 14:762-6, Jul-Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BEHAVIOR, drug effects/ BIOTRANSFORMATION, drug effects/ DRUG THERAPY/ DRUGS, metabolism/ FETUS, physiology/ GENETICS/ GROWTH, drug effects/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ MODELS, BIOLOGICAL/ NUTRITION DISORDERS, metabolism/ *PHARMACOLOGY/ PLACENTA, metabolism/ PREGNANCY/ *RESEARCH

2821. **Mirkin BL:** Maternal and fetal distribution of drugs i pregnancy. Clin Pharmacol Ther 14:643-7, Jul-Aug 7
AGE FACTORS/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLOOD/ BLOOD-BRAI BARRIER, drug effects/ CARBON ISOTOPES/ CHEMISTRY/ DIPHENYLHYDANTOIN, metabolism/ *DRUGS, metabolism/ FETUS, metabolism/ HUMAN/ LIPIDS/ MALE/ *MATERNAL-FETAL EXCHANGE/ MICE/ MOLECULAR WEIGHT/ PLACENTA/ PLACENTA, metabolism/ *PREGNANCY/ PROTEIN BINDING/ SOLUBILITY

2822. **Mishell DR Jr, Israel R, Freid N:** A study of the copper intrauterine contraceptive device (TCu 200) i nulliparous women.
Am J Obstet Gynecol 116:1092-6, 15 Aug 73
ADOLESCENCE/ ADULT/ BARIUM SULFATE COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, adverse effects/ COPPER/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ PAIN, etiology/ PARITY/ POLYETHYLENES/ PREGNANCY/ UTERINE HEMORRHAGE, etiology

2823. **Mishra NK, Ryan WL, Chaudhuri SN:** Elevation of th intracellular levels of cyclic adenosine monophosphate during in vitro infection of transmissible gastroenteritis virus. Brief report
Arch Gesamte Virusforsch 41:280-3, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELLS, CULTURED, analysis/ *CELLS, CULTURED, metabolism/ CELLS, CULTURED, microbiology/ DACTINOMYCIN, pharmacodynamics/ *GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE, microbiology/ KIDNEY/ RNA, VIRAL biosynthesis/ *RNA VIRUSES, growth & development/ RNA VIRUSES, metabolism/ SWINE/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

2824. **Mital VK, Garg BK:** Undescended testicle.
Indian J Pediatr 39:171-4, May 72
CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM/ CRYPTORCHISM, occurrence/ FOLLOW-UP STUDIES/ HUMAN/ INDIA/ INFANT/ INFANT, NEWBORN/ MALE

2825. **Mitani H:** [A follow-up study of growth increment and rate in the human face during puberty. I. Study of growth increment]
J Jap Orthod Soc 31:307-18, Dec 72 **(Jap)**
ENGLISH ABSTRACT/ MAXILLOFACIAL DEVELOPMENT/ PUBERTY/ SPECIAL LIST DENTAL

2826. **Mitani H:** Contributions of the posterior cranial base and mandibular condyles to facial depth and height during puberty. Angle Orthod 43:337-43, Jul 73
ADOLESCENCE/ *CEPHALOMETRY/ CHILD/ FACE, anatomy & histology/ FEMALE/ HUMAN/ MALE/ *MANDIBULAR CONDYLE, growth & development/ *MAXILLOFACIAL DEVELOPMENT/ *MONGOLOID RACE/ *PUBERTY/ *SKULL, growth & development

2827. **Mitch WE, Spivak JL, Spangler DB, et al:** Thrombotic thrombocytopenic purpura presenting with gynaecological manifestations.
Lancet 1:849-50, 21 Apr 73
ADULT/ BLOOD COAGULATION TESTS/ CURETTAGE/ DILATATION/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ FEMALE/ HEMOPERITONEUM, etiology/ *HEMORRHAGE, etiology/ HUMAN/ OVARIAN CYSTS, complications/ PROTHROMBIN TIME/ *PURPURA, THROMBOTIC THROMBOPENIC, diagnosis/ RUPTURE, SPONTANEOUS/ SYNCOPE, etiology/ *VAGINAL DISEASES, etiology/ VAGINAL DISEASES, surgery/ VAGINAL DISEASES, therapy

2828. **Mitchell I, Lawson AA:** Monozygous twins with hypothyroidism and diabetes mellitus.
Postgrad Med J 49:107-12, Feb 73
AUTOIMMUNE DISEASES/ DIABETES MELLITUS, etiology/ *DIABETES MELLITUS, familial & genetic/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ HYPOTHYROIDISM, etiology/ *HYPOTHYROIDISM, familial & genetic/ MIDDLE AGE

2829. **Mitchell JA, Hutchins M, Schindler WJ, et al:** Increases in plasma growth hormone concentration and naso-anal length in rats following isolation of the medial basal hypothalamus.
Neuroendocrinology 12:161-73, 1973
ANIMAL EXPERIMENTS/ *BODY HEIGHT/ *BODY WEIGHT/ FEEDBACK/ FEMALE/ HEART, growth & development/ *HYPOTHALAMUS, physiology/ KIDNEY, growth & development/ OBESITY/ RATS/ *SOMATOTROPIN, blood/ STRESS

2830. **Mitsuhashi S, Segawa Y, Kajimoto S, et al:** [Studies on hemodialysis. II. Histopathological findings]
Jap J Urol 64:217-30, Mar 73 **(Jap)**
ADULT/ AUTOPSY/ BONE AND BONES, pathology/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ *KIDNEY, pathology/ MALE/ PARATHYROID GLANDS, pathology/ PERICARDIUM, pathology

2831. **Miura Y, Sato T, Abe K, et al:** Renin-angiotensin system in human hypertension due to segmental renal ischemia. Jap Circ J 37:383-92, Apr 73
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, secretion/ BLOOD PRESSURE/ CHILD/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, pathology/ HYPERTENSION, RENAL, physiopathology/ *ISCHEMIA, complications/ *KIDNEY, blood supply/ KIDNEY, enzymology/ KIDNEY, pathology/ MALE/ RENIN, blood/ *RENIN, secretion

2832. **Miyachi Y, Mecklenburg RS, Lipsett MB:** In vitro studies of pituitary-median eminence unit.
Endocrinology 93:492-6, Aug 73
ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *FSH, secretion/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ *LH, secretion/ MALE/ RATS

2833. **Miyai K, Hashimoto T, Azukizawa M, et al:** [Radioimmunoassay for pituitary hormones]
Jap J Clin Pathol 21:293-7, Apr 73 **(Jap)**
HUMAN/ IODINE ISOTOPES/ METHODS/ *PITUITARY HORMONES, analysis/ *RADIOIMMUNOASSAY/ THYROTROPIN, analysis

2834. **Miyake T, Hori T, Suzuki T:** Epithioandrostanol(10275-S), an estrogen antagonist.
Endocrinol Jap 20:157-65, Apr 73
*ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ ESTRADIOL, antagonists & inhibitors/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ HYDROXYSTEROIDS, pharmacodynamics/ MICE/ PROGESTERONE, pharmacodynamics/ SULFIDES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ TRITIUM/ UTERUS, drug effects/ VAGINA, drug effects

2835. **Miyata M:** [Serotonin (5-HT) release and hemodynamics following instillation of various solutions into proximal intestine. Experimental study] Jap J Surg 73:1656-70, Dec 72 **(Jap)**
ANIMAL EXPERIMENTS/ DOGS/ *DUMPING SYNDROME/ DUMPING SYNDROME, blood/ DUMPING SYNDROME, physiopathology/ GLUCOSE, administration & dosage/ *HEMODYNAMICS/ HYPERTONIC SOLUTIONS/ INJECTIONS/ *INTESTINES, blood supply/ ISOTONIC SOLUTIONS/ *SEROTONIN, blood/ SODIUM CHLORIDE, administration & dosage

2836. **Miyazaki G, Sasano N, Torikai T, et al:** Adrenocortical carcinoma with an isolated mineralocorticoid excess and recurrency fourteen years after removal of the tumor. Tohoku J Exp Med 109:365-75, Apr 73
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, pathology/ ADULT/ ALDOSTERONE, secretion/ HUMAN/ HYDROCORTISONE, secretion/ HYPERTENSION, etiology/ MALE/ *MINERALOCORTICOIDS, secretion/ MUSCULAR DISEASES, etiology/ *NEOPLASM RECURRENCE, LOCAL/ POLYURIA, etiology/ *TETANY, etiology/ TIME FACTORS

2837. **Miyazaki T, Shiomi K, Hachiya T, et al:** [Familial occurrence of Basedow's disease]
Folia Endocrinol Jap 49:995-1000, 20 Jul 73 **(Jap)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE, diagnostic use/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, familial & genetic/ HUMAN/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ PEDIGREE/ THYROID GLAND FUNCTION TESTS

2838. **Mizuguchi H, Mori H, Tamura T, et al:** [Diagnosis and ovulation induction with LH-RH]
Clin Endocrinol (Tokyo) 21:365-72, Apr 73 **(Jap)**
ADOLESCENCE/ *AMENORRHEA, diagnosis/ CHILD/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ LH, secretion/ *OVULATION, drug effects/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ PREGNANCY

2839. **Mizuno H, Sensui N:** A counteraction of cortisol on lactation depressing effect of estradiol in the mouse.
Endocrinol Jap 20:167-74, Apr 73
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ESTRADIOL, administration & dosage/ *ESTRADIOL, antagonists & inhibitors/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ *LACTATION, drug effects/ MICE/ ORGAN WEIGHT/ PREGNANCY/ PROLACTIN, pharmacodynamics/ TIME FACTORS

2840. **Mlotowski T, Wermut W, Rynkiewicz H, et al:** Hiperlipoproteinemia rodzinna i jej leczenie.
Pol Tyg Lek 28:857-60, 4 Jun 73 **(Pol)**
AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERLIPEMIA, ESSENTIAL FAMILIAL, drug therapy/ MALE/ MIDDLE AGE/ PEDIGREE/ THYROXINE, therapeutic use

2841. **Moatti N, Lemonnier A:** Les systémes de transfert des acides aminés et leur importance en pathologie. I. Modalités du transfert des acides aminés au niveau rénal et intestinal.
Ann Biol Clin (Paris) 31:175-83, 1973 (93 ref.) **(Fre)**
ALANINE, metabolism/ *AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ CARCINOMA, EHRLICH TUMOR, metabolism/ ENGLISH ABSTRACT/ HARTNUP DISEASE, metabolism/ HUMAN/ INTESTINAL ABSORPTION/ *INTESTINES, metabolism/ *KIDNEY, metabolism/ KIDNEY CONCENTRATING ABILITY/ KIDNEY CORTEX, metabolism/ KIDNEY TUBULES, metabolism/ RATS/ *RENAL TUBULAR TRANSPORT, INBORN ERRORS/ REVIEW/ VITAMIN D DEFICIENCY, metabolism

2842. **Mocsary P, Csapo AI:** "Delayed menstruation" induced by prostaglandin in pregnant patients.
Lancet 2:683, 22 Sep 73
*ABORTION, INDUCED/ ADULT/ CURETTAGE, adverse effects/ DILATATION/ FEMALE/ HOSPITAL OUTPATIENT CLINICS/ HOSPITALIZATION/ HUMAN/ LABOR, PREMATURE, etiology/ MENSTRUATION/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS

2843. **Modigh K:** Effects of chlorimipramine and protriptyline on the hyperactivity induced by 5-hydroxytryptophan after peripheral decarboxylase inhibition in mice. J Neural Transm 34:101-9, 1973
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BRAIN, drug effects/ *BRAIN, metabolism/ *CARBOXY-LYASES, antagonists & inhibitors/ *DIBENZAZEPINES, pharmacodynamics/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ HYDROXYTRYPTOPHAN, administration & dosage/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ METHYLDOPAHYDRAZINE, pharmacodynamics/ MICE/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RECEPTORS, NEURAL, drug effects/ SEROTONIN, metabolism

2844. **Mohamed MA:** Hypopituitarism and the eye.
Bull Ophthalmol Soc Egypt 65:237-40, 1972
ADULT/ CATARACT, complications/ CATARACT EXTRACTION/ *EYE DISEASES, complications/ HUMAN/ *HYPOPITUITARISM, complications/ MALE/ OPHTHALMOSCOPY/ OPTIC ATROPHY, complications

2845. **Mohrenweiser HW, Yatvin MB, Pitot HC:** Interaction of glucagon and catecholamines in the regulation of serine dehydratase. Endocrinology 93:469-77, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ *EPINEPHRINE, pharmacodynamics/ *GLUCAGON, antagonists & inhibitors/ HYDROCORTISONE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *LIVER, enzymology/ MALE/ RATS/ *SERINE DEHYDRATASE, metabolism/ TIME FACTORS

2846. **Mokrousov MS:** Negribkovye zabolevaniia nogtei.
Zh Eksp Klin Med 13:100-6, 1973 **(Rus)**
ADULT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ *NAILS/ SKIN DISEASES, drug therapy/ *SKIN DISEASES, etiology

2847. **Molino G, Cavanna A, Chiara G, et al:** Variazioni circadiane di escrezione urinaria dei principa corticosteroidi liberi e glicuronoconiugati.
Folia Endocrinol (Roma) 26:110-7, Apr 73 **(It**
ADULT/ ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ ETIOCHOLANOLONE, urine/ FEMALE/ *GLUCOCORTICOIDS, urine/ *GLUCURONATES, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYLASES/ HYDROXYLATION/ 17-KETOSTEROIDS, urine/ MALE/ OXIDOREDUCTASES/ PREGNANEDIOL, urin PREGNANETRIOL, urine

2848. **Molino G, Cavanna A, Giordano O, et al:** Modificazic del profilo gas-cromatografico dei corticosteroi urinari indotte da dosi diverse di Beta 1-24 corticotropina.
Folia Endocrinol (Roma) 26:118-25, Apr 73 **(It**
ADULT/ ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ ETIOCHOLANOLONE, urine/ *GLUCOCORTICOIDS, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYLASES/ HYDROXYLATION/ 17-KETOSTEROIDS, urine/ MALE/ OXIDOREDUCTASES/ PREGNANEDIOL, urin PREGNANETRIOL, urine

2849. **Moller OM:** The fine structure of the ovaria interstitial gland cells in the mink, Mustela vis
J Reprod Fertil 34:171-4, Jul 73
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ LIPIDS/ MICROSCOPY, ELECTRON/ MINK, anatomy histology/ MITOCHONDRIA/ *OVARY, cytolo

2850. **Moller OM:** Forlenget drektighet hos blårev ett choriongonadotropin-behandling.
Nord Vet Med 24:492-500, Oct 72 **(No**
*ABORTION, VETERINARY, prevention & control/ ANIMAL EXPERIMENTS/ CESAREA SECTION, veterinary/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ *FOXES/ *GONADOTROPINS, CHORIONIC, therapeutic use/ LACTATION, drug effects/ OVARY, pathology/ PREGNANCY/ PROGESTERONE, blood

2851. **Mommaerts WF:** Energetics of contraction.
Muscle Biol 1:1-12, 1972
ADENOSINE TRIPHOSPHATE, metabolism/ BIOMECHANICS/ CALCIUM, metabolism/ HUMAN/ *MUSCLE CONTRACTION/ *MUSCLES, metabolism/ OXYGEN CONSUMPTION/ PHOSPHOCREATINE, metabolism

2852. **Momose KJ, New PF:** Non-atheromatous stenosis a occlusion of the internal carotid artery and its m branches.
Am J Roentgenol Radium Ther Nucl Med 118:550-
Jul 73
*ARTERIAL OCCLUSIVE DISEASES, etiolog ARTERITIS, complications/ BRAIN DISEASE complications/ BRAIN NEOPLASMS, complications/ CAROTID ARTERY DISEASE chemically induced/ *CAROTID ARTERY DISEASES, etiology/ CAROTID ARTERY, INTERNAL/ CAROTID ARTERY, INTERNAL abnormalities/ CAROTID ARTERY, INTERNAL, radiography/ CEREBRAL ANEURYSM, complications/ CEREBRAL ANGIOGRAPHY/ CEREBRAL EMBOLISM A THROMBOSIS, complications/ CEREBROVASCULAR CIRCULATION/ CONTRACEPTIVES, ORAL, adverse effects/ HEAD INJURIES, complications/ HUMAN/ INFLAMMATION, complications/ NECK, injuries/ NEUROFIBROMATOSIS, complications/ RADIATION INJURIES, complications/ TUBERCULOSIS, MENINGEAL complications

2853. **Monard D, Solomon F, Rentsch M, et al:** Glia-induc

morphological differentiation in neuroblastoma cells.
Proc Natl Acad Sci USA 70:1894-7, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *CELL DIFFERENTIATION/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CLONE CELLS/ CULTURE MEDIA/ FETUS/ FIBROBLASTS/ HAMSTERS/ HEPATOMA/ HUMAN/ KIDNEY/ MICE/ MICROSCOPY, ELECTRON, SCANNING/ *NEUROBLASTOMA/ *NEUROGLIA/ POLYOMA VIRUS/ RATS/ SV40 VIRUS

4. **Monchy C de, Hoeven GM van der, Beneken JE:** Studies on innocent praecordial vibratory murmurs in children. 3. Follow-up study of children with an innocent praecordial vibratory murmur.
Br Heart J 35:685-90, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY HEIGHT/ BODY WEIGHT/ CAROTID ARTERIES/ CHILD/ CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/ FEMALE/ FOLLOW-UP STUDIES/ HEART, radiography/ *HEART AUSCULTATION/ HEART DISEASES, diagnosis/ HEART RATE/ HEART VENTRICLE, physiology/ HUMAN/ MALE/ PHONOCARDIOGRAPHY/ PUBERTY/ PULSE/ TIME FACTORS

5. **Moneta E, Garcea N, Cappa F, et al:** La menopausa precoce: ulteriore contributo casistico e presentazione di due casi con anomalie cromosomiche (XX-XO e XXq-.
Folia Endocrinol (Roma) 25:364-81, Oct 72 (Ita)
ADULT/ AGE FACTORS/ *CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ *MENOPAUSE/ MENSTRUATION DISORDERS, etiology/ MENSTRUATION DISORDERS, pathology/ OVARY, pathology/ SEX CHROMOSOME ABNORMALITIES, complications/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, pathology/ *SEX CHROMOSOMES/ TIME FACTORS

Monnickendam MA, Balls M: Amphibian organ culture.
Experientia 29:1-17, 1 May 73 (110 ref.)
*AMPHIBIA/ ANIMAL EXPERIMENTS/ BUFO/ CELL DIVISION/ CULTURE MEDIA/ EXTREMITIES/ FROGS/ GONADS/ HEART/ INTESTINES/ KIDNEY/ LARVA/ LENS, CRYSTALLINE/ LIVER/ LUNG/ METAMORPHOSIS, BIOLOGICAL/ METHODS/ *ORGAN CULTURE/ PANCREAS/ REGENERATION/ REVIEW/ SALAMANDERS/ SKIN/ SPLEEN/ TAIL/ XENOPUS

Montagner H, Henry E, Cardot N: Sur quelques variations du rythme circadien des 17-hydroxycorticostéroides urinaires chez les jeunes enfants en fonction de leur profil comportemental.
C R Acad Sci [D] (Paris) 277:101-4, 2 Jul 73 (Fre)
AGGRESSION/ *CHILD BEHAVIOR/ CHILD, PRESCHOOL/ *CIRCADIAN RHYTHM/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ SOCIAL DOMINANCE

Montague W, Howell SL: The mode of action of adenosine 3':5'-cyclic monophosphate in mammalian islets of Langerhans Effects of insulin secretagogues on islet-cell protein kinase activity.
Biochem J 134:321-7, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ARGININE, pharmacodynamics/ CAFFEINE, pharmacodynamics/ DIAZOXIDE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLIBENCLAMIDE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, enzymology/ ISLANDS OF LANGERHANS, secretion/ LEUCINE, pharmacodynamics/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ RATS/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TOLBUTAMIDE, pharmacodynamics/ XANTHINES, pharmacodynamics/ XYLITOL, pharmacodynamics

2859. **Montalvo JM, Wahner HW, Mayberry WE, et al:** Serum triiodothyronine, total thyroxine, and thyroxine to triiodothyronine ratios in paired maternal-cord sera and at one week and one month of age.
Pediatr Res 7:706-11, Aug 73
AGE FACTORS/ BLOOD/ ELECTROPHORESIS/ FEMALE/ FETUS, metabolism/ HUMAN/ *INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, blood/ UMBILICAL CORD

2860. **Monteleone JA, Danis RK, Tung KS, et al:** Differentiation of chronic lymphocytic thyroiditis and simple goiter in pediatrics.
J Pediatr 83:381-5, Sep 73
ANTIBODIES, analysis/ BIOPSY, NEEDLE/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FLUORESCENT ANTIBODY TECHNIC/ *GOITER, diagnosis/ GOITER, pathology/ HUMAN/ METHODS/ PROTEIN-BOUND IODINE TEST/ SERODIAGNOSIS/ THYROGLOBULIN/ *THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, pathology/ THYROXINE-BINDING PROTEIN, analysis

2861. **Monteleone PL, Monteleone JA, Rivard D, et al:** Elongated short arm of a G-group chromosome associated with similar phenotypic abnormalities in three patients.
J Pediatr 83:473-6, Sep 73
ADOLESCENCE/ CHILD/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ *CHROMOSOMES, HUMAN, 21-22/ DERMATOGLYPHICS/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, diagnosis/ MALE/ PHENOTYPE

2862. **Montgomery WW:** Ossifying cementoma (cementifying fibroma).
Trans Am Acad Ophthalmol Otolaryngol 76:1380-3, Sep-Oct 72
ADOLESCENCE/ CEMENTOMA, pathology/ ETHMOID SINUS/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MAXILLARY SINUS, radiography/ ODONTOGENIC TUMOR, complications/ *ODONTOGENIC TUMOR, pathology/ ODONTOGENIC TUMOR, radiography/ ODONTOGENIC TUMOR, surgery/ PARANASAL SINUS NEOPLASMS, complications/ *PARANASAL SINUS NEOPLASMS, pathology/ PARANASAL SINUS NEOPLASMS, radiography/ PARANASAL SINUS NEOPLASMS, surgery/ SPHENOID BONE/ SPHENOID SINUS

2863. **Montorsi W:** Le pancreatiti croniche.
Minerva Med 64:2059-76, 29 May 73 (Ita)
AUTOIMMUNE DISEASES, complications/ BILIARY TRACT DISEASES, complications/ CHOLANGIOGRAPHY/ CHRONIC DISEASE/ ENDOCRINE DISEASES, complications/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ INFECTION, complications/ LIVER DISEASES, complications/ LYMPHOGRAPHY/ NUTRITION DISORDERS, complications/ PANCREATITIS, diagnosis/ *PANCREATITIS, etiology/ PANCREATITIS, pathology/ PANCREATITIS, radiography/ PANCREATITIS, surgery/ PARASITIC DISEASES, complications/ POISONING, complications/ RADIOISOTOPE SCANNING/ SPLENOPORTOGRAPHY/ VASCULAR DISEASES, complications

2864. **Montz R, Hehrmann R, Langbein H, et al:** Osteopathy in hyperthyroidism--a study of 47 calcium kinetics and quantitative histology of bone.
Acta Endocrinol [Suppl] (Kbh) 173:146, 1973
BIOPSY/ *BONE AND BONES, metabolism/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/

DENSITOMETRY/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, metabolism/ ILIUM, metabolism/ INTESTINAL ABSORPTION/ INTESTINES, metabolism/ IODINE ISOTOPES

2865. **Moore RJ, Wilson JD:** The effect of androgenic hormones on the reduced nicotinamide adenine dinucleotide phosphate:delta-4-3-ketosteroid 5 alpha-oxidoreductase of rat ventral prostate.
Endocrinology 93:581-92, Sep 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANDROSTANES, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ HYPOPHYSECTOMY/ KETOSTEROIDS, pharmacodynamics/ MALE/ NADP/ ORGAN WEIGHT/ *OXIDOREDUCTASES, metabolism/ PARATHYROID GLANDS, physiology/ PITUITARY GLAND, physiology/ PREGNANES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROSTATE, drug effects/ *PROSTATE, enzymology/ RATS/ STANOLONE, pharmacodynamics/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ THYROXINE, blood/ TIME FACTORS/ TRITIUM

2866. **Moore RY:** Retinohypothalamic projection in mammals: a comparative study.
Brain Res 49:403-9, 30 Jan 73
ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ AXOPLASMIC FLOW/ HEDGEHOGS/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, metabolism/ LEUCINE, metabolism/ MACACA/ MONKEYS/ NEURAL INTERCONNECTIONS, anatomy & histology/ NEURAL INTERCONNECTIONS, metabolism/ OPOSSUMS/ PROLINE, metabolism/ *RETINA, anatomy & histology/ RETINA, metabolism/ SHREWS/ SPECIES SPECIFICITY/ TRITIUM

2867. **Moore WV, Wolff J:** Binding of prostaglandin E1 to beef thyroid membranes.
J Biol Chem 248:5705-11, 25 Aug 73
ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, pharmacodynamics/ BINDING SITES/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CATIONS, DIVALENT, pharmacodynamics/ CATIONS, MONOVALENT, pharmacodynamics/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ FATTY ACIDS, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MEMBRANES, drug effects/ MEMBRANES, metabolism/ NUCLEOTIDES, pharmacodynamics/ OSMOLAR CONCENTRATION/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TEMPERATURE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics/ TRITIUM

2868. **Morariu M, Böhm T:** Delayed dermal hypersensitivity to autologous lymphocytes in multiple sclerosis.
Neurology (Minneap) 23:808-11, Aug 73
CORTICOTROPIN, therapeutic use/ CORTISONE, therapeutic use/ HUMAN/ *HYPERSENSITIVITY, DELAYED/ INJECTIONS, INTRADERMAL/ *LYMPHOCYTES, immunology/ MULTIPLE SCLEROSIS, drug therapy/ *MULTIPLE SCLEROSIS, immunology/ REMISSION/ SKIN TESTS/ YEASTS

2869. **Morat M:** Effet morphogénétique des gonadotropines chorioniques et sériques (HCG et PMSG) sur les cellules de Leydig du testicule de porc en culture organotypique.
C R Acad Sci [D] (Paris) 276:3335-8, 18 Jun 73 **(Fre)**
CELLS, CULTURED/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOPHYSECTOMY/ *LEYDIG CELLS, drug effects/ SWINE

2870. **Moretti A, Arcari G:** Protection by nicergoline from th catecholamine-induced impairment of oxidative phosphorylation in the rat heart.
Farmaco [Sci] 27:800-7, Sep 72
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CATECHOLAMINES/ EPINEPHRINE/ ERGOLINES, metabolism/ *ERGOLINES, pharmacodynamics/ *HEART, drug effects/ MALE/ MITOCHONDRIA, metabolism/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE/ *OXIDATIVE PHOSPHORYLATION, drug effects/ RATS/ *VASODILATOR AGENTS, pharmacodynamics

2871. **Morgan DB:** The metacarpal bone: a comparison of th various indices for the assessment of the amount bone and for the detection of loss of bone.
Clin Radiol 24:77-82, Jan 73
ADULT/ AGED/ AGING/ ANTHROPOMETRY/ BONE AND BONES, analysis/ FEMALE/ HUMAN/ MALE/ MATHEMATICS/ METACARPUS, analysis/ *METACARPUS, radiography/ MIDDLE AGE/ *OSTEOPOROSIS radiography/ SEX FACTORS

2872. **Morgan FJ:** The nature of human chorionic gonadotrophin. Med J Aust 1:1254, 23 Jun 73
FEMALE/ GONADOTROPINS, CHORIONIC, biosynthesis/ *GONADOTROPINS, CHORIONIC physiology/ HUMAN/ PLACENTA, metabolism

2873. **Morgner KD, Krüskemper HL:** Suppression of th hypothalamic-pituitary-adrenal-axis with dexamethasone. Horm Metab Res 5:307, Jul 7
*ADRENAL GLANDS, drug effects/ BLOOD SUGAR, metabolism/ *DEXAMETHASONE, pharmacodynamics/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INSULIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2874. **Mori I, Ikeda T, Okawa T, et al:** [Female hormones an menopause]
Clin Endocrinol (Tokyo) 21:599-605, Jun 73 (35 ref. (Jap
CLIMACTERIC/ DEPRESSION, diagnosis/ DEPRESSION, etiology/ DIAGNOSIS, DIFFERENTIAL/ *ESTROGENS, secretion/ FEMALE/ HUMAN/ *MENOPAUSE/ MENTAL DISORDERS, etiology/ *PROGESTERONE, secretion/ PROGESTERONE, urine/ PSYCHOPHYSIOLOGIC DISORDERS, diagnosis REVIEW

2875. **Mori J, Hafez ES:** Release of LH by synthetic LH-RH i the monkey, Macaca fascicularis.
J Reprod Fertil 34:155-7, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ INJECTIONS, INTRAVENOUS/ LH, blood/ *LH, secretion/ *MACACA, physiology/ MALE MONKEYS/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY

2876. **Mori T:** [Mode of action of spasmogens (K, acetylcholine, Ba) and relaxants (isoproterenol papaverine, Mg) on the rat's excised jejunum especially in relation to Ca]
Folia Pharmacol Jap 69:1-17, Jan 73 (Jap
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ JEJUNUM, drug effects/ MAGNESIUM, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ POTASSIUM, pharmacodynamics/ RATS

2877. **Morikawa H:** [Biochemical and immunological properties of human placental lactogen (hPL: huma chorionic somatomammotropin, hCS). I. Extractio and purification of hPL (hCS)]
Folia Endocrinol Jap 49:882-93, 20 Jun 73 (Jap

CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ ELECTROPHORESIS, DISK/ ENGLISH ABSTRACT/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *PLACENTAL LACTOGEN, isolation & purification/ PREGNANCY/ SOMATOTROPIN

78. **Morikawa H:** [Biochemical and immunological properties of human placental lactogen (hPL, human chorionic somatomammotropin: hCS). 2. Biochemical properties of hPL (hCS)]
Folia Endocrinol Jap 49:1059-79, 20 Aug 73 **(Jap)**
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AMINOPEPTIDASES/ CHEMISTRY/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ GEL FILTRATION/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ MOLECULAR WEIGHT/ *PLACENTAL LACTOGEN/ PLACENTAL LACTOGEN, analysis/ PREGNANCY/ SPECTRUM ANALYSIS/ TRYPTOPHAN, analysis/ ULTRACENTRIFUGATION/ UREA

9. **Morikawa S, Kuma K:** [General anesthesia for thyroid operations--especially on respiratory complications, vago-vagal reflex and recurrent nerve paralysis]
Jap J Anesthesiol 22:375-82, Apr 73 **(Jap)**
ADOLESCENCE/ ADULT/ *ANESTHESIA, GENERAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *REFLEX/ *RESPIRATORY TRACT DISEASES, complications/ THYROID DISEASES, complications/ *THYROID DISEASES, surgery/ *VAGUS NERVE, physiology/ *VOCAL CORD PARALYSIS, complications

. **Morin LP:** Ovulatory and body weight response of the hamster to constant light or pinealectomy.
Neuroendocrinology 12:192-8, 1973
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ ESTRUS/ FEMALE/ HAMSTERS/ *LIGHT/ *OVULATION/ OVULATION, drug effects/ PHENOBARBITAL, pharmacodynamics/ *PINEAL BODY, physiology

. **Mornet P, Guivarch M, Marquand J, et al:** A propos de 30 cas de maladie de Crohn.
Sem Hop Paris 49:2189-98, 26 Jun 73 **(Fre)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ENGLISH ABSTRACT/ *ENTERITIS, REGIONAL/ ENTERITIS, REGIONAL, diagnosis/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, surgery/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ MYCOBACTERIUM BOVIS/ POSTOPERATIVE COMPLICATIONS/ RECURRENCE/ VACCINE THERAPY

Morris HB VINIK AI, Baillie P, Mulvihal M: Human chorionic somatomammotropin (HCS) normal pregnancy. Effects of race and parity.
S Afr Med J 47:1297-9, 28 Jul 73
ALCOHOL, ETHYL/ FEMALE/ HUMAN/ NEGROID RACE/ *PARITY/ *PLACENTAL LACTOGEN, blood/ PRECIPITATION/ *PREGNANCY/ PREGNANCY, MULTIPLE/ *RACIAL STOCKS/ RADIOIMMUNOASSAY/ SOUTH AFRICA/ TIME FACTORS/ TWINS

Morrison GW, Farebrother MJ: Overdose of salbutamol.
Lancet 2:681, 22 Sep 73
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENERGIC BETA RECEPTOR AGONISTS, poisoning/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ADULT/ ANEMIA, HYPOCHROMIC, chemically induced/ ASTHMA, drug therapy/ *BRONCHODILATOR AGENTS, poisoning/ BRONCHODILATOR AGENTS, therapeutic use/ BUTYLAMINES, poisoning/ BUTYLAMINES, therapeutic use/ *ETHANOLAMINES, poisoning/ ETHANOLAMINES, therapeutic use/ FEMALE/ HUMAN/ *PHENETHYLAMINES, poisoning/ PHENETHYLAMINES, therapeutic use/ POISONING, drug therapy/ PREDNISOLONE, therapeutic use

2884. **Morrison JC, Boyd M, Friedman BI, et al:** The effects of Renografin-60 on the fetal thyroid.
Obstet Gynecol 42:99-103, Jul 73
AMNIOTIC FLUID/ BIRTH WEIGHT/ DELIVERY/ DIATRIZOATE, administration & dosage/ *DIATRIZOATE, adverse effects/ FEMALE/ *FETAL DISEASES, chemically induced/ *GOITER, chemically induced/ HUMAN/ *HYSTEROSALPINGOGRAPHY, adverse effects/ INFANT, NEWBORN/ INJECTIONS/ IODINE, analysis/ PARITY/ PREGNANCY/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

2885. **Morrison WR:** Long-chain bases in the sphingolipids of bovine milk and kidney, rumen bacteria, rumen protozoa, hay and concentrate.
Biochim Biophys Acta 316:98-107, 19 Jul 73
ANIMAL EXPERIMENTS/ *ANIMAL FEED, analysis/ ANIMAL NUTRITION/ BACTERIA, metabolism/ CATTLE/ CEREBROSIDES, analysis/ FATTY ACIDS, metabolism/ FATTY ALCOHOLS, analysis/ *FATTY ALCOHOLS, metabolism/ FEMALE/ *KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism/ LACTATION/ LIPIDS, metabolism/ *MILK, metabolism/ PHOSPHOLIPIDS, metabolism/ PROTOZOA, metabolism/ *RUMEN, microbiology/ SPHINGOLIPIDS, analysis/ *SPHINGOLIPIDS, metabolism/ SPHINGOMYELINS, metabolism/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP

2886. **Morrissette Y:** La paralysie faciale.
Vie Med Can Fr 2:534-40, Jun 73 **(Fre)**
CORTISONE, therapeutic use/ ELECTRODIAGNOSIS/ FACIAL NERVE, anatomy & histology/ FACIAL NERVE, physiology/ *FACIAL PARALYSIS/ FACIAL PARALYSIS, diagnosis/ FACIAL PARALYSIS, drug therapy/ FACIAL PARALYSIS, etiology/ FACIAL PARALYSIS, surgery/ PROGNOSIS/ VASODILATOR AGENTS, therapeutic use

2887. **Morse HC, Heller CG:** Improvements in technique for the histochemical demonstration of 3-beta and 17-beta hydroxysteroid dehydrogenase in human testis.
Histochemie 35:331-9, 29 Jun 73
CYANIDES/ DIMETHYL SULFOXIDE/ FORMAMIDE/ HISTOCYTOCHEMISTRY/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ MALE/ METHODS/ POLYVINYLPYRROLIDONE/ POTASSIUM/ *TESTIS, enzymology/ TETRAZOLIUM SALTS

2888. **Morsier G de:** Un cas d'acromégalie post-traumatique.
Ann Med Interne (Paris) 123:1025-8, Dec 72 **(Fre)**
*ACROMEGALY, etiology/ ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EPILEPSY, TRAUMATIC, etiology/ FROEHLICH'S SYNDROME, etiology/ *HEAD INJURIES, complications/ HUMAN/ MALE/ PITUITARY NEOPLASMS, diagnosis/ POLYURIA, etiology

2889. **Mortensen E, Sylvest J:** Diabetes insipidus behandlet med karbamezapin.
Ugeskr Laeger 135:704-5, 26 Mar 73 **(Dan)**
CARBAMAZEPINE, adverse effects/ CARBAMAZEPINE, pharmacodynamics/ *CARBAMAZEPINE, therapeutic use/ DEPRESSION, CHEMICAL/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION

2890. **Morton JJ:** The measurement of arginine vasopressin in human plasma by radioimmunoassay.
Clin Sci 45:5P, Jul 73
BRONCHIAL NEOPLASMS, blood/ CARCINOMA, OAT CELL, blood/ DIABETES INSIPIDUS, blood/ HUMAN/ HYPONATREMIA, blood/ IODINE ISOTOPES/ RADIOIMMUNOASSAY/ *VASOPRESSIN, blood/ WATER, metabolism/ WATER DEPRIVATION

2891. **Moscarello MA, Gagnon J, Wood DD, et al:** Conformational flexibility of a myelin protein. Biochemistry 12:3402-6, 28 Aug 73
ACETIC ACIDS/ CENTRAL NERVOUS SYSTEM, analysis/ CHROMATOGRAPHY/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEAT/ HUMAN/ IODINE/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ *MYELIN SHEATH, analysis/ MYELIN SHEATH, physiology/ *NERVE TISSUE PROTEINS, isolation & purification/ OPTICAL ROTATORY DISPERSION/ OSMOLAR CONCENTRATION/ PHENOLS/ *PHOSPHOLIPIDS, analysis/ PROTEIN CONFORMATION/ SOLUBILITY/ SPECTROPHOTOMETRY, INFRARED/ ULTRACENTRIFUGATION/ UREA/ WATER

2892. **Moseley C, Nollen PM:** Autoradiographic studies on the reproductive system of Philophthalmus hegeneri Penner and Fried, 1963. J Parasitol 59:650-4, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHICKENS/ FEMALE/ GENITALIA, cytology/ INSEMINATION/ MALE/ OVARY, cytology/ OVUM, cytology/ REPRODUCTION/ SNAILS/ SPERMATOGENESIS/ TESTIS, cytology/ THYMIDINE, metabolism/ *TREMATODA, cytology/ TREMATODA, metabolism/ TREMATODA, physiology/ TRITIUM/ TYROSINE, metabolism

2893. **Moser RH:** Ruminations of a middle-aged hepatitis watcher. Hawaii Med J 32:153-60, May-Jun 73
AUSTRALIA ANTIGEN/ BLOOD TRANSFUSION, adverse effects/ GAMMA GLOBULIN, therapeutic use/ HEPATITIS, HOMOLOGOUS SERUM, etiology/ *HEPATITIS, INFECTIOUS/ HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ PREDNISONE, therapeutic use

2894. **Moss AA, Goldberg HI:** Intestinal pseudo-obstruction. CRC Crit Rev Radiol Sci 3:363-87, 1972 (87 ref.)
ADOLESCENCE/ ADULT/ AMYLOIDOSIS, complications/ ANTIPARKINSON DRUGS, adverse effects/ AUTONOMIC DYSFUNCTION, complications/ CATHARTICS, adverse effects/ COLITIS, ULCERATIVE, radiography/ COLON, innervation/ COLONIC DISEASES, FUNCTIONAL, etiology/ *COLONIC DISEASES, FUNCTIONAL, radiography/ ENTERITIS, REGIONAL, radiography/ FEMALE/ GANGLIONIC BLOCKADERS, adverse effects/ HUMAN/ HYPOKALEMIA, complications/ INTESTINAL OBSTRUCTION, etiology/ *INTESTINAL OBSTRUCTION, radiography/ KIDNEY FAILURE, CHRONIC, complications/ LEAD POISONING, complications/ MALE/ MYOTONIA ATROPHICA, complications/ MYXEDEMA, complications/ PARALYTIC ILEUS, radiography/ PARASYMPATHOLYTICS, adverse effects/ REVIEW/ SCLERODERMA, SYSTEMIC, complications/ SYMPATHETIC NERVOUS SYSTEM, physiopathology/ SYNDROME/ TRYPANOSOMIASIS, SOUTH AMERICAN, complications

2895. **Moss MS:** Uses and misuses of anti-inflammatory drus in racehorses. II. Equine Vet J 4:69-72, 5 Apr 72
ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ ANTI-INFLAMMATORY AGENTS, metabolism/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ DEXAMETHASONE, metabolism/ DEXAMETHASONE, urine/ *DRUG ABUSE/ *HORSE DISEASES, drug therapy/ HORSES/ MOVEMENT DISORDERS, drug therapy/ *MOVEMENT DISORDERS, veterinary/ PHENYLBUTAZONE, administration & dosage/ PHENYLBUTAZONE, blood/ PHENYLBUTAZONE, metabolism/ PHENYLBUTAZONE, urine/ PREDNISOLONE, metabolism/ PREDNISOLONE, urine/ SALICYLATES, administration & dosage/ SALICYLATES, metabolism/ SALICYLATES, urine/ TRITIUM

2896. **Moszkowski EF:** Postpartum pituitary insufficien report of five unusual cases with long-term follow-u South Med J 66:878-82, Aug 73
ADULT/ AGE FACTORS/ AMENORRHEA, diagnosis/ BODY WEIGHT/ FEMALE/ FOLLOW-UP STUDIES/ HEMORRHAGE, POSTPARTUM, complications/ HUMAN/ *HYPOPITUITARISM/ LACTATION DISORDERS, diagnosis/ LIBIDO/ PREGNANCY/ *PUERPERAL DISORDERS/ SEX FACTORS/ SHEEHAN'S SYNDROME, etiology/ THYROID GLAND FUNCTION TESTS

2897. **Motlík K, Pinsker P, Stárka L, et al:** Effects aminoglutethimide (Elipten Ciba), a steroid biosynthesis blocking agent, on adrenal glands Cushing's syndrome.
Virchows Arch [Pathol Anat] 360:11-26, 1973
ACID PHOSPHATASE, analysis/ ADOLESCENCE/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, drug effects ADRENAL GLANDS, enzymology/ ADULT/ *AMINOGLUTETHIMIDE, pharmacodynamics/ AMINOGLUTETHIMIDE, therapeutic use/ CHOLESTEROL, analysis/ *CUSHING'S SYNDROME, drug therapy/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ ORGAN WEIGHT/ OXIDOREDUCTASES, analysis/ TIME FACTORS

2898. **Motsay GJ:** Pharmacologic response of the pulmona microcirculation in endotoxin-shocked dogs. Rev Surg 30:296-7, Jul-Aug 73
ANIMAL EXPERIMENTS/ DOGS/ *METHYLPREDNISOLONE, therapeutic use/ MICROCIRCULATION/ PHENOXYBENZAMINE, therapeutic use/ *PULMONARY CIRCULATION, drug effects/ *SHOCK, ENDOTOXIC, drug therapy

2899. **Mott GE, Moore RW, Redmond HE, et al:** Lowering serum cholesterol by intestinal bacteria in cholesterol-fed piglets. Lipids 8:428-31, Jul 73
AEROBIOSIS/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BILE ACIDS AND SALTS, metabolism/ *CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ CHOLESTEROL, pharmacodynamics/ *CHOLESTEROL, DIETARY/ CHOLIC ACID, metabolism/ DEOXYCHOLIC ACID, metabolism/ FECES, analysis/ FECES, microbiology/ FEMALE/ GERM-FREE LIFE/ HYSTERECTOMY/ *INTESTINES, microbiology/ LACTOBACILLU ACIDOPHILUS/ PREGNANCY/ STEROIDS, metabolism/ SWINE

2900. **Moukhtar MS, Jullienne A, Tharaud D, et al:** Extractio et concentration de la calcitonine plasmatique humaine par des anticorps couplés sur support solid C R Acad Sci [D] (Paris) 276:3445-8, 25 Jun 73 (Fre
ANTIBODIES/ CHROMATOGRAPHY/ HUMAN/ IMMUNOGLOBULINS/ METHODS/ RADIOIMMUNOASSAY/ *THYROCALCITONIN blood/ THYROCALCITONIN, isolation & purification

2901. **Moulaert AJ, Van Gemund JJ:** Elimination of sever height growth suppression caused by treatment wit betamethasone after switching to ACTH-depot i chronic bronchial asthma.
Helv Paediatr Acta 27:55-62, Apr 72
*ASTHMA, drug therapy/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, adverse effects/ BETAMETHASONE, therapeutic use/ *BODY WEIGHT/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, therapeutic use/ DELAYED-ACTION PREPARATIONS/ FEMALE/ *GROWTH DISORDERS, chemically induced/ GROWTH DISORDERS, prevention & control/ HUMAN/ HYDROXYPROLINE, urine/ INSULIN, diagnostic use/ SOMATOTROPIN, secretion

2902. **Mounger EJ:** Hypertension resulting from ligation o segmental renal vessels. Invest Urol 11:121-4, Sep 7
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/

DOGS/ FEMALE/ *HYPERTENSION, etiology/ *INFARCTION/ INFARCTION, physiopathology/ *KIDNEY, blood supply/ KIDNEY DISEASES, etiology/ KIDNEY FUNCTION TESTS/ LIGATION/ RENAL ARTERY, physiology/ RENAL VEINS, physiology/ RENIN, blood/ TIME FACTORS

03. **Moutier R, Toyama K, Charrier MF:** Evidence for linkage between four esterase loci in the rat (Rattus norvegicus). Biochem Genet 9:109-15, Jun 73
ALLELES/ ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ CELLULOSE/ ELECTROPHORESIS/ EPIDIDYMIS, enzymology/ *ESTERASES, analysis/ ESTERASES, blood/ FEMALE/ GENES, RECESSIVE/ HYBRIDIZATION/ LINKAGE (GENETICS)/ LIVER, enzymology/ LUNG, enzymology/ MALE/ ORGAN SPECIFICITY/ *POLYMORPHISM (GENETICS)/ PROSTATE, enzymology/ RATS/ RATS, INBRED STRAINS/ TESTIS, enzymology

04. **Mozherenkov DP, Mitkokh VI:** Znachenie odnomernoĭ ékhografii v diagnostike orbital'nykh ob'emnykh protsessov. Nov Med Priborostr 1:28-31, 1972 (Rus)
*EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, etiology/ *EYE FOREIGN BODIES, diagnosis/ HUMAN/ *ORBIT/ ORBITAL NEOPLASMS, complications/ *ORBITAL NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

05. **Mroczek WJ, Finnerty FA, Catt KJ:** Lack of association between plasma-renin and history of heart-attack or stroke in patients with essential hypertension. Lancet 2:464-8, 1 Sep 73
ADULT/ AGED/ ANGIOTENSIN, blood/ *CEREBROVASCULAR DISORDERS, complications/ CREATININE, urine/ FEMALE/ HUMAN/ *HYPERTENSION, complications/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, complications/ NEGROID RACE/ POTASSIUM, urine/ RADIOIMMUNOASSAY/ *RENIN, blood/ RETROSPECTIVE STUDIES/ SODIUM, urine

Mršulja BB: The influence of antistine on glycogenolytic effect of some biogenic amines in rat brain slices. Experientia 29:76-7, 1 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIHISTAMINICS, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ *BIOGENIC AMINES, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, metabolism/ BUTYRATES, pharmacodynamics/ CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DOPAMINE, pharmacodynamics/ *GLYCOGEN, metabolism/ HISTAMINE, pharmacodynamics/ *IMIDAZOLES, pharmacodynamics/ IN VITRO/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ THALAMUS, drug effects/ THALAMUS, metabolism

Mršulja BB: The influence of some biogenic amines and cyclic
N-2-O-dibutyryl-adenosine-3',5'-monophosphate on glycogen content in rat brain slices.
Experientia 28:1067, 15 Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ BUTYRATES, pharmacodynamics/ CAUDATE NUCLEUS, analysis/ CEREBRAL CORTEX, analysis/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *GLYCOGEN, analysis/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ THALAMUS, analysis

2908. **Mršulja BB:** The influence of propranolol and dibenzyline on glycogenolytic effects of some biogenic amines in rat brain slices.
Experientia 28:1072-3, 15 Sep 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, antagonists & inhibitors/ BIOGENIC AMINES, pharmacodynamics/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CAUDATE NUCLEUS, analysis/ CEREBRAL CORTEX, analysis/ DOPAMINE, antagonists & inhibitors/ DOPAMINE, pharmacodynamics/ *GLYCOGEN, analysis/ GLYCOGEN, metabolism/ HISTAMINE, pharmacodynamics/ IN VITRO/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ *PHENOXYBENZAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ THALAMUS, analysis

2909. **Mueller WJ, Brubaker RL, Gay CV, et al:** Mechanisms of bone resorption in laying hens.
Fed Proc 32:1951-4, Sep 73
ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ *BONE AND BONES, metabolism/ *BONE RESORPTION/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHICKENS, metabolism/ *CHICKENS, physiology/ CITRATES, metabolism/ FEMALE/ FEMUR, blood supply/ FEMUR, metabolism/ LACTATES, metabolism/ METATARSUS, blood supply/ OXYGEN CONSUMPTION/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, blood/ REGIONAL BLOOD FLOW/ STRONTIUM, metabolism/ STRONTIUM ISOTOPES/ TIBIA, blood supply

2910. **Mugford RA:** Intermale fighting affected by home-cage odors of male and female mice.
J Comp Physiol Psychol 84:289-95, Aug 73
*AGGRESSION/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ EXOCRINE GLANDS, physiology/ FEMALE/ *HOME RANGE/ *HOUSING, ANIMAL/ INHIBITION (PSYCHOLOGY)/ MALE/ MICE/ ODORS/ PENIS, physiology/ *PHEROMONES, urine/ PROPIONATES/ SEX FACTORS/ SMELL/ SOCIAL BEHAVIOR/ TESTOSTERONE, pharmacodynamics

2911. **Mühlen A von zur, Junge U, Hesch RD, et al:** The release of TSH from organ cultures of human fetal pituitary glands. Acta Endocrinol [Suppl] (Kbh) 173:13, 1973
FETUS/ GESTATIONAL AGE/ HUMAN/ ORGAN CULTURE/ *PITUITARY GLAND, secretion/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

2912. **Mühlen A von zur, Köbberling J, Halves E, et al:** The application of synthetic LRF and TRF in a combined function test in patients with pituitary tumors.
Acta Endocrinol [Suppl] (Kbh) 173:94, 1973
ACROMEGALY, diagnosis/ ADENOMA, CHROMOPHOBE, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MALE/ PITUITARY GLAND FUNCTION TESTS/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ *PITUITARY NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use

2913. **Mühlen A von zur, Köbberling J:** Effect of testosterone on the LH and FSH release induced by LH-releasing factor (LRF) in normal men.
Horm Metab Res 5:266-70, Jul 73
ADULT/ ANTIGEN-ANTIBODY REACTIONS/ CHROMATOGRAPHY, AFFINITY/ CROSS REACTIONS/ FEEDBACK/ FSH, blood/ *FSH, secretion/ HUMAN/ LH, blood/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE

RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2914. **Mühlen K aus der:** Blutdruckwirkung von Noradrenalin und Orciprenalin bei erhöhten extrazellulären Wasserstoff und Calciumionenkonzentrationen.
Arch Int Pharmacodyn Ther 203:164-74, May 73 **(Ger)**
ACID-BASE EQUILIBRIUM/ *ACIDOSIS/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CALCIUM, blood/ CELL MEMBRANE PERMEABILITY/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *HYPERCALCEMIA/ MALE/ MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ *ORCIPRENALINE, pharmacodynamics/ RATS

2915. **Mühlen K aus der, Ockenfels H:** Beeinflussung zentraler Regulationszentren durch Verabreichung von ACTH, Metopiron oder Cortison.
Gegenbaurs Morphol Jahrb 119:275-87, 1973 **(Ger)**
ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, physiology/ CORTISONE, administration & dosage/ *CORTISONE, physiology/ DIENCEPHALON, physiology/ ENGLISH ABSTRACT/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ MALE/ MESENCEPHALON, physiology/ METYRAPONE, administration & dosage/ *METYRAPONE, pharmacodynamics/ PITUITARY GLAND, physiology/ PONS, physiology/ RATS/ SPECIES SPECIFICITY/ THALAMIC NUCLEI, physiology

2916. **Muirhead EE, Germain GS, Leach BE, et al:** Renomedullary interstitial cells (RIC), prostaglandins (PG) and the antihypertensive function of the kidney.
Prostaglandins 3:581-94, May 73 (30 ref.)
ANGIOTENSIN/ ANIMAL EXPERIMENTS/ ARTERIES/ *BLOOD PRESSURE, drug effects/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ DEPRESSION, CHEMICAL/ HYPERTENSION, chemically induced/ *HYPERTENSION, physiopathology/ IN VITRO/ *KIDNEY, physiology/ KIDNEY, physiopathology/ KIDNEY MEDULLA, analysis/ KIDNEY MEDULLA, cytology/ KIDNEY MEDULLA, physiology/ KIDNEY MEDULLA, transplantation/ LIPIDS, analysis/ LIPOPROTEINS, analysis/ MICROSCOPY, ELECTRON/ PLETHYSMOGRAPHY/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ REVIEW/ TISSUE CULTURE/ TRANSPLANTATION, HOMOLOGOUS

2917. **Müller D, Roeder F, Orthner H:** Further results of stereotaxis in the human hypothalamus in sexual deviations. First use of this operation in addiction to drugs. Neurochirurgia (Stuttg) 16:113-26, Jul 73
ADULT/ *ALCOHOLISM, surgery/ *DRUG ADDICTION, surgery/ GONADOTROPINS, urine/ HOMOSEXUALITY, surgery/ HUMAN/ HYPOTHALAMUS, surgery/ MALE/ METHODS/ *SEX DEVIATION, surgery/ *STEREOTAXIC TECHNICS/ STEROIDS, urine/ TIME FACTORS

2918. **Müller E, Pevny I, Metz G:** Allergie gegenüber Carboxymethylcellulose, Bestandteil einer Steroidkristallsuspension.
Hautarzt 24:317-8, Jul 73 **(Ger)**
ADULT/ CERAMICS/ COSMETICS/ *DRUG HYPERSENSITIVITY/ DRUG INDUSTRY/ FOOD PRESERVATION/ HUMAN/ HYPERSENSITIVITY, IMMEDIATE, etiology/ INJECTIONS, INTRADERMAL/ MALE/ METHYLCELLULOSE, administration & dosage/ *METHYLCELLULOSE, adverse effects/ SKIN TESTS/ SUSPENSIONS/ TRIAMCINOLONE ACETONIDE, administration & dosage/ *URTICARIA, chemically induced

2919. **Müller EE, Panerai A, Cocchi D, et al:** Centr glucoprivation: some physiological effects induced the intraventricular administration of 2-deoxy-d-glucose. Experientia 29:874-6, 1973
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *BODY TEMPERATURE, drug effects/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ *GLYCOLYSI drug effects/ HYPOGLYCEMIA, chemically induced/ HYPOTHALAMUS, drug effects/ *INSULIN, blood/ RATS

2920. **Müller H:** Zur Arbeit K.P. Faerber. I. Grobbe-Heitmeyer: Rachitisentstehung und Luftverunreinigungen (Off. Gesunch.-Wesen 34 (1972), 521.
Oeff Gesundheitswes 35:192-3, Mar 73 **(Ge**
*AIR POLLUTION/ COSMIC RADIATION/ HUMAN/ *RICKETS, etiology

2921. **Müller OA, Pister W, Schwandt P, et al:** Biologic ACTH activity of lipid mobilizing peptide fractio from hog pituitaries. Horm Metab Res 5:58-61, Jul
ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ *CORTICOTROPIN, analysis/ CORTICOTROPI pharmacodynamics/ FATTY ACIDS, metabolism/ FATTY ACIDS, NONESTERIFIE blood/ FEMALE/ FLUORESCENCE SPECTROMETRY/ GEL FILTRATION/ HYPOPHYSECTOMY/ *LIPID MOBILIZATION drug effects/ MALE/ PEPTIDES, analysis/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, physiology/ RABBITS/ RATS/ SWIN

2922. **Muller SA:** Alopecia: syndromes of genetic significance.
J Invest Dermatol 60:475-92, Jun 73 (134 ref
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ ALOPECIA, classification/ ALOPECIA, congenital/ ALOPECIA, etiology/ *ALOPECIA familial & genetic/ ALOPECIA, occurrence/ ALOPECIA, pathology/ ALOPECIA AREATA, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS ECTODERMAL DEFECT, CONGENITAL, familial & genetic/ FEMALE/ GENES, RECESSIVE/ HAIR, abnormalities/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ REVIEW/ SCALP, abnormalities/ SEX CHROMOSOMES/ SYNDROME

2923. **Muller SA:** Hirsutism: a review of the genetic a experimental aspects.
J Invest Dermatol 60:457-74, Jun 73 (150 ref
ACROMEGALY, complications/ ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, complications/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, complications/ DE LANGE'S SYNDROME, complications/ FEMALE/ GIGANTISM, complications/ HAIR, growth & development/ HERMAPHRODITISM, complications/ *HIRSUTISM/ HIRSUTISM, classification/ HIRSUTISM, etiology/ HIRSUTISM, familial & genetic/ HUMAN/ HYPERTRICHOSIS, familia & genetic/ LIPODYSTROPHY, complications/ MALE/ MENOPAUSE/ MIDDLE AGE/ NEVU complications/ PITUITARY DISEASES, complications/ PREGNANCY/ PUBERTY, PRECOCIOUS/ RACIAL STOCKS/ REVIEW/ SKIN, metabolism/ TESTOSTERONE, metabolism

2924. **Müller WA:** Autoradiographische Untersuchunge über die synthetische Aktivität neurosektrotorisch Zellen im Gehirn von Platynereis dumerilii währe der sexuellen Entwicklung und Regeneration.
Z Zellforsch Mikrosk Anat 139:487-510, 7 Jun 73 (Ge
ANIMAL EXPERIMENTS/ *ANNELIDA, anatomy & histology/ AUTORADIOGRAPHY/ *BRAIN, cytology/ CYSTINE/ ENGLISH ABSTRACT/ FEMALE/ JUVENILE HORMONES, secretion/ MALE/ NEURONS/ *NEUROSECRETORY SYSTEMS, cytology/

OVUM, growth & development/ REGENERATION/ REPRODUCTION/ TRITIUM

2925. **Müllerová M, Nouza K, Trnka L:** Immunosuppression and experimental tuberculosis. I. The effects of immunosuppressive agents, antilymphocyte serum and antimacrophage serum on the survival of animals with subacute experimental tuberculosis.
Biomedicine [Express] 19:87-9, 20 Mar 73
ANIMAL EXPERIMENTS ANTILYMPHOCYTE SERUM, pharmacodynamics/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, pharmacodynamics/ AZAURIDINE, administration & dosage/ AZAURIDINE, pharmacodynamics/ CHLORAMPHENICOL, administration & dosage/ CHLORAMPHENICOL, pharmacodynamics/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, pharmacodynamics/ FEMALE/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ METHOTREXATE, administration & dosage/ METHOTREXATE, pharmacodynamics/ MICE/ TIME FACTORS/ *TUBERCULOSIS, immunology

Munday KA, Parsons BJ, Poat JA, et al: The effect of divalent cations on angiotensin stimulation of fluid transport by rat colon.
J Physiol (Lond) 232:89P-91P, Jul 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CATIONS, DIVALENT, pharmacodynamics/ *COLON, drug effects/ RATS/ STIMULATION, CHEMICAL

Munro RE, Lamki L, Row VV, et al: Cell-mediated immunity in the exophthalmos of Graves' disease as demonstrated by the migration inhibition factor (MIF) test. J Clin Endocrinol Metab 37:286-92, Aug 73
ANTIGENS/ CELL MIGRATION INHIBITION/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ HYPERTHYROIDISM, immunology/ *IMMUNITY, CELLULAR/ IODINE ISOTOPES, DIAGNOSTIC/ MUSCLES, immunology/ THYROID GLAND, immunology/ THYROTROPIN

Munshi SR, Purandare TV, Rao SS: Effect of antiserum to ovine luteinizing hormone on uterine cell division during early pregnancy in mice.
J Endocrinol 58:123-4, Jul 73
ANIMAL EXPERIMENTS/ *CELL DIVISION, drug effects/ CORPUS LUTEUM, metabolism/ FEMALE/ *IMMUNE SERUMS, pharmacodynamics/ *LH/ MICE/ PREGNANCY/ PROGESTERONE, metabolism/ SHEEP/ UTERUS, cytology/ *UTERUS, drug effects

Munster AM, Leary AG, Baird B: A simple trauma model in the rat. J Trauma 13:827-8, Sep 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CORTICOSTERONE, blood/ *DISEASE MODELS, ANIMAL/ POTASSIUM, blood/ PSEUDOMONAS AERUGINOSA/ RATS/ *SHOCK, TRAUMATIC/ TIME FACTORS/ WOUND INFECTION

Munt PW: Middle lobe atelectasis in sarcoidosis. Report of a case with prompt resolution concomitant with corticosteroid administration.
Am Rev Respir Dis 108:357-60, Aug 73
ADULT/ AIRWAY OBSTRUCTION, complications/ ATELECTASIS, drug therapy/ *ATELECTASIS, etiology/ ATELECTASIS, radiography/ FEMALE/ HUMAN/ LYMPHATIC DISEASES, complications/ LYMPHATIC DISEASES, radiography/ *PREDNISONE, therapeutic use/ RESPIRATORY FUNCTION TESTS/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ TIME FACTORS/ TOMOGRAPHY, RADIOGRAPHIC

2931. **Murphy DJ:** Cerebrovascular permeability after meglumine iothalamate administration.
Neurology (Minneap) 23:926-36, Sep 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ *BLOOD-BRAIN BARRIER, drug effects/ *CAPILLARY PERMEABILITY, drug effects/ CEREBRAL ARTERIES, drug effects/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INTERCELLULAR JUNCTIONS, drug effects/ *IOTHALAMIC ACID, administration & dosage/ IOTHALAMIC ACID, pharmacodynamics/ IOTHALAMIC ACID, toxicity/ MICROSCOPY, ELECTRON/ MITOCHONDRIAL SWELLING/ MYELIN SHEATH/ RABBITS/ STAINS AND STAINING/ TRYPAN BLUE

2932. **Murphy DL, Donnelly C, Moskowitz J:** Inhibition by lithium of prostaglandin E1 and norepinephrine effects on cyclic adenosine monophosphate production in human platelets.
Clin Pharmacol Ther 14:810-4, Sep-Oct 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ DEPRESSION, CHEMICAL/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ *LITHIUM, pharmacodynamics/ *NOREPINEPHRINE, antagonists & inhibitors/ *PROSTAGLANDINS, antagonists & inhibitors/ TRITIUM

2933. **Murphy FA, Harrison AK, Winn WC, et al:** Comparative pathogenesis of rabies and rabies-like viruses: infection of the central nervous system and centrifugal spread of virus to peripheral tissues.
Lab Invest 29:1-16, Jul 73
ADRENAL MEDULLA, pathology/ ANIMAL EXPERIMENTS/ BRAIN, pathology/ *CENTRAL NERVOUS SYSTEM, pathology/ CEREBELLUM, pathology/ CEREBRAL CORTEX, pathology/ CHIROPTERA/ CORNEA, pathology/ EPENDYMA, pathology/ EPITHELIUM, pathology/ FLUORESCENT ANTIBODY TECHNIC/ GANGLIA, pathology/ HAIR/ HAMSTERS/ HINDLIMB/ MICROSCOPY, ELECTRON/ MYOCARDIUM, pathology/ NERVE ENDINGS, pathology/ NEURONS, pathology/ OLFACTORY BULB, pathology/ RABIES, pathology/ *RABIES VIRUS, pathogenicity/ RETINA, pathology/ SPINAL CORD, pathology/ TIME FACTORS

2934. **Murphy G, Walker DG:** Enzyme synthesis and adaptation of hepatic "malic" enzyme.
Biochem J 130:76P-77P, Nov 72
ALLOXAN DIABETES, enzymology/ ANIMAL EXPERIMENTS/ *LIVER, enzymology/ LIVER, growth & development/ *MALATE DEHYDROGENASE, biosynthesis/ RATS/ STARVATION, enzymology/ THYROXINE, pharmacodynamics/ WEANING

2935. **Murphy JF, Wade-Evans T:** Drug resistant choriocarcinoma presenting with hepatomegaly.
J Ir Med Assoc 66:350-3, 7 Jul 73
ADULT/ AUTOPSY/ *CHORIOCARCINOMA, complications/ CITROVORUM FACTOR, therapeutic use/ DRUG RESISTANCE/ FEMALE/ HEMOPERITONEUM, etiology/ *HEPATOMEGALY, complications/ HEPATOMEGALY, diagnosis/ HUMAN/ LIVER CIRCULATION/ *LIVER NEOPLASMS, complications/ METHOTREXATE, therapeutic use/ RADIOISOTOPE SCANNING

2936. **Murskikh AP:** Vliianie dimetilsul'foksida i ego kombinatsiĭ s drugimi protektorami na uroven' sul'fgidril'nykh grupp v selezenke mysheĭ.
Radiobiologiia 13:298-300, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ CYSTAMINE, pharmacodynamics/ *DIMETHYL SULFOXIDE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MICE/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ SEROTONIN,

pharmacodynamics/ SPLEEN, drug effects/ *SPLEEN, metabolism/ *SULFHYDRYL COMPOUNDS, metabolism

2937. **Murthy MS**: Granulomatous mastitis and lipogranuloma of the breast. Am J Clin Pathol 60:432-3, Sep 73
CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ GRANULOMA, chemically induced/ *GRANULOMA, pathology/ HUMAN/ MASTITIS, chemically induced/ *MASTITIS, pathology/ PREGNANCY

2938. **Musaev IaM, Mednikov EIa**: Redkii sluchai khorionepiteliomy platsenty pri beremennosti. Akush Ginekol (Mosk) 48:69, Oct 72 (Rus)
ADULT/ CASE REPORT/ *CHORIOCARCINOMA, diagnosis/ FEMALE/ HUMAN/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis

2939. **Mushahwar IK, Koeppe RE**: Free amino acids of testes. Concentrations of free amino acids in the testes of several species and the precursors of glutamate and glutamine in rat testes in vivo.
Biochem J 132:353-9, Mar 73
ACETATES, metabolism/ ALCOHOL, ETHYL, metabolism/ AMINO ACIDS, blood/ *AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ CATS/ CHICKENS/ FROGS/ GERBILS/ GLUCOSE, metabolism/ GLUTAMATES, metabolism/ GUINEA PIGS/ HAMSTERS/ INSULIN, pharmacodynamics/ LACTATES, metabolism/ MALE/ ORGAN SPECIFICITY/ RABBITS/ RATS/ SPECIES SPECIFICITY/ TESTIS, drug effects/ *TESTIS, metabolism/ TIME FACTORS

2940. **Myles AB, Daly JR**: Adrenal failure in bronchial asthma. Br Med J 3:294, 4 Aug 73
*ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL GLAND DISEASES, chemically induced/ *ASTHMA, drug therapy/ BECLOMETHASONE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ PREDNISOLONE, therapeutic use

N

2941. **Nadkarni GS, Samuel AM**: Effect of whole-body x-irradiation on plasma-protein synthesis: role of adrenals. Int J Radiat Biol 23:469-76, May 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, biosynthesis/ CARBON ISOTOPES/ FIBRINOGEN, biosynthesis/ GLYCINE, metabolism/ MALE/ *RADIATION INJURIES, EXPERIMENTAL, blood/ RATS/ SERUM ALBUMIN, biosynthesis/ TIME FACTORS

2942. **Nadler HL**: Prenatal detection of genetic disorders. Adv Hum Genet 3:1-37, 1972 (193 ref.)
AMNIOCENTESIS, instrumentation/ AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, cytology/ AMNIOTIC FLUID, enzymology/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES, analysis/ CYTOGENETICS/ ELECTROLYTES, analysis/ FEMALE/ GENETIC COUNSELING/ *HEREDITARY DISEASES, diagnosis/ HORMONES, analysis/ HUMAN/ LYMPHOCYTES/ METABOLISM, INBORN ERRORS, diagnosis/ PREGNANCY/ *PRENATAL DIAGNOSIS/ PROTEINS, analysis/ REVIEW/ SEX CHROMATIN, analysis/ SEX DETERMINATION/ URINE, analysis

2943. **Naef AP, Grüneck JS de**: Comparative results of right pneumonectomy and sleeve lobectomy.
Cancer Chemother Rep [Suppl] 4:Suppl 4:97-9, Mar 73
BRONCHIAL NEOPLASMS, complications/ BRONCHIAL NEOPLASMS, surgery/ BRONCHITIS, complications/ CARCINOMA, BRONCHOGENIC, surgery/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ LEYDIG CELL TUMOR, mortality/ LEYDIG CELL TUMOR, surgery/ LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, diagnosis/ LUNG NEOPLASMS mortality/ *LUNG NEOPLASMS, surgery/ METHODS/ *PNEUMONECTOMY/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ TIME FACTORS

2944. **Nagai H, Ogata M, Saito K, et al**: [Report of six cases myotonic dystrophy, especially on the endocr functions] J Jap Soc Intern Med 62:770-82, Jul 73 (Ja
ADULT/ AMINO ACIDS, blood/ AMINO ACIDS, urine/ FEMALE/ GONADS, physiopathology/ HUMAN/ MALE/ *MYOTONIA ATROPHICA, physiopathology/ *PITUITARY-ADRENAL SYSTEM/ THYROID GLAND, physiopathology

2945. **Nagano H, Ito H, Shukuya R**: Changes in hepa phosphoenolpyruvate carboxykinase activity and intracellular distribution during bullfrog metamorphosis. FEBS Lett 33:125-8, 15 Jun
ANIMAL EXPERIMENTS/ *CARBOXY-LYAS metabolism/ CYTOSOL, drug effects/ CYTOSOL, enzymology/ FASTING/ FROGS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, growth & development/ *METAMORPHOSIS, BIOLOGICAL/ METAMORPHOSIS, BIOLOGICAL, drug effects/ MITOCHONDRI LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ PHOSPHOENOLPYRUVATE CARBOXYKINAS metabolism/ RANA CATESBEIANA/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, enzymology/ TRIIODOTHYRONINE, pharmacodynamics

2946. **Nagasawa H, Yani R**: Effects of adrenalectomy and deficiency of pituitary prolactin secretion o initiation and maintenance of lactation in mi J Endocrinol 58:67-73, Jul 73
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BROMINE pharmacodynamics/ DNA, analysis/ ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ *LACTATION/ LACTATION, drug effects/ MAMMAE, analysis/ MICE/ MICE, INBRED C3H/ *PITUITARY GLAND, secretion/ PREGNANCY/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, secretion/ RNA, analysis

2947. **Nagataki S, Uchimura H, Masuyama Y, et al**: TSH-stimulated thyroid hormone release inhibited iodide? Endocrinology 93:532-9, Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DIET/ *IODINE, pharmacodynamics/ IODINE ISOTOPES/ MALE/ METHIMAZOLE pharmacodynamics/ MICE/ POTASSIUM IODIDE, pharmacodynamics/ PROTEIN-BOUN IODINE TEST/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics/ *THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

2948. **Nagl W**: The sex chromatin in Tachycines asynamo (Orthoptera) and its implications.
Cytologia (Tokyo) 38:107-10, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ *INSECTS, cytology/ MALE/ MITOSIS/ OVARY/ *SEX CHROMATIN/ SEX CHROMOSOMES/ TESTIS

2949. **Nagle WA, Humphrey RM**: X-irradiation of mitc Chinese hamster cells. I. Damage expression recovery in surviving daughter cells.
Int J Radiat Biol 23:611-25, Jun 73
CELL SURVIVAL, radiation effects/ *CELLS CULTURED, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ HAMSTERS/ *MITOSIS, radiation effects/ OVARY/ *RADIATION EFFECTS

2950. **Nahorski SR, Rogers KJ, Slater P**: Analysis of lal brain constituents using a technique for th instantaneous fixation of brain tissue in vi
Br J Pharmacol 47:659P-660P, Mar 73
ACETYLCHOLINE, analysis/ ADENOSINE

CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ FREEZING/ GLUCOSE, analysis/ GLYCOGEN, analysis/ LACTATES, analysis/ METHODS/ MICE/ NITROGEN/ PHOSPHOCREATINE, analysis/ RATS/ *TISSUE PRESERVATION

. **Nährig G:** Die kombinierte Behandlung des Mammakarzinoms.
Radiobiol Radiother (Berl) 14:100-10, 1973 (Ger)
ADULT/ AGED/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ PREMEDICATION/ PREOPERATIVE CARE/ PROGNOSIS/ TESTOSTERONE, therapeutic use

Nair KG, Umali T, Potts J: Ribonucleic acid (RNA) polymerase and adenyl cyclase in cardiac hypertrophy and cardiomyopathy. Am J Cardiol 32:423-6, 20 Sep 73
*ADENYL CYCLASE, metabolism/ AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA/ *DISEASE MODELS, ANIMAL/ DNA, analysis/ FEMALE/ HAMSTERS/ *HEART ENLARGEMENT, enzymology/ HEART ENLARGEMENT, etiology/ HEART ENLARGEMENT, familial & genetic/ HYPERTROPHY/ LIGATION/ METHODS/ MYOCARDIUM, analysis/ PROTEINS, biosynthesis/ RATS/ RNA, analysis/ RNA POLYMERASE, antagonists & inhibitors/ *RNA POLYMERASE, metabolism

Nair RM, Redding TW, Kastin AJ, et al: Site of inactivation of melanocyte-stimulating hormone-release-inhibiting hormone by human plasma. Biochem Pharmacol 22:1915-9, 1 Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ DANSYL COMPOUNDS, analysis/ DIAZONIUM COMPOUNDS/ ELECTROPHORESIS/ FROGS/ HUMAN/ HYPOTHALAMUS, metabolism/ ISOTOPE LABELING/ *MSH, antagonists & inhibitors/ PEPTIDES, analysis/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PLASMA/ TRITIUM

Naismith WC, Barr W, MacVicar J: Comparison of intravenous prostaglandins F 2 and E 2 with intravenous oxytocin in the induction of labour. J Obstet Gynaecol Br Commonw 80:531-5, Jun 73
ADOLESCENCE/ ADULT/ AMNION, surgery/ COMPARATIVE STUDY/ FEMALE/ FEVER, chemically induced/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ *OXYTOCIN, administration & dosage/ OXYTOCIN, adverse effects/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS

Takahayashi H, Manmi S, Matsui A, et al: [Autopsy case of acromegaly with fatal subarachnoid hemorrhage] Jap J Clin Med 31:2095-104, Jun 73 (Jap)
*ACROMEGALY, complications/ ACROMEGALY, pathology/ AUTOPSY/ FEMALE/ HUMAN/ *SUBARACHNOID HEMORRHAGE, complications

Takagawa K, Mashimo K: Suppressibility of plasma growth hormone levels in acromegaly with dexamethasone and phentolamine.
J Clin Endocrinol Metab 37:238-46, Aug 73
*ACROMEGALY, blood/ ADULT/ BLOOD SUGAR, metabolism/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, diagnostic use/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, diagnostic use/ MALE/ MIDDLE AGE/ PHENTOLAMINE, administration & dosage/ *PHENTOLAMINE, diagnostic use/ *SOMATOTROPIN, blood/ TIME FACTORS

2957. **Nakajima H, Nimi H, Matsumoto I, et al:** [Effects of synthetic thyrotropin releasing hormone on values of serum TSH in children]
Clin Endocrinol (Tokyo) 21:513-6, May 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ DWARFISM, PITUITARY, diagnosis/ FEMALE/ HUMAN/ MALE/ *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

2958. **Nakamura K:** An electron microscopic observation on RE-cells of the rat adrenal cortex with respect to the nature of lipid globules.
Tohoku J Exp Med 109:205-21, Mar 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ HISTOCYTOCHEMISTRY/ *LIPIDS, analysis/ MALE/ MICROSCOPY, ELECTRON/ RATS/ RETICULOENDOTHELIAL SYSTEM, analysis/ *RETICULOENDOTHELIAL SYSTEM, cytology

2959. **Nakamura K, Kuntzman R, Maggio A, et al:** Restoration of morphine analgesia in morphine-tolerant rats after the intraventricular administration of 6-hydroxydopamine.
J Pharm Pharmacol 25:584-7, Jul 73
ANALGESIA/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CEREBRAL VENTRICLES/ DOPAMINE, analysis/ *DRUG TOLERANCE, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, drug effects/ MALE/ *MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, analysis/ RATS

2960. **Nakamura K, Kuntzman R, Maggio AC, et al:** Infuluence of 6-hydroxydopamine on the effect of morphine on the tail-flick latency.
Psychopharmacologia 31:177-89, 17 Jul 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CEREBRAL VENTRICLES/ DOPAMINE, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ FRONTAL LOBE/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ MALE/ MORPHINE, administration & dosage/ MORPHINE, analysis/ MORPHINE, blood/ *MORPHINE, pharmacodynamics/ NOREPINEPHRINE, analysis/ RATS/ *REACTION TIME, drug effects/ TIME FACTORS

2961. **Nakamura M, Sawai Y, Abe M, et al:** Application of 4096 channel memory unit to the radionuclide imaging.
Tohoku J Exp Med 110:69-80, May 73
ANALOG-DIGITAL CONVERSION/ BONE AND BONES/ *COMPUTERS/ COMPUTERS, DIGITAL/ DATA DISPLAY/ GOLD COLLOID, RADIOACTIVE/ HUMAN/ IODINE ISOTOPES/ LIVER/ *RADIOISOTOPE SCANNING, instrumentation/ THYROID GLAND FUNCTION TESTS

2962. **Nakamura M, Sawai Y, Abe M, et al:** [Measurement of blood thyroxine with Thyopac-4 method]
Clin Endocrinol (Tokyo) 21:443-6, Apr 73 (Jap)
IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

2963. **Nakamura M, Sawai Y, Abe M, et al:** [Evaluation of 99mTc sodium polyphosphate complex as a bone seeking agent]
Nippon Acta Radiol 33:134-7, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ *BONE AND BONES/ BONE AND BONES, metabolism/ BONE NEOPLASMS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *PHOSPHATES, diagnostic use/ PHOSPHATES, metabolism/ *RADIOISOTOPE SCANNING/ RATS/ *TECHNETIUM

2964. **Nakamura T, Tanabe Y:** In vitro corticosteroidogenesis by the adrenal gland of the chicken (Gallus domesticus). Gen Comp Endocrinol 21:99-107, Aug 73

*ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL-FREE SYSTEM/ CHICKENS/ CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, metabolism/ FEMALE/ HYDROXYLASES, metabolism/ HYDROXYPROGESTERONE, biosynthesis/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ PREGNENOLONE, metabolism/ *PROGESTERONE, biosynthesis/ PROGESTERONE, metabolism

2965. **Nakamura Y, Matsumoto S, Kurokawa H, et al:** [Induction and promotion of ovulation with single intramuscular injection of LH-RH]
Clin Endocrinol (Tokyo) 21:607-14, Jun 73 **(Jap)**
FSH, blood/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LH/ LH, blood/ *OVULATION, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, administration & dosage

2966. **Nakanishi M, Setoguchi M:** Studies on psychotropic drugs. XVII. Effects of 3-chloro-5-(3-(4-piperidino-4-carbamoyl-piperidino)-propyl)-10,11-dihydro-5(H)-dibenz-(b,f)-azepine dihydrochloride monohydrate (Y-4153) on the metabolism of biogenic amines.
Arzneim Forsch 23:806-10, Jun 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BLOOD PLATELETS, metabolism/ BRAIN, metabolism/ CARBAMATES, pharmacodynamics/ CATECHOLAMINES, biosynthesis/ CHLORPROMAZINE, metabolism/ *DIBENZAZEPINES, pharmacodynamics/ DOPAMINE, metabolism/ FEMALE/ IMIPRAMINE, metabolism/ MALE/ MONOAMINE OXIDASE, metabolism/ PIPERIDINES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *TRANQUILIZING AGENTS, pharmacodynamics

2967. **Nakanishi S, Adhya S, Gottesman M, et al:** Studies on the mechanism of action of the gal repressor.
J Biol Chem 248:5937-42, 10 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BINDING, COMPETITIVE/ COLIPHAGES/ DNA, VIRAL/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism/ GALACTOSE/ *GENES, REGULATOR/ INOSINE NUCLEOTIDES, metabolism/ MAGNESIUM/ MODELS, CHEMICAL/ OPERON/ POLYNUCLEOTIDES, metabolism/ PROTEIN BINDING/ RIFAMPIN/ *RNA, BACTERIAL, biosynthesis/ *RNA, MESSENGER, biosynthesis/ RNA POLYMERASE, antagonists & inhibitors/ RNA POLYMERASE, metabolism/ TEMPLATES/ TRANSCRIPTION, GENETIC, drug effects

2968. **Nakano J, Prancan AV, Morsy NH:** Metabolism of prostaglandin E1 in stomach, jejunum chyle and plasma of the dog and the rat.
Jap J Pharmacol 23:355-61, Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *CHYLE, metabolism/ DOGS/ FEMALE/ *JEJUNUM, metabolism/ KIDNEY, metabolism/ LUNG, metabolism/ MALE/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, metabolism/ RATS/ *STOMACH, metabolism/ TRITIUM

2969. **Nakano KK:** Anencephaly: a review.
Arkh Anat Gistol Embriol 63:383-400, Aug 72 (102 ref.)
ABNORMALITIES, MULTIPLE/ ADRENAL GLANDS, abnormalities/ *ANENCEPHALUS/ ANENCEPHALUS, embryology/ ANENCEPHALUS, familial & genetic/ ANENCEPHALUS, occurrence/ BIRTH ORDER/ CENTRAL NERVOUS SYSTEM, embryology/ ETHNIC GROUPS/ FEMALE/ HEART, abnormalities/ HUMAN/ INFANT, NEWBORN/ KIDNEY, abnormalities/ LIVER, abnormalities/ MATERNAL AGE/ OVARY, abnormalities/ PANCREAS, abnormalities/ PITUITARY GLAND, abnormalities/ PREGNANCY/ REVIEW/ SKULL, abnormalities/ SPINAL CANAL, abnormalities/ SPLEEN, abnormalities/ TESTIS, abnormalities/ THYMUS GLAND, abnormalities/ THYROID GLAND, abnormalities

2970. **Nakashima M, Tsuru H, Shigei T:** Stimulant action methoxamine in the isolated atria of normal a 6-propyl-2-thiouracil-fed rats.
Jap J Pharmacol 23:307-12, Jun 73
*ACTION POTENTIALS, drug effects/ ADRENERGIC ALPHA RECEPTOR AGONIST pharmacodynamics/ ANIMAL EXPERIMENTS DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HEART, drug effects/ HEART ATRIUM, drug effects/ IN VITRO/ MALE/ METHOXAMINE, antagonists & inhibitors/ *METHOXAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

2971. **Nakayama I, Nickerson PA:** Suppression of somatotrophs in growth hormone injected ra
Z Zellforsch Mikrosk Anat 140:309-14, 1973
ANIMAL EXPERIMENTS/ CATTLE/ FEMAL KIDNEY, physiology/ LYSOSOMES/ MICROSCOPY, ELECTRON/ NEPHRECTOMY *PITUITARY GLAND, cytology/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, physiology/ TIME FACTORS

2972. **Nakayama T:** [Female sex hormones]
Clin Endocrinol (Tokyo) 20:819-20, Oct 72 (Ja
ABORTION, THREATENED, drug therapy/ CLIMACTERIC/ CONTRACEPTIVES, ORAL/ ESTROGENS, administration & dosage/ *ESTROGENS, therapeutic use/ FEMALE/ GONADOTROPINS, administration & dosage/ GONADOTROPINS, adverse effects/ *GONADOTROPINS, therapeutic use/ HUMA PREGNANCY/ PROGESTATIONAL HORMONES, administration & dosage/ *PROGESTATIONAL HORMONES, therapeuti use/ REVIEW/ UTERINE DISEASES, drug therapy/ VAGINITIS, drug therapy

2973. **Nalbandov AV:** Puzzles of reproductive physiolo
J Reprod Fertil 34:1-8, Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ ESTROGENS, physiology/ ESTRUS/ FEMALE FERTILIZATION/ *GENITALIA, FEMALE, physiology/ GENITALIA, MALE, physiology/ HAMSTERS/ HUMAN/ LH, physiology/ MAL MICE/ NIDATION/ RABBITS/ RATS/ *REPRODUCTION/ SEX BEHAVIOR, ANIMA SEX FACTORS/ SHEEP/ SWINE

2974. **Nalbandov AV, Kao LW, Jones EE:** Effects intrafollicular injection of hormones and dru
J Reprod Fertil [Suppl] 18:15-22, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT pharmacodynamics/ ANIMAL EXPERIMENTS CATECHOLAMINES, pharmacodynamics/ CHICKENS/ FEMALE/ FSH, administration dosage/ *FSH, pharmacodynamics/ GRAAFIA FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, drug effects/ INJECTIONS/ LH, administration & dosage/ *LH, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ OVULATION, drug effec PHENOXYBENZAMINE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ RABBITS/ THYROTROPIN, pharmacodynamics

2975. **Nallar R, Biscardi AM:** Hypophysial feed-back in hypothalamic regulation of luteinizing hormo secretion. Experientia 29:878-9, 1973
ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ ESTRADIOL, pharmacodynamics *FEEDBACK/ FEMALE/ HYPOPHYSECTOM *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *LH, secretion/ OVARY, metabolism/ PITUITARY GLAND, physiology/ *PITUITAI

GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ PROGESTERONE, pharmacodynamics/ RATS

6. **Nambara T, Honma S, Asama M, et al:** Isomeric 2,16alpha-dihydroxyesterone methyl ethers: new metabolites in rat bile.
Chem Pharm Bull (Tokyo) 21:914-6, Apr 73
ANIMAL EXPERIMENTS/ *BILE, metabolism/ CARBON ISOTOPES/ *ESTRONE, metabolism/ HYDROXYSTEROIDS, metabolism/ ISOMERISM/ MALE/ METHYL ETHER/ RATS

7. **Nambara T, Iwata T, Bae Y, et al:** [Gas-chromatography of steroid metabolites]
Jap J Clin Pathol 21:593-8, Jul 73 (Jap)
ANDROSTENES, urine/ ANIMAL EXPERIMENTS/ *CHROMATOGRAPHY, GAS/ CONGRESSES/ ESTRONE, urine/ *GLUCOCORTICOIDS, metabolism/ HUMAN/ KETOSTEROIDS, analysis/ RABBITS

. **Nanba H:** Ultrastructural and cytochemical studies on the thyroid gland of normal metamorphosing frogs (Rana japonica Guenther). II. Peroxidase activity.
Arch Histol Jap 35:313-22, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ FROGS/ GOLGI APPARATUS, enzymology/ HISTOCYTOCHEMISTRY/ IODINE ISOTOPES/ *METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ *PEROXIDASES, analysis/ *RANA, metabolism/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology

Nanbu S: [Determination of thyroxine--its problems and clinical application]
Jap J Clin Pathol 21:302-6, Apr 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TRITIUM

Nasemann T: Anfragen aus der Praxis.
Hautarzt 24:318, Jul 73 (Ger)
AGE FACTORS/ *HEMANGIOMA, drug therapy/ HEMANGIOMA, surgery/ HUMAN/ INFANT/ INJECTIONS, INTRADERMAL/ *SKIN NEOPLASMS, drug therapy/ SKIN NEOPLASMS, surgery/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, therapeutic use

Nash AG, Robbins GF: The operative approach to the left adrenal gland.
Surg Gynecol Obstet 137:670-2, Oct 73
*ADRENALECTOMY/ ATELECTASIS/ BREAST NEOPLASMS, surgery/ FEMALE/ HUMAN/ METHODS/ PNEUMOTHORAX/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM/ RETROSPECTIVE STUDIES/ SPLENECTOMY, adverse effects

Nashold BS Jr, Stewart B, Wilson WP: Depth electrode studies in centrencephalic epilepsy.
Confin Neurol 34:252-63, 1972
ADOLESCENCE/ ADULT/ *AMYGDALOID BODY, physiopathology/ CORTICAL SYNCHRONIZATION/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, physiopathology/ EVOKED POTENTIALS/ *FRONTAL LOBE, physiopathology/ GLOBUS PALLIDUS, physiopathology/ HUMAN/ HYPERVENTILATION, physiopathology/ MALE/ NEURAL INTERCONNECTIONS, physiopathology/ PHOTIC STIMULATION/ TEGMENTUM MESENCEPHALI, physiopathology/ THALAMUS, physiopathology

Naugol'nykh EZ: Sovremennye metody opredeleniia al'dosterona. Lab Delo 9:522-9, 1972 (54 ref.) (Rus)
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ELECTRONS/ METHODS/ PHOTOMETRY/ PROTEIN BINDING/ RADIOMETRY/ RATS/ REVIEW

2984. **Nauman A, Nauman J, Ruzyllo E:** Determination triiodothyronine-the question of formation of esters of iodothyronine. Mater Med Pol 4:16-8, Jan-Mar 72
AUTORADIOGRAPHY/ CHROMATOGRAPHY, PAPER/ ESTERS, analysis/ HUMAN/ IODINE ISOTOPES/ METHODS/ SERUM ALBUMIN, analysis/ TEMPERATURE/ *TRIIODOTHYRONINE, blood

2985. **Nava y Sánchez R, González CR, Zaldívar Guerra A, et al:** La administración de esteroides en dispositivos subcutáneos.
Ginecol Obstet Mex 34:15-26, Jul 73 (Spa)
*CONTRACEPTIVE AGENTS, administration & dosage/ DELAYED-ACTION PREPARATIONS, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ MEMBRANES, ARTIFICIAL/ PREGNANCY/ *PROGESTERONE, administration & dosage

2986. **Nayler WG:** Effect of verapamil on ventricular contraction. Br Heart J 35:864, Aug 73
CALCIUM, metabolism/ *HEART, drug effects/ HEART VENTRICLE, drug effects/ HEART VENTRICLE, metabolism/ HEART VENTRICLE, physiology/ HUMAN/ *IPROVERATRIL, pharmacodynamics

2987. **Naylor AF, Warburton D, Warburton FE:** Spatial relations of human chromosomes identified by quinacrine fluorescence at metaphase. II. Analyses of variance of intercentromeric distances.
Humangenetik 18:307-13, 1973
ANALYSIS OF VARIANCE/ CELL NUCLEUS/ *CHROMOSOMES/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 16-18/ COMPUTERS/ FEMALE/ FLUORESCENCE/ GENETICS, HUMAN/ HETEROCHROMATIN/ HUMAN/ MALE/ *MITOSIS/ QUINACRINE/ SEX CHROMOSOMES/ STAINS AND STAINING

2988. **Nazarova GG, Fomina LS:** Vliianie mineralokortikoidov na vneshnesekretournuiu funktsiiu podzheludochnoi zhelezy.
Probl Endokrinol (Mosk) 19:78-81, May-Jun 73 (Rus)
AMYLASE, analysis/ ANIMAL EXPERIMENTS/ DESOXYCORTICOSTERONE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HYDROGEN-ION CONCENTRATION/ LIPASE, analysis/ MALE/ *MINERALOCORTICOIDS, pharmacodynamics/ *PANCREAS, drug effects/ PANCREAS, secretion/ PANCREATIC JUICE, analysis/ *PANCREATIC JUICE, secretion/ PEPTIDE HYDROLASES, analysis/ SECRETORY RATE, drug effects/ TIME FACTORS/ TRYPSIN, analysis/ TRYPSIN INHIBITORS, analysis

2989. **Nazer J, Valenzuela CY:** Posibles efectos biológicos de los anticonceptivos.
Rev Med Chil 101:234-6, Mar 73 (Spa)
*ABNORMALITIES, occurrence/ ABNORMALITIES, DRUG-INDUCED, occurrence/ BIRTH WEIGHT, drug effects/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, adverse effects/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, INTRAMUSCULAR/ MALE/ MATERNAL AGE/ PREGNANCY/ SEX FACTORS/ TWINS

2990. **Neal GE:** The effect of aflatoxin B 1 on normal and cortisol-stimulated rat liver ribonucleic acid synthesis. Biochem J 130:619-29, Nov 72
ADRENALECTOMY/ *AFLATOXIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ CHROMATIN, analysis/ DNA, analysis/ HEAT/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE,

pharmacodynamics/ LEUCINE, metabolism/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ OROTIC ACID, metabolism/ RATS/ RECEPTORS, DRUG/ *RNA, biosynthesis/ RNA POLYMERASE, metabolism/ TEMPLATES/ TRITIUM

2991. **Neal GE:** The effect of aflatoxin B 1 on ribonucleic acid synthesis in control and cortisol-stimulated rat liver. Biochem J 130:79P-80P, Nov 72
*AFLATOXIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, drug effects/ LIVER, metabolism/ RATS/ *RNA, biosynthesis/ RNA POLYMERASE, metabolism

2992. **Nebert DW:** Use of fetal cell culture as an experimental system for predicting drug metabolism in the intact animal. Clin Pharmacol Ther 14:693-9, Jul-Aug 73
ANIMAL EXPERIMENTS/ BENZOPYRENES, pharmacodynamics/ CELLS, CULTURED/ *DRUGS, metabolism/ ENZYME INDUCTION, drug effects/ *FETUS/ HYDROCARBONS/ HYDROXYLASES, metabolism/ LIVER, enzymology/ METHYLCHOLANTHRENE, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MICE, INBRED STRAINS/ PLACENTA, enzymology/ PREGNANCY/ TIME FACTORS

2993. **Nechaeva ID, Semenovskii AV:** O sostoianii chaoorodnoi funktsii posle khimioterapii u bol'nykh trofoblasticheskoi bolezn'iu.
Vopr Onkol 19:20-7, 1973 **(Rus)**
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA, drug therapy/ DRUG THERAPY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LABOR/ MIDDLE AGE/ NEOPLASM METASTASIS, drug therapy/ *PREGNANCY/ RETROSPECTIVE STUDIES/ *TROPHOBLASTIC TUMOR, drug therapy/ TROPHOBLASTIC TUMOR, mortality/ UTERINE NEOPLASMS, drug therapy/ VAGINAL NEOPLASMS, drug therapy

2994. **Nechiporuk VM, Kadoshchuk TA, Ostrovskii VP, et al:** Analiz trudnostei i oshibok v raspozanvanii ostrego appenditsita. Klin Khir 2:53-7, Feb 73 **(Rus)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ APPENDECTOMY/ *APPENDICITIS, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSIS, SURGICAL/ DIAGNOSTIC ERRORS/ FEMALE/ GASTROINTESTINAL DISEASES, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ OVARIAN DISEASES, diagnosis/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis

2995. **Neff JM, Dorst JP, Spear GS:** Rapid death in childhood. J Pediatr 83:679-84, Oct 73
ADRENAL GLANDS, pathology/ CASE REPORT/ DIPLOCOCCUS PNEUMONIAE/ DISSEMINATED INTRAVASCULAR COAGULATION, diagnosis/ *DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ FEMALE/ HEMOSIDERIN/ HUMAN/ INFANT/ LYMPH NODES, pathology/ MENINGITIS, HAEMOPHILUS, diagnosis/ NEISSERIA MENINGITIDIS/ PNEUMOCOCCAL INFECTIONS, diagnosis/ *PNEUMOCOCCAL INFECTIONS, pathology/ PNEUMONIA, STAPHYLOCOCCAL, diagnosis/ SPLEEN, pathology/ SPLENIC DISEASES, diagnosis/ *SPLENIC DISEASES, pathology/ WATERHOUSE-FRIDERICHSEN SYNDROME, diagnosis/ *WATERHOUSE-FRIDERICHSEN SYNDROME, pathology

2996. **Negoro H, Visessuwan S, Holland RC:** Inhibition and excitation of units in paraventricular nucleus after stimulation of the septum, amygdala and neurohypophysis. Brain Res 57:479-83, 27 Jul 73
ACTION POTENTIALS/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ESTRUS/ FEMALE/ INHIBITION, NEURAL/ NEURAL INTERCONNECTIONS, physiology/ *NEURAL TRANSMISSION/ *PITUITARY GLAND, POSTERIOR, physiology/ RATS/ *SEPTUM PELLUCIDUM, physiology/ *THALAMIC NUCLEI, physiology

2997. **Negro-Vilar A, Krulich L, McCann SM:** Change serum prolactin and gonadotropins during se development of the male rat.
Endocrinology 93:660-4, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *FSH, blood/ *GENITALIA, MALE, growth development/ *LH, blood/ MALE/ ORGAN WEIGHT/ *PROLACTIN, blood/ PROSTATE growth & development/ RATS/ SEMINAL VESICLES, growth & development/ *TEST growth & development/ TIME FACTORS

2998. **Negro-Vilar A, Ojeda SR, McCann SM:** Evidence changes in sensitivity to testosterone nega feedback on gonadotropin release during se development in the male rat.
Endocrinology 93:729-35, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ *FSH, blood/ *LH, blood/ MA RATS/ *TESTIS, growth & development/ TESTIS, physiology/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE pharmacodynamics

2999. **Neinas FW, Gorman CA, Devine KD, et al:** Lin thyroid. Clinical characteristics of 15 cases
Ann Intern Med 79:205-10, Aug 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *CHORISTOMA/ CHORISTOMA, diagnosis/ FEMALE/ HEMOPTYSIS, etiology/ HUMAN/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ SEX FACTORS/ THYROID DISEASES, familial genetic/ *THYROID GLAND/ THYROID GLAND, pathology/ THYROID GLAND, surgery/ THYROID GLAND, transplantation THYROID HORMONES, therapeutic use/ TONGUE NEOPLASMS, diagnosis/ TRANSPLANTATION, AUTOLOGOUS/ VOI

3000. **Nellans HN, Frizzell RA, Schultz SG:** Coupl sodium-chloride influx across the brush borde rabbit ileum. Am J Physiol 225:467-75, Aug
ADENOSINE CYCLIC 3',5' MONOPHOSPHA pharmacodynamics/ ANIMAL EXPERIMENT BIOLOGICAL TRANSPORT, ACTIVE/ *CHLORIDES, metabolism/ *ILEUM, metabolism/ INTESTINAL MUCOSA, metabolism/ KINETICS/ MALE/ MODELS, BIOLOGICAL/ RABBITS/ *SODIUM, metabolism/ SODIUM CHLORIDE, metaboli THEOPHYLLINE, pharmacodynamics

3001. **Nelson JS:** The quantitative histochemistry of sympathoadrenal system. II. Enzymes of the c acid, pentose phosphate and glycogenolytic pathw
J Histochem Cytochem 21:483-7, May 73
ADRENAL MEDULLA, cytology/ *ADRENA MEDULLA, enzymology/ FUMARATE HYDRATASE, analysis/ GANGLIA, AUTONOMIC, cytology/ *GANGLIA, AUTONOMIC, enzymology/ GANGLIA, SPINAL, cytology/ *GANGLIA, SPINAL, enzymology/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ *GLYCOGEN PHOSPHORYLASE, analysis/ HISTOCYTOCHEMISTRY/ ISOCITRATE DEHYDROGENASE, analysis/ *KREBS CYC MALATE DEHYDROGENASE, analysis/ *PENTOSEPHOSPHATES, metabolism/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ RATS/ RETINA, cytology/ *RETI enzymology

3002. **Németh S:** Lack of immediate response of thyrosine-alpha-ketoglutarate transaminase to exogenous adrenaline in the adrenalectomized
Experientia 29:41-2, 1 May 73
ADRENALECTOMY/ ANIMAL EXPERIMEN BLOOD SUGAR/ CORTICOSTERONE, blood ENZYME INDUCTION, drug effects/

*EPINEPHRINE, pharmacodynamics/ EPINEPHRINE, physiology/ *LIVER, enzymology/ LIVER GLYCOGEN, analysis/ MALE/ RATS/ *TYROSINE AMINOTRANSFERASE, metabolism

Németh S, Vigaš M, Straková A: Time and level of increased plasma corticosterone necessary for induction of liver tyrosine aminotransferase in rats subjected to trauma. Horm Metab Res 5:283-5, Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ ENZYME INDUCTION/ GERM-FREE LIFE/ HALF-LIFE/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS/ ROTATION/ *STRESS, enzymology/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, biosynthesis

Neri V, Ambrosi B, Beck-Peccoz P, et al: Growth hormone responses to hypoglycaemia and arginine tests in hyperthyroid and hypothyroid patients. Folia Endocrinol (Roma) 26:102-9, Apr 73
ADOLESCENCE/ ADULT/ AGED/ *ARGININE, diagnostic use/ BLOOD SUGAR/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ *HYPOGLYCEMIA, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

Neri V, Ambrosi B, Beck-Peccoz P, et al: Growth hormone regulation and hypothalamic-pituitary-adrenal function in anorexia nervosa. Folia Endocrinol (Roma) 25:143-52, Apr 72
ADOLESCENCE/ *ADRENAL GLANDS/ ADULT/ *ANOREXIA NERVOSA, physiopathology/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD SUGAR/ CORTICOTROPIN, secretion/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, physiopathology/ PITUITARY HORMONE RELEASING FACTORS/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

Nestel PJ, Schreibman PH, Ahrens EH Jr: Cholesterol metabolism in human obesity.
J Clin Invest 52:2389-97, Oct 73
ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, metabolism/ ADULT/ BODY WEIGHT/ CARBON ISOTOPES/ CHOLESTEROL, analysis/ CHOLESTEROL, biosynthesis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHOLESTEROL, DIETARY/ COMPARATIVE STUDY/ DIET/ FECES, analysis/ FEMALE/ HUMAN/ KINETICS/ MALE/ METHODS/ MIDDLE AGE/ *OBESITY, metabolism/ SITOSTEROLS, metabolism/ STEROIDS, analysis/ TIME FACTORS/ TRITIUM

Neufeld AH, Sears ML: Prostaglandin and eye.
Prostaglandins 4:157-75, Aug 73 (60 ref.)
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, metabolism/ CARBON ISOTOPES/ CATS/ *EYE/ EYE, analysis/ EYE, drug effects/ EYE, metabolism/ EYE DISEASES, physiopathology/ INTRAOCULAR PRESSURE, drug effects/ MIOTICS/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ RABBITS/ REVIEW/ STIMULATION, CHEMICAL/ TRITIUM/ UVEITIS, drug therapy

3008. Neustein HB: Nemaline myopathy. A family study with three autopsied cases. Arch Pathol 96:192-5, Sep 73
ADENOSINE TRIPHOSPHATASE/ ADULT/ ASTHENIA, familial & genetic/ AUTOPSY/ BIOPSY/ BONE AND BONES, pathology/ CHILD/ DIAPHRAGM, pathology/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MUSCLES, pathology/ MUSCULAR DISEASES, congenital/ *MUSCULAR DISEASES, familial & genetic/ MUSCULAR DISEASES, pathology/ MYOFIBRILS/ STAINS AND STAINING/ TONGUE, pathology

3009. Newton WT, Anderson CB: Planned preimmunization of renal allograft recipients. Surgery 74:430-6, Sep 73
ADMINISTRATION, ORAL/ ADULT/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, therapeutic use/ CREATININE, blood/ CREATININE, metabolism/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ HUMAN/ *IMMUNIZATION/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ LEUKOCYTE CULTURE TEST, MIXED/ *LYMPHOCYTES, immunology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS

3010. Nguyen-Morére MC: Ulcérations de jambes et traitements anti-inflammatoires.
Phlebologie 26:41-5, Jan-Mar 73 (Fre)
AGED/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ INDOMETHACIN, adverse effects/ LEG ULCER, complications/ *LEG ULCER, complications/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, adverse effects/ RHEUMATISM, complications/ *RHEUMATISM, drug therapy/ *WOUND HEALING, drug effects

3011. Nichini FM, Tansy MF, Kendall FM: Serum magnesium fall in radiation-induced gastrointestinal symptomatology. Radiology 108:413-5, Aug 73
ABDOMEN/ COBALT ISOTOPES/ DIARRHEA, etiology/ FEMALE/ *GASTROINTESTINAL DISEASES, etiology/ HUMAN/ *MAGNESIUM, blood/ OVARIAN NEOPLASMS, radiotherapy/ PAIN, etiology/ *RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ TIME FACTORS

3012. Nicholls TJ, Scanes CG, Follett BK: Plasma and pituitary luteinizing hormone in Japanese quail during photoperiodically induced gonadal growth and regression. Gen Comp Endocrinol 21:84-98, Aug 73
ANIMAL EXPERIMENTS/ FEMALE/ GONADS, growth & development/ LEYDIG CELLS, cytology/ *LH, analysis/ LH, biosynthesis/ LH, blood/ LIPIDS, analysis/ MALE/ MICROSCOPY, ELECTRON/ PHOTIC STIMULATION/ *PITUITARY GLAND, analysis/ *QUAIL/ RADIOIMMUNOASSAY/ REPRODUCTION/ SEASONS/ TIME FACTORS

3013. Nichols CE, Bonney WA: Carcinoma of the vulva producing hypercalcemia.
Obstet Gynecol 42:58-61, Jul 73
*CARCINOMA, EPIDERMOID, complications/ CARCINOMA, EPIDERMOID, pathology/ CARCINOMA, EPIDERMOID, surgery/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ MIDDLE AGE/ *VULVAR NEOPLASMS, complications/ VULVAR NEOPLASMS, pathology/ VULVAR NEOPLASMS, surgery

3014. Nickerson PA: Induction of intranuclear inclusions by estrogen in mammotrophs of the Mongolian gerbil.
J Ultrastruct Res 44:41-8, Jul 73
ANIMAL EXPERIMENTS/ *CELL NUCLEUS, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GERBILS/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ PROTEINS, biosynthesis

3015. **Nicol AG, Young RJ, Elmslie WH, et al:** The influence of pre-operative drug treatment on the histological appearances and in-vitro 131I-uptake of human hyperplastic thyroid gland. J Pathol 109:p8-9, Jan 73
EPITHELIAL CELLS/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, pathology/ IN VITRO/ IODINE, metabolism/ IODINE ISOTOPES/ ORGAN CULTURE/ PROPRANOLOL, therapeutic use/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, metabolism/ *THYROID GLAND, pathology

3016. **Nicolaescu T, Bittman E, Stoiculescu P, et al:** L'azathioprine et les structures fonctionnelles hépatiques (rechierches cliniques et expérimentales. Rev Roum Physiol 10:281-7, 1973 **(Fre)**
AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ *AZATHIOPRINE, therapeutic use/ BLOOD PROTEINS, biosynthesis/ HEPATITIS, drug therapy/ HUMAN/ LIPOPROTEINS, blood/ LIVER, metabolism/ LIVER CIRRHOSIS, drug therapy/ *LIVER DISEASES, drug therapy/ LIVER FUNCTION TESTS/ LIVER REGENERATION, drug effects/ NUCLEIC ACIDS, metabolism/ NUCLEOPROTEINS, metabolism/ PHOSPHATASES, metabolism/ PHOSPHORUS, metabolism/ PREDNISONE, therapeutic use/ PROTEINS, metabolism/ RATS

3017. **Nicolas F:** Les Bêta-bloquants en anesthésie et réanimation.
Anesth Analg (Paris) 30:21-40, Jan-Feb 73 (89 ref.) **(Fre)**
*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ALPRENOLOL, therapeutic use/ *ANESTHESIA/ ANESTHESIA ADJUVANTS/ ANXIETY, drug therapy/ ARRHYTHMIA, drug therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ HYPOTENSION, drug therapy/ PHEOCHROMOCYTOMA, drug therapy/ PINDOLOL, therapeutic use/ PREANESTHETIC MEDICATION/ PROPRANOLOL, therapeutic use/ RESUSCITATION/ REVIEW/ SHOCK, drug therapy/ SPASM, drug therapy

3018. **Nicolas JC, Harris JI:** Human placental 17 -oestradiol dehydrogenase. Sequence of a tryptic peptide containing an essential cysteine.
FEBS Lett 29:173-6, 15 Jan 73
ALKYLATION/ AMINO ACIDS, analysis/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CYSTEINE/ ELECTROPHORESIS, PAPER/ ETHYLMALEIMIDE/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ IODOACETATES/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PLACENTA, enzymology/ PREGNANCY/ TRYPSIN

3019. **Nielsen E, Solomon N, Goodwin NJ, et al:** Fluoride metabolism in uremia.
Trans Am Soc Artif Intern Organs 19:450-5, 1973
ADULT/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, metabolism/ CALCIUM, blood/ FEMALE/ FLUORIDES, blood/ *FLUORIDES, metabolism/ FLUORINE/ HALF-LIFE/ HEMODIALYSIS/ HUMAN/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ RENAL OSTEODYSTROPHY, radiography/ *UREMIA, metabolism

3020. **Nielsen J, Christensen KR, Friedrich U, et al:** Childhood of males with the XYY syndrome.
J Autism Child Schizo 3:5-26, Jan-Mar 73
ADOLESCENCE/ ADULT/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ *CHILD BEHAVIOR DISORDERS, complications/ *CHILD DEVELOPMENT/ CRIMINAL PSYCHOLOGY/ DENMARK/ ELECTROENCEPHALOGRAPHY/ FOLLOW-UP STUDIES/ HOSPITALIZATION/ HOSPITALS, PSYCHIATRIC/ HUMAN/ *INTELLIGENCE/ INTELLIGENCE TESTS/ KARYOTYPING/ MALE/ MENTAL DISORDERS, complications/ MIDDLE AGE/ *PERSONALITY/ PHENOTYPE/ RECORDS/ RETROSPECTIVE STUDIES/ *SEX CHROMOSOME ABNORMALITIES, complications/ SLEEP/ SYNDROME

3021. **Nielsen J, Petersen GB, Therkelsen AJ:** Seas variation in the birth of children with aneup chromosome abnormalities. Report from the Da Cytogenetic Central Register.
Humangenetik 19:67-74, 1973
ANALYSIS OF VARIANCE/ *ANEUPLOIDY DENMARK/ FEMALE/ HUMAN/ MALE/ MONGOLISM, occurrence/ SEASONS/ *SEX CHROMOSOME ABNORMALITIES, occurren

3022. **Nieschlag E, Usadel KH, Schwedes U, et al:** Testic function and morphology in rabbits following a immunization with testosterone or estradiol
Acta Endocrinol [Suppl] (Kbh) 173:116, 19
ANIMAL EXPERIMENTS/ ESTRADIOL, blo *ESTRADIOL, pharmacodynamics/ FSH, secretion/ GONADOTROPINS, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ LH, secretion/ MALE METHODS/ ORGAN WEIGHT/ RABBITS/ RADIOIMMUNOASSAY/ *TESTIS, drug effects/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

3023. **Nieuw Amerongen A van, Roukema PA:** Physico-chemical characteristics and regiona distribution studies of GP-350, a soluble sialoglycoprotein from brain.
J Neurochem 21:125-36, Jul 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN CHEMISTRY/ CATTLE/ CAUDATE NUCLE analysis/ ELECTROPHORESIS, DISK/ GEL DIFFUSION TESTS/ *GLYCOPROTEINS/ GLYCOPROTEINS, analysis/ GLYCOPROTE cerebrospinal fluid/ ISOELECTRIC FOCUS MALE/ MEDULLA OBLONGATA, analysis/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS/ NERVE TISSUE PROTEINS, analysis/ NERVE TISSUE PROTEINS, cerebrospinal fluid/ NEURAMINIC ACIDS, analysis/ PITUITARY GLAND, analysis/ P analysis/ RABBITS, immunology/ RATS/ SODIUM DODECYL SULFATE/ SUBCELLULAR FRACTIONS, analysis

3024. **Niewiarowski S, Senyi AF, Gillies P:** Plasmin-inc platelet aggregation and platelet release rea Effects on hemostasis. J Clin Invest 52:1647-59,
ADENINE NUCLEOTIDES, metabolism/ AMINOCAPROIC ACID, pharmacodynamics ANTIFIBRINOLYTIC AGENTS, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ COLLAGEN, pharmacodynam DIPYRIDAMOLE, pharmacodynamics/ FIBRINOGEN, metabolism/ *FIBRINOLYSI pharmacodynamics/ HEMOSTASIS/ HUMA PHENYLBUTAZONE, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEROTONIN, metabolism/ STREPTOKINASE, pharmacodynamics/ SW THROMBIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics

3025. **Niimi H, Fujimori M, Nakajima H:** [Metabolism o labelled thyroxine in patients with diiodotyr deiodination disorders]
Clin Endocrinol (Tokyo) 21:623-5, Jun 73
ADOLESCENCE/ ADULT/ CHILD/ *DIIODOTYROSINE, metabolism/ FEMALE HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES/ MALE/ THYROID CRISIS, chemically induced/ THYROID DISEASES, metabolism/ *THYROXINE, metabolism

3026. **(Nikolaev OV):** Oleg Vladimirovich Nikolaev 70-letiiu so dnia rozhdeniia.
Probl Endokrinol (Mosk) 19:119-20, May-Jun 73
CURRENT BIOG-OBIT/ ENDOCRINOLOGY history/ HISTORICAL ARTICLE/ HISTOR OF MEDICINE, 20TH CENT./ SURGERY, history/ USSR

27. **Nino PE, Powell JB, Lewis KS, et al:** Modification of column chromatography in T4 analysis.
Clin Biochem 6:106-16, Jun 73
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ INDICATORS AND REAGENTS/ ION EXCHANGE RESINS, isolation & purification/ METHODS/ *THYROXINE, blood/ TIME FACTORS

28. **Nishijima H, Weil MH, Shubin H, et al:** Hemodynamic and metabolic studies on shock associated with gram negative bacteremia.
Medicine (Baltimore) 52:287-94, Jul 73
ADULT/ AGE FACTORS/ AGED/ BACTERIAL INFECTIONS, physiopathology/ BLOOD/ *BLOOD PRESSURE/ *CARDIAC OUTPUT/ CENTRAL VENOUS PRESSURE/ DEXAMETHASONE, therapeutic use/ *GRAM NEGATIVE BACTERIA/ HEMODYNAMICS/ HEMOGLOBIN/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LACTATES, blood/ LIVER, physiopathology/ MIDDLE AGE/ OXYGEN, blood/ SEPTICEMIA, microbiology/ *SEPTICEMIA, physiopathology/ SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, mortality/ *SHOCK, ENDOTOXIC, physiopathology/ SHOCK, ENDOTOXIC, therapy/ VASOCONSTRICTOR AGENTS, therapeutic use

Nishimura T, Taguchi F, Saito M, et al: Antiviral compounds. II. Screening of synthetic organic compounds against influenza virus.
Kitasato Arch Exp Med 45:105-23, Jun 72
ALDEHYDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIVIRAL AGENTS, pharmacodynamics/ BENZOATES, pharmacodynamics/ GUANIDINES, pharmacodynamics/ HYDRAZONES, pharmacodynamics/ *INFLUENZA VIRUSES, drug effects/ KETONES, pharmacodynamics/ NITRO COMPOUNDS, pharmacodynamics/ SEMICARBAZONES, pharmacodynamics/ THIOSEMICARBAZONES, pharmacodynamics/ THIOUREA, pharmacodynamics/ TISSUE CULTURE

Nishino H: [Regional cerebral blood flow. 1. Suitability of the thermoelectric method of measurement and relation between regional cerebral blood flow and autonomic nerve function]
Folia Pharmacol Jap 69:47-64, Jan 73 (Jap)
ACETYLCHOLINE, pharmacodynamics/ AMYGDALOID BODY, blood supply/ ANIMAL EXPERIMENTS/ *AUTONOMIC NERVOUS SYSTEM, physiology/ *BRAIN, blood supply/ CATS/ CEREBRAL CORTEX, blood supply/ DIBENAMINE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ HIPPOCAMPUS, blood supply/ ISOPROTERENOL, pharmacodynamics/ METHODS/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ REGIONAL BLOOD FLOW/ THERMOMETERS

Nishino Y, Neumann F: Sialic acid content and organ weight of vagina and uterus as parameter for finding predominantly vaginotrophic or uterotrophic estrogens.
Acta Endocrinol [Suppl] (Kbh) 173:117, 1973
ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ MESTRANOL, pharmacodynamics/ MICE/ *NEURAMINIC ACIDS, analysis/ ORGAN WEIGHT/ *UTERUS, drug effects/ *VAGINA, drug effects

Nishiyama S: [Skin diseases induced by hormones]
Clin Endocrinol (Tokyo) 20:845-9, Oct 72 (11 ref.) (Jap)
ACNE, chemically induced/ ADRENAL CORTEX HORMONES, adverse effects/ ANDROGENS, adverse effects/ DERMATITIS MEDICAMENTOSA, etiology/ ESTROGENS, adverse effects/ FEMALE/ *HORMONES, adverse effects/ HORMONES, therapeutic use/ HUMAN/ INSULIN, adverse effects/ MALE/ PANNICULITIS, NODULAR NONSUPPURATIVE/ PORPHYRIA, chemically induced/ PROGESTATIONAL HORMONES, adverse effects/ PURPURA, chemically induced/ REVIEW/ *SKIN DISEASES, chemically induced

3033. **Nishiyama W:** Belichtung und Operation auf die histologischen Veränderungen der Nebennierenrinde.
Yonago Acta Med 16:9-22, Feb 72 (Ger)
*ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ LAPAROTOMY/ *LIGHT/ MALE/ PHOTIC STIMULATION/ POSTOPERATIVE COMPLICATIONS/ RABBITS/ *STRESS, complications/ *SURGERY, OPERATIVE

3034. **Nishizuka Y, Sakakura T, Tsujimura T, et al:** Steroid biosynthesis in vitro by dysgenetic ovaries induced by neonatal thymectomy in mice.
Endocrinology 93:786-92, Oct 73
*ANDROGENS, biosynthesis/ ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ HYDROXYPROGESTERONE, metabolism/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ IN VITRO/ ISOMERASES, metabolism/ KETONES, biosynthesis/ *17-KETOSTEROIDS, biosynthesis/ LYASES, metabolism/ OVARY, enzymology/ *OVARY, metabolism/ OVARY, physiology/ *PREGNANES, biosynthesis/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ *TESTOSTERONE, biosynthesis/ THYMECTOMY/ THYMUS GLAND, physiology/ TISSUE CULTURE/ TRITIUM

3035. **Nissen G:** Depressionen und Suizidalität in der Pubertät. Z Allgemeinmed 49:435-9, 10 Apr 73 (Ger)
ADOLESCENCE/ ADOLESCENT PSYCHIATRY/ *DEPRESSION, occurrence/ HUMAN/ MENTAL PROCESSES/ *PUBERTY/ *SUICIDE, occurrence

3036. **Niswender GD, Spies HG:** Serum levels of luteinizing hormone, follicle-stimulating hormone and progesterone throughout the mentrual cycle of rhesus monkeys.
J Clin Endocrinol Metab 37:326-8, Aug 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ MACACA/ MONKEYS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

3037. **Nocenti MR, Cizek LJ:** Influence of estrogen on renal function and water intake in male rabbits rendered polyuric-polydipsic by food deprivation.
Endocrinology 93:925-31, Oct 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ *DIURESIS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ *FOOD DEPRIVATION/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ *KIDNEY, drug effects/ MALE/ *POLYURIA/ RABBITS/ *THIRST/ TIME FACTORS

3038. **Nocke-Finck L, Breuer H, Reimers D:** Wirkung von Rifampicin auf den Menstruationszyklus und die Ostrogenausscheidung bei Einnahme oraler Kontrazeptiva.
Dtsch Med Wochenschr 98:1521-3, 11 Aug 73 (Ger)
ADOLESCENCE/ ADULT/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ ETHAMBUTOL, therapeutic use/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ ISONIAZID, therapeutic use/ *MENSTRUATION DISORDERS, chemically induced/ PREGNANCY/ *RIFAMPIN, adverse effects/ RIFAMPIN, therapeutic use/ STREPTOMYCIN, therapeutic

use/ TUBERCULOSIS, PULMONARY, drug therapy

3039. **Noda S, Nozaki K, Nishizawa Y, et al:** Preventive effect of salmon calcitonin on restraint-induced gastric ulcer in rats. Endocrinol Jap 20:89-90, Feb 73
ANIMAL EXPERIMENTS/ MALE/ RATS/ SALMON/ STOMACH ULCER, etiology/ *STOMACH ULCER, prevention & control/ STRESS, complications/ *THYROCALCITONIN, therapeutic use/ TIME FACTORS

3040. **Noel-Dulieu M:** Dosage du sulfate d'androstérone en solution aqueuse par chromatographie en phase gaseuse.
Ann Biol Clin (Paris) 31:335-40, 1973 **(Fre)**
ALCOHOL, ETHYL/ *ANDROSTERONE, analysis/ CHROMATOGRAPHY, GAS/ ENGLISH ABSTRACT/ METHODS/ SOLUTIONS/ SULFATES

3041. **Noguchi T, Nishino M, Kido R:** Tryptophan 5-hydroxylase in rat intestine.
Biochem J 131:375-80, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ HYDROXYINDOLEACETIC ACID, biosynthesis/ *HYDROXYLASES, isolation & purification/ HYDROXYTRYPTOPHAN, biosynthesis/ INTESTINE, SMALL, anatomy & histology/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, enzymology/ IRON/ MALE/ PTERIDINES/ RATS/ SEMICARBAZIDES, pharmacodynamics/ SEROTONIN, biosynthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRYPTOPHAN HYDROXYLASE, isolation & purification/ TRYPTOPHAN HYDROXYLASE, metabolism

3042. **Nöldner H, Oettel M, Räche K:** Experimentelle Studien zur Brunstsynchronisation beim Schaf.
Arch Exp Veterinaermed 26:1019-29, Dec 72 **(Ger)**
ANIMAL EXPERIMENTS/ CHLORMADINONE, administration & dosage/ CHLORMADINONE, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION, drug effects/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ NORETHINDRONE, administration & dosage/ NORETHINDRONE, pharmacodynamics/ *SHEEP/ TIME FACTORS

3043. **Nolley DA:** Depression of agonistic behavior after diagonal band of Broca lesions in rats.
J Comp Physiol Psychol 84:365-9, Aug 73
AFFECT/ *AGGRESSION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTROSHOCK/ HOUSING, ANIMAL/ MALE/ NEURAL INTERCONNECTIONS, physiology/ PAIN/ RATS/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNICS

3044. **Nolte J, Horn K, Scriba PC:** Experimental thyrotoxicosis: effects of graded doses of T4 plus T3.
Acta Endocrinol [Suppl] (Kbh) 173:147, 1973
ANIMAL EXPERIMENTS/ BASAL METABOLISM/ BODY WEIGHT/ HEART, drug effects/ *HYPERTHYROIDISM, chemically induced/ LIVER, enzymology/ ORGAN WEIGHT/ RATS/ *THYROXINE, administration & dosage/ THYROXINE, blood/ *TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, blood

3045. **Nomura A:** [Ontogeny of the thymo-lymphatic tissue in domestic fowls. 1. Change of the organ weight]
Acta Med (Fukuoka) 42:167-74, Nov 72 **(Jap)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ BURSA OF FABRICIUS, growth & development/ CECUM, growth & development/ *CHICKENS, growth & development/ ENGLISH ABSTRACT/ FEMALE/ *LYMPHATIC SYSTEM, growth & development/ ORGAN WEIGHT/ OVARY, growth & development/ PITUITARY GLAND growth & development/ SPLEEN, growth & development/ *THYMUS GLAND, growth & development

3046. **Nomura T:** Carcinogenesis by urethan via mothe milk and its enhancement of transplacental carcinogenesis in mice. Cancer Res 33:1677-83, Jul
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *CARCINOGENS/ CYSTADENOMA, MUCINOUS, chemically induced/ FEMALE/ GESTATIONAL AGE/ HEPATOMA, chemically induced/ *LACTATION/ *LUNG NEOPLASMS, chemically induced/ MALE/ *MATERNAL-FETAL EXCHANGE/ MICE/ *MILK/ NEOPLASMS, EXPERIMENTAL, chemically induced/ OVARIAN CYSTS, chemically induced/ PREGNANCY/ *URETHANE/ UTERINE NEOPLASMS, chemically induced

3047. **Norgren R, Leonard CM:** Ascending central gustat pathways. J Comp Neurol 150:217-37, 15 Jul
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, anatomy & histology/ CEREBELLUM, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ *FACIAL NERVE, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ MALE/ MEDULLA OBLONGATA, anatomy & histology/ NERVE DEGENERATION/ NEURA INTERCONNECTIONS, anatomy & histology/ PONS, anatomy & histology/ PONS, physiology/ RATS/ *TASTE/ TEGMENTUM MESENCEPHALI, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology/ THALAMIC NUCLEI, physiology

3048. **Norman RL, Blake CA, Sawyer CH:** Estrogen-dependent 24-hour periodicity in pituit LH release in the female hamster.
Endocrinology 93:965-70, Oct 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HAMSTERS/ LH, blood/ *LH, secretion/ *PERIODICITY/ PHENOBARBITAL, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROGESTERONE, pharmacodynamics

3049. **Norris AD:** Idiopathic thrombocytopenic purpura identical twins. Br J Clin Pract 27:95-7, Mar
ADOLESCENCE/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ PREDNISONE, therapeu use/ PURPURA, THROMBOPENIC, drug therapy/ *PURPURA, THROMBOPENIC, familial & genetic

3050. **Norström A:** Subcellular distribution of neurophysi rats subjected to haemorrhage, salt-loading lactation and in rats with hereditary diabet insipidus (Brattleboro strain).
Z Zellforsch Mikrosk Anat 140:413-24, 1973
ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, familial & genetic/ DIABETES INSIPIDUS, physiopathology/ DIABETES INSIPIDUS, veterinary/ FEMALE/ HEMORRHAGE, metabolism/ LACTATION/ MALE/ *NEUROPHYSINS, analysis/ RATS/ *RATS/ RODENT DISEASES, physiopatholo SODIUM CHLORIDE/ SULFUR ISOTOPES/ TIME FACTORS

3051. **Nouel JP, Brunelle P, Segond G:** Le dosage d triiodothyronine sérique dans les nodules autono hyperfixants thyroïdiens.
Nouv Presse Med 2:1912, 14 Jul 73 **(F**
*GOITER, NODULAR, blood/ HUMAN/ *TRIIODOTHYRONINE, blood

3052. **Novák F, Kadlas M:** Některé problémy endometrió klinice. Cesk Gynekol 38:21-2, 1973 **(C**
ADULT/ *ENDOMETRIOSIS, diagnosis/ FEMALE/ HUMAN/ *OVARIAN NEOPLASM diagnosis

3053. **Novelli GP, Piscitelli P, Baccani A:** Effetto d

megadosi di cortisone sul microcircolo mesoappendicolare di ratto.
Minerva Anestesiol 39:220-7, May 73 (Ita)
ANIMAL EXPERIMENTS/ *APPENDIX, blood supply/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ MALE/ *MESENTERY, blood supply/ *MICROCIRCULATION, drug effects/ RATS

Novis BH, Kahn LB, Bank S: Alpha-chain disease in subSaharan Africa. Am J Dig Dis 18:679-88, Aug 73
ADOLESCENCE/ ADULT/ COBALT ISOTOPES/ FEMALE/ HEAVY CHAIN DISEASE, complications/ HEAVY CHAIN DISEASE, drug therapy/ *HEAVY CHAIN DISEASE, immunology/ HEAVY CHAIN DISEASE, pathology/ HEAVY CHAIN DISEASE, radiotherapy/ HUMAN/ IGA/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULIN FRAGMENTS/ INTESTINAL ABSORPTION/ INTESTINAL NEOPLASMS, complications/ INTESTINAL NEOPLASMS, pathology/ JEJUNUM, pathology/ LYMPH NODES, pathology/ LYMPHOMA, pathology/ MALABSORPTION SYNDROMES, complications/ MALE/ PREDNISONE, therapeutic use/ SARCOMA, RETICULUM CELL, pathology/ SOUTH AFRICA

Novy MJ, Cook MJ: Redistribution of blood flow by prostaglandin F2alpha in the rabbit ovary.
Am J Obstet Gynecol 117:381-5, 1 Oct 73
ANIMAL EXPERIMENTS/ ARTERIES/ BLOOD PRESSURE, drug effects/ CARBON DIOXIDE, blood/ CARDIAC OUTPUT, drug effects/ CORPUS LUTEUM, blood supply/ CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ HEART RATE, drug effects/ HYDROGEN-ION CONCENTRATION/ MICROSPHERES/ OVARY, anatomy & histology/ *OVARY, blood supply/ OVARY, drug effects/ OXYGEN, blood/ *PROSTAGLANDINS, pharmacodynamics/ PSEUDOPREGNANCY/ RABBITS/ REGIONAL BLOOD FLOW, drug effects/ TIME FACTORS/ VASCULAR RESISTANCE, drug effects

Nowaczynski W, Kuchel O, Lebel M, et al: Les minéralocorticoïdes et l'hypertension essentielle.
Union Med Can 102:846-56, Apr 73 (127 ref.) (Fre)
*ADRENAL GLANDS, physiopathology/ ALDOSTERONE/ CORTICOSTERONE/ DESOXYCORTICOSTERONE/ DIET/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, physiopathology/ *MINERALOCORTICOIDS/ NEGROES/ NORTH AMERICA/ PROGESTERONE/ REVIEW/ SODIUM CHLORIDE

Nowakowski H, Montz R, Mischke W, et al: Differential diagnosis of female hirsutism, Cushing's and Conn's syndrome. Quantitative sequential scintigraphy of the adrenals with 131-J-19-iodocholesterol.
Acta Endocrinol [Suppl] (Kbh) 173:171, 1973
ADENOMA, diagnosis/ ADRENAL GLAND NEOPLASMS, diagnosis/ CHOLESTEROL, metabolism/ CORTICOTROPIN, diagnostic use/ *CUSHING'S SYNDROME, diagnosis/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, diagnostic use/ FEMALE/ *HIRSUTISM, diagnosis/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ IODINE ISOTOPES/ RADIOISOTOPE SCANNING/ STIMULATION, CHEMICAL

Nowosad K: Perspektywy chirurgicznego leczenia raka ajnika. Ginekol Pol 44:805-7, Jul 73 (Pol)
FEMALE/ HUMAN/ METHODS/ OVARIAN NEOPLASMS, classification/ *OVARIAN NEOPLASMS, surgery/ PALLIATIVE TREATMENT/ TIME FACTORS

zaki Y: Adrenokortikales Hormon auf die Lunge ach Unterbindung ihrer Vene.
onago Acta Med 16:191-214, Feb 73 (Ger)
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ EXUDATES AND TRANSUDATES/ LIGATION/ *LUNG, drug effects/ LUNG, pathology/ *PREDNISOLONE, pharmacodynamics/ PULMONARY VEINS

3060. **Nozu K, Tamaoki B:** Testosterone metabolism in subcellular fractions of rat prostate.
Acta Endocrinol (Kbh) 73:585-98, Jul 73
ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYTOSOL, enzymology/ 17-HYDROXYCORTICOSTEROIDS, biosynthesis/ IN VITRO/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *OXIDOREDUCTASES, metabolism/ PROSTATE, cytology/ *PROSTATE, enzymology/ PROSTATE, metabolism/ RATS/ STANOLONE, biosynthesis/ STEROLS, biosynthesis/ *SUBCELLULAR FRACTIONS, enzymology/ *TESTOSTERONE, metabolism/ TRITIUM

3061. **Numano F, Yamasawa S, Takano T, et al:** On the mechanism of antiatherosclerotic agents: microchemical studies on the in vitro effects of pyridinol carbamate and estrogen (premarin) on phosphofructokinase and malate dehydrogenase in the arterial wall. Mech Ageing Dev 2:43-53, Apr-May 73
*ANTILIPEMIC AGENTS, pharmacodynamics/ *CARBAMATES/ CELL MEMBRANE PERMEABILITY, drug effects/ CHILD/ CHROMATOGRAPHY, GAS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, metabolism/ ESTROGENIC SUBSTANCES, CONJUGATED, blood/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *FEMORAL ARTERY, drug effects/ FEMORAL ARTERY, enzymology/ FLUOROMETRY/ HUMAN/ IN VITRO/ *MALATE DEHYDROGENASE, metabolism/ MASS SPECTRUM ANALYSIS/ METHODS/ *PHOSPHOFRUCTOKINASE, metabolism/ PYRIDINOLCARBAMATE, blood/ PYRIDINOLCARBAMATE, pharmacodynamics/ STIMULATION, CHEMICAL

3062. **Nussberger J, Beckerhoff R, Vetter W, et al:** A simple and sensitive radioimmunoassay for plasma angiotensin II.
Acta Endocrinol [Suppl] (Kbh) 173:157, 1973
ALCOHOL, ETHYL/ *ANGIOTENSIN, blood/ BUFFERS/ EDTA/ HUMAN/ HYPERALDOSTERONISM, blood/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

3063. **Nutter DO, Ratts T:** Direct actions of prostaglandins E1, A1, F2 on myocardial contraction.
Prostaglandins 3:323-36, Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUINEA PIGS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ *HEART RATE, drug effects/ HEART VENTRICLE, drug effects/ HISTAMINE, pharmacodynamics/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ PAPILLARY MUSCLES, drug effects/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ TACHYPHYLAXIS, drug effects/ TIME FACTORS/ TOADS

3064. **Nuzzaci G, Bianucci G, Voegelin MR:** Variazione diurne della glicemia e della cortisolemia in obesi essenziali ed in sogget ti normali durante il digiuno.
Folia Endocrinol (Roma) 25:435-49, Dec 72 (Ita)
ADOLESCENCE/ ADULT/ *BLOOD SUGAR/ BODY HEIGHT/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ DIABETES MELLITUS, blood/ ENGLISH ABSTRACT/ FASTING/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ KETONE BODIES, urine/ MALE/ MIDDLE AGE/ *OBESITY, blood/ OBESITY IN DIABETES, blood/ PHOSPHORUS, blood/ TRIGLYCERIDES, blood

3065. **Nyhan WL:** Malformation syndromes in human genetic disease. Plast Reconstr Surg 52:237-45, Sep 73
*ABNORMALITIES, familial & genetic/ ABNORMALITIES, MULTIPLE/ AUTOSOME ABNORMALITIES/ BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ CLEIDOCRANIAL DYSOSTOSIS, familial & genetic/ DWARFISM/ ENDOCRINE DISEASES/ EYE NEOPLASMS/ EYELIDS, abnormalities/ FEMALE/ FIBROUS DYSPLASIA OF BONE/ HUMAN/ LESCH-NYHAN SYNDROME/ MALE/ MANDIBULOFACIAL DYSOSTOSIS/ MONGOLISM/ MOUTH ABNORMALITIES/ MUSCULAR DYSTROPHY/ PEDIGREE/ PIGMENTATION DISORDERS/ SEX CHROMOSOME ABNORMALITIES/ TRANSFERASES

3066. **Nylander PP:** Serum levels of gonadotrophins in relation to multiple pregnancy in Nigeria.
J Obstet Gynaecol Br Commonw 80:651-3, Jul 73
FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MENSTRUATION/ NIGERIA/ OVULATION/ PREGNANCY/ *PREGNANCY, MULTIPLE/ RADIOIMMUNOASSAY/ TIME FACTORS/ TWINS

O

3067. **O SK, Travis J, Brewer JM:** Cysteines in yeast enolase.
Biochim Biophys Acta 310:421-9, 15 Jun 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ BENZOATES/ CARBON ISOTOPES/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ CYSTEINE, analysis/ DANSYL COMPOUNDS/ DISULFIDES/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, PAPER/ IODOACETATES/ KINETICS/ MACROMOLECULAR SYSTEMS/ MERCURY/ NITRO COMPOUNDS/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PHOSPHOPYRUVATE HYDRATASE, analysis/ PHOSPHOPYRUVATE HYDRATASE, antagonists & inhibitors/ *SACCHAROMYCES CEREVISIAE, enzymology/ THIOCYANATES/ TRYPSIN/ UREA

3068. **Oakley GP Jr, Flynt JW Jr, Falek A:** Hormonal pregnancy tests and congenital malformations.
Lancet 1:256-7, 4 Aug 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ CLEFT LIP, chemically induced/ CLEFT PALATE, chemically induced/ FEMALE/ HEART DEFECTS, CONGENITAL, chemically induced/ HORMONES, adverse effects/ HUMAN/ INFANT, NEWBORN/ NERVOUS SYSTEM, abnormalities/ PREGNANCY/ *PREGNANCY TESTS, adverse effects/ PREGNANCY TESTS, IMMUNOLOGIC, adverse effects

3069. **Oashi T, Yukimura Y, Kobayashi R, et al:** An increase of thyroid hormone secretion in response to excess iodide in rats treated with thyroxine.
Endocrinology 93:880-6, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ *POTASSIUM IODIDE, pharmacodynamics/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, physiology/ *THYROID HORMONES, blood/ THYROIDECTOMY/ THYROXINE, blood/ *THYROXINE, pharmacodynamics

3070. **Oba M:** Effects of caffeine on tension development in dog papillary muscle under voltage clamp.
Jap J Physiol 23:47-58, Feb 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ DOGS/ HEART VENTRICLE/ IN VITRO/ MEMBRANE POTENTIALS/ *MUSCLE TONUS, drug effects/ PAPILLARY MUSCLES, drug effects

3071. **O'Brien JS, Miller AL, Loverde AW, et al:** Sanfilippo disease type B: enzyme replacement and metab correction in cultured fibroblasts.
Science 181:753-5, 24 Aug 73
CARBOHYDRATE METABOLISM, INBORN ERRORS, drug therapy/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, enzymolc CELLS, CULTURED/ FIBROBLASTS/ GLUCOSAMINIDASE, isolation & purificatic *GLUCOSAMINIDASE, metabolism/ GLUCOSAMINIDASE, therapeutic use/ HUMAN/ MENTAL RETARDATION, drug therapy/ *MENTAL RETARDATION, enzymology/ MUCOPOLYSACCHARIDES, biosynthesis/ *MUCOPOLYSACCHARIDES, metabolism/ PLACENTA, enzymology/ SKI SULFATES, metabolism/ SULFUR ISOTOPI

3072. **Ochi Y, Shiomi K, Hachiya T, et al:** Dextran-co charcoal technique to make the hormone-free se as a diluent for standard curve of radioimmunoa
Endocrinol Jap 20:1-7, Feb 73
ADSORPTION/ ANGIOTENSIN, blood/ CHARCOAL/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ DEXTRAN/ GONADOTROPINS, CHORIONIC, blood/ *HORMONES, blood/ HUMAN/ INSULIN, blood/ METHODS/ *RADIOIMMUNOASSAY, standards/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ THYROXINE, bloo TRIIODOTHYRONINE, blood

3073. **O'Connor JJ, Stillions MC, Reynolds WA, et** Evaluation of boldenone undecylenate as an anal agent in horses. Can Vet J 14:154-8, Jul
*ANABOLIC STEROIDS, pharmacodynamics, *ANDROSTENES, therapeutic use/ ANIMAI EXPERIMENTS/ BODY WEIGHT/ EVALUATION STUDIES/ FEMALE/ HORSI DISEASES, drug therapy/ *HORSES, growt development/ HYDROXYSTEROIDS, therapeutic use/ KETOSTEROIDS, therapeu use/ MALE/ UNDECYLENIC ACID, therapeutic use

3074. **Octavio de Toledo C:** Anestesia y reanimación e feocromocitoma.
Rev Esp Anestesiol Reanim 20:261-72, Jul 73 (
ADULT/ *ANESTHESIA, INTRATRACHEAI ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *PHEOCHROMOCYTOMA, surg PREANESTHETIC MEDICATION/ PREOPERATIVE CARE/ *THIOPENTAL

3075. **Oddie TH, Boyd CM, Fisher DA, et al:** Incidence of and symptoms in thyroid disease.
Med J Aust 2:981-6, 28 Oct 72
ANTI-ANTIBODIES, analysis/ BLOOD SEDIMENTATION/ DEGLUTITION DISORDERS, complications/ DIAGNOSIS, COMPUTER ASSISTED/ ERYTHROCYTES, immunology/ GOITER, complications/ HEMAGGLUTINATION TESTS/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC, metabol LEUKOCYTE COUNT/ PROBABILITY/ RADIOISOTOPE SCANNING/ THYROID DISEASES, complications/ *THYROID DISEASES, diagnosis/ THYROID GLAND, metabolism/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

3076. **Oelkers W, Marsen B, Molzahn M, et al:** Relation between weight changes and renin, aldoste estrogens and progesterone in cyclical ede
Acta Endocrinol [Suppl] (Kbh) 173:159, 19
*ALDOSTERONE, urine/ ANGIOTENSIN, blood/ *BODY WEIGHT/ *EDEMA/ *ESTROGENS, urine/ FEMALE/ HUMAN/ MENSTRUATION/ NOREPINEPHRINE, blo OVULATION/ POSTURE/ POTASSIUM, uri *PROGESTERONE, blood/ *RENIN, blood/ SODIUM, urine

3077. **Oertel GW, Benes P:** Inhibition of glucose-6-phos dehydrogenase by synthetic steroids and st conjugates.
Acta Endocrinol [Suppl] (Kbh) 173:114, 19
*ANDROSTENES, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ ERYTHROCYTES, enzymology/ *GLUCOSEPHOSPHATE

DEHYDROGENASE, antagonists & inhibitors/ HUMAN/ METHODS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

3078. **Oettel M, Albrecht G, Stölzner W:** Endokrinologische und klinische Befunde bei der Anwendung von Ostriol in der Kleintierpraxis.
Arch Exp Veterinaermed 26:1053-60, Dec 72 **(Ger)**
ANIMAL EXPERIMENTS/ CASTRATION/ DOGS/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ EPITHELIUM, drug effects/ *ESTRIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ *PITUITARY GLAND, drug effects/ TESTOSTERONE, pharmacodynamics/ VAGINA, drug effects/ VALERATES, pharmacodynamics

3079. **Oettel M, Stölzner W, Zieger B, et al:** Endokrinologische Studien an parabiotischen Ratten mit TURISYNCHRON (Metallibur) und TURISYNCHRON-Z. 1. Befunde an intakten Parabionten.
Arch Exp Veterinaermed 26:939-47, Dec 72 **(Ger)**
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, metabolism/ HYDRAZINES, pharmacodynamics/ MALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ *PARABIOSIS/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, drug effects/ RATS/ *THIOUREA, pharmacodynamics/ UTERUS, anatomy & histology/ UTERUS, drug effects

3080. **Oga S, Cebrian C, Reis A, et al:** Efeito indutivo de 3-metilcolantreno e tiroxina no metabolismo in vitro da anilina e da N-metilbenzoilanilina.
Rev Bras Pesqui Med Biol 6:125-30, May-Aug 73 **(Por)**
*ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOTRANSFORMATION, drug effects/ BODY WEIGHT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *LIVER, metabolism/ MALE/ *METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, metabolism/ ORGAN WEIGHT/ RATS/ SEX FACTORS/ *THYROXINE, pharmacodynamics

3081. **Ogata M, Watanabe S, Tateishi J, et al:** Distribution of radioactive clioquinol in animals.
Lancet 1:1248-9, 2 Jun 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATS/ CENTRAL NERVOUS SYSTEM, metabolism/ DOGS/ IODINE ISOTOPES/ *IODOCHLORHYDROXYQUIN, metabolism/ ISOTOPE LABELING/ OPTIC NERVE, metabolism/ PITUITARY GLAND, metabolism/ RETINA, metabolism/ SCIATIC NERVE, metabolism

3082. **Ogawa R, Imai T, Fujita T:** [Use of methylprednisolone in the treatment of shock--experimental and clinical results]
Jap J Anesthesiol 22:311-9, Apr 73 **(Jap)**
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ GLUCURONIDASE, blood/ HUMAN/ *METHYLPREDNISOLONE, therapeutic use/ *SHOCK, drug therapy/ SHOCK, ENDOTOXIC, drug therapy/ SHOCK, HEMORRHAGIC, drug therapy

3083. **Ogawa T, Takeyoshi S, Mori H:** [Effects of diallyl-nor-toxiferin and pancuronium bromide on the circulatory system]
Jap J Anesthesiol 22:533-7, Jun 73 **(Jap)**
ADULT/ AGED/ *ANDROSTANES, pharmacodynamics/ BLOOD PRESSURE, drug effects/ *CURARE-LIKE AGENTS, pharmacodynamics/ ENGLISH ABSTRACT/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ MIDDLE AGE/ PANCURONIUM, pharmacodynamics/ *TOXIFERINE, pharmacodynamics

3084. **Ogihara T, Yamamoto T, Kumahara Y:** [Radioimmunoassay of plasma aldosterone and its clinical application]
Folia Endocrinol Jap 49:619-28, 20 Mar 73 **(Jap)**
*ALDOSTERONE, blood/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, blood/ POSTURE/ *RADIOIMMUNOASSAY/ RENIN, blood/ TRITIUM

3085. **Oh KS, Dorst JP, White JJ, et al:** Positive-contrast peritoneography and heriography.
Radiology 108:647-54, Sep 73
CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, radiography/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ DIATRIZOATE, administration & dosage/ FEMALE/ FLUOROSCOPY/ HUMAN/ HYDROCELE, radiography/ INFANT/ INGUINAL HERNIA, congenital/ *INGUINAL HERNIA, radiography/ MALE/ METHODS/ NEEDLES/ PERITONEAL CAVITY/ *PERITONEUM, radiography/ UROGRAPHY

3086. **O'Higgins NJ, Deshpande D, Burn JI:** In vivo uptake of labelled oestradiol by benign and malignant tumours of the human breast.
Br J Cancer 28:76, Jul 73
*BREAST NEOPLASMS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ MENOPAUSE/ TRITIUM

3087. **Ohlson L:** Non-pregnant anatomy of the posterior abdominal wall as reflected in the course of the ovarian vessels and ureter. Roentgenographic, statistical and anatomic investigation.
Acta Radiol [Diagn] (Stockh) 14:145-56, Jan 73
*ABDOMINAL WALL, anatomy & histology/ ABDOMINAL WALL, pathology/ ADOLESCENCE/ ADULT/ ANGIOGRAPHY/ AORTA, anatomy & histology/ AORTA, pathology/ ARTERIES, anatomy & histology/ ARTERIES, pathology/ AUTOPSY/ FEMALE/ HUMAN/ OVARY, anatomy & histology/ OVARY, pathology/ OVARY, radiography/ PHLEBOGRAPHY/ *URETER, anatomy & histology/ URETER, radiography/ UROGRAPHY/ VEINS, anatomy & histology/ VEINS, pathology/ VENAE CAVAE, anatomy & histology/ VENAE CAVAE, pathology

3088. **Ojeda SR, McCann SM:** Evidence for participation of a catecholaminergic mechanism in the post-castration rise in plasma gonadotropins.
Neuroendocrinology 12:295-315, 1973
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ CARBAMATES, pharmacodynamics/ *CASTRATION/ DOPA, pharmacodynamics/ *DOPAMINE, metabolism/ *FSH, blood/ *LH, blood/ MALE/ METHYLTYROSINES, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ PIMOZIDE, pharmacodynamics/ PRONETHALOL, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ RECEPTORS, ADRENERGIC/ SERINE, pharmacodynamics

3089. **Okabayashi N:** [Cyclic AMP]
Clin Endocrinol (Tokyo) 21:287-92, Mar 73 (16 ref.) **(Jap)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGENS/ BINDING, COMPETITIVE/ HAPTENS/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ METHODS/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ REVIEW/ SERUM ALBUMIN/ SUCCINATES/ TEMPERATURE/ TIME FACTORS/ TRITIUM

3090. **Okada K, Kosugi I, Yamaguchi Y, et al:** [Effects of a steroid on blood circulation in endotoxic shock]
Jap J Anesthesiol 22:519-26, Jun 73 **(Jap)**
ANIMAL EXPERIMENTS/ *BLOOD CIRCULATION, drug effects/ DOGS/ ENGLISH ABSTRACT/ MALE/ *METHYLPREDNISOLONE, pharmacodynamics/ *SHOCK, ENDOTOXIC, physiopathology

3091. **Okaisabor JA**: Assessment of masculinity and femininity. Niger Nurse 5:30-2, Jan-Mar 73
CULTURE/ NIGERIA/ SEX CHARACTERISTICS/ SEX DETERMINATION/ SOCIALIZATION/ SPECIAL LIST NURSING

3092. **Okamoto M, Komatsu T**: [Diurnal rhythm of aldosterone in the blood]
Clin Endocrinol (Tokyo) 21:409-12, Apr 73 (Jap)
ADULT/ *ALDOSTERONE, blood/ *CIRCADIAN RHYTHM/ HUMAN/ MALE/ RADIOLIGAND ASSAY

3093. **Okong'o O, Manasseh PK**: The pressor effects of application of digoxin to the carotid sinus.
East Afr Med J 50:33-7, Jan 73
ALDOSTERONE/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CAROTID SINUS, drug effects/ *CAROTID SINUS, drug effects/ COMPARATIVE STUDY/ DIGOXIN, adverse effects/ *DIGOXIN, pharmacodynamics/ HYPERTENSION, chemically induced/ MALE/ RABBITS

3094. **Oksanen A**: Congenital defects in Finnish calves.
Nord Vet Med 24:156-61, Mar 72
ABNORMALITIES/ *ABNORMALITIES, MULTIPLE, veterinary/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CATTLE/ *CATTLE DISEASES/ CLEFT PALATE, veterinary/ CRYPTORCHISM, veterinary/ EDEMA/ EXTREMITIES, abnormalities/ FINLAND/ HEART SEPTAL DEFECTS, VENTRICULAR, veterinary/ HYDROCEPHALUS, veterinary/ JAW ABNORMALITIES, veterinary/ SPINE, abnormalities

3095. **Oksanen A, Sittnikow K**: Familjär nefropati med sekundär hyperparathyreoidism hos tre unghundar.
Nord Vet Med 24:278-80, May 72 (Swe)
ANIMAL EXPERIMENTS/ BONE CYST/ *DOG DISEASES, familial & genetic/ DOGS/ ENGLISH ABSTRACT/ HYPERPARATHYROIDISM, familial & genetic/ *HYPERPARATHYROIDISM, veterinary/ KIDNEY, pathology/ KIDNEY, radiography/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, familial & genetic/ *KIDNEY DISEASES, veterinary/ PARATHYROID GLANDS, pathology/ UREMIA

3096. **Okuda H, Fuji S**: Studies on hormone-sensitive lipase and lipoprotein lipase in adipose tissue.
J Biochem (Tokyo) 73:1195-203, Jun 73
*ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ EPIDIDYMIS/ ESTERASES/ *HORMONES/ IMMUNOELECTROPHORESIS/ LIPASE/ *LIPOPROTEIN LIPASE/ LIVER, enzymology/ MALE/ RATS

3097. **Okudaira Y, Hayakawa K, Hamanaka N, et al**: Human placental villi: scanning electron-microscopic observations.
Acta Obstet Gynaecol Jap 19:109-17, Apr 72
FEMALE/ HUMAN/ HYDATIDIFORM MOLE, pathology/ MICROSCOPY, ELECTRON, SCANNING/ *PLACENTA, cytology/ PLACENTA, pathology/ PREGNANCY/ TIME FACTORS

3098. **Okumura H, Namba S, Matsushima S**: Purification and some properties of human urinary follicle stimulating hormone. Endocrinol Jap 20:97-101, Apr 73
AMINO ACIDS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ FEMALE/ FSH, isolation & purification/ *FSH, urine/ GEL FILTRATION/ HUMAN/ MENOPAUSE

3099. **Okumura H, Namba S, Matsushima S**: An improved purification of human chorionic gonadotropin.
Endocrinol Jap 20:67-71, Feb 73
AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CARBOHYDRATES, analysis/ CENTRIFUGATION/ CHROMATOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GONADOTROPINS, CHORIONIC, analysis/ *GONADOTROPINS, CHORIONIC, isolation & purification/ HEMAGGLUTINATION INHIBITION TEST/ HUMAN/ METHODS

3100. **Olambiwonnu NO, Penny R, Frasier SD**: Th abscess in childhood. Pediatrics 52:465-7, Se
*ABSCESS/ CHILD, PRESCHOOL/ FEMAL HUMAN/ *THYROID DISEASES/ THYROI GLAND FUNCTION TESTS

3101. **Olds ME**: Short-term changes in the firing patte hypothalamic neurons during Pavlovian conditi
Brain Res 58:95-116, 17 Aug 73
ACOUSTIC STIMULATION/ ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CONDITIONING, CLASSICAL/ *HYPOTHALAMUS, physiology/ LEARNIN MALE/ *NEURAL TRANSMISSION/ NEURONS, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ REW

3102. **Olds ME, Ito M**: Noradrenergic and cholinergic on neuronal activity during self-stimulation bel in the rat. Neuropharmacology 12:525-39, Ju
ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ AMPHETAMINE, pharmacodynamics/ ANI EXPERIMENTS/ BRAIN CHEMISTRY, dru effects/ DRUG INTERACTIONS/ HYPOTHALAMUS, metabolism/ MALE/ MESENCEPHALON, drug effects/ MOTIVATION/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ SCOPOLAMINI pharmacodynamics/ *SELF STIMULATION drug effects/ *SYMPATHOMIMETICS, pharmacodynamics/ TETRABENAZINE, pharmacodynamics

3103. **O'Leary TP, Bemrick WJ, Johson KH**: Serial s analysis of cells in the microfilariae of Diro immitis containing neurosecretory-like gra
J Parasitol 59:701-5, Aug 73
ANIMAL EXPERIMENTS/ CELL NUCLEU CYTOPLASMIC GRANULES/ *DIROFILARIASIS/ DOGS/ *FILARIOIDE cytology/ HISTOLOGICAL TECHNICS/ M MICROSCOPY, ELECTRON/ NEUROSECRETORY SYSTEMS, cytology

3104. **Olin R**: When should you consider a cortisone Med Times 100:64-9, Sep 72
ADRENAL GLAND HYPOFUNCTION, dru therapy/ CORTICOTROPIN, blood/ CORTICOTROPIN, therapeutic use/ *CORTISONE, administration & dosage/ HUMAN/ PREOPERATIVE CARE/ TIME FACTORS

3105. **Olinici CD**: Further data on the common ori various stem-lines in human tumors.
Cytologia (Tokyo) 38:271-6, Jun 73
CELL LINE/ *CHROMOSOMES/ FEMALE HUMAN/ KARYOTYPING/ MIDDLE AGE *OVARIAN NEOPLASMS, familial & gene

3106. **Olinici CD, Galatir N, Lazarov P, et al**: Chromoso malignant gynaecological effusions.
Neoplasma 20:311-24, 1973
*BREAST NEOPLASMS, familial & genet *CHROMOSOMES/ CYCLOPHOSPHAMIDE, therapeutic use/ *EXUDATES AND TRANSUDATES, cytology/ FEMALE/ HU KARYOTYPING/ MITOSIS/ OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, familial & genetic

3107. **Oliver JH Jr, Tanaka K, Sawada M**: Cytogene ticks (Acari: Ixodoidea). 12. Chromosome hybridization studies of bisexual and parthenog Haemaphysalis longicornis races from Japa Korea. Chromosoma 42:269-88, 28 Jun 73
ANEUPLOIDY/ ANIMAL EXPERIMENTS/ *CHROMOSOMES/ CROSSES, GENETIC/ DIPLOIDY/ EVOLUTION/ FEMALE/ *HYBRIDIZATION/ JAPAN/ KARYOTYPI

KOREA/ MALE/ *PARTHENOGENESIS/ POLYPLOIDY/ SEX CHROMOSOMES/ *TICKS

3108. **Olivier L, Vila-Porcile E, Peillon F, et al:** Etude en microscopie électronique des grains de sécrétion "basophiles" dans les cellules hypophysaires tumorales de la maladie de Cushing.
C R Soc Biol (Paris) 166:1591-5, 1972 **(Fre)**
*BASOPHILS/ *CUSHING'S SYNDROME, pathology/ HUMAN/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, pathology

3109. **Olivier L, Vila-Porcile E:** Les lames basales des cordons épithéliaux du lobe antérieur de l'hypophyse chez le rat. C R Soc Biol (Paris) 166:1413-7, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, cytology/ EPITHELIUM/ FEMALE/ METHODS/ *PITUITARY GLAND, cytology/ PROLACTIN, secretion/ RATS

3110. **Olney JW, Ho OL, Rhee V:** Brain-damaging potential of protein hydrolysates.
N Engl J Med 289:391-5, 23 Aug 73
ALANINE, administration & dosage/ ALANINE, adverse effects/ AMINO ACIDS, administration & dosage/ AMINO ACIDS, adverse effects/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, administration & dosage/ ASPARTIC ACID, adverse effects/ *BRAIN DAMAGE, CHRONIC, chemically induced/ CASEIN, administration & dosage/ CASEIN, adverse effects/ FIBRIN, administration & dosage/ FIBRIN, adverse effects/ GLUTAMATES, administration & dosage/ GLUTAMATES, adverse effects/ HUMAN/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, pathology/ INJECTIONS, SUBCUTANEOUS/ MICE/ NERVE DEGENERATION/ *PARENTERAL FEEDING/ PARENTERAL FEEDING, adverse effects/ PROTEIN HYDROLYSATES, administration & dosage/ *PROTEIN HYDROLYSATES, adverse effects/ SULFONIC ACIDS, administration & dosage/ SULFONIC ACIDS, adverse effects

3111. **Olson WG, Jorgensen NA, Bringe AN, et al:** 25-Hydroxycholecalciferol (25-OHD3). I. Treatment for parturient paresis. J Dairy Sci 56:885-8, Jul 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, therapeutic use/ CATTLE/ *CATTLE DISEASES, drug therapy/ FEMALE/ GLUCONATES, administration & dosage/ GLUCONATES, therapeutic use/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ HYPOCALCEMIA, drug therapy/ *HYPOCALCEMIA, veterinary/ INJECTIONS, INTRAVENOUS/ MAGNESIUM, blood/ PARALYSIS, drug therapy/ *PARALYSIS, veterinary/ PHOSPHORUS, blood/ PREGNANCY/ PUERPERAL DISORDERS, drug therapy/ *PUERPERAL DISORDERS, veterinary/ RECURRENCE

3112. **Olson WG, Jorgensen NA, Schultz LH, et al:** 25-Hydroxycholecalciferol (25-OHD3). II. Efficacy of parenteral administration in prevention of parturient paresis. J Dairy Sci 56:989-95, Jul 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ CALCIUM, blood/ CATTLE/ CATTLE, metabolism/ *CATTLE DISEASES, prevention & control/ CLINICAL RESEARCH/ FEMALE/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ HYPOCALCEMIA, prevention & control/ *HYPOCALCEMIA, veterinary/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ MAGNESIUM, blood/ PARALYSIS, prevention & control/ *PARALYSIS, veterinary/ PHOSPHORUS, blood/ PREGNANCY/ PUERPERAL DISORDERS, prevention & control/ *PUERPERAL DISORDERS, veterinary

3113. **Olsson R, Gorbman A:** A relationship between adrenergic blockage and the secretory process in cells of the pars intermedia of the frog Rana pipiens.
Gen Comp Endocrinol 21:138-47, Aug 73
ANIMAL EXPERIMENTS/ FROGS/ *MSH, secretion/ *PHENTOLAMINE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PROPRANOLOL, pharmacodynamics/ *RANA PIPIENS, physiology/ *RECEPTORS, ADRENERGIC, drug effects

3114. **Oltmans GA, Harvey JA:** LH syndrome and brain catecholamine levels after lesions of the nigrostriatal bundle. Physiol Behav 8:69-78, Jan 72
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ BRAIN CHEMISTRY/ DOPAMINE, analysis/ *DOPAMINE, metabolism/ *DRINKING/ DRINKING BEHAVIOR/ *EATING/ FOOD DEPRIVATION/ *GANGLIA, BASAL, physiology/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ SUBSTANTIA NIGRA, physiology/ TELENCEPHALON, analysis/ *TELENCEPHALON, metabolism/ WATER-ELECTROLYTE BALANCE

3115. **Omar AM:** Novel synthesis of 2-substituted aminobenzimidazoles from thiourea derivatives. The cyclodesulphurization of thio-compounds.
Pharmazie 27:798-9, Dec 72
*BENZIMIDAZOLES, chem synthesis/ CHEMISTRY/ CRYSTALLIZATION/ CYCLIZATION/ THIOUREA

3116. **Omel'chenko AP:** Aktivnost' renina plazmy i ekskretsiia al'dosterona u bol'nykh krupnoochagovym infarktom miokarda i ego oslozhneniiami.
Kardiologiia 13:35-41, 1973 **(Rus)**
ADULT/ AGED/ *ALDOSTERONE, urine/ ARRHYTHMIA, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ JUXTAGLOMERULAR APPARATUS, secretion/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, complications/ *MYOCARDIAL INFARCT, metabolism/ MYOCARDIAL INFARCT, urine/ POTASSIUM, blood/ *RENIN, blood/ SHOCK, CARDIOGENIC, complications/ SODIUM, blood/ TIME FACTORS

3117. **Ommaya AK:** Computerized axial tomography of the head: the EMI-scanner, a new device for direct examination of the brain "in vivo". Special article.
Surg Neurol 1:217-22, Jul 73
BRAIN, radiation effects/ *BRAIN, radiography/ BRAIN NEOPLASMS, radiography/ COMPUTERS, DIGITAL/ CRANIOPHARYNGIOMA, radiography/ GLIOBLASTOMA MULTIFORME, radiography/ HUMAN/ HYDROCEPHALUS, radiography/ RADIATION DOSAGE/ *TOMOGRAPHY, instrumentation

3118. **Omori Y:** [Problems in the toxicity test of hormones]
Clin Endocrinol (Tokyo) 20:851-5, Oct 72 (12 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ CARCINOGENS/ DOGS/ FETUS, drug effects/ HORMONES, adverse effects/ HORMONES, pharmacodynamics/ HORMONES, therapeutic use/ *HORMONES, toxicity/ HUMAN/ LETHAL DOSE 50/ METHODS/ NEOPLASMS, chemically induced/ RATS/ REPRODUCTION, drug effects/ REVIEW

3119. **Onaya T, Kotani M, Sato A, et al:** [Basedow's disease and cyclic AMP]
Clin Endocrinol (Tokyo) 21:303-5, Mar 73 **(Jap)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ LONG-ACTING THYROID STIMULATOR, physiology/ RADIOIMMUNOASSAY

3120. **Onaya T, Sato A, Otake M, et al:** [Stimulation of glucose oxidation and phospholipid synthesis in the pituitary gland by TRH]
Clin Endocrinol (Tokyo) 21:619-22, Jun 73 **(Jap)**

ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *GLUCOSE, metabolism/ IN VITRO/ OXIDATION-REDUCTION/ *PHOSPHOLIPIDS, biosynthesis/ *PITUITARY GLAND, metabolism/ STIMULATION, CHEMICAL/ SWINE/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

3121. **Ono S, Christian L, Attardi BJ, et al:** Modification of expression of the testicular feminization (Tfm) gene of the mouse by a "controlling element" gene. Nature [New Biol] 245:92-3, 19 Sep 73
ALLELES/ ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FEMALE/ *GENES/ GENES, STRUCTURAL/ GENETICS, BIOCHEMICAL/ GENOTYPE/ MALE/ MICE/ MUTATION/ PHENOTYPE/ PROTEINS/ RECEPTORS, HORMONE/ *TESTICULAR FEMINIZATION, familial & genetic/ TESTOSTERONE, metabolism

3122. **Onstad O, Wormstrand A:** Noen observasjoner vedrørende reproduksjon hos hoppe i Norge. Nord Vet Med 24:316-26, Jun 72 (Nor)
ABORTION, VETERINARY/ ANIMAL EXPERIMENTS/ CERVIX UTERI, microbiology/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ *FERTILITY/ *HORSES/ OVARY, physiology/ OVULATION/ *PREGNANCY, ANIMAL/ SEASONS/ STREPTOCOCCUS/ UTERUS, microbiology

3123. **Opalev LM:** Subskleral'noe vvedenie gidrokortizona i prednizolona pri nekotorykh keratitakh. Oftalmol Zh 28:178-80, 1973 (Rus)
ADOLESCENCE/ ADULT/ AGED/ CHOROID/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ *KERATITIS, drug therapy/ KERATITIS, DENDRITIC, drug therapy/ MIDDLE AGE/ *PREDNISOLONE, TOPICAL, therapeutic use/ SCLERA

3124. **Opitz JM:** Ocular anomalies in malformation syndromes.
Trans Am Acad Ophthalmol Otolaryngol 76:1193-202, Sep-Oct 72
ABNORMALITIES, MULTIPLE, classification/ ABNORMALITIES, MULTIPLE, diagnosis/ *ABNORMALITIES, MULTIPLE, familial & genetic/ ADULT/ ANEUPLOIDY/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES/ CHROMOSOMES, HUMAN, 13-15/ ENVIRONMENT/ *EYE, abnormalities/ FEMALE/ HUMAN/ INFANT/ MALE/ MYOPIA, complications/ MYOPIA, familial & genetic/ PEDIGREE/ RETINAL DETACHMENT, complications/ SEX CHROMOSOMES/ SYNDROME/ TRISOMY/ VARIATION (GENETICS)

3125. **Opsahl CA, Hatton GI:** Volitional ethanol increases during acquisition and extinction of avoidance responding. Physiol Behav 8:87-93, Jan 72
ADRENAL GLANDS, anatomy & histology/ *ALCOHOL DRINKING/ ALCOHOL, ETHYL, administration & dosage/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ *CONDITIONING, OPERANT/ CUES/ DRINKING/ *ELECTROSHOCK/ *EXTINCTION (PSYCHOLOGY)/ HOUSING, ANIMAL/ MALE/ ORGAN WEIGHT/ RATS/ REINFORCEMENT SCHEDULE/ STRESS, PSYCHOLOGICAL/ THYMUS GLAND, anatomy & histology/ WATER/ WATER DEPRIVATION

3126. **Order SE, Donahue V, Knapp R:** Immunotherapy of ovarian carcinoma. An experimental model. Cancer 32:573-9, Sep 73
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ ANTIGENS, NEOPLASM, analysis/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *DISEASE MODELS, ANIMAL/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ IMMUNE SERUMS, administration & dosage/ IMMUNOELECTROPHORESIS/ INJECTIONS, INTRAPERITONEAL/ MICE, INBRED C3H/ NEOPLASMS, EXPERIMENTAL, immunology/ NEOPLASMS, EXPERIMENTAL, therapy/ OVARIAN NEOPLASMS, immunology/ *OVARIAN NEOPLASMS, therapy/ RABBITS, immunology/ *SEROTHERAPY

3127. **Orehek J, Douglas JS, Lewis AJ, et al:** Prostaglandi regulation of airway smooth muscle tone. Nature [New Biol] 245:84-5, 19 Sep 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ BIOLOGICAL ASSAY/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology/ RATS/ STOMACH, drug effects/ TRACHEA, drug effects/ TRACHEA, metabolism/ *TRACHEA, physiology

3128. **Orestano F, Altwein JE:** Epitheineubildung in Organkulturen von menschlichen Prostataadenome Exp Pathol (Jena) 6:211-3, 1972 (Ge
CELLS, CULTURED, growth & development/ CULTURE MEDIA/ ENGLISH ABSTRACT/ *EPITHELIAL CELLS, growth & developmen HUMAN/ IN VITRO/ MALE/ METHODS/ METHYLCHOLANTHRENE/ *PROSTATIC HYPERTROPHY, pathology/ TESTOSTERONE *TISSUE CULTURE

3129. **Orlandi F, Serra D, Masetti E:** Elettrostimolazione nervo olfattivo e diuresi.
Folia Endocrinol (Roma) 26:152-60, Apr 73 (I
ADULT/ *DIURESIS/ *ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY/ HUMAN/ HYPOTHALAMUS, physiology/ MALE/ NEUROSECRETION/ OLFACTORY BULB, physiology/ *OLFACTORY NERVE, physiolog PITUITARY-ADRENAL SYSTEM/ VASOPRESSIN, blood/ VASOPRESSIN, secretion/ VASOPRESSIN, urine

3130. **Ormea F, Gargovic A:** The dermatotrophic activity nandrolone decanoate in eczema.
Br J Clin Pract 27:261-4, Jul 73
ADULT/ AGED/ CLINICAL RESEARCH/ *DERMATITIS, drug therapy/ DEXAMETHASONE, antagonists & inhibitors DEXAMETHASONE, therapeutic use/ *ECZEMA, drug therapy/ HUMAN/ LEG ULCER, drug therapy/ MIDDLE AGE/ *NANDROLONE, administration & dosage/ NANDROLONE, pharmacodynamics/ NANDROLONE, therapeutic use

3131. **Orsi L, Denari JH, Nagle CA, et al:** Effects of melat on the synthesis of proteins by the rat hypothalan hypophysis and pineal organ.
J Endocrinol 58:131-2, Jul 73
ANIMAL EXPERIMENTS/ *HYPOTHALAMU drug effects/ INDOLES/ LEUCINE, metabolism/ MALE/ *MELATONIN, pharmacodynamics/ *PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ *PITUITARY GLAND, drug effects/ *PROTEINS, biosynthesis/ RATS/ TRANSFERASES/ TRITIUM

3132. **Orth DN, Nicholson WE, Mitchell WM, et al:** Biol and immunologic characterization and physi separation of ACTH and ACTH fragments in ectopic ACTH syndrome.
J Clin Invest 52:1756-69, Jul 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY, BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, isolation & purification CUSHING'S SYNDROME, blood/ GEL FILTRATION/ *HORMONES, ECTOPIC/ HUMAN/ IODINE ISOTOPES/ MOLECULA WEIGHT/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS

133. **Osawa M, Kimura N, Endo H:** Improvement by exogenous cyclic AMP of hereditary vasopressin-resistant diuresis in mice with normal adenyl cyclase system of the kidney cells.
Endocrinol Jap 20:77-80, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, familial & genetic/ DIURESIS, drug effects/ DRUG RESISTANCE/ FEMALE/ *KIDNEY, enzymology/ MICE/ OSMOSIS, drug effects/ SYNDACTYLIA, complications/ URINE, drug effects/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, therapeutic use/ WATER

134. **Osborne NN:** Serotonin, free amino-acids, and related substances occurring in the blood and nervous tissue of Helix aspersa (gastropoda mollusca).
Comp Gen Pharmacol 3:171-7, Jun 72
AMINO ACIDS, blood/ *AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHROMATOGRAPHY/ DANSYL COMPOUNDS, analysis/ GANGLIA, metabolism/ IN VITRO/ *NERVOUS SYSTEM, metabolism/ SEROTONIN, blood/ *SEROTONIN, metabolism/ *SNAILS, physiology/ TRYPTAMINES, metabolism

135. **Osborne NW, Briel G, Neuhoff V:** The amine and amino acid composition in the Retzius cells of the leech Hirudo medicinalis. Experientia 28:1015-8, 15 Sep 72
*AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ DANSYL COMPOUNDS/ GANGLIA, analysis/ GANGLIA, cytology/ *LEECHES, analysis/ MICROCHEMISTRY/ *NEURONS, analysis/ *SEROTONIN, analysis

136. **Oshima K, Matsumoto K:** Absorption of prostaglandin E2 and uterine sensitivity of the non-pregnant and pregnant monkey in vivo.
Prostaglandins 3:447-55, Apr 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ ESTRUS, drug effects/ FEMALE/ HEART RATE, drug effects/ INJECTIONS, INTRAVENOUS/ LABOR, drug effects/ MACACA/ MONKEYS/ *MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, pharmacodynamics/ PUERPERIUM, drug effects/ RADIOIMMUNOASSAY/ RESPIRATION, drug effects/ TIME FACTORS/ TRITIUM/ *UTERUS, drug effects

137. **Ostachowicz M, Jettmar A, Laukienicki A:** Próba leczenia zespołu Sjögrena hormonami płciowymi żeńskimi.
Wiad Lek 26:1075-7, 1 Jun 73 (Pol)
ADULT/ AGED/ DIETHYLSTILBESTROL, therapeutic use/ ENGLISH ABSTRACT/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PROGESTERONE, therapeutic use/ *SJOGREN'S SYNDROME, drug therapy

138. **Oster P, Homsy E, Möhring B, et al:** Long-term ADH-treatment of rats with genetic diabetes insipidus.
Acta Endocrinol [Suppl] (Kbh) 173:154, 1973
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *DIABETES INSIPIDUS, drug therapy/ FEEDBACK/ HEMATOCRIT/ HETEROZYGOTE/ MALE/ RADIOIMMUNOASSAY/ RATS/ SODIUM, blood/ TIME FACTORS/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, therapeutic use/ WATER-ELECTROLYTE BALANCE, drug effects

139. **Ostermann L, Smidt D:** Untersuchungen über Ablauf und Beeinflubetabarkeit der sexuellen Entwicklung bei weiblichen Schweinen. 3. Versuche zur Ovulationsinduktion und Eigewinnung bei weiblichen Schweinen der Deutschen Landrasse im Alter von 15 Wochen.
Dtsch Tieraerztl Wochenschr 80:294-7, 1 Jun 73 (Ger)
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ OVARY, drug effects/ OVULATION, drug effects/ *SWINE, physiology

3140. **Ostermann L, Smidt D:** Untersuchungen über Ablauf und Beeinflussbarkeit der sexuellen Entwicklung bei weiblichen Schweinen. I. Die Altersschwelle für das ovarielle Ansprechen auf gonadotrope Stimulierung.
Dtsch Tieraerztl Wochenschr 80:197-202, 1 May 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *OVARY, drug effects/ *SWINE

3141. **Ostermann L, Smidt D:** Untesuchungen über Ablauf und Beeinflubbbarkeit der sexuellen Entwicklung bei weiblichen schweinen. II. Der Effekt einer steroidinduzzierten Entwicklung des Genitaltrakts auf die Wirkung gonadotroper Stimulierung bei infantilen weiblichen Schweinen.
Dtsch Tieraerztl Wochenschr 80:228-31, 15 May 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ *GENITALIA, FEMALE, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *SWINE

3142. **O'Sullivan BM, Donald AD:** Responses to infection with Haemonchus contortus and Trichostrongylus colubriformis in ewes of different reproductive status. Int J Parasitol 3:521-30, Jul 73
ABOMASUM, immunology/ ANIMAL EXPERIMENTS/ EOSINOPHILS, cytology/ EOSINOPHILS, immunology/ FECES/ FEMALE/ INTESTINE, SMALL, immunology/ LACTATION/ LEUKOCYTES, cytology/ LEUKOCYTES, immunology/ MAST CELLS, cytology/ MAST CELLS, immunology/ PARASITE EGG COUNT/ PREGNANCY/ PREGNANCY COMPLICATIONS, immunology/ PREGNANCY COMPLICATIONS, veterinary/ *REPRODUCTION/ SHEEP/ *SHEEP DISEASES, immunology/ TRICHOSTRONGYLOIDIASIS, immunology/ *TRICHOSTRONGYLOIDIASIS, veterinary

3143. **Oszczygiel A:** Der Ostrogenspiegel im peripheren Blut und im Harn in den letzten Tagen der Schwangerschaft, während der Geburt und im Woehenbett.
Zentralbl Gynaekol 95:646-51, 11 May 73 (Ger)
ESTRADIOL, blood/ ESTRADIOL, urine/ *ESTRIOL, blood/ ESTRIOL, urine/ *ESTROGENS, analysis/ ESTROGENS, blood/ ESTROGENS, urine/ *ESTRONE, blood/ ESTRONE, urine/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ *PREGNANCY/ *PUERPERIUM/ TIME FACTORS

3144. **Ota A, Sivalingam PN, Lin S, et al:** Isolation of naphthazarin from walnut "onigurumi" and its inhibitory action on oxidative phosphorylation in mitochondria. Toxicon 11:235-41, Apr 73
ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHROMATOGRAPHY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FISHES/ HYDROGEN, metabolism/ IN VITRO/ *MITOCHONDRIA, LIVER, drug effects/ NAPHTHOLS, analysis/ NAPHTHOLS, isolation & purification/ NAPHTHOLS, pharmacodynamics/ NAPHTHOLS, toxicity/

NAPHTHOQUINONES, analysis/ NAPHTHOQUINONES, isolation & purification/ *NAPHTHOQUINONES, pharmacodynamics/ NAPHTHOQUINONES, toxicity/ NUCLEAR MAGNETIC RESONANCE/ *OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHOSPHORUS ISOTOPES/ PLANTS/ RATS/ SPECTROPHOTOMETRY, INFRARED/ TOXINS, analysis/ TOXINS, isolation & purification/ *TOXINS, pharmacodynamics/ TOXINS, toxicity

3145. **Otake M, Sato A, Onaya TT, et al:** Effect of repeated administration of excess iodide on thyroid hormone secretion in rats, with special reference to the escape from the iodide effect. Endocrinology 93:343-7, Aug 73
ANIMAL EXPERIMENTS/ HALF-LIFE/ IODINE ISOTOPES/ MALE/ *POTASSIUM IODIDE, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, secretion/ *THYROID HORMONES, secretion/ THYROTROPIN, pharmacodynamics/ TIME FACTORS

3146. **Otaki M:** [Lymphocyte transformation test in Sjogren's syndrome and thyroid diseases]
Acta Haematol Jap 36:129-38, Apr 73 **(Jap)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ *SJOGREN'S SYNDROME, immunology/ *THYROID DISEASES, immunology

3147. **Otokida K, Kimura R, Ashino R, et al:** [Changes of the renin-angiotensin system in fasting rats]
Jap J Nephrol 15:1-10, Jan 73 **(Jap)**
ALDOSTERONE, pharmacodynamics/ *ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ *FASTING/ KIDNEY, analysis/ MALE/ NATRIURESIS, drug effects/ POTASSIUM, urine/ RATS/ RENIN, analysis/ *RENIN, metabolism/ SODIUM, urine

3148. **Otsuki M, Baba S:** Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man, with special reference to the evaluation for TRF test.
Kobe J Med Sci 18:215-28, Dec 72
EVALUATION STUDIES/ HUMAN/ MALE/ THYROID DISEASES, diagnosis/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

3149. **Otsuki M, Mori H, Baba S, et al:** Effect of synthetic thyrotrophin-releasing factor on pituitary TSH secretion in normal subjects and patients with hypothalamic-pituitary disorders.
Acta Endocrinol (Kbh) 73:233-49, Jun 73
*ADENOMA, CHROMOPHOBE, metabolism/ ADOLESCENCE/ ADULT/ AGED/ *CRANIOPHARYNGIOMA, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *HYPOPITUITARISM, metabolism/ IODINE ISOTOPES/ MALE/ MENINGIOMA, metabolism/ MIDDLE AGE/ *PINEALOMA, metabolism/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, metabolism/ THYROTROPIN, blood/ THYROTROPIN, metabolism/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, adverse effects/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood/ THYROXINE, metabolism

3150. **Otsuki M, Mori H, Tateiwa M, et al:** [The usefulness of TRF (thyrotropin releasing factor) test in patients with hypothalamic-pituitary disorders]
J Jap Soc Intern Med 62:353-9, Apr 73 **(Jap)**
BRAIN DISEASES, diagnosis/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ PITUITARY DISEASES, diagnosis/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3151. **Otsuki M, Mori S, Kusaka T, et al:** [Thyrotrop releasing factor (TRF) test: standardization pituitary TSH secretion potential test and results various endocrine diseases]
Clin Endocrinol (Tokyo) 21:307-16, Mar 73 (Ja
*ENDOCRINE DISEASES, diagnosis/ FEMAL HUMAN/ MALE/ SECRETORY RATE/ SEX FACTORS/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3152. **Otsuki M, Tateiwa M, Baba S:** TRF test in patients w hypothalamic-pituitary disorders.
Endocrinol Jap 20:149-55, Apr 73
ACROMEGALY, diagnosis/ ADENOMA, CHROMOPHOBE, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ *BRAIN NEOPLASMS, diagnosis/ CHILD/ CRANIOPHARYNGIOMA, diagnosis/ *DIABETES INSIPIDUS, diagnosis DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ MENINGIOMA, diagnosis/ MIDDLE AGE/ PINEALOMA, diagnosis/ *PITUITARY NEOPLASMS, diagnosis/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3153. **Otto E:** Wirtschaftliche Betrachtungen zur Kastrat der Jungeber und Möglichkeiten der Mast.
Arch Exp Veterinaermed 26:975-9, Dec 72 (G
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ BREEDING/ *CASTRATION/ *COSTS AND COST ANALYSIS/ ENGLISH ABSTRACT/ FATS/ GERMANY, EAST/ MALE/ MEAT/ *SWINE

3154. **Ottolenghi A:** High phospholipase content of intesti of mice infected with Hymenolepis nana.
Lipids 8:426-8, Jul 73
ANIMAL EXPERIMENTS/ CESTODA, growt & development/ DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ FEMALE/ HYMENOLEPIASIS, drug therapy/ *HYMENOLEPIASIS, enzymology/ INTESTINAL DISEASES, PARASITIC, drug therapy/ *INTESTINAL DISEASES, PARASITIC, enzymology/ INTESTINE, SMA drug effects/ *INTESTINE, SMALL, enzymology/ MICE/ *PHOSPHOLIPASE, metabolism/ YOMESAN, pharmacodynamics/ YOMESAN, therapeutic use

3155. **Outram GW, Fraser H, Wilson DT:** Scrapie in m Some effects on the brain lesion profile of ME7 a due to genotype of donor, route of injection genotype of recipient. J Comp Pathol 83:19-28, Ja
ANIMAL EXPERIMENTS/ BRAIN/ *BRAIN, pathology/ CEREBRAL CORTEX, pathology/ CORPORA QUADRIGEMINA, pathology/ FEMALE/ *GENOTYPE/ HIPPOCAMPUS, pathology/ HYPOTHALAMUS, pathology/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ MALE/ MEDULLA OBLONGATA, pathology/ MESENCEPHALO pathology/ MICE/ MICE, INBRED BALB C MICE, INBRED STRAINS/ SCRAPIE, etiolo *SCRAPIE, familial & genetic/ SCRAPIE, pathology/ SCRAPIE VIRUS/ SEPTAL NUCLEI, pathology/ SHEEP/ STATISTICS/ THALAMUS, pathology

3156. **Owen AA, Peo ER Jr, Cunningham PJ, et al:** Chel trace minerals for G-F swine.
J Anim Sci 37:95-103, Jul 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ BONE AND BONES, analysis/ B DEVELOPMENT/ COBALT, administration dosage/ COPPER, administration & dosage/ COPPER, analysis/ COPPER, blood/ DIET/ *EDTA, metabolism/ HAIR, analysis/ IODIN administration & dosage/ IRON, administra & dosage/ MALE/ MANGANESE, administration & dosage/ *SWINE,

metabolism/ *TRACE ELEMENTS, metabolism/ ZINC, administration & dosage/ ZINC, analysis/ ZINC, blood

3157. **Owen OE, Cahill GF Jr:** Metabolic effects of exogenous glucocorticoids in fasted man.
J Clin Invest 52:2596-605, Oct 73
ACETOACETATES, blood/ ACETOACETATES, metabolism/ ACETOACETATES, urine/ AMINO ACIDS, blood/ AMMONIA, urine/ ANTIGENS/ BLOOD SUGAR, metabolism/ BUTYRATES, blood/ BUTYRATES, metabolism/ BUTYRATES, urine/ *CORTISONE, pharmacodynamics/ *FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIN, blood/ HOMEOSTASIS/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, urine/ INSULIN, blood/ NITROGEN, urine/ SOMATOTROPIN, blood/ TIME FACTORS/ UREA, urine

3158. **Owman C, Håkanson R, Sundler F:** Occurrence and function of amines in endocrine cells producing polypeptide hormones. Fed Proc 32:1785-91, Jul 73
ANIMAL EXPERIMENTS/ *CELLS, metabolism/ CHROMAFFIN SYSTEM, metabolism/ CYTOPLASMIC GRANULES/ *DOPAMINE, metabolism/ DOPAMINE, physiology/ ENDOCRINE GLANDS, cytology/ *ENDOCRINE GLANDS, metabolism/ FLUORESCENCE/ FROGS/ GUINEA PIGS/ *HISTAMINE, metabolism/ HISTAMINE, physiology/ HISTOCYTOCHEMISTRY/ HORMONES, secretion/ LANGERHANS CELLS, metabolism/ MICE/ MICROSCOPY, ELECTRON/ RABBITS/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, physiology

159. **Owman C, Sjöberg NO:** Adrenergic innervation of the female genital tract of the dog.
J Reprod Med 8:63-6, Feb 72
ANIMAL EXPERIMENTS/ CERVIX UTERI, innervation/ DOGS/ FEMALE/ *GENITALIA, FEMALE, innervation/ MUSCLE, SMOOTH, innervation/ MUSCLES, cytology/ NEURONS, cytology/ OVARY, innervation/ OVIDUCTS, innervation/ *SYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ VAGINA, innervation

160. **Owor R:** Quantitative estimation of bone mass in Africans with particular reference to bone changes in chronic pancreatic disease.
East Afr Med J 49:860-7, Nov 72
AGING/ CHRONIC DISEASE/ HUMAN/ *MALABSORPTION SYNDROMES, complications/ MIDDLE AGE/ NEGROID RACE/ OSTEOMALACIA, etiology/ *OSTEOPOROSIS, etiology/ PANCREATITIS, complications/ *PANCREATITIS, metabolism/ UGANDA

161. **Oyama C, Maeda T, Kudo T:** [Effects of thiopental nitrous-oxide anesthesia and surgical stress on concentration of testosterone in human blood]
Clin Endocrinol (Tokyo) 21:537-9, May 73 (Jap)
ADULT/ *ANESTHESIA, GENERAL/ HUMAN/ MALE/ MIDDLE AGE/ *NITROUS OXIDE/ *SURGERY, OPERATIVE/ *TESTOSTERONE, blood/ *THIOPENTAL

162. **Oyama H, Suetsugu N, Kobayashi K, et al:** [HGH and HTSH secretion in hypothyroidism]
Folia Endocrinol Jap 49:775-80, 20 May 73 (Jap)
ADULT/ AGED/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, drug therapy/ INSULIN, diagnostic use/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, blood/ THYROID HORMONES, therapeutic use/ THYROTROPIN, blood

163. **Oye I, Langslet A:** The role of cyclic AMP in the inotropic response to isoprenaline and glucagon.
Adv Cyclic Nucleotide Res 1:291-300, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ FEMALE/ *GLUCAGON, pharmacodynamics/ GLYCOGEN PHOSPHORYLASE, metabolism/ HEART, physiology/ *ISOPROTERENOL, pharmacodynamics/ MALE/ MODELS, BIOLOGICAL/ *MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS

3164. **Ozaki O:** Zwei Fäle von thyreoidalem und mammärem Mehrfachcarcinom.
Yonago Acta Med 16:218-28, Feb 73 (Ger)
*ADENOCARCINOMA/ *ADENOMA/ ADULT/ AGED/ *BREAST NEOPLASMS/ ENGLISH ABSTRACT/ HUMAN/ *NEOPLASMS, MULTIPLE PRIMARY/ *THYROID NEOPLASMS

3165. **Ozaki O:** Alterung und Verkalkung in thyreoidalen Tumoren.
Yonago Acta Med 16:233-8, Feb 73 (Ger)
ADULT/ *AGING/ *CALCINOSIS, pathology/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *THYROID NEOPLASMS, pathology

3166. **Ozaki O, Mishima I, Cho T:** Vascularity of the thyroid in Graves' disease. Yonago Acta Med 16:1-4, Feb 72
ADOLESCENCE/ ADULT/ CELL NUCLEUS/ FEMALE/ *GOITER, EXOPHTHALMIC, pathology/ HUMAN/ KARYOMETRY/ MALE/ MIDDLE AGE/ THYROID CRISIS, pathology/ *THYROID GLAND, blood supply/ VEINS, pathology

3167. **Ozawa Y:** [Low calcification zone of the dental enamel]
J Jap Stomatol Soc 40:42, Mar 73 (Jap)
*CALCIFICATION, PHYSIOLOGIC/ *DENTAL ENAMEL, anatomy & histology/ HUMAN/ MICROSCOPY, ELECTRON, SCANNING

3168. **Ozer A, Sharp GW:** Modulation of adenyl cyclase action in toad bladder by chlorpropamide: antagonism to prostaglandin E. Eur J Pharmacol 22:227-32, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BLADDER, enzymology/ BLADDER, metabolism/ BUFO MARINUS/ *CHLORPROPAMIDE, pharmacodynamics/ IN VITRO/ OSMOSIS/ *PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics/ WATER, metabolism

P

3169. **Pačes V, Smrž J:** On the specificity of cyclic AMP action in Escherichia coli. FEBS Lett 31:343-4, 1 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ENZYME INDUCTION/ *ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ GALACTOSIDASE, biosynthesis/ GENES, REGULATOR/ STRUCTURE-ACTIVITY RELATIONSHIP

3170. **Paetzmann H, Eisaesser F, Haller J, et al:** Suppression and stimulation of plasma testosterone and DHT in hirsute women.
Acta Endocrinol [Suppl] (Kbh) 173:170, 1973
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HIRSUTISM, blood/ HUMAN/ 17-KETOSTEROIDS, urine/ OVARIAN CYSTS, diagnosis/ OVARY, drug effects/ PREGNANETRIOL, urine/ *STANOLONE, blood/ STIMULATION, CHEMICAL/ *TESTOSTERONE, blood/ TIME FACTORS

3171. **Pagnini G, Di Carlo F, Agozzino S, et al:** Urea increases serum albumin binding of drugs.

J Pharm Pharmacol 24:981-2, Dec 72
AMIDES/ ANISOLES/ BENZOATES/ BUFFERS/ CATTLE/ DOXYCYCLINE/ ETHYLAMINES/ PROGESTERONE/ *PROTEIN BINDING, drug effects/ *SERUM ALBUMIN, BOVINE/ SULFATHIAZOLES/ *UREA, pharmacodynamics

3172. **Pai SR:** Biological behaviour of reticulum cell neoplasm type A originating in the uterus of female ICRC mouse treated with progesterone.
Indian J Exp Biol 10:405-8, Nov 72
ANIMAL EXPERIMENTS/ BLOOD CELLS, transplantation/ BONE MARROW DISEASES, transplantation/ FEMALE/ LEUKEMIA, EXPERIMENTAL, chemically induced/ *LEUKEMIA, MONOCYTIC, chemically induced/ LIVER, transplantation/ MALE/ NEOPLASM TRANSPLANTATION/ *PROGESTERONE/ RATS/ SARCOMA, EXPERIMENTAL, chemically induced/ *SARCOMA, RETICULUM CELL, chemically induced/ SARCOMA, RETICULUM CELL, pathology/ SPLEEN, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ *UTERINE NEOPLASMS, chemically induced

3173. **Paikova LN:** Bioelektricheskie i vegetativnye komponenty uslovnykh refleksov "otritsatel'no-emotsional'nogo tipa".
Zh Vyssh Nerv Deiat 23:517-22, May-Jun 73 **(Rus)**
*AGGRESSION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ *CONDITIONING, CLASSICAL/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ HEART, physiology/ *HIPPOCAMPUS, physiology/ MOTOR ACTIVITY/ RABBITS/ RESPIRATION/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology

3174. **Paiva CE de, Csapo AI:** The effect of prostaglandin on the electric activity of the pregnant uterus.
Prostaglandins 4:177-88, Aug 73
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRODES, IMPLANTED/ ELECTROPHYSIOLOGY/ FEMALE/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ PROGESTERONE, physiology/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS/ *UTERUS, drug effects/ UTERUS, physiology

3175. **Pajszczyk-Kleszkiewicz T:** Zdolności aromatyzacyjne łożyska ludzkiego perfundowanego in vitro--w zależności od różnych warunków doświadczalnych. I. Porównanie stopnia aromatyzacji w łożyskach pochodzących z porodów odbytych siłami natury i z cięcia cesarskiego.
Ginekol Pol 43:405-20, Apr 72 **(Pol)**
*CESAREAN SECTION/ *DELIVERY/ ENGLISH ABSTRACT/ ESTROGENS, analysis/ FEMALE/ HUMAN/ *PLACENTA/ PLACENTA, analysis/ PLACENTA, metabolism/ PREGNANCY/ TESTOSTERONE, metabolism/ TIME FACTORS

3176. **Palka YS, Gorbman A:** Pituitary and testicular influenced sexual behavior in male frogs, Rana pipiens. Gen Comp Endocrinol 21:148-51, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FROGS/ GLUCOCORTICOIDS, pharmacodynamics/ MALE/ *PITUITARY GLAND, physiology/ PROGESTERONE, pharmacodynamics/ *RANA PIPIENS, physiology/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ *TESTIS, physiology/ TESTIS, secretion/ TESTOSTERONE, pharmacodynamics

3177. **Palma-Carlos AG, Palma-Carlos ML:** Administration d'oestrogènes et porphyrie cutanée dite tardive. Quatre cas. Nouv Presse Med 2:1996, 1 Sep 73 **(Fre)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *PORPHYRIA, chemically induced/ *SKIN MANIFESTATIONS

3178. **Palmer DS, French SW:** Effect of chloropromazine o 3H-phenazine methosulfate uptake into various regions of rat brain and into subcellular fractions o brain and liver (in vitro).
Biochem Pharmacol 22:1677-80, 1 Jul 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CALCIUM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ *CHLORPROMAZINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ IN VITRO/ LIVER, cytology/ LIVER, metabolism/ MALE/ MESENCEPHALON, metabolism/ MICROSOMES, metabolism/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ PHENAZINES, blood/ PHENAZINES, metabolism/ *PHENAZINES, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

3179. **Pals AJ, Reineke EP, Shaw GH:** Serum thyroxine leve in the perinatal guinea pig (Cavia porcellus).
Lab Anim Sci 23:511-4, Aug 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ FEMALE/ FETUS, metabolism/ *GUINEA PIGS, metabolism/ LACTATION/ METHODS/ PREGNANCY/ *THYROXINE, blood/ TIME FACTORS

3180. **Palumbo G, Caizzi R, Ritossa F:** Relative orientati with respect to the centromere of ribosomal RN genes of the X and Y chromosomes of Drosophi melanogaster.
Proc Natl Acad Sci USA 70:1883-5, Jun 73
ALLELES/ ANIMAL EXPERIMENTS/ *CHROMOSOME MAPPING/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER/ FEMALE/ MALE/ RECOMBINATION, GENETIC/ *RNA, RIBOSOMAL, biosynthesis/ *SEX CHROMOSOMES

3181. **Pande BS:** One sided dominance in the hindlimbs rabbits as evidenced by asymmetry in muscle a bone weight. Anat Anz 133:363-6, 1973
ANIMAL EXPERIMENTS/ *BONE AND BONES, anatomy & histology/ FEMUR, anatomy & histology/ FIBULA, anatomy & histology/ *HINDLIMB, anatomy & histology/ *LATERALITY/ *MUSCLES, anatomy & histology/ ORGAN WEIGHT/ *RABBITS, anatomy & histology/ TIBIA, anatomy & histology

3182. **Pandya NJ, Stuteville OH:** A one-stage technique f constructing female external genitalia in mal transsexuals. Br J Plast Surg 26:277-82, Jul
ADULT/ *GENITALIA, FEMALE, surgery/ *GENITALIA, MALE, surgery/ HUMAN/ MALE/ METHODS/ PROSTHESIS/ SCROTUM surgery/ SEX DEVIATION/ *SURGERY, PLASTIC/ TESTIS, surgery/ *TRANSSEXUALISM, surgery/ VAGINA, surgery

3183. **Pang PK, Pang RK, Sawyer WH:** Effects of environmental calcium and replacement therapy the killifish, Fundulus heteroclitus, after the surgi removal of the corpuscles of Stannius.
Endocrinology 93:705-10, Sep 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, pharmacodynamics/ DIET/ *ENDOCRINE GLANDS, physiology/ *FISHES MALE/ SEAWATER

3184. **Pankov AK, Smiller RR, Il'inskaia EG, et al:** Funktsional'noe sostoianie kory nadpochechnikov bol'nykh zlokachestvennymi opukholiami laichnik pri lechenii tioTEFom. **(Ru**
Vopr Onkol 19:31-5, 1973
ADULT/ CORTICOTROPIN, pharmacodynamic DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/

OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, physiopathology/ *PITUITARY-ADRENAL FUNCTION TESTS/ *THIO-TEPA, therapeutic use/ TIME FACTORS

5. **Pankova SS, Afonina LI, Bagramian ER, et al:** Opredelenie progesterona v plazme krovi beremennykh zhenshchin metodom konkurentnogo sviazyvaniia belkami.
Probl Endokrinol (Mosk) 19:32-5, May-Jun 73 **(Rus)**
BINDING, COMPETITIVE/ *BLOOD PROTEINS, analysis/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE/ *LABOR/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ TIME FACTORS

6. **Panksepp J:** The ventromedical hypothalamus and metabolic adjustments of feeding behavior.
Behav Biol 9:65-75, Jul 73
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ CARBON ISOTOPES/ EATING/ EATING, drug effects/ *FEEDING BEHAVIOR/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ MALE/ *METABOLISM/ RATS

7. **Panksepp J, Pilcher CW:** Evidence for an adipokinetic mechanism in the ventromedial hypothalamus.
Experientia 29:793-4, 1973
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *FEEDING BEHAVIOR/ FEMALE/ *GLUCOSE, metabolism/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ MALE/ RATS

8. **Pantić VR, Kosanović MV:** Testes of roosters treated with a single dose of estradiol dipropionate.
Gen Comp Endocrinol 21:108-17, Aug 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ *CHICKENS/ CONNECTIVE TISSUE CELLS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ HYPERPLASIA, chemically induced/ MALE/ ORGAN WEIGHT/ SPERMATOGENESIS, drug effects/ TESTIS, anatomy & histology/ *TESTIS, drug effects/ TESTIS, embryology/ TIME FACTORS

9. **Paolino W, Resegotti L, Rossi M, et al:** Treatment of acute myeloid leukaemia according to the Hammersmith protocol: preliminary report.
Br Med J 3:567-8, 15 Sep 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ *CYTARABINE, therapeutic use/ *DAUNOMYCIN, therapeutic use/ ERYTHREMIC MYELOSIS, drug therapy/ HUMAN/ LEUKEMIA, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, drug therapy/ LONDON/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ REMISSION/ THIOGUANINE, therapeutic use

10. **Papadopol S:** Feocromocitomul. Aspecte clinice si diagnostice în legătură cu 13 cazuri.
Stud Cercet Med Interna 14:339-51, 1973 **(Rum)**
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, therapy/ ADULT/ *AUTONOMIC DYSFUNCTION, etiology/ BLOOD VOLUME/ CATECHOLAMINES, urine/ CHILD/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, etiology/ HEMATOCRIT/ HUMAN/ HYPERGLYCEMIA, etiology/ HYPERTENSION, etiology/ HYPERTHYROIDISM, etiology/ *KIDNEY DISEASES, etiology/ LEUKOCYTOSIS, etiology/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, therapy/ POSTOPERATIVE COMPLICATIONS/ TOMOGRAPHY

3191. **Paparella P, Galeotti T, Bompiani A, et al:** Experimental observations on the energy metabolism of human placenta.
J Obstet Gynaecol Br Commonw 80:627-32, Jul 73
ANTIMYCIN A, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BIRTH WEIGHT/ CYANIDES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ FEMALE/ FETAL DISEASES, metabolism/ GESTATIONAL AGE/ HUMAN/ MANOMETRY/ OLIGOMYCIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ *OXYGEN CONSUMPTION/ *PLACENTA, metabolism/ PLACENTA, pathology/ PLACENTA DISORDERS, metabolism/ PREGNANCY/ ROTENONE, pharmacodynamics

3192. **Papatestas AE, Osserman KE, Kark AE:** 17-Ketosteroid excretion, myasthenia gravis, and breast cancer.
Lancet 1:691-2, 25 Mar 72
BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, urine/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ MYASTHENIA GRAVIS, surgery/ *MYASTHENIA GRAVIS, urine/ THYMECTOMY

3193. **Pape C, Ahrens J, Schulz KD:** Microscopic and ultrastructural changes of hormone-dependent rat mammary cancer treated with "anti-hormones".
Acta Endocrinol [Suppl] (Kbh) 173:151, 1973
ADENOCARCINOMA, drug therapy/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ CYCLOPHOSPHAMIDE, pharmacodynamics/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTOPLASM, drug effects/ ERGOT ALKALOIDS, pharmacodynamics/ ERGOT ALKALOIDS, therapeutic use/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ MITOSIS, drug effects

3194. **Paré WP:** Conflict duration, feeding schedule, and strain differences in conflict-induced gastric ulcers.
Physiol Behav 8:165-71, Feb 72
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ CIRCADIAN RHYTHM/ *CONFLICT (PSYCHOLOGY)/ DISEASE MODELS, ANIMAL/ ELECTROSHOCK/ *FEEDING BEHAVIOR/ FOOD DEPRIVATION/ *GENETICS, BEHAVIORAL/ HOUSING, ANIMAL/ MALE/ ORGAN WEIGHT/ PSYCHOPHYSIOLOGIC DISORDERS, etiology/ RATS/ *STOMACH ULCER, etiology/ *STRESS, PSYCHOLOGICAL/ TIME FACTORS

3195. **Parfenov YD, Poluboyarinova ZI:** Polonium-210 metabolism in rabbits after a single intravenous and intratracheal injection.
Int J Radiat Biol 23:487-93, May 73
ANIMAL EXPERIMENTS/ BONE MARROW, metabolism/ COMPARATIVE STUDY/ FEMUR, metabolism/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MYOCARDIUM, metabolism/ POLONIUM, administration & dosage/ POLONIUM, blood/ *POLONIUM, metabolism/ RABBITS/ SPLEEN, metabolism/ TESTIS, metabolism/ TIME FACTORS/ TRACHEA

3196. **Pariente R, Derenne JP, Tcherakian, et al:** L'état de mal asthmatique: cadre nosologique, données thérapeutiques (apropos de 18 cas.
Poumon Coeur 29:15-34, 1973 **(Fre)**
ADULT/ AGED/ ANOXIA, etiology/ ANTIBIOTICS, therapeutic use/ ASTHMA, complications/ *ASTHMA, drug therapy/ ASTHMA, etiology/ *DEXAMETHASONE, therapeutic use/ EMERGENCIES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ HYPERCAPNIA, etiology/ MALE/ MIDDLE AGE/ RESPIRATION, ARTIFICIAL/ RESPIRATORY TRACT INFECTIONS,

complications/ SHOCK, complications/ SYMPATHOMIMETICS, adverse effects

3197. **Park MK, Dyer DC:** Effect of polyphloretin phosphate and 7-oxa-13-prostynoic acid on the vasoactive actions of prostaglandin E2 and 5-hydroxytryptamine on isolated human umbilical arteries.
Prostaglandins 3:913-20, Jun 73
DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ KETO ACIDS, administration & dosage/ *KETO ACIDS, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ PHLORETIN, administration & dosage/ *PHLORETIN, pharmacodynamics/ PHOSPHATES/ *PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ UMBILICAL ARTERIES, drug effects

3198. **Parke L:** Detection of prolactin activity by bioassay in human amniotic fluid. J Endocrinol 58:137-8, Jul 73
*AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ CULTURE MEDIA/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MAMMAE, drug effects/ PREGNANCY/ *PROLACTIN, analysis/ PROLACTIN, pharmacodynamics/ SOMATOTROPIN, analysis/ TISSUE CULTURE

3199. **Parker CW, Snider DE:** Prostaglandins and asthma.
Ann Intern Med 78:963-5, Jun 73 (30 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AEROSOLS/ AIRWAY RESISTANCE/ ANIMAL EXPERIMENTS/ ASPIRIN, therapeutic use/ ASTHMA, drug therapy/ ASTHMA, immunology/ *ASTHMA, physiopathology/ ATROPINE, pharmacodynamics/ BRONCHI, drug effects/ BRONCHIAL SPASM, physiopathology/ EPINEPHRINE, therapeutic use/ GUINEA PIGS/ HUMAN/ LEUKOCYTES, drug effects/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ REVIEW

3200. **Parra A, Cervantes C, Schultz RB:** Immunoreactive insulin and growth hormone responses in patients with Prader-Willi syndrome.
J Pediatr 83:587-93, Oct 73
*ABNORMALITIES, MULTIPLE, blood/ ADOLESCENCE/ *ANTIGENS/ ARGININE, blood/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPOGONADISM, blood/ *INSULIN, blood/ MALE/ *MENTAL RETARDATION, blood/ OBESITY, blood/ *SOMATOTROPIN, blood/ TIME FACTORS

3201. **Parra-Covarrubias A, García-Bulnes G, Gonzàlez-Licea A:** Presencia de insulina inmunorreactiva como respuesta in vitro de la mucosa intestinal de la rata a diferentes concentraciones de glucosa.
Arch Invest Med (Mex) 4:1-6, 1973 (Spa)
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *ANTIGENS/ CECUM, metabolism/ ENGLISH ABSTRACT/ GLUCOSE, pharmacodynamics/ ILEUM, metabolism/ IN VITRO/ INSULIN, analysis/ *INSULIN, biosynthesis/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ RADIOIMMUNOASSAY/ RATS/ TESTOSTERONE, isolation & purification

3202. **Parvez H, Parvez S:** The regulation of monoamine oxidase activity by adrenal cortical steroids.
Acta Endocrinol (Kbh) 73:509-17, Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CARBON ISOTOPES/ *HYDROCORTISONE, pharmacodynamics/ MALE/ METHODS/ METYRAPONE, diagnostic use/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE, metabolism/ *MYOCARDIUM, enzymology/ RATS/ SPLEEN, enzymology/ TRYPTAMINES, diagnostic use

3203. **Parvez H, Parvez S:** Micro radioisotopic determination of enzymes catechol-O-methyltransferase, phenylethanolamine-N-methyltransferase and monoamine oxidase in a single concentration of tissue homogenate. Clin Chim Acta 46:85-90, 14 Jun 73
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, analysis/ LIVER, enzymology/ METHODS/ *METHYLTRANSFERASES, analysis/ MICROCHEMISTRY/ *MONOAMINE OXIDASE, analysis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, analysis/ RATS

3204. **Parwaresch MR, Mäder C, Hill W, et al:** Ein kombiniertes Verfahren zur Erzeugung von Arteriosklerose bei Kaninchen in Kurzzeitversuchen.
Res Exp Med (Berl) 160:269-91, 19 Jun 73 (Ger)
ANIMAL EXPERIMENTS/ ANOXIA/ AORTA, analysis/ ARTERIOSCLEROSIS, chemically induced/ *ARTERIOSCLEROSIS, pathology/ CALCINOSIS, pathology/ CATECHOLAMINES/ CHOLESTEROL, analysis/ DIET, ATHEROGENIC/ ENGLISH ABSTRACT/ HYPERLIPEMIA/ LIVER, pathology/ LYMPH NODES, pathology/ MALE/ MYOCARDIUM, pathology/ RABBITS/ SPLEEN, pathology/ THYROXINE

3205. **Pashayan H, Dallaire L, MacLeod P:** Bilateral aniridia multiple webs and severe mental retardation in a 47,XXY-48,XXXY mosaic. Clin Genet 4:125-9, 197
BLINDNESS/ CHILD/ HUMAN/ *IRIS, abnormalities/ KARYOTYPING/ *KLINEFELTER'S SYNDROME/ LEUKOCYTES/ MALE/ *MOSAICISM/ MOUTH MUCOSA, cytology/ PHENOTYPE/ SEX CHROMATIN/ SEX CHROMOSOMES/ SKIN, abnormalities

3206. **Pashkov BM, Kutin SA:** Patogenez, klinika i morfologiia éksfoliativnogo kheilita.
Stomatologiia (Mosk) 52:11-3, Jul-Aug 73 (Rus)
*CHEILITIS/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM/ MENTAL RETARDATION

3207. **Pasini M, Bradić I, Batinica S:** Današnji stav u liječenju kriptorhizma.
Lijec Vjesn 95:297-302, Jun 73 (Cro)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, diagnosis/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ TESTIS, abnormalities/ TIME FACTORS

3208. **Pasqualini JR, Sumida C, Gelly C, et al:** Formation de complexes 3H-oestradiol-macromolécules dans les fractions cytosoliques et nucléaires du tissu rénal du foetus de cobaye.
C R Acad Sci [D] (Paris) 276:3359-62, 18 Jun 73 (Fre)
ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ *ESTRADIOL, metabolism/ FETUS/ GUINEA PIGS/ KIDNEY, cytology/ *KIDNEY, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism

3209. **Passa P, Bensoussan D, Canivet J, et al:** Correction après hypophysectomie de l'hyperagrégation plaquettaire observée au cours de la rétinopathie diabétique. Nouv Presse Med 2:2057, 8 Sep 73 (Fre)
BLOOD PLATELET DISORDERS, etiology/ *BLOOD PLATELET DISORDERS, therapy/ *DIABETIC RETINOPATHY, complications/ HUMAN/ *HYPOPHYSECTOMY/ METHODS

3210. **Passarge E, Fries E:** X chromosome inactivation in X-linked hypohidrotic ectodermal dysplasia.
Nature [New Biol] 245:58-9, 12 Sep 73

*ECTODERMAL DYSPLASIA, familial & genetic/ FEMALE/ FINGERS/ HETEROZYGOTE/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ MOSAICISM/ *SEX CHROMOSOMES/ SWEAT GLANDS

11. **Pastan I, Perlman RL:** Regulation of gene transcription in Escherichia coli by cyclic AMP.
Adv Cyclic Nucleotide Res 1:11-6, 1972 (13 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BACTERIAL PROTEINS, biosynthesis/ BINDING SITES/ ESCHERICHIA COLI, drug effects/ *ESCHERICHIA COLI, metabolism/ GENES/ MODELS, BIOLOGICAL/ MUTATION/ PROTEIN BINDING/ REVIEW/ RNA, BACTERIAL, biosynthesis/ RNA, MESSENGER, biosynthesis/ *TRANSCRIPTION, GENETIC, drug effects

12. **Pastorfide GB, Goldstein DP:** Pregnancy after hydatidiform mole. Obstet Gynecol 42:67-70, Jul 73
ABNORMALITIES/ ABORTION/ ABORTION, THERAPEUTIC/ CONTRACEPTIVES, ORAL/ DACTINOMYCIN, therapeutic use/ DELIVERY/ FEMALE/ FETAL DEATH/ HUMAN/ *HYDATIDIFORM MOLE/ HYDATIDIFORM MOLE, drug therapy/ INFANT MORTALITY/ INFANT, NEWBORN/ INFANT, PREMATURE/ INTRAUTERINE DEVICES/ METHOTREXATE, therapeutic use/ *PREGNANCY/ RECURRENCE/ TIME FACTORS

13. **Patchefsky AS, Fraimow W, Hoch WS:** Desquamative interstitial pneumonia. Pathological findings and follow-up in 13 patients.
Arch Intern Med 132:222-5, Aug 73
ADULT/ AGED/ ANTIBODIES, analysis/ ANTINUCLEAR FACTORS, analysis/ BIOPSY/ EOSINOPHILS/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INCLUSION BODIES, VIRAL/ LATEX FIXATION TESTS/ LUPUS ERYTHEMATOSUS, DISCOID, complications/ LYMPHOCYTES/ MACROPHAGES/ MALE/ MIDDLE AGE/ PLASMA CELLS/ PROGNOSIS/ PULMONARY ALVEOLI, pathology/ PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, mortality/ *PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography/ RESPIRATORY INSUFFICIENCY, etiology/ STEROIDS, therapeutic use

14. **Patel YC, Burger HG:** Serum thyrotropin (TSH) in pituitary and-or hypothalamic hypothyroidism: normal or elevated basal levels and paradoxical responses to thyrotropin-releasing hormone.
J Clin Endocrinol Metab 37:190-6, Aug 73
ADENOMA, CHROMOPHOBE, blood/ ADULT/ AGED/ CHILD/ CORTICOTROPIN, blood/ CRANIOPHARYNGIOMA, blood/ FEMALE/ FSH, blood/ HUMAN/ HYPOPITUITARISM, blood/ HYPOTHALAMUS, pathology/ *HYPOTHYROIDISM, blood/ LH, blood/ MALE/ MENINGIOMA, blood/ MIDDLE AGE/ PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ TIME FACTORS/ VASOPRESSIN, blood

15. **Paterson JW:** Recent advances in the drug treatment of asthma. Trans Med Soc Lond 88:205-13, 1972
ACETYLCHOLINE, pharmacodynamics/ ADENYL CYCLASE, adverse effects/ ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, antagonists & inhibitors/ ANTIBODY FORMATION, drug effects/ ANTIHISTAMINICS, therapeutic use/ *ASTHMA, drug therapy/ BRONCHIAL SPASM, physiopathology/ BRONCHODILATOR AGENTS, classification/ BRONCHODILATOR AGENTS, therapeutic use/ CHEMISTRY/ DISODIUM CROMOGLYCATE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ HISTAMINE LIBERATION/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MAST CELLS/ NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ STIMULATION, CHEMICAL/ SYMPATHETIC NERVOUS SYSTEM, metabolism/ THEOPHYLLINE, pharmacodynamics

16. **Pathak S, Hsu TC, Shirley L, et al:** Chromosome homology in the climbing rats, genus Tylomys (Rodentia: Cricetidae). Chromosoma 42:215-28, 1973
ANIMAL EXPERIMENTS/ BIOPSY/ CELLS, CULTURED/ *CHROMOSOMES/ DIPLOIDY/ EAR/ FEMALE/ HETEROCHROMATIN/ HYBRIDIZATION/ *KARYOTYPING/ MALE/ *RODENTS/ SEX CHROMOSOMES/ STAINS AND STAINING

17. **Patton GW Jr, Goldstein DP:** Gestational choriocarcinoma of the tube and ovary.
Surg Gynecol Obstet 137:608-12, Oct 73
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA, drug therapy/ *CHORIOCARCINOMA, occurrence/ CHORIOCARCINOMA, pathology/ CYCLOPHOSPHAMIDE, therapeutic use/ DACTINOMYCIN, therapeutic use/ *FALLOPIAN TUBE NEOPLASMS, occurrence/ FALLOPIAN TUBE NEOPLASMS, pathology/ FEMALE/ GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ LIVER FUNCTION TESTS/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ PREGNANCY/ *PREGNANCY, ECTOPIC, complications/ PREGNANCY, TUBAL, complications

18. **Patz A:** Current status of diabetic and sickle cell retinopathies. Md State Med J 22:59-62, Sep 73
*ANEMIA, SICKLE CELL, complications/ *BLINDNESS, etiology/ *DIABETIC RETINOPATHY, complications/ DIABETIC RETINOPATHY, etiology/ DIABETIC RETINOPATHY, therapy/ HUMAN/ HYPOPHYSECTOMY/ LIGHT COAGULATION/ VISION DISORDERS, etiology

19. **Paugh JW, Rose RM, Paul IL, et al:** Mechanical resonance spectra in human cancellous bone.
Science 181:271-3, 20 Jul 73
ADULT/ *BONE AND BONES/ CALCIUM/ ELASTICITY/ FEMUR/ HUMAN/ IN VITRO/ MALE/ MIDDLE AGE/ PHOSPHORUS/ STRESS, MECHANICAL/ TRANSDUCERS/ VISCOSITY

20. **Paukovic J, Sklovský A, Kukelková A:** Problémy terapie ovariálnej endometriózy.
Cesk Gynekol 38:37-8, 1973 (Cze)
CONTRACEPTIVES, ORAL, therapeutic use/ DRUG COMBINATIONS/ *ENDOMETRIOSIS, drug therapy/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, therapeutic use/ MESTRANOL, therapeutic use/ *OVARIAN NEOPLASMS, drug therapy

21. **Paul D:** Quiescent SV40 virus transformed 3T3 cells in culture.
Biochem Biophys Res Commun 53:745-53, 6 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BIOLOGICAL TRANSPORT/ CELL COUNT/ CELL DIVISION, drug effects/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ CULTURE MEDIA/ DNA, biosynthesis/ FLUORESCENCE/ LASERS/ LEUCINE, metabolism/ MICE/ MICROCHEMISTRY/ MICROSCOPY, PHASE CONTRAST/ *SV40 VIRUS, metabolism/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

22. **Paul P, Holmes WL:** FFA metabolism in thyroidectomized and normal dogs during rest and acute cold exposure. J Appl Physiol 35:250-8, Aug 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE/

CARBON ISOTOPES/ *COLD, adverse effects/ COLD CLIMATE/ DOGS/ *FATTY ACIDS, NONESTERIFIED, blood/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ PALMITIC ACID, metabolism/ RESPIRATION/ SPIROMETRY/ STRESS, blood/ *THYROID GLAND, physiology/ THYROIDECTOMY

3223. **Paulo E:** Changes in the oestrus cycle of white mice subjected to accumulation of trypan blue in the body.
Folia Biol (Krakow) 20:263-70, 1972
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *ESTRUS, drug effects/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MICE/ TRYPAN BLUE, administration & dosage/ TRYPAN BLUE, metabolism/ *TRYPAN BLUE, pharmacodynamics

3224. **Paupardin-Tritsch D, Gerschenfeld HM:** Neuronal responses to 5-hydroxytryptamine resulting from membrane permeability decreases.
Nature [New Biol] 244:171-3, 8 Aug 73
ANIMAL EXPERIMENTS/ *CELL MEMBRANE PERMEABILITY, drug effects/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ NEURONS, cytology/ *NEURONS, drug effects/ NEURONS, metabolism/ POTASSIUM, metabolism/ *SEROTONIN, pharmacodynamics/ SNAILS/ SODIUM, metabolism

3225. **Păuşescu E, Chirvasie R, Dăbuleanu L:** Biochemical aspects concerning adenine nucleotides and some related enzymes in the concomitant action of cephalin and serotonin of the blood platelets.
Rev Roum Physiol 10:331-9, 1973
*ADENINE NUCLEOTIDES, metabolism/ ADENOSINE, metabolism/ ADENOSINE MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ *CEPHALINS, pharmacodynamics/ DOGS/ IN VITRO/ OXYGEN CONSUMPTION, drug effects/ *PHOSPHATASES, metabolism/ *SEROTONIN, pharmacodynamics

3226. **Pavan-Langston D:** Potential use of ocular-insert therapy in dry eyes.
Int Ophthalmol Clin 13:231-8, Spring 73
BURNS, CHEMICAL, drug therapy/ DOSAGE FORMS/ DRUGS, administration & dosage/ EYE BURNS, drug therapy/ *EYE DISEASES, drug therapy/ EYE DISEASES, etiology/ GLAUCOMA, drug therapy/ GRAFT REJECTION, drug effects/ HUMAN/ HYDROCORTISONE, therapeutic use/ IDOXURIDINE, administration & dosage/ KERATITIS, DENDRITIC, drug therapy/ METHODS/ MUCIN, secretion/ OPHTHALMIC SOLUTIONS, administration & dosage/ *OPHTHALMIC SOLUTIONS, therapeutic use/ PILOCARPINE, administration & dosage/ PILOCARPINE, therapeutic use/ POLYMERS, therapeutic use/ SECRETORY RATE/ STEVENS-JOHNSON SYNDROME, drug therapy/ TEARS, secretion/ TIME FACTORS/ VITAMIN A DEFICIENCY, complications

3227. **Pavel S, Dorcescu M, Petrescu-Holban R, et al:** Biosynthesis of a vasotocin-like peptide in cell cultures from pineal glands of human fetuses.
Science 181:1252-3, 28 Sep 73
ANIMAL EXPERIMENTS/ ARGININE/ BIOLOGICAL ASSAY/ BLADDER, drug effects/ CELLS, CULTURED/ DIPHENOL OXIDASES, pharmacodynamics/ DIURESIS, drug effects/ FEMALE/ FETUS/ FROGS/ GESTATIONAL AGE/ HUMAN/ MALE/ OSMOSIS, drug effects/ PINEAL BODY, embryology/ *PINEAL BODY, metabolism/ RANA TEMPORARIA/ RATS/ TRYPSIN, pharmacodynamics/ UTERUS, drug effects/ VASOTOCIN, antagonists & inhibitors/ *VASOTOCIN, biosynthesis/ VASOTOCIN, pharmacodynamics

3228. **Pavlovic-Hournac M, Delbauffe D, Virion A, et al:** Protein phosphokinases of bound and free thyroid polyribosomes. FEBS Lett 33:65-9, 15 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ HISTONES/ KINETICS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ *POLYRIBOSOMES, enzymology/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ *THYROID GLAND, enzymology/ THYROXINE-BINDING PROTEIN/ TIME FACTORS/ TRITIUM

3229. **Pavlovitch H, Garabedian M, Balsan S:** Calcium-mobilizing effect of large doses of 25-hydroxycholecalciferol in anephric rats.
J Clin Invest 52:2656-9, Oct 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *KIDNEY, physiology/ MALE/ NEPHRECTOMY/ NEPHRONS, physiology/ PARATHYROID GLANDS, metabolism/ RATS/ THYROID GLAND, metabolism

3230. **Pawelczyk E, Pluta I, Marciniec B:** Zastosowanie spektrofotometrii w podczerwieni w ilościowej analizie leków. II. Oznaczanie niektórych pochodnych sterydowych.
Acta Pol Pharm 30:289-95, 1973 (Pol
*CHLORMADINONE, analysis/ ENGLISH ABSTRACT/ *ESTRADIOL, analysis/ *MESTRANOL, analysis/ *METHYLTESTOSTERONE, analysis/ *PROGESTERONE, analysis/ SPECTROPHOTOMETRY, INFRARED/ *TESTOSTERONE, analysis

3231. **Pawlotsky Y, Roussey M, Simon M, et al:** Hyperthyrocalcitoninémie dans l'hémochromatose idiopathique. Nouv Presse Med 2:1793, 30 Jun 73 (Fre
ADULT/ CALCIUM, analysis/ *HEMOCHROMATOSIS, blood/ HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, diagnosis/ HUMAN/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ PARATHYROID HORMONE, blood/ PHOSPHORUS, analysis/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood

3232. **Peacock JH, Nelson PG:** Chemosensitivity of mouse neuroblastoma cells in vitro.
J Neurobiol 4:363-74, 1973
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ drug effects/ *DOPAMINE, pharmacodynamics/ ELECTRIC CONDUCTIVITY, drug effects/ IN VITRO/ IONTOPHORESIS/ *MEMBRANE POTENTIALS, drug effects/ MICE/ *NEURAL TRANSMISSION, drug effects/ *NEUROBLASTOMA, physiopathology/ *NOREPINEPHRINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics

3233. **Peaker M, Linzell JL:** The lack of effect of aldosterone on milk secretion in the goat.
J Endocrinol 58:139-40, Jul 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHLORIDES, analysis/ FEMALE/ *GOATS, physiology/ INJECTIONS, INTRAVENOUS/ *LACTATION, drug effects/ MILK, analysis/ POTASSIUM, analysis/ SODIUM, analysis

3234. **Pear BL:** Radiographic studies of amyloidosis.
CRC Crit Rev Radiol Sci 3:425-52, 1972 (85 ref.
ADOLESCENCE/ AGED/ *AMYLOIDOSIS, radiography/ ARTHRITIS, JUVENILE RHEUMATOID, radiography/ BONE DISEASES, radiography/ CHILD/ ESOPHAGEAL DISEASES, radiography/ FEMALE/ HUMAN/ INTESTINAL DISEASES, radiography/ LIVER DISEASES, radiography/ LUNG DISEASES, radiography/ MACROGLOBULINEMIA,

complications/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ MYOCARDIAL DISEASES, SECONDARY, radiography/ OSTEOPOROSIS, radiography/ PLASMACYTOMA, complications/ REVIEW/ SKIN DISEASES, radiography/ SPLENIC DISEASES, radiography/ STOMACH DISEASES, radiography/ TONGUE, abnormalities/ TONGUE, radiography/ URETERAL DISEASES, radiography

3235. **Pearce FL:** Absence of nerve growth factor in the venoms of bees, scorpions, spiders and toads. Toxicon 11:309-10, Apr 73
ANIMAL EXPERIMENTS/ *BEES/ BUFO ARENARUM/ BUFO MARINUS/ MOLECULAR WEIGHT/ *NERVE GROWTH FACTOR, analysis/ *SCORPIONS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SPIDERS/ *TOADS/ *VENOMS, analysis

3236. **Pearlman WH, Guérigulan JL, Sawyer ME:** A specific progesterone-binding component of human breast cyst fluid. J Biol Chem 248:5736-41, 25 Aug 73
BLOOD PROTEINS/ BODY FLUIDS/ *BREAST DISEASES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYSTS/ DESOXYCORTICOSTERONE/ DEXTRAN/ ELECTROPHORESIS, DISK/ ESTRADIOL/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE/ HYDROXYPROGESTERONE/ MOLECULAR WEIGHT/ PREGNENOLONE/ *PROGESTERONE/ PROTEIN BINDING/ *PROTEINS/ SERUM GLOBULINS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE/ TRITIUM

3237. **Pearn JH:** Bee stings in operational theatres. Milit Med 137:241-2, Jun 72
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ AUSTRALIA/ *BEES/ DIPHENHYDRAMINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *INSECT BITES AND STINGS/ INSECT BITES AND STINGS, drug therapy/ MALE/ *MILITARY MEDICINE/ PROMETHAZINE, therapeutic use/ VIETNAM

3238. **Pearse AG, Polak JM:** Apudomas. J Pathol 109:piv, Jan 73
AMINES, metabolism/ DECARBOXYLATION/ *ENDOCRINE GLANDS, metabolism/ *HORMONES, biosynthesis/ NEOPLASMS, diagnosis/ *NEOPLASMS, metabolism/ PEPTIDES, biosynthesis

3239. **Pearson H, Gibbs C:** Urogenital abnormalities in two calves. Vet Rec 92:463-8, 5 May 73
ABNORMALITIES, veterinary/ ANIMAL EXPERIMENTS/ AUTOPSY, veterinary/ CATTLE/ *CATTLE DISEASES, congenital/ CERVIX UTERI, abnormalities/ FEMALE/ FLUOROSCOPY, veterinary/ HERMAPHRODITISM, veterinary/ KIDNEY, abnormalities/ PROTEUS, isolation & purification/ URETER, abnormalities/ URINARY CATHETERIZATION, veterinary/ URINARY INCONTINENCE, veterinary/ *UROGENITAL SYSTEM, abnormalities/ UROGRAPHY, veterinary/ UTERUS, abnormalities

3240. **Peaslee MH, Goldman M, Milburn SE:** Effects of acute and chronic administration of DDT upon pituitary melanocyte-stimulating hormone (MSH) activity. Comp Gen Pharmacol 3:191-4, Jun 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DDT, administration & dosage/ *DDT, pharmacodynamics/ FROGS/ IN VITRO/ MSH, blood/ *MSH, metabolism/ MSH, pharmacodynamics/ ORGAN WEIGHT/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RANA PIPIENS/ RATS/ SKIN, drug effects/ TIME FACTORS

3241. **Pedersen KB:** [Excretion of iodine (131-I) during administration of inactive iodide in cattle. Acta Vet Scand 14:347-9, 1973
ANIMAL EXPERIMENTS/ CATTLE/ HALF-LIFE/ IODINE, analysis/ IODINE, blood/ *IODINE, metabolism/ IODINE ISOTOPES/ *IODOPROTEINS, metabolism/ SALIVA, analysis/ TEARS, analysis

3242. **Pedersoli WM:** Effects of acute anaphylactic shock on arterial blood pressure of anesthetized chickens. Am J Vet Res 34:881-5, Jul 73
ACETYLCHOLINE, therapeutic use/ ANAPHYLAXIS, physiopathology/ ANAPHYLAXIS, prevention & control/ *ANAPHYLAXIS, veterinary/ ANESTHESIA, INTRAVENOUS/ ANIMAL EXPERIMENTS/ ATROPINE, therapeutic use/ *BLOOD PRESSURE/ *CHICKENS/ CHLORAL HYDRATE/ CHLORPHENIRAMINE, therapeutic use/ COMPOUND 48-80, therapeutic use/ EPINEPHRINE, therapeutic use/ FEMALE/ FLUMETHASONE, therapeutic use/ HEXAMETHONIUM COMPOUNDS, therapeutic use/ HISTAMINE, therapeutic use/ NOREPINEPHRINE, therapeutic use/ PENTOBARBITAL/ *POULTRY DISEASES, physiopathology/ POULTRY DISEASES, prevention & control/ PROMETHAZINE, therapeutic use/ SALICYLATES, therapeutic use/ SERUM ALBUMIN, BOVINE/ TRIPELENNAMINE, therapeutic use

3243. **Peeters FL:** Die "leere Sella"--ein differentialdiagnostisches Problem. Fortschr Geb Roentgenstr Nuklearmed 118:624-30, Jun 73 (Ger)
ACROMEGALY, radiography/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EPILEPSY, GRAND MAL, radiography/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA, radiography/ SUBARACHNOID SPACE/ TOMOGRAPHY, RADIOGRAPHIC

3244. **Peeters G, Houvenaghel A:** Reflex release of milk-ejection activity by stimulation of organs in the pelvic region in sheep as studied by cross-circulation experiments. J Endocrinol 58:53-66, Jul 73
ANIMAL EXPERIMENTS/ BLADDER, physiology/ CERVIX UTERI, physiology/ FEMALE/ *LACTATION/ MALE/ OXYTOCIN, pharmacodynamics/ *PITUITARY HORMONES, POSTERIOR, secretion/ PREGNANCY/ RECEPTORS, NEURAL/ *REFLEX/ SEMINAL VESICLES, physiology/ *SHEEP, physiology/ UTERUS, physiology/ VAGINA, physiology

3245. **Pegov VI:** Kachestvo miasa bychkov, kastrirovannykh razlichnymi sposobami. Veterinariia 49:111-2, May 73 (Rus)
ANIMAL EXPERIMENTS/ *CASTRATION, veterinary/ CATTLE/ COMPARATIVE STUDY/ MALE/ *MEAT/ QUALITY CONTROL

3246. **Pelkonen O, Kärki NT:** 3,4-Benzpyrene and aniline are hydroxylated by human fetal liver but not by placenta at 6-7 weeks of fetal age. Biochem Pharmacol 22:1538-40, 15 Jun 73
ADOLESCENCE/ ANILINE COMPOUNDS/ *ANILINE COMPOUNDS, metabolism/ BENZOPYRENES/ *BENZOPYRENES, metabolism/ CHILD, PRESCHOOL/ FEMALE/ FETUS/ HUMAN/ HYDROXYLASES, metabolism/ HYDROXYLATION/ IN VITRO/ LIVER, enzymology/ *LIVER, metabolism/ ORGAN WEIGHT/ *PLACENTA, metabolism/ PREGNANCY/ SMOKING

3247. **Pellegrino de Iraldi A, Letzen D:** Zinc iodide-osmium tetroxide reactive substances in the matrix of granulated vesicles in the rat pineal nerves. Experientia 29:844-6, 1973
ANIMAL EXPERIMENTS/ IODIDES/ NEURAL TRANSMISSION/ *OSMIUM/ OXIDES/ *PINEAL BODY, cytology/ PINEAL BODY, drug effects/ PINEAL BODY, metabolism/ RATS/ RESERPINE, pharmacodynamics/

SEROTONIN, metabolism/ *STAINS AND STAINING/ *SYNAPTIC VESICLES/ *ZINC

3248. **Pelletier G:** Secretion and uptake of peroxidase by rat adenohypophyseal cells.
J Ultrastruct Res 43:445-59, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOPLASM, enzymology/ CYTOPLASMIC GRANULES/ EXOCYTOSIS/ FEMALE/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, ELECTRON/ *PEROXIDASES, metabolism/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PLANTS, enzymology/ *PROLACTIN, secretion/ PROTEINS, biosynthesis/ RATS/ *SOMATOTROPIN, secretion/ TIME FACTORS

3249. **Pelz L:** Zytogenetische Ursachen des Abortus.
Zentralbl Gynaekol 94:145-55, 5 Feb 72 (77 ref.) (Ger)
ABORTION, chemically induced/ ABORTION, diagnosis/ ABORTION, etiology/ *ABORTION, familial & genetic/ ABORTION, INDUCED/ AUTOSOME ABNORMALITIES/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, complications/ CONTRACEPTIVES, ORAL, adverse effects/ *CYTOGENETICS/ FEMALE/ HUMAN/ POLYPLOIDY/ PREGNANCY/ REVIEW/ TRISOMY

3250. **Pentreath VW:** Effect of stimulating a central giant serotonin-containing neuron on peripheral muscles in the snail Helix pomatia.
Experientia 29:540-2, 15 May 73
ACTION POTENTIALS/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ AXONS, physiology/ ELECTRIC STIMULATION/ *MUSCLES, innervation/ NEURAL INTERCONNECTIONS/ NEURONS, analysis/ *NEURONS, physiology/ *SEROTONIN, analysis/ SEROTONIN, pharmacodynamics/ *SNAILS

3251. **Pentycross CR, Toussis D, McKinna JA, et al:** Effect of hormone therapy on mitogenic responses of lymphocytes from patients with cancer of the breast.
Lancet 2:177-9, Jul 73
ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, immunology/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ DIETHYLSTILBESTROL, pharmacodynamics/ *DIETHYLSTILBESTROL, therapeutic use/ FEMALE/ HUMAN/ LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, immunology/ MENOPAUSE/ MIDDLE AGE/ *MITOSIS, drug effects/ NANDROLONE, pharmacodynamics/ *NANDROLONE, therapeutic use/ PLANT AGGLUTININS, pharmacodynamics/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ PROSPECTIVE STUDIES/ RETICULOENDOTHELIAL SYSTEM, drug effects

3252. **Pequignot H, Weber B, Reynier J:** La préparation des goitres à manifestations toxiques à la thyroïdectomie de réduction. Intérêt du cytochrome.
Nouv Presse Med 2:1911, 14 Jul 73 (Fre)
*CYTOCHROME C, therapeutic use/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ MIDDLE AGE/ PREOPERATIVE CARE/ THYROIDECTOMY

3253. **Pérez Comas A, Saenz Rodriquez CA:** Acute suppurative thyroiditis. Pediatrics 52:308, Aug 73
CHILD/ DOMINICAN REPUBLIC/ FEMALE/ HUMAN/ INFANT/ MALE/ PUERTO RICO/ SUPPURATION/ *THYROIDITIS/ THYROIDITIS, occurrence

3254. **Pergament E, Heimler A, Shah P:** Testicular feminisation and inguinal hernia.
Lancet 2:740-1, 29 Sep 73
ADOLESCENCE/ AGE FACTORS/ DIAGNOSIS, SURGICAL/ FEMALE/ HUMAN/ INFORMED CONSENT/ *INGUINAL HERNIA, surgery/ KARYOTYPING/ *TESTICULAR FEMINIZATION, diagnosis/ TESTICULAR FEMINIZATION, surgery

3255. **Perheentupa J, Raivio KO, Nikkilä EA:** Hereditary fructose intolerance.
Acta Med Scand [Suppl] 542:65-75, 1972 (57 ref.)
*ALDOLASE, metabolism/ BLOOD SUGAR, metabolism/ CARBOHYDRATE METABOLISM, INBORN ERRORS, diagnosis/ CARBOHYDRATE METABOLISM, INBORN ERRORS, familial & genetic/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, metabolism/ CARBOHYDRATE METABOLISM, INBORN ERRORS, therapy/ CHILD/ CHOLESTEROL, blood/ DIET THERAPY/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ FRUCTOSE, adverse effects/ *FRUCTOSE, metabolism/ FRUCTOSE, pharmacodynamics/ HUMAN/ INSULIN, blood/ 17-KETOSTEROIDS, urine/ LACTATES, blood/ LIVER, metabolism/ NAUSEA, chemically induced/ REVIEW/ TRIGLYCERIDES, blood/ URIC ACID, blood/ URIC ACID, urine/ VOMITING, chemically induced

3256. **Perkins PJ, Kroovand RL, Evans AT:** Ureteral triplication. Radiology 108:533-8, Sep 73
ADOLESCENCE/ ADULT/ CHILD/ CYSTOSCOPY/ FEMALE/ HUMAN/ LIGATION/ MALE/ PYURIA, etiology/ TURNER'S SYNDROME, complications/ *URETER, abnormalities/ URETER, embryology/ URETER, radiography/ URETER, surgery/ URINARY INCONTINENCE, etiology/ URINARY TRACT INFECTIONS, complications

3257. **Perlia CP:** The problems of drug treatment of breast cancer. Semin Drug Treat 3:87-100, Summer 73
AGE FACTORS/ ALKYLATING AGENTS, therapeutic use/ ANDROGENS, therapeutic use/ BONE NEOPLASMS, complications/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, therapy/ CORTICOSTERONE, therapeutic use/ DRUG COMBINATIONS/ ESTROGENS, therapeutic use/ FEMALE/ FLUOROURACIL, therapeutic use/ FOLLOW-UP STUDIES/ HORMONES, physiology/ HUMAN/ LUNG NEOPLASMS, complications/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PLEURAL EFFUSION/ PLEURAL NEOPLASMS, complications/ PLEURAL NEOPLASMS, drug therapy/ PROGESTATIONAL HORMONES, therapeutic use/ TIME FACTORS/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

3258. **Perlman M, Goldberg GM, Bar-Ziv J, et al:** Renal hamartomas and nephroblastomatosis with fetal gigantism: a familial syndrome.
J Pediatr 83:414-8, Sep 73
ABNORMALITIES, MULTIPLE/ AUTOPSY/ CONSANGUINITY/ GIGANTISM, complications/ *GIGANTISM, familial & genetic/ GIGANTISM, pathology/ HAMARTOMA, complications/ *HAMARTOMA, familial & genetic/ HAMARTOMA, pathology/ HUMAN/ INFANT, NEWBORN/ KIDNEY NEOPLASMS, complications/ *KIDNEY NEOPLASMS, familial & genetic/ KIDNEY NEOPLASMS, pathology/ MALE/ NEPHROBLASTOMA, complications/ *NEPHROBLASTOMA, familial & genetic/ SYNDROME

3259. **Peroni F, Schiantarelli P, Rosati G, et al:** Effects of iodinated contrast media on erythrocytes. II. Effect of some drugs on alterations induced by meglumine acetrizoate. Invest Radiol 8:205-9, Jul-Aug 73
ACETRIZOIC ACID, adverse effects/ *ACETRIZOIC ACID, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BROMPHENIRAMINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ COLCHICINE,

pharmacodynamics/ *CONTRAST MEDIA, adverse effects/ DIBUCAINE, pharmacodynamics/ DOGS/ *ERYTHROCYTES, drug effects/ MICROSCOPY, ELECTRON, SCANNING/ PREDNISOLONE, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ PROMETHAZINE, pharmacodynamics

3260. **Perpheentupa J, Autio S, Leisti S, et al:** Mulibrey nanism, an autosomal recessive syndrome with pericardial constriction. Lancet 2:351-5, 18 Aug 73
ADOLESCENCE/ ADULT/ ASCITES, diagnosis/ *AUTOSOME ABNORMALITIES/ BIRTH WEIGHT/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, diagnosis/ *DWARFISM, familial & genetic/ EDEMA, diagnosis/ ELECTROCARDIOGRAPHY/ FEMALE/ FIBROUS DYSPLASIA OF BONE, diagnosis/ FUNDUS OCULI/ GROWTH DISORDERS, diagnosis/ HEART ENLARGEMENT, diagnosis/ HEART FAILURE, CONGESTIVE/ HEMANGIOMA, diagnosis/ HEPATOMEGALY, diagnosis/ HUMAN/ HYDROCEPHALUS, diagnosis/ INFANT/ MALE/ MUSCULAR DISEASES, diagnosis/ PERICARDITIS, CONSTRICTIVE, diagnosis/ *PERICARDITIS, CONSTRICTIVE, familial & genetic/ SELLA TURCICA, abnormalities/ SKIN NEOPLASMS, diagnosis/ SYNDROME

3261. **Perraro F, Piccini F, Donati E:** Indicazioni terapeutiche della calcitonina. Verifica sperimentale in alcune condizioni patologiche.
Folia Endocrinol (Roma) 25:411-23, Oct 72 (Ita)
AGED/ BONE NEOPLASMS, drug therapy/ BREAST NEOPLASMS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERCALCEMIA, drug therapy/ HYPERPARATHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ OSTEITIS DEFORMANS, drug therapy/ OSTEOPOROSIS, drug therapy/ PROSTATIC NEOPLASMS, drug therapy/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, therapeutic use

3262. **Perry BD, Bracegirdle JR:** Toad poisoning in small animals. Vet Rec 92:589-90, 2 Jun 73
ANIMAL EXPERIMENTS/ ATROPINE, therapeutic use/ *CAT DISEASES, etiology/ CHLORAMPHENICOL, therapeutic use/ *DOG DISEASES, etiology/ ETHIOPIA/ FEMALE/ FEVER, veterinary/ OXYTETRACYCLINE, therapeutic use/ PAIN, veterinary/ PARALYSIS, veterinary/ POISONING, drug therapy/ *POISONING, veterinary/ PREDNISOLONE, therapeutic use/ *TOADS/ VOMITING, veterinary

3263. **Perry HM Jr, Erlanger MW:** Elevated circulating renin activity in rats following doses of cadmium known to induce hypertension.
J Lab Clin Med 82:399-405, Sep 73
ADMINISTRATION, ORAL/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CADMIUM, administration & dosage/ *CADMIUM, administration & dosage/ FEMALE/ HYPERTENSION, blood/ *HYPERTENSION, chemically induced/ INJECTIONS, INTRAPERITONEAL/ LEAD, administration & dosage/ MERCURY, administration & dosage/ RATS/ *RENIN, blood/ TIME FACTORS/ ZINC, administration & dosage

3264. **Persaud TV:** Pregnancy and progeny in rats treated with prostaglandin E2.
Prostaglandins 3:299-305, Mar 73
AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, drug effects/ GESTATIONAL AGE/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ *LABOR, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ TIME FACTORS

3265. **Persianinov LS:** Voprosy teorii i praktiki antenatal'noi okhrany ploda.
Vestn Akad Med Nauk SSSR 28:61-9, 1973 (27 ref.) (Rus)
ABNORMALITIES, DRUG-INDUCED/ ACIDOSIS, congenital/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, adverse effects/ ASPHYXIA NEONATORUM, etiology/ ASPHYXIA NEONATORUM, prevention & control/ ERYTHROBLASTOSIS, FETAL, prevention & control/ ESTROGENS, physiology/ FEMALE/ *FETAL DISEASES, prevention & control/ FETAL HEART/ HUMAN/ INFANT, NEWBORN/ ISOANTIBODIES/ MONITORING SYSTEMS/ MONKEYS/ PREGNANCY/ PRENATAL CARE/ PROSTAGLANDINS, physiology/ RATS/ REVIEW/ RH FACTORS/ SEROTONIN, antagonists & inhibitors/ TRANQUILIZING AGENTS, adverse effects/ USSR

3266. **Persson CG:** Adrenergic, cholecystokinetic and morphine-induced effects on extra-hepatic biliary motility.
Acta Physiol Scand [Suppl] 383:1-32, 1972 (108 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BILIARY TRACT, drug effects/ BILIARY TRACT, innervation/ BILIARY TRACT, physiology/ CATS/ *CHOLECYSTOKININ, pharmacodynamics/ DEPRESSION, CHEMICAL/ DUODENUM, drug effects/ *EPINEPHRINE, pharmacodynamics/ GALLBLADDER, drug effects/ GALLBLADDER, metabolism/ GALLBLADDER, physiology/ GASTROINTESTINAL MOTILITY, drug effects/ METHODS/ *MORPHINE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, ADRENERGIC/ REVIEW/ STIMULATION, CHEMICAL/ TETRODOTOXIN, pharmacodynamics/ VATER'S AMPULLA, drug effects/ VATER'S AMPULLA, physiology

3267. **Peschle C, Jori GP, Sasso GF, et al:** Ruolo fisiologico dell'iposisi nella produzione di eritropoietina in condizioni di ipossia acuta.
Folia Endocrinol (Roma) 25:486-94, Dec 72 (Ita)
ACUTE DISEASE/ ANIMAL EXPERIMENTS/ *ANOXIA, physiopathology/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *ERYTHROPOIETIN, biosynthesis/ MALE/ *PITUITARY GLAND, physiopathology/ RATS

3268. **Peterkofsky A, Gazdar C:** Measurements of rates of adenosine 3':5'-cyclic monophosphate synthesis in intact Escherichia coli B.
Proc Natl Acad Sci USA 70:2149-52, Jul 73
ADENOSINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, analysis/ ADENYL CYCLASE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ GLUCOSE, metabolism/ KINETICS/ TRITIUM

3269. **Peters PJ, Bronson FH, Whitsett JM:** Neonatal castration and intermale aggression in mice.
Physiol Behav 8:265-8, Feb 72
AGE FACTORS/ *AGGRESSION/ AGGRESSION, drug effects/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *BEHAVIOR, ANIMAL/ *CASTRATION/ MALE/ MICE/ MICE, INBRED C57BL/ PROPIONATES/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics

3270. **Peterson AC, Recker RR:** Endocrine complications of malignancy. Nebr Med J 58:231-2, Jul 73
*ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENAL GLAND NEOPLASMS, complications/ *CARCINOMA, BRONCHOGENIC, complications/ CARCINOMA, OAT CELL, complications/ CORTICOTROPIN, biosynthesis/ HUMAN/ HYDROCORTISONE, secretion/ *LUNG NEOPLASMS, complications/

MALE/ MIDDLE AGE/ NEOPLASM METASTASIS

3271. **Petropoulos EA**: Maternal and fetal factors affecting the growth and function of the rat placenta.
Acta Endocrinol [Suppl] (Kbh) 176:3-69, 1973
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DNA, metabolism/ FEMALE/ FETUS, metabolism/ FETUS, physiology/ GESTATIONAL AGE/ IRON ISOTOPES/ LEUCINE, metabolism/ *MATERNAL-FETAL EXCHANGE/ METHODS/ ORGAN WEIGHT/ OVARY, physiology/ PLACENTA, anatomy & histology/ PLACENTA, cytology/ PLACENTA, growth & development/ PLACENTA, metabolism/ *PLACENTA, physiology/ PREGNANCY/ PROTEINS, analysis/ PROTEINS, metabolism/ RATS/ RNA, metabolism/ TRITIUM

3272. **Petrov-Maslakov MA**: Voprosy fiziologii i patologii reproduktivnoĭ funktsii zhenshchiny.
Vestn Akad Med Nauk SSSR 28:53-61, 1973 **(Rus)**
*ABORTION, familial & genetic/ ANTIGENIC DETERMINANTS/ BLOOD TRANSFUSION, INTRAUTERINE/ *CHROMOSOME ABERRATIONS/ CONTRACEPTIVE AGENTS/ ESTROGENS, therapeutic use/ FEMALE/ FETAL DISEASES, prevention & control/ HUMAN/ HYPERTENSION/ ISOANTIBODIES/ MENSTRUATION DISORDERS/ *OVUM, cytology/ PLACENTA DISORDERS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY TOXEMIAS/ REVIEW/ RH FACTORS/ USSR

3273. **Petrov-Maslakov MA, Maizel' EP, Savchenko ON, et al**: Osobennosti funktsii laichnikov u zhenshchin s privychnym nedonashivaniem.
Akush Ginekol (Mosk) 48:27-30, Sep 72 **(Rus)**
*ABORTION, HABITUAL, physiopathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARY, physiopathology

3274. **Petrović VM, Grippois D, Janić V, et al**: Phenylethanolamine-N-methyl transferase activity in the ground squirrel (Citellus citellus).
Experientia 29:876-7, 1973
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ EPINEPHRINE, metabolism/ HIBERNATION/ MALE/ METHYLATION/ *METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ *PHENETHYLAMINES, metabolism/ *SQUIRRELS, enzymology/ TEMPERATURE

3275. **Petrucco OM, Chellier K, Fishtall A**: Diagnosis of intrauterine fetal growth retardation by serial serum oxytocinase, urinary oestrogen and serum heat stable alkaline phosphatase (HSAP) estimations in uncomplicated and hypertensive pregnancies.
J Obstet Gynaecol Br Commonw 80:499-507, Jun 73
*ALKALINE PHOSPHATASE, blood/ *AMINOPEPTIDASES, blood/ ENZYME TESTS/ *ESTROGENS, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ GROWTH DISORDERS, diagnosis/ HEAT/ HUMAN/ *HYPERTENSION/ HYPERTENSION, enzymology/ HYPERTENSION, urine/ INFANT, NEWBORN/ OXYTOCINASE, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, enzymology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, urine/ PREGNANCY TOXEMIAS, enzymology/ PREGNANCY TOXEMIAS, urine/ PRENATAL DIAGNOSIS/ SPECTROPHOTOMETRY/ TIME FACTORS

3276. **Petrushkin IuS**: Gormonal'nyi sposob inaktivatsii zheltykh tel. Veterinariia 7:103-4, Jul 72 **(Rus)**
ANIMAL EXPERIMENTS/ CATTLE/ *CORPUS LUTEUM, drug effects/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ *PROGESTERONE, pharmacodynamics

3277. **Pettersson F, Fries H, Nillius SJ**: Epidemiology of secondary amenorrhea. I. Incidence and prevalence rates. Am J Obstet Gynecol 117:80-6, 1 Sep 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, chemically induced/ AMENORRHEA, etiology/ *AMENORRHEA, occurrence/ CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ MARRIAGE/ MENARCHE/ MIDDLE AGE/ PARITY/ PREGNANCY/ RESIDENCE CHARACTERISTICS/ RETROSPECTIVE STUDIES/ SAMPLING STUDIES/ SMOKING, complications/ SOCIOECONOMIC FACTORS/ SWEDEN

3278. **Pevzner S, Leef F**: Childhood abdominal lymphoma in two brothers. Isr J Med Sci 9:914-7, Jul 73
ABDOMINAL NEOPLASMS, drug therapy/ *ABDOMINAL NEOPLASMS, familial & genetic/ ABDOMINAL NEOPLASMS, pathology/ BURKITT'S LYMPHOMA, diagnosis/ BURKITT'S LYMPHOMA, drug therapy/ *BURKITT'S LYMPHOMA, familial & genetic/ BURKITT'S LYMPHOMA, pathology/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ INTESTINAL NEOPLASMS, diagnosis/ INTESTINAL NEOPLASMS, drug therapy/ INTESTINAL NEOPLASMS, pathology/ LYMPH NODES, pathology/ MALE/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ VINCRISTINE, therapeutic use

3279. **Pfannenstiel P**: Schilddrüsenfunktionstests.
Med Klin 68:1143-6, 7 Sep 73 (13 ref.) **(Ger)**
DIAGNOSIS, DIFFERENTIAL/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ REVIEW/ TECHNETIUM/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood

3280. **Pfannenstiel P, Schulz A, Mössner G**: Lidödeme, Kälteintoleranz und Leistungsabfall während Dauertherapie mit Lithium.
Dtsch Med Wochenschr 98:1578-80, 24 Aug 73 **(Ger)**
ATAXIA, chemically induced/ *BODY TEMPERATURE REGULATION, drug effects/ *COLD/ *EDEMA, chemically induced/ *EYELID DISEASES, chemically induced/ FATIGUE/ FEMALE/ HUMAN/ HYPOTHYROIDISM, drug therapy/ *LITHIUM, adverse effects/ LITHIUM, blood/ LITHIUM, therapeutic use/ LONG TERM CARE/ MIDDLE AGE/ PARESTHESIA, chemically induced/ PHYSICAL FITNESS/ PSYCHOSES, drug therapy/ THYROXINE, therapeutic use

3281. **Pfeiff B, Mosebach KO**: Selective bindings of 5alpha-dihydrotestosterone to proteins in prostate nuclei of adult castrated rats.
Acta Endocrinol [Suppl] (Kbh) 173:70, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MALE/ METHODS/ PROSTATE, cytology/ *PROSTATE, metabolism/ PROTEIN BINDING/ RATS/ *STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TIME FACTORS

3282. **Pfeiffer M, Birk J, Faulhaber JD, et al**: Ophthalmoscopic findings and changes in hormonal and metabolic parameters in "protodiabetes".
Adv Metab Disord 2:Suppl 2:317-22, 1973
ADULT/ CHOLESTEROL, metabolism/ CIRCADIAN RHYTHM/ CORTICOTROPIN, metabolism/ DIABETIC ANGIOPATHIES, metabolism/ *DIABETIC RETINOPATHY, etiology/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ GLUCOSE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ *INSULIN, metabolism/ MALE/ OBESITY IN DIABETES, complications/ OBESITY IN DIABETES, metabolism/ *PITUITARY

HORMONES, ANTERIOR, metabolism/ PREDIABETIC STATE, complications/ *PREDIABETIC STATE, metabolism/ SOMATOTROPIN, metabolism/ THYROTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, metabolism/ *TRIGLYCERIDES, metabolism

283. **Phan DV, György L:** Effect of oxotremorine and arecoline on the inferior eyelid of the rat.
Acta Physiol Acad Sci Hung 42:185-93, 1972
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ARECOLINE, antagonists & inhibitors/ *ARECOLINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ *EYELIDS, drug effects/ FEMALE/ GUANETHIDINE, pharmacodynamics/ HYPERTENSION, chemically induced/ MALE/ MUSCLE CONTRACTION, drug effects/ OXOTREMORINE, antagonists & inhibitors/ *OXOTREMORINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RATS

284. **Philibert D, Raynaud JP:** Progesterone binding in the immature mouse and rat uterus.
Steroids 22:89-98, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DIALYSIS/ ESTRADIOL, metabolism/ FEMALE/ KETOSTEROIDS, metabolism/ KETOSTEROIDS, pharmacodynamics/ KINETICS/ MICE/ PREGNADIENES, metabolism/ PREGNADIENES, pharmacodynamics/ PROGESTATIONAL HORMONES, metabolism/ PROGESTATIONAL HORMONES, pharmacodynamics/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism

285. **Philippu A, Roensberg W, Przuntek H:** Effects of adrenergic drugs on pressor responses to hypothalamic stimulation.
Naunyn Schmiedebergs Arch Pharmacol 278:373-86, 26 Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ CEREBROSPINAL FLUID/ CLONIDINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEEDBACK/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE, metabolism/ PERFUSION/ *SYMPATHOLYTICS, pharmacodynamics/ *TOLAZOLINE, pharmacodynamics/ TRITIUM

286. **Phillips EM, Turner P, Houghton J, et al:** Comparison of propranolol and Ro 3-3528 in hyperthyroid tachycardia and dysrhythmias.
Postgrad Med J 49:18-23, Jan 73
*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ *ARRHYTHMIA, drug therapy/ BENZOFURANS, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MIDDLE AGE/ PLACEBOS/ *PROPRANOLOL, therapeutic use/ *TACHYCARDIA, drug therapy

287. **Phillips HB, Ashley FP:** The relationship between periodontal disease and a metacarpal bone index.
Br Dent J 134:237-9, 20 Mar 73
ADULT/ ANTHROPOMETRY/ FEMALE/ HUMAN/ *METACARPUS/ METACARPUS, radiography/ OSTEOPOROSIS, radiography/ *PERIODONTAL DISEASES/ STATISTICS

288. **Phillips HH, Jennings DB:** Cardiorespiratory effects of hypothalamic heating in conscious dogs.
Am J Physiol 225:700-5, Sep 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ CARDIAC OUTPUT/ DOGS/ HEART RATE/ *HEAT/ *HEMODYNAMICS/ *HYPOTHALAMUS, physiology/ OXYGEN CONSUMPTION/ *RESPIRATION/ VASCULAR RESISTANCE

3289. **Pia HW:** Central dysregulation.
Z Neurol 204:1-21, 16 Mar 73 (58 ref.)
ADAPTATION, PHYSIOLOGICAL/ AMINO ACIDS, metabolism/ AMINO ACIDS, urine/ AUTONOMIC DYSFUNCTION, diagnosis/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE/ BRAIN DEATH/ BRAIN DISEASES, complications/ *BRAIN DISEASES, diagnosis/ BRAIN DISEASES, metabolism/ BRAIN DISEASES, physiopathology/ BRAIN DISEASES, urine/ BRAIN EDEMA, pathology/ BRAIN INJURIES, ACUTE, complications/ BRAIN STEM/ CARBOHYDRATES, metabolism/ CATECHOLAMINES, urine/ DECEREBRATE STATE/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERGLYCEMIA, complications/ HYPOTHALAMUS/ MESENCEPHALON/ MUSCLE TONUS/ PROTEINS, metabolism/ PULSE/ REVIEW/ STRESS/ TIME FACTORS

3290. **Piantadosi C, Hall IH, Irvine JL, et al:** Cycloalkanones. 2. Synthesis and biological activity of alpha, alpha'-dibenzylcycloalkanones.
J Med Chem 16:770-5, Jul 73
ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ *ANTICHOLESTEREMIC AGENTS, chem synthesis/ ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ ANTICHOLESTEREMIC AGENTS, toxicity/ BENZYL COMPOUNDS, chem synthesis/ BENZYL COMPOUNDS, pharmacodynamics/ BODY WEIGHT, drug effects/ BRAIN, enzymology/ CHOLESTEROL, blood/ *CYCLOPARAFFINS, chem synthesis/ CYCLOPARAFFINS, pharmacodynamics/ CYCLOPARAFFINS, toxicity/ GLYCERIN, blood/ KETONES, chem synthesis/ KETONES, pharmacodynamics/ KETONES, toxicity/ LETHAL DOSE 50/ LIPID MOBILIZATION, drug effects/ LIVER, analysis/ LIVER, enzymology/ LIVER GLYCOGEN, analysis/ MALE/ MICE/ NUCLEIC ACIDS, analysis/ RATS/ TRIGLYCERIDES, blood

3291. **Piazola LE, Drut R, Attademo AG, et al:** Infiltración grasa miocárdica y corticoterapia prolongada.
Arch Fund Roux Ocefa 6:77-83, 1972 (Spa)
ARTHRITIS, RHEUMATOID, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, adverse effects/ HUMAN/ *LIPIDS, analysis/ MALE/ MIDDLE AGE/ MYOCARDIUM, analysis/ *MYOCARDIUM, pathology/ MYOSITIS, drug therapy

3292. **Piccinni Z, Parisi M:** Effect of guanosine 3':5'-monophosphate on the hydroosmotic activity of adenosine 3':5'-monophosphate in toad urinary bladder.
Biochim Biophys Acta 311:625-9, 18 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ *BLADDER, metabolism/ *BUFO ARENARUM, metabolism/ GUANINE NUCLEOTIDES, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ OSMOSIS/ OXYTOCIN, antagonists & inhibitors/ OXYTOCIN, pharmacodynamics/ PERMEABILITY/ SUCROSE, pharmacodynamics/ WATER, metabolism

3293. **Pick E, Manheimer S:** The mechanism of action of macrophage migration inhibitory factor (MIF).
Int Arch Allergy Appl Immunol 45:295-8, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOCAPROIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CELL MIGRATION INHIBITION/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ DEXTRAN, pharmacodynamics/ GUINEA PIGS/ HEPARIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LYMPH NODES, cytology/ LYMPHOCYTES, immunology/ MACROPHAGES, drug effects/ *MACROPHAGES, immunology/ MICROTUBULES/ POLYVINYLS,

pharmacodynamics/ PRONASE, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TRYPSIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics/ TUBERCULIN/ VINBLASTINE, pharmacodynamics

3294. **Pickup JC, Johnston CI, Nakamura S, et al:** Subcellular organization of neurophysins, oxytocin, (8-lysine)-vasopressin and adenosine triphosphatase in porcine posterior pituitary lobes.
Biochem J 132:361-71, Mar 73
*ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ IODINE ISOTOPES/ LYSINE/ MALE/ *NEUROPHYSINS, analysis/ *OXYTOCIN, analysis/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, POSTERIOR, analysis/ PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, enzymology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SUBCELLULAR FRACTIONS, analysis/ SUBCELLULAR FRACTIONS, enzymology/ SWINE/ ULTRACENTRIFUGATION/ UTERUS/ *VASOPRESSIN, analysis

3295. **Pico I, Zárate A, Canales ES, et al:** Síndrome de amenorréa y galactorréa postparto asociado a hipotiroidismo primario. Estudio funcional de la secreción de prolactín.
Ginecol Obstet Mex 33:251-5, Mar 73 (Spa)
ADULT/ *AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, physiopathology/ *LACTATION DISORDERS, etiology/ LACTATION DISORDERS, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM/ PREGNANCY/ PROLACTIN, secretion

3296. **Pietrak A:** Powikłania po wielokrotnym dostawowym wstrzyknięciu hydrokortyzonu w leczeniu odosobnionych krwiaków stawów kolanowych.
Chir Narzadow Ruchu Ortop Pol 38:293-6, 1973 (Pol)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *HEMATOMA, drug therapy/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ INFANT/ INJECTIONS, INTRA-ARTICULAR/ MALE/ MIDDLE AGE

3297. **Pietruschka G, Schill J:** Zur gegenwärtigen klinischen Bedeutung und Häufigkeit der sympathischen Ophthalmie.
Klin Monatsbl Augenheilkd 162:451-6, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EXOPHTHALMOS/ EYE INJURIES, complications/ FEMALE/ GERMANY, EAST/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ OPHTHALMIA, SYMPATHETIC, etiology/ *OPHTHALMIA, SYMPATHETIC, occurrence/ OPHTHALMIA, SYMPATHETIC, pathology/ OPHTHALMIA, SYMPATHETIC, surgery/ UVEA, pathology

3298. **Piganova NL:** Profilaktika nevynashivaniia beremennosti pri porokakh razvitiia matki.
Akush Ginekol (Mosk) 48:38-42, Sep 72 (Rus)
*ABORTION, HABITUAL, prevention & control/ ADULT/ CERVIX UTERI, abnormalities/ CERVIX UTERI, surgery/ ENGLISH ABSTRACT/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ *UTERUS, abnormalities

3299. **(Pincus GG), Vojta M:** Gregory G. Pincus, 1903-1967.
Cesk Gynekol 36:472-3, Jul 73 (Cze)
*CONTRACEPTIVES, ORAL, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ MASSACHUSETTS

3300. **Pincus JH, Lee S:** Diphenylhydantoin and calcium Relation to norepinephrine release from brain slices
Arch Neurol 29:239-44, Oct 73
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN, metabolism/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ *DIPHENYLHYDANTOIN, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROCAINE, pharmacodynamics/ RATS/ TETRODOTOXIN, pharmacodynamics/ TRITIUM

3301. **Pinder RM:** The pharmacotherapy of Parkinsonis
Prog Med Chem 9:192-274, 1972 (689 ref.)
ACETYLCHOLINE/ ANTIHISTAMINICS, therapeutic use/ ANTIPARKINSON DRUGS/ BELLADONNA, therapeutic use/ BRAIN, metabolism/ DOPA, therapeutic use/ DOPAMINE/ HUMAN/ NEURAL TRANSMISSION/ NOREPINEPHRINE/ PARASYMPATHOLYTICS, therapeutic use/ *PARKINSONISM, drug therapy/ PARKINSONISM, etiology/ PARKINSONISM, metabolism/ PHENOTHIAZINES, therapeutic use/ REVIEW/ SEROTONIN/ SPASM/ TREMOR

3302. **Pines A:** Beclomethasone dipropionate used as aerosol in the treatment of asthma.
Practitioner 211:86-90, Jul 73
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, chemically induced/ ADULT/ AEROSOLS/ AGED/ *ASTHMA, dru therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, adverse effects/ BECLOMETHASONE, therapeutic us CLINICAL RESEARCH/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, administrati & dosage/ HUMAN/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ MIDDLE AGE

3303. **Pinzauti S, Dal Piaz V, La Porta E:** Determinazio potenziometrica di alcuni tireostatici nelle compresse.
Farmaco [Prat] 28:396-402, Jul 73 (I
*CARBIMAZOLE, analysis/ ENGLISH ABSTRACT/ *METHIMAZOLE, analysis/ POTENTIOMETRY/ TABLETS, analysis/ *THIOURACIL, analysis/ *THYROID ANTAGONISTS, analysis

3304. **Piper D, Nicholson BL, Dunn J:** Immunofluoresce study of the replication of infectious pancrea necrosis virus in trout and Atlantic salmon c cultures. Infect Immun 8:249-54, Aug 73
ANIMAL EXPERIMENTS/ CELL LINE/ *FIS DISEASES, immunology/ FLUORESCENT ANTIBODY TECHNIC/ GONADS, cytology/ HEART, cytology/ IMMUNE SERUMS/ KIDNEY, cytology/ LIVER, cytology/ NEUTRALIZATION TESTS/ RABBITS, immunology/ SALMONIDAE/ SPLEEN, cytology/ TISSUE CULTURE/ *VERTEBRATI VIRUSES, immunology/ *VIRUS DISEASES, immunology/ *VIRUS REPLICATION

3305. **Piper PJ:** Substances released from passively sensitized human lung tissue during challeng
Int Arch Allergy Appl Immunol 45:87-90, 19
AORTA, immunology/ BRONCHI, immunology CATS, immunology/ CHICKENS, immunology COLON, immunology/ GUINEA PIGS, immunology/ HISTAMINE LIBERATION/ HUMAN/ ILEUM, immunology/ *IMMUNITY, PASSIVE/ *LUNG, immunology/ PROSTAGLANDINS, analysis/ RABBITS, immunology/ RATS, immunology/ RECTUM, immunology/ SLOW REACTING SUBSTANCE analysis/ STOMACH, immunology

3306. **Piper PJ, Walker JL:** The release of spasmoge substances from human chopped lung tissue and

inhibition. Br J Pharmacol 47:291-304, Feb 73
*ANAPHYLAXIS, chemically induced/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ BORDETELLA PERTUSSIS, immunology/ BRONCHI, drug effects/ DISODIUM CROMOGLYCATE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HUMAN/ IGE, isolation & purification/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *LUNG/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ OVALBUMIN/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, metabolism/ RABBITS/ RATS, immunology/ *SPASM, chemically induced/ SRS-A, pharmacodynamics/ TISSUE EXTRACTS

Pissarev J: Prilozhenie na anabolitni steroidi v kompleksnoto lcucnic na paradontosis inflammata. Stomatologlia (Sofiia) 452-7, Nov-Dec 72 (Bul)
ENGLISH ABSTRACT/ PERIODONTAL DISEASES, drug therapy/ SPECIAL LIST DENTAL/ STEROIDS, therapeutic use

Pitney WR: Von Willebrand's disease. Aust NZ J Med 3:305-6, Jun 73
FACTOR VIII, biosynthesis/ GENES/ HUMAN/ PLATELET ADHESIVENESS, drug effects/ RISTOCETIN, pharmacodynamics/ SEX CHROMOSOMES/ *VON WILLEBRAND'S DISEASE/ VON WILLEBRAND'S DISEASE, blood/ VON WILLEBRAND'S DISEASE, familial & genetic/ VON WILLEBRAND'S DISEASE, physiopathology

Pittman JA Jr: Varieties of hypothyroidism. Med Ann DC 42:435-9, Sep 73
ADRENAL GLAND HYPOFUNCTION, complications/ ATROPHY, complications/ FEEDBACK/ HUMAN/ HYPOTHALAMUS, secretion/ *HYPOTHYROIDISM/ HYPOTHYROIDISM, classification/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, physiopathology/ HYPOTHYROIDISM, therapy/ MYXEDEMA, etiology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, surgery/ THYROID GLAND/ THYROID GLAND, metabolism/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, secretion

Pixberg HU, Pfannenstiel P: Die Bedeutung des TRH in der Differentialdiagnose von Schilddrüsenerkrankungen. Radiol Diagn (Berl) 14:235-8, 1973 (Ger)
ENGLISH ABSTRACT/ HUMAN/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, diagnostic use

Planas J, Frieden E: Serum iron and ferroxidase activity in normal, copper-deficient, and estrogenized roosters. Am J Physiol 225:423-8, Aug 73
ANEMIA, HYPOCHROMIC, metabolism/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ *CERULOPLASMIN, metabolism/ CHICKENS/ *COPPER/ COPPER, therapeutic use/ DEFICIENCY DISEASES, metabolism/ DIET/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ HEMATOCRIT/ HEMOGLOBIN/ *IRON, blood/ LIVER, metabolism/ MALE/ MILK/ OXIDOREDUCTASES, metabolism/ SILVER, pharmacodynamics/ TIME FACTORS/ ZINC, pharmacodynamics

Plantz PE, Patton S, Keenan TW: Further evidence of plasma membrane material in skim milk. J Dairy Sci 56:978-83, Aug 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ CENTRIFUGATION/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CYTOCHROME REDUCTASES, analysis/ FEMALE/ GEL FILTRATION/ GLYCOSIDE HYDROLASES, analysis/ LACTATION/ LACTOSE SYNTHETASE, analysis/ MICROSCOPY, ELECTRON/ *MILK, analysis/ PHOSPHOLIPIDS, analysis/ PREGNANCY/ TRIGLYCERIDES, analysis

3313. **Plasse JC, Lisboa BP**: Metabolism of 5alpha-dihydrotesterone in the rat prostate. Acta Endocrinol [Suppl] (Kbh) 173:133, 1973
ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ GEL FILTRATION/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ MALE/ NADP, pharmacodynamics/ *PROSTATE, metabolism/ RATS/ *STANOLONE, metabolism/ STEROLS, metabolism/ TRITIUM

3314. **Platt H**: Septicaemia in the foal. A review of 61 cases. Br Vet J 129:221-9, May-Jun 73
ACTINOBACILLUS, isolation & purification/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ARTHRITIS, INFECTIOUS, veterinary/ CORYNEBACTERIUM PYOGENES, isolation & purification/ ESCHERICHIA COLI, isolation & purification/ GAMMA GLOBULIN/ GLOSSITIS, veterinary/ *HORSE DISEASES, microbiology/ HORSE DISEASES, mortality/ HORSES/ KIDNEY, microbiology/ LIVER, microbiology/ MENINGITIS, veterinary/ PERITONITIS, veterinary/ SALMONELLA TYPHIMURIUM, isolation & purification/ SEPTICEMIA, microbiology/ SEPTICEMIA, mortality/ *SEPTICEMIA, veterinary/ STREPTOCOCCUS, isolation & purification/ UMBILICAL CORD, microbiology

3315. **Plaut SM**: Testicular morphology in rats vasectomized as adults. Science 181:554-5, 10 Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ MALE/ ORGAN WEIGHT/ RATS/ *TESTIS, anatomy & histology/ *VASECTOMY

3316. **Plaut SM, Davis JM**: Effects of mother-litter separation on survival, growth, and brain amino acid levels. Physiol Behav 8:43-51, Jan 72
ALANINE, analysis/ *AMINO ACIDS, analysis/ AMINOBUTYRIC ACID, analysis/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *ANIMALS, NEWBORN, growth & development/ ASPARTIC ACID, analysis/ BODY WEIGHT/ BRAIN, anatomy & histology/ *BRAIN CHEMISTRY/ FEMALE/ GLUTAMATES, analysis/ HOUSING, ANIMAL/ LACTATION/ MALE/ MATERNAL BEHAVIOR/ *MATERNAL DEPRIVATION/ ORGAN WEIGHT/ RATS/ SOCIAL BEHAVIOR/ THREONINE, analysis/ WEANING

3317. **Plummer G, Coleman PL, Cleveland PH, et al**: Neurovirulence of equine herpesvirus type I in mice of different ages. J Infect Dis 128:202-10, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BRAIN, microbiology/ BRAIN, pathology/ *BRAIN DISEASES, etiology/ ENCEPHALITIS, drug therapy/ ENCEPHALITIS, etiology/ HERPESVIRUS, growth & development/ HERPESVIRUS, isolation & purification/ *HERPESVIRUS, pathogenicity/ HYDROCORTISONE, therapeutic use/ KIDNEY, pathology/ LIVER, microbiology/ MICE/ RABBITS/ TISSUE CULTURE/ VIRULENCE

3318. **Pöch G, Kukovetz WR**: Studies on the possible role of cyclic AMP in drug-induced coronary vasodilatation. Adv Cyclic Nucleotide Res 1:195-211, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ ARTERIES, enzymology/ ARTERIES, metabolism/ CARBON ISOTOPES/ CATTLE/ CORONARY VESSELS, drug effects/ *CORONARY VESSELS, enzymology/ CORONARY VESSELS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MODELS, BIOLOGICAL/ MYOCARDIUM, enzymology/ PAPAVERINE,

pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ TRITIUM/ *VASODILATOR AGENTS, pharmacodynamics

3319. **Pochechueva GS:** Vliianie gipotalamusa na dvigatel'nuiu aktivnost' tonkogo kishechnika pri lokal'nom obluchenii golovy i oblasti zhivota u sobak. Radiobiologiia 12:931-4, Nov-Dec 72 **(Rus)**
*ABDOMEN, radiation effects/ ANIMAL EXPERIMENTS/ DOGS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ENGLISH ABSTRACT/ *GASTROINTESTINAL MOTILITY, radiation effects/ *HEAD, radiation effects/ *HYPOTHALAMUS, radiation effects/ *RADIATION EFFECTS/ TIME FACTORS

3320. **Podhradský J:** Triorchismus.
Rozhl Chir 52:396-9, Jun 73 **(Cze)**
ABNORMALITIES, pathology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *TESTIS, abnormalities/ TESTIS, pathology

3321. **Podoba V, Rizkallah TH, Kelly WG:** Radioimmunoassay for estrogens in maternal blood in late pregnancy: values for normal and complicated pregnancy.
Am J Obstet Gynecol 117:321-30, 1 Oct 73
ADOLESCENCE/ ADULT/ ANTIBODIES, analysis/ ANTIGENS/ *ESTRIOL, blood/ FEMALE/ FETAL DEATH, diagnosis/ GAMMA GLOBULIN/ HUMAN/ HYPERTENSION, blood/ IMMUNE SERUMS/ INFANT, NEWBORN/ METHODS/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, blood/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS/ TRITIUM/ ULTRASONICS

3322. **Poenaru S, Poenaru L:** L'exploration electrophysiologique de la tetanie feminine hyperoestrogenique.
Electromyogr Clin Neurophysiol 13:201-27, 1973 **(Fre)**
*BRAIN, physiopathology/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ *ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ *ESTROGENS/ FEMALE/ HUMAN/ *MUSCLES, physiopathology/ TETANY, etiology/ *TETANY, physiopathology

3323. **Pohorecky LA, Baliga BS:** Purification and properties of rat adrenal phenylethanolamine-N-methyl transferase. Arch Biochem Biophys 156:703-11, Jun 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, enzymology/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ FEMALE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *METHYLTRANSFERASES/ NOREPINEPHRINE/ NORSYNEPHRINE/ PHENETHANOLAMINE N-METHYLTRANSFERASE/ PHENETHANOLAMINE N-METHYLTRANSFERASE, analysis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, antagonists & inhibitors/ PHENETHANOLAMINE N-METHYLTRANSFERASE, isolation & purification/ PRECIPITIN TESTS/ RABBITS, immunology/ RATS/ TEMPERATURE/ TYRAMINE

3324. **Pohorecky LA, Baliga BS, Wurtman RJ, et al:** Adrenocortical control of catecholamine metabolism in the dog adrenal medulla: relationship to protein synthesis. Endocrinology 93:566-74, Sep 73
ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ *ADRENAL MEDULLA, metabolism/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ ANTIBODIES/ *CATECHOLAMINES, biosynthesis/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, pharmacodynamics/ DOGS/ EPINEPHRINE, biosynthesis/ METHYLTRANSFERASES/ NOREPINEPHRINE biosynthesis/ *PITUITARY GLAND, physiology/ POLYRIBOSOMES, drug effects/ *PROTEINS, biosynthesis/ RABBITS, immunology/ TRITIUM/ TYROSINE, metabolism

3325. **Pokorná Z, Pekárek J, Svejcar J:** The use of an in vitr test of delayed hypersensitivity for the study experimental autoimmune aspermatogenesis.
Folia Biol (Praha) 19:187-93, 1973
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ *AUTOIMMUN DISEASES, immunology/ CELL MIGRATION INHIBITION/ DISEASE MODELS, ANIMAL/ *HYPERSENSITIVITY, DELAYED, immunology/ IMMUNITY, CELLULAR/ MALE MICE/ *SPERMATOGENESIS/ SPERMATOZOA immunology/ SPLEEN, immunology/ *STERILITY, MALE, immunology/ TESTIS, immunology

3326. **Poland BJ, Ash KA:** The influence of recent use of a oral contraceptive on early intrauterine developmen
Am J Obstet Gynecol 116:1138-42, 15 Aug 73
*ABNORMALITIES, DRUG-INDUCED, occurrence/ *ABORTION, chemically induced/ CANADA/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *FETAL DISEASES, chemically induced/ FETAL MEMBRANES, pathology/ *FETUS, pathology/ GESTATIONAL AGE/ HUMAN/ MATERNAL AGE/ PARITY/ PREGNANCY/ STATISTICS

3327. **Polano MK, Ponec M, Smeenk G, et al:** Facto influencing the penetration of corticosteroids through the epidermis.
Adv Biol Skin 12:325-38, 1972 (19 ref.)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES/ ADULT/ ALCOHOL, ETHYL/ BUTYRATES, metabolism/ BUTYRATES, therapeutic use/ CARBON ISOTOPES/ CHILD DIFFUSION/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage HYDROCORTISONE, metabolism/ HYDROCORTISONE, therapeutic use/ HYDROCORTISONE, urine/ KINETICS/ MALE NICOTINIC ACID, metabolism/ PSORIASIS, drug therapy/ REVIEW/ *SKIN ABSORPTION SKIN ABSORPTION, drug effects/ TEMPERATURE/ TIME FACTORS/ TRYPSIN pharmacodynamics/ VEHICLES

3328. **Poletto JF, Allen GR Jr, Sloboda AE, et al:** Synthes and antiinflammatory evaluation of certain 5-alkoxy-2,7-dialkyltryptamines.
J Med Chem 16:757-65, Jul 73
ADRENALECTOMY/ ANALGESICS AND ANTIPYRETICS, chem synthesis/ ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, chem synthesis/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, drug therapy/ CARRAGEENAN/ EDEMA, chemically induced EDEMA, drug therapy/ ERYTHEMA, drug therapy/ FEVER, drug therapy/ FOOT/ GUINEA PIGS/ MICE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TRYPTAMINES, chem synthesis/ TRYPTAMINES, therapeutic use

3329. **Pollack JA, Schiller AL, Crawford JD:** Rickets a myopathy cured by removal of a nonossifying fibron of bone. Pediatrics 52:364-71, Sep 73
ALKALINE PHOSPHATASE, blood/ BONE AND BONES, pathology/ *BONE NEOPLASM surgery/ CHILD/ *FIBROMA, surgery/ HEMORRHAGE, pathology/ HUMAN/ KIDNEY metabolism/ MALE/ MUSCLES, pathology/ MUSCULAR DISEASES, complications/ *MUSCULAR DISEASES, surgery/ PHOSPHATES, metabolism/ PHOSPHATES, therapeutic use/ PHOSPHORUS, blood/ RICKETS, complications/ RICKETS, drug

therapy/ RICKETS, radiography/ *RICKETS, surgery/ SCLEROSIS, radiography/ VITAMIN D, administration & dosage/ VITAMIN D, therapeutic use

0. **Pollack RS**: Idiosyncracies of parathyroid hyperfunction. Oncology 27:394-405, 1973
*ADENOMA, diagnosis/ ADENOMA, surgery/ ADENOMATOSIS, FAMILIAL ENDOCRINE, pathology/ ADULT/ AGED/ AUTOPSY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, pathology/ HYPERPLASIA/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery/ THYROID NEOPLASMS, complications

. **Poiosa P, Vigneri R, Papalia D, et al**: Inhibition by L-triiodothyronine and dexamethasone of TSH response to thyrotropin releasing hormone in man. Ann Endocrinol (Paris) 33:593-7, Nov-Dec 72
ADOLESCENCE/ ADULT/ *DEXAMETHASONE, pharmacodynamics/ HUMAN/ MIDDLE AGE/ *THYROTROPIN, blood/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

. **Poniecki A, Grabowski R, Franecki G**: Clearance tkankowy izotopu 131J naczyń kończyn dolnych w cukrzycy.
Wiad Lek 26:1119-23, 15 Jun 73 (Pol)
ADOLESCENCE/ ADULT/ AGED/ *BLOOD VESSELS, metabolism/ *DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES/ *LEG, blood supply/ MALE/ MIDDLE AGE/ SEX FACTORS/ TIME FACTORS

Ponsold K, Schnabel R, Grosse P, et al: Darstellung und experimentelle Befunde zur östrogenen, antigonadotropen und fertilitätshemmenden Aktivität von 17beta-Carbamoyloxyöstra-1.3.5(10)-trienen.
Pharmazie 28:371-6, Jun 73 (Ger)
ANIMAL EXPERIMENTS/ CARBAMATES, chem synthesis/ CARBAMATES, pharmacodynamics/ CHEMISTRY/ ESTRANES, chem synthesis/ *ESTRANES, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ GONADOTROPINS, antagonists & inhibitors/ MALE/ MESTRANOL, pharmacodynamics/ RATS

Pont'uch A, Sklovská M, Cečetková V: Diagnostické a terapeutické problémy s ovariálnou endometriózou.
Cesk Gynekol 38:20-1, 1973 (Slo)
ADULT/ CULDOSCOPY/ *ENDOMETRIOSIS/ ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS, surgery/ FEMALE/ HUMAN/ LAPAROSCOPY/ MIDDLE AGE/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, surgery

Poonawalla NH, Dardenne MU, Hellweg W: Untersuchung zur Klärung der Zusammenhänge zwischen dem Exophthalmus Produzierenden Faktor aus dem Thyreoidalen Faktor aus dem Hypophysenvorderlappen.
Doc Ophthalmol 35:297-307, 27 Jul 73 (Ger)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *EXOPHTHALMOS PRODUCING SUBSTANCE, metabolism/ HEART/ IODINE ISOTOPES/ MICE/ *PITUITARY GLAND, secretion/ PROTEIN-BOUND IODINE TEST/ PUNCTURES/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROTROPIN, analysis/ *THYROTROPIN, metabolism/ THYROTROPIN, secretion/ THYROXINE, pharmacodynamics

3336. Popov PG, Kavrakirova SV, Maleev AC: Effect of olivomycin on the induced synthesis of tyrosine aminotransferase and tryptophan oxygenase in rat liver. Biochem Pharmacol 22:1526-9, 15 Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ DRUG SYNERGISM/ ENZYME ACTIVATION, drug effects/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ METHEMOGLOBIN, pharmacodynamics/ *OLIVOMYCIN, pharmacodynamics/ RATS/ TRYPTOPHAN, pharmacodynamics/ *TRYPTOPHAN OXYGENASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, biosynthesis

3337. Popova NK, Naumenko EV: Dominance relations and the pituitary-adrenal system in rats.
Anim Behav 20:108-11, Feb 72
ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CROWDING/ FORMALDEHYDE, pharmacodynamics/ HOUSING, ANIMAL/ MALE/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ SEASONS/ SLEEP/ SOCIAL BEHAVIOR/ *SOCIAL DOMINANCE/ SOCIAL ISOLATION/ STRESS, PSYCHOLOGICAL/ WAKEFULNESS

3338. Popovici D: Hipertiroidism si cardiotireoză, limite si mecanisme fiziopatologice. (Explorare cardio-hemodinamică integrată.
Stud Cercet Endocrinol 24:263-74, 1973 (Rum)
*HEART DISEASES, etiology/ HEART FUNCTION TESTS/ HUMAN/ *HYPERTHYROIDISM, complications/ THYROID GLAND FUNCTION TESTS

3339. Popovtzer MM, Katz FH, Pinggera WF, et al: Hyperkalemia in salt-wasting nephropathy. Study of the mechanism. Arch Intern Med 132:203-8, Aug 73
ALDOSTERONE, blood/ BICARBONATES, therapeutic use/ DESOXYCORTICOSTERONE, therapeutic use/ FUROSEMIDE, diagnostic use/ GLOMERULAR FILTRATION RATE/ GLUCOSE, therapeutic use/ HUMAN/ HYPERKALEMIA, complications/ HYPERKALEMIA, drug therapy/ *HYPERKALEMIA, etiology/ INSULIN, therapeutic use/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, physiopathology/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, etiology/ POTASSIUM, blood/ POTASSIUM, metabolism/ POTASSIUM, urine/ SODIUM, administration & dosage/ SODIUM, blood/ *SODIUM, metabolism/ SODIUM, therapeutic use/ SODIUM, urine

3340. Popovtzer MM, Pinnggera W, Katz FH, et al: Variations in arterial blood pressure after kidney transplantation. Relation to renal function, plasma renin activity, and the dose of prednisone.
Circulation 47:1297-305, Jun 73
ADOLESCENCE/ ADULT/ BLOOD PRESSURE, drug effects/ CHILD/ CREATININE, metabolism/ FEMALE/ GLOMERULAR FILTRATION RATE/ *GRAFT REJECTION/ GRAFT REJECTION, drug effects/ HEMODIALYSIS/ HUMAN/ *HYPERTENSION, RENAL/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY FUNCTION TESTS/ MALE/ NATRIURESIS/ *PREDNISONE, therapeutic use/ *RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS

3341. Portanova R, Sayers G: Isolated pituitary cells: CRF-like activity of neurohypophysial and related polypeptides. Proc Soc Exp Biol Med 143:661-6, Jul 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOTROPIN, secretion/ *CORTICOTROPIN RELEASING FACTOR/ CORTICOTROPIN RELEASING FACTOR, analysis/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, physiology/ IN VITRO/ MALE/ PEPTIDES, administration & dosage/ *PEPTIDES, pharmacodynamics/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, secretion/ RATS/ VASOPRESSIN,

administration & dosage/ *VASOPRESSIN, pharmacodynamics

3342. **Portanova R, Sayers G:** An in vitro assay for corticotropin releasing factor(s) using suspensions of isolated pituitary cells.
Neuroendocrinology 12:236-48, 1973
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ *CELLS, secretion/ CEREBRAL CORTEX/ CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, secretion/ *CORTICOTROPIN RELEASING FACTOR, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS/ MALE/ METHODS/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ RATS/ TISSUE EXTRACTS, administration & dosage/ TISSUE EXTRACTS, pharmacodynamics/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, pharmacodynamics

3343. **Porte D Jr, Robertson RP:** Control of insulin secretion by catecholamines, stress, and the sympathetic nervous system. Fed Proc 32:1792-6, Jul 73 (68 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ CAFFEINE, pharmacodynamics/ *CATECHOLAMINES, metabolism/ DIAZOXIDE, pharmacodynamics/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HYPOTHERMIA, metabolism/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ PANCREAS, innervation/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ REVIEW/ *STRESS, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ THEOPHYLLINE, pharmacodynamics

3344. **Posner AS:** Bone mineral on the molecular level.
Fed Proc 32:1933-7, Sep 73 (47 ref.)
ADSORPTION/ BONE AND BONES, analysis/ *BONE AND BONES, metabolism/ CALCIUM PHOSPHATES, analysis/ *CALCIUM PHOSPHATES, metabolism/ FEMUR, analysis/ FIBULA, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROXYAPATITE, analysis/ HYDROXYAPATITE, metabolism/ MICROSCOPY, ELECTRON/ REVIEW/ SCATTERING/ SPECTROPHOTOMETRY, INFRARED/ TEMPERATURE/ TIBIA, analysis/ X-RAY DIFFRACTION

3345. **Posner BI:** Insulin metabolizing enzyme activities in human placental tissue. Diabetes 22:552-63, Jul 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ DIALYSIS/ FEMALE/ GLUCAGON, pharmacodynamics/ GLUTATHIONE, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INSULIN, metabolism/ MUSCLES, enzymology/ NADP, metabolism/ OXIDATION-REDUCTION/ OXYTOCIN, pharmacodynamics/ *PEPTIDE HYDROLASES, metabolism/ PLACENTA, drug effects/ *PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY IN DIABETES, metabolism/ PROINSULIN, pharmacodynamics/ RATS/ SERUM ALBUMIN, pharmacodynamics/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ SOMATOTROPIN, pharmacodynamics/ SULFHYDRYL COMPOUNDS, metabolism/ SULFHYDRYL COMPOUNDS, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

3346. **Postlethwait JH, Weiser K:** Vitellogenesis induced by juvenile hormone in the female sterile mutant apterous-four in Drosophila melanogaster.
Nature [New Biol] 244:284-5, 29 Aug 73
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER, drug effects/ DROSOPHILA MELANOGASTER, embryology/ FEMALE/ GENOTYPE/ *JUVENILE HORMONES, pharmacodynamics/ LARVA, drug effects/ MUTATION/ OVARY, drug effects/ PUPA, drug effects/ STERILITY, FEMALE/ VITELLINE MEMBRANE, drug effects/ *VITELLINE MEMBRANE, growth & development

3347. **Potashnik G, Ben-Adereth N, Leventhal H:** Placent chorioangioma.
Am J Obstet Gynecol 117:296, 15 Sep 73
FEMALE/ *HEMANGIOMA, complications/ HUMAN/ INFANT, NEWBORN/ *PLACENTA DISORDERS, complications/ PLACENTA PRAEVIA, complications/ PREGNANCY

3348. **Potter JC, Boyer AC, Marxmiller RL, et al:** Radioisotope residues and residues of dichlorvos an its metabolites in pregnant sows and their proge dosed with dichlorvos- 14 C or dichlorvos- 36 formulated as PVC pellets.
J Agric Food Chem 21:734-8, Jul-Aug 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBON ISOTOPES, metabolism/ CHLORINE/ CHLORINE, metabolism/ DICHLORVOS, administration & dosage/ *DICHLORVOS, metabolism/ DOSAGE FORMS FECES, analysis/ FEMALE/ HYDROCARBONS HALOGENATED, metabolism/ LACTATION/ MATERNAL-FETAL EXCHANGE/ ORGAN SPECIFICITY/ POLYVINYLS/ POLYVINYLS, metabolism/ *PREGNANCY/ RADIOISOTOPES SWINE/ TIME FACTORS

3349. **Poulain P:** Excitation des neurones de l'hypothalam médian par le glutamate et l'acétylcholine appliqu par iontophorèse chez le cobaye.
C R Soc Biol (Paris) 166:1723-6, 1972 (Fr
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *GLUTAMATES, pharmacodynamics/ GUINEA PIGS/ *HYPOTHALAMUS, drug effects/ IONTOPHORESIS/ METHODS/ *NEURONS, drug effects

3350. **Poulsen K:** Measurements of renin-angiotensin-aldosterone.
Pharmacol Rev 25:249-57, Jun 73 (70 ref.)
*ALDOSTERONE, blood/ ANGIOTENSIN, biosynthesis/ *ANGIOTENSIN, blood/ ANTIBODY SPECIFICITY/ HUMAN/ KINETICS/ METHODS/ RADIOIMMUNOASSAY/ RENIN, antagonists & inhibitors/ *RENIN, blood/ REVIEW/ TIME FACTORS

3351. **Powis G:** The accumulation and metabolism o (-)-noradrenaline by cells in culture.
Br J Pharmacol 47:568-75, Mar 73
CARBON ISOTOPES/ CATECHOL, pharmacodynamics/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CATECHOL METHYLTRANSFERASE, metabolism/ CATTLE/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ EMBRYO/ ESTRADIOL, pharmacodynamics/ GLYCOLS, pharmacodynamics/ KINETICS/ MANDELIC ACID, pharmacodynamics/ METHOXYHYDROXYPHENYL GLYCOL, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ MUSCLE, SMOOTH, enzymology/ MUSCLE, SMOOTH, metabolism/ *NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ TIME FACTORS/ TRACHEA, metabolism

3352. **Powles TJ, Easty DM, Easty GC, et al:** Tumour-induc osteolysis. Lancet 2:504, 1 Sep 73
ASPIRIN, pharmacodynamics/ BONE RESORPTION, drug effects/ BONE RESORPTION, enzymology/ *BONE RESORPTION, etiology/ ENZYME INDUCTION/ LYSOSOMES, enzymology/ NEOPLASMS, physiopathology/ *PARATHYROID HORMONE, physiology/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ VITAMIN antagonists & inhibitors

. **Powles TJ, Easty DM, Easty GC, et al:** The in-vitro detection of the calcium-mobilising properties of mammary carcinoma. J Pathol 109:piv, Jan 73
ADENOMA, metabolism/ BONE RESORPTION/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ ORGAN CULTURE/ PARATHYROID NEOPLASMS, metabolism/ SKULL, metabolism

Powles TJ, Easty DM, Easty GC, et al: Aspirin inhibition of in vitro osteolysis stimulated by parathyroid hormone and PGE1.
Nature [New Biol] 245:83-4, 19 Sep 73
ANIMALS, NEWBORN/ *ASPIRIN, pharmacodynamics/ *BONE RESORPTION, drug effects/ CALCIUM ISOTOPES/ MICE, INBRED BALB C/ ORGAN CULTURE/ *PARATHYROID HORMONE, antagonists & inhibitors/ PARATHYROID HORMONE, pharmacodynamics/ *PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics

Prasad AS, Oberleas D: Ribonuclease and deoxyribonuclease activities in zinc-deficient tissues.
J Lab Clin Med 82:461-6, Sep 73
ANIMAL EXPERIMENTS/ BONE AND BONES, enzymology/ DEFICIENCY DISEASES, enzymology/ *DEOXYRIBONUCLEASE, metabolism/ DNA/ HYDROGEN-ION CONCENTRATION/ KIDNEY, enzymology/ MALE/ METHODS/ RATS/ *RIBONUCLEASE, metabolism/ RNA/ TEMPERATURE/ TESTIS, enzymology/ THYMUS GLAND, enzymology/ *ZINC

Prasad MR, Rajalakshmi M, Gupta G, et al: Control of epididymal function.
J Reprod Fertil [Suppl] 18:215-22, Jul 73 (18 ref.)
AGE FACTORS/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ EPIDIDYMIS, drug effects/ *EPIDIDYMIS, physiology/ HAMSTERS/ MALE/ NEURAMINIC ACIDS, secretion/ PYRROLES, pharmacodynamics/ RATS/ REVIEW/ *SPERMATOZOA, physiology/ TESTOSTERONE, pharmacodynamics

'remachandra BN, Ibrahim II: Microangiopathy and early diabetic-like sugar tolerances in animals with induced thyroid immunity.
Adv Metab Disord 2:Suppl 2:235-43, 1973
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *DIABETIC ANGIOPATHIES, chemically induced/ DIABETIC NEPHROPATHIES, pathology/ DISEASE MODELS, ANIMAL/ EPINEPHRINE, diagnostic use/ *FREUND'S ADJUVANT, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ INSULIN, blood/ INSULIN, diagnostic use/ KIDNEY, pathology/ *MICROCIRCULATION/ MICROSCOPY, FLUORESCENCE/ RABBITS/ *THYROGLOBULIN/ THYROID GLAND, drug effects/ *THYROID GLAND, immunology

'esant CA, Safdar SH: Oxymetholone in myelofibrosis and chronic lymphocytic leukemia.
Arch Intern Med 132:175-8, Aug 73
AGED/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD TRANSFUSION/ CHRONIC DISEASE/ EDEMA, chemically induced/ FEMALE/ HEMOGLOBINOMETRY/ HEPATITIS, TOXIC, etiology/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, complications/ *LEUKEMIA, LYMPHOCYTIC, complications/ MALE/ MIDDLE AGE/ MYELOFIBROSIS, complications/ *MYELOFIBROSIS, complications/ OXYMETHOLONE, administration & dosage/ OXYMETHOLONE, adverse effects/ *OXYMETHOLONE, therapeutic use/ RETICULOCYTES/ URIC ACID, blood/ VIRILISM, chemically induced

esl J: Matematické modelování menstruního cyklu.
esk Gynekol 38:108-9, 1973 (Cze)

FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *MENSTRUATION/ MODELS, BIOLOGICAL

3360. **Presl J:** Poškození vývoje regulačních mechanismů ovariálního cyklu lidským choriaálním gonadotropinem. Cesk Gynekol 38:109-10, 1973 (Cze)
FEMALE/ *GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ OVARIAN CYSTS, etiology/ *OVARY, physiology/ PREGNANCY/ PREGNANCY TOXEMIAS, physiopathology

3361. **Presl J:** Diferenciace hypothalamického pohlaví u subhumánních primátů a u člověka.
Cesk Gynekol 38:446-54, Jul 73 (Cze)
FEMALE/ GESTATIONAL AGE/ GUINEA PIGS/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, embryology/ *HYPOTHALAMUS, embryology/ MALE/ MONKEYS/ PREGNANCY/ RATS/ *SEX DETERMINATION

3362. **Presl J, Pospíšil J, Figarová V:** Vývojové změny v ukládání 125I-HCG do mozku krysí samice.
Cesk Gynekol 38:91-4, 1973 (Cze)
AGE FACTORS/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ IODINE ISOTOPES/ OVARY, metabolism/ RATS

3363. **Prezyna A, Attallah A, Vance K, et al:** A newly recognized structure of renomedullary interstitial cell origin associated with high prostaglandin content.
Prostaglandins 3:669-78, May 73
ADENOCARCINOMA, pathology/ ADULT/ AGED/ AUTOPSY/ FEMALE/ HUMAN/ KIDNEY, analysis/ *KIDNEY, pathology/ KIDNEY CORTEX, analysis/ KIDNEY CORTEX, pathology/ KIDNEY MEDULLA, analysis/ KIDNEY MEDULLA, pathology/ *KIDNEY NEOPLASMS, pathology/ LIPIDS, analysis/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ *PROSTAGLANDINS, analysis/ RADIOIMMUNOASSAY

3364. **Přibyl T, Kraml J, Schreiber V:** Interaction of thyroxine with rat adenohypophysial proteins in vitro.
Folia Biol (Praha) 19:203-9, 1973
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ IODINE ISOTOPES/ MALE/ *PITUITARY GLAND, metabolism/ *PROTEIN BINDING/ PROTEIN BINDING, drug effects/ RATS/ *THYROXINE, metabolism/ *THYROXINE-BINDING PROTEIN, metabolism/ UREA, pharmacodynamics

3365. **Price JL:** An autoradiographic study of complementary laminar patterns of termination of afferent fibers to the olfactory cortex.
J Comp Neurol 150:87-108, 1 Jul 73
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ AXONS/ *CEREBRAL CORTEX, anatomy & histology/ NEURONS, AFFERENT/ OLFACTORY BULB, anatomy & histology/ *OLFACTORY NERVE, anatomy & histology/ OLFACTORY PATHWAYS, anatomy & histology/ PYRAMIDAL TRACTS, anatomy & histology/ RATS/ *SMELL

3366. **Priestnall R:** Effects of handling on maternal behaviour in the mouse (Mus musculus): an observational study.
Anim Behav 21:383-6, May 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *BEHAVIOR, ANIMAL/ DRINKING BEHAVIOR/ EATING/ EMOTIONS/ FEMALE/ GROOMING/ *HANDLING (PSYCHOLOGY)/ HOUSING, ANIMAL/ LACTATION/ LOCOMOTION/ MALE/ *MATERNAL BEHAVIOR/ MICE/ NESTING BEHAVIOR/ PREGNANCY/ STRESS, PSYCHOLOGICAL

3367. **Prijot E, Barzin L, Destexhe B:** Essai de traitement

hormonal de la kerato-conjonctivite sèche. Bull Soc Belge Ophtalmol 162:795-800, 1972 (Fre)
APPETITE DISORDERS, chemically induced/ BREAST, drug effects/ ESTRIOL, adverse effects/ *ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ *KERATOCONJUNCTIVITIS, drug therapy/ LACRIMAL APPARATUS, drug effects/ NAUSEA, chemically induced

3368. **Prince A, Alvarez FS, Young J:** Preparation of prostaglandins A2, E2 and 11-epi-E2 from their 15 acetates methyl esters using an endogenous enzyme system present in Plexaura homomalla (esper). Prostaglandins 3:531-5, Apr 73
ACETATES/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ COELENTERATA, enzymology/ COELENTERATA, metabolism/ ESTERS/ GELS/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ METHYLATION/ *PROSTAGLANDINS, isolation & purification/ SILICONES

3369. **Přívara M, Rek A:** Mikroanalýza kalcia a fosforu v ploténce třmínku postižené otosklerózou. Cesk Otolaryngol 22:214-7, Aug 73 (Cze)
*CALCIUM, analysis/ CALCIUM, metabolism/ *EAR OSSICLES, metabolism/ ENGLISH ABSTRACT/ HUMAN/ MICROCHEMISTRY/ *OTOSCLEROSIS, metabolism/ *PHOSPHORUS, analysis/ PHOSPHORUS, metabolism

3370. **Prokhonova MI, Tumanova SIu:** Intensivnost' obmena otdel'nykh gangliozidov mozga v norme pizi razlichnykh vozdeĭstuiiakh. Ukr Biokhim Zh 44:707-11, 1972 (Rus)
ACETATES, metabolism/ AMINES, pharmacodynamics/ AZO COMPOUNDS/ *BRAIN CHEMISTRY/ CARBON ISOTOPES/ CHLORAL HYDRATE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ENGLISH ABSTRACT/ *GANGLIOSIDES, metabolism/ SEROTONIN, pharmacodynamics

3371. **Proye C, Kerreneur JM, Lagache C:** Une observation de monstrueuse tumeur maligne de la surrénale avec envahissement de la veine cave inférieure sus-hépatique. Problèmes d'indication thérapeutique et de tactique opératoire. Lille Med 18:349-51, Mar 73 (Fre)
*ADRENAL GLAND NEOPLASMS, surgery/ FEMALE/ HUMAN/ *PULMONARY EMBOLISM, prevention & control/ *VENA CAVA, INFERIOR

3372. **Prudnikova RV:** Patogeneticheskie faktory tireotoksicheskogo serdtsa. Vrach Delo 1:37-41, Jan 73 (Rus)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HEART DISEASES, etiology/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ THYROID HORMONES, pharmacodynamics

3373. **Pruett RC, Wepsic JG:** Delayed diagnosis of chiasmal compression. Am J Ophthalmol 76:229-36, Aug 73
ADENOMA, CHROMOPHOBE, complications/ ADULT/ AGED/ ANGIOGRAPHY/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ CRANIOPHARYNGIOMA, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MENINGIOMA, complications/ MENINGIOMA, diagnosis/ MIDDLE AGE/ *NERVE COMPRESSION SYNDROMES, diagnosis/ NERVE COMPRESSION SYNDROMES, etiology/ *OPTIC CHIASM/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ RETINAL DEGENERATION, diagnosis/ RETINAL DEGENERATION, etiology/ *VISION DISORDERS, etiology/ VISUAL ACUITY/ VISUAL FIELDS

3374. **Przybyl L, Salwa-Kubasik W, Urbański K, et al:** Wyniki leczenia immunosupresyjnego zespołu nerczycowego. Pol Tyg Lek 28:990-3, 25 Jun 73 (Pol)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BIOPSY/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeut use/ KIDNEY, pathology/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, pathology

3375. **Puckett CL, Gervin AS, Rhodes GR, et al:** Role platelets and serotonin in acute massive pulmon embolism. Surg Gynecol Obstet 137:618-22, Oct
ACUTE DISEASE/ AIRWAY RESISTANCE/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ *BLOOD PLATELETS/ DOGS/ HEMATOCRIT/ HEPARIN, administration & dosage/ LUNG COMPLIANCE/ PULMONARY EMBOLISM, blood/ *PULMONARY EMBOLI etiology/ PULMONARY EMBOLISM, physiopathology/ RESERPINE, administratio & dosage/ *SEROTONIN, blood

3376. **Pugh WE, Vogt RF, Gibson RA:** Primary ova pregnancy and the intrauterine device. Obstet Gynecol 42:218-22, Aug 73
ADNEXITIS, diagnosis/ ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, adve effects/ OVARIAN CYSTS, diagnosis/ OVARY/ OVARY, pathology/ PREGNANCY/ *PREGNANCY, ECTOPIC/ PREGNANCY, ECTOPIC, diagnosis/ PREGNANCY, ECTOP etiology/ PREGNANCY, ECTOPIC, patholog PREGNANCY, ECTOPIC, surgery

3377. **Pullman TN, Coe FL:** Chronic renal failure. Clin Symp 25:2-32, 1973
ACID-BASE EQUILIBRIUM/ ANGIOTENSIN physiology/ CALCIUM, metabolism/ CREATININE, metabolism/ HUMAN/ *KIDN FAILURE, CHRONIC/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILUR CHRONIC, etiology/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ REN physiology/ SODIUM, metabolism/ UREA, metabolism/ UREMIA, etiology

3378. **Purdy RH, Rao PN, Zoeller JH Jr:** Alkylation of b corticosteroid acetyltransferase by 17-hydroxyprogesterone 17-(9-oxo-10-chlorodecanoate) and related compounds. Steroids 22:139-50, Jul 73
ACETYLTRANSFERASES, antagonists & inhibitors/ *ACETYLTRANSFERASES, metabolism/ ALKYLATION/ BRAIN, drug effects/ *BRAIN, enzymology/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, pharmacodynamics/ FAT ACIDS, pharmacodynamics/ HYDROCORTISONE/ HYDROXYPROGESTERONE, chem synthesi *HYDROXYPROGESTERONE, pharmacodynamics/ KETO ACIDS, pharmacodynamics/ KINETICS/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ X-RAY DIFFRACTION

3379. **Pyrig LA:** Steroidnaia terapiia nefroticheskoi f khronicheskogo glomerulonefrita. Vrach Delo 1:82-4, Jan 73
ADOLESCENCE/ ADULT/ CHRONIC DISE *DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ MALE/ NEPHROSIS, drug thera *PREDNISOLONE, therapeutic use/ *TRIAMCINOLONE, therapeutic use

3380. **Pytel-Dąbrowska T:** Zespół Fanconiego u dziewc 6-letniej. Pediatr Pol 48:481-4, Apr 73
ABNORMALITIES, MULTIPLE, pathology/ AUTOPSY/ CHILD/ *FANCONI SYNDROM diagnosis/ FANCONI SYNDROME, patholo FEMALE/ HEMORRHAGE, GASTROINTESTINAL, pathology/ HUMAN

Q

1. **Quadagno DM, McCullough J, Ho GK, et al:** Neonatal gonadal hormones: effect on maternal and sexual behavior in the female rat.
Physiol Behav 11:251-4, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ CASTRATION/ CRITICAL PERIOD (PSYCHOLOGY)/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *MATERNAL BEHAVIOR, drug effects/ NESTING BEHAVIOR, drug effects/ *PROGESTERONE, pharmacodynamics/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ *TESTOSTERONE, pharmacodynamics

2. **Quay WB:** Retrograde perfusions of the pineal region and the question of pineal vascular routes to brain and choroid plexuses. Am J Anat 137:387-401, Aug 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ *CEREBROVASCULAR CIRCULATION/ CHOROID PLEXUS, anatomy & histology/ *CHOROID PLEXUS, blood supply/ CHOROID PLEXUS, physiology/ CRANIAL SINUSES, anatomy & histology/ CRANIAL SINUSES, physiology/ FEMALE/ MALE/ PINEAL BODY, anatomy & histology/ *PINEAL BODY, blood supply/ PINEAL BODY, physiology/ RATS

. **Queiroz PF, Brito E, Martinelli R, et al:** Nephrotic syndrome in patients with Schistosoma mansoni infection. Am J Trop Med Hyg 22:822-8, Sep 73
ADOLESCENCE/ ADULT/ BIOPSY/ BLOOD PRESSURE/ CHOLESTEROL, blood/ CYCLOPHOSPHAMIDE, therapeutic use/ FECES/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, pathology/ HEPATOMEGALY, complications/ HUMAN/ LIVER DISEASES, PARASITIC, complications/ MALE/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, pathology/ PARASITE EGG COUNT/ PREDNISONE, therapeutic use/ PROTEINURIA/ RECTUM/ *SCHISTOSOMA MANSONI/ *SCHISTOSOMIASIS, complications/ SPLENOMEGALY, complications

Quelhorst E, Fuchs C, Henning HV, et al: Anderungen der Calciumfraktionen in Plasma, Dialysat und Ultrafiltrat unter der Hämodialysebehandlung.
Verh Dtsch Ges Inn Med 78:1448-50, 1972 (Ger)
CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ *HEMODIALYSIS/ HUMAN

Quigley MM: Overview of gestational trophoblastic neoplasia. NY State J Med 73:1869-74, 15 Jul 73
ADULT/ CHORIOADENOMA, classification/ CHORIOADENOMA, diagnosis/ CHORIOADENOMA, drug therapy/ CHORIOADENOMA, occurrence/ CHORIOCARCINOMA, classification/ CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, occurrence/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDATIDIFORM MOLE, classification/ HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, drug therapy/ HYDATIDIFORM MOLE, occurrence/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROGNOSIS/ *TROPHOBLASTIC TUMOR/ TROPHOBLASTIC TUMOR, classification/ TROPHOBLASTIC TUMOR, diagnosis/ TROPHOBLASTIC TUMOR, occurrence/ UNITED STATES

Quiring K, Gauger D, Kaiser G, et al: Adenyl cyclase activity in non-nucleated red blood cells: evidence for its localization in the reticulocytes.
Experientia 29:526-7, 15 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, blood/ ADENYL CYCLASE, metabolism/ AGE FACTORS/ ANEMIA, PERNICIOUS, enzymology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ ERYTHROCYTE COUNT/ ERYTHROCYTES, cytology/ ERYTHROPOIESIS/ FLUORIDES, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ PHENYLHYDRAZINE, pharmacodynamics/ RATS/ *RETICULOCYTES, enzymology

3387. **Qureshi SA, Mohiuddin S:** The effect of thiourea on the reproductive potential of the laboratory reared house fly Musca domestica L.
Folia Biol (Krakow) 20:147-52, 1972
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CHEMOSTERILANTS/ FEMALE/ *HOUSEFLIES, drug effects/ HOUSEFLIES, physiology/ MALE/ REPRODUCTION, drug effects/ SEX FACTORS/ THIOUREA, administration & dosage/ *THIOUREA, pharmacodynamics

R

3388. **Rabstein LS, Peters RL, Spahn GJ:** Spontaneous tumors and pathologic lesions in SWR-J mice.
J Natl Cancer Inst 50:751-8, Mar 73
ADENOCARCINOMA, veterinary/ ADRENAL GLAND NEOPLASMS, veterinary/ ANIMAL EXPERIMENTS/ CARCINOMA, EPIDERMOID, veterinary/ FEMALE/ LUNG NEOPLASMS, veterinary/ MALE/ MAMMAE/ MICE/ *MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ PHEOCHROMOCYTOMA, veterinary/ *RODENT DISEASES, occurrence/ RODENT DISEASES, pathology/ STOMACH NEOPLASMS, veterinary

3389. **Rader MD, Flickinger GL, DeVilla GO Jr, et al:** Plasma estrogens in postmenopausal women.
Am J Obstet Gynecol 116:1069-73, 15 Aug 73
ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ CASTRATION/ COMPARATIVE STUDY/ DIABETES MELLITUS, blood/ ENDOMETRIAL HYPERPLASIA, blood/ ENDOMETRIOSIS, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HEART DISEASES, blood/ HUMAN/ HYPERTENSION, blood/ *MENOPAUSE/ MIDDLE AGE/ OVARIAN NEOPLASMS, blood/ RADIOIMMUNOASSAY

3390. **Radev AI:** Vliianie posledovatelnogo primeneniia estriola i progesterona na ekskretsiiu natriia i kaliia i ikh uroven' v pochechnoi tkani.
Probl Endokrinol (Mosk) 19:91-6, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS/ BODY WATER, analysis/ ENGLISH ABSTRACT/ *ESTRIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *KIDNEY, analysis/ KIDNEY CORTEX, analysis/ KIDNEY FUNCTION TESTS/ KIDNEY MEDULLA, analysis/ NATRIURESIS, drug effects/ PHOTOMETRY/ *POTASSIUM, analysis/ *PROGESTERONE, pharmacodynamics/ RATS/ *SODIUM, analysis/ TIME FACTORS/ URINE, analysis

3391. **Radford DJ, Oliver MF:** Oral contraceptives and myocardial infarction. Br Med J 3:428-30, 25 Aug 73
ACUTE DISEASE/ ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ CORONARY DISEASE, familial & genetic/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERCHOLESTEREMIA, complications/ HYPERTENSION, complications/ MIDDLE AGE/ *MYOCARDIAL INFARCT, chemically induced/ OBESITY, complications/ SMOKING, complications/ STERILIZATION, TUBAL

3392. **Radha E, Krishnamoorthy RV:** Nucleotides and organophosphates of cardiac, fast and slow muscles of chick during development.
Comp Biochem Physiol [B] 45:847-65, 15 Aug 73
*ADENOSINE DIPHOSPHATE, metabolism/ *ADENOSINE MONOPHOSPHATE, metabolism/

ADENOSINE TRIPHOSPHATASE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHICK EMBRYO/ CHROMATOGRAPHY, ION EXCHANGE/ *CREATINE, metabolism/ CREATINE KINASE, metabolism/ *CREATININE, metabolism/ GLYCERIN/ HEART, physiology/ MAGNESIUM, metabolism/ MUSCLES, enzymology/ MUSCLES, growth & development/ *MUSCLES, metabolism/ MUSCLES, physiology/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ PHOSPHATES, metabolism/ *PHOSPHOCREATINE, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

3393. **Radke J, Rupp N:** Zur Technik der Knochenstruktur-Analyse im Röntgenbild. Z Orthop 111:330-2, Jun 73 **(Ger)**
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiography/ *BONE AND BONES, radiography/ BONE CYST, pathology/ BONE CYST, radiography/ BONE DISEASES, pathology/ *BONE DISEASES, radiography/ BONE NEOPLASMS, pathology/ *BONE NEOPLASMS, radiography/ ENGLISH ABSTRACT/ FEMUR HEAD, pathology/ HUMAN/ NEOPLASM METASTASIS/ RADIOGRAPHIC MAGNIFICATION/ *TECHNOLOGY, RADIOLOGIC

3394. **Radó JP:** Clinical use of additive antidiuretic action of carbamazepine and chlorpropamide. Horm Metab Res 5:309, Jul 73
CARBAMAZEPINE, administration & dosage/ CARBAMAZEPINE, adverse effects/ *CARBAMAZEPINE, therapeutic use/ CHLORPROPAMIDE, administration & dosage/ CHLORPROPAMIDE, adverse effects/ *CHLORPROPAMIDE, therapeutic use/ DEPRESSION, CHEMICAL/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ DRUG SYNERGISM/ HUMAN/ HYPOGLYCEMIA, chemically induced/ TIME FACTORS

3395. **Radway P:** Arterial infusion in diverticular hemorrhage. N Engl J Med 289:696, 27 Sep 73
*DIVERTICULOSIS, COLONIC, complications/ *HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ INFUSIONS, PARENTERAL/ *INJECTIONS, INTRA-ARTERIAL/ PITUITARY HORMONES, administration & dosage/ PITUITARY HORMONES, therapeutic use

3396. **Radzialowski FM:** Effect of spironolactone and pregnenolone-16alpha carbonitrile on bilirubin metabolism and plasma levels in male and female rats. Biochem Pharmacol 22:1607-11, 1 Jul 73
ANIMAL EXPERIMENTS/ BILIRUBIN/ BILIRUBIN, blood/ *BILIRUBIN, metabolism/ FEMALE/ GLUCURONATES/ LIVER, enzymology/ LIVER, metabolism/ MALE/ *NITRILES, pharmacodynamics/ *PREGNENOLONE, pharmacodynamics/ RATS/ SEX FACTORS/ *SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS/ TRANSFERASES, metabolism

3397. **Raff M, Santler R:** Turner-Syndrom und assoziierte Hauterkrankungen. Dermatol Monatsschr 158:798-805, Nov 72 **(Ger)**
ADULT/ FEMALE/ HUMAN/ KARYOTYPING/ *NEURODERMATITIS, complications/ NEURODERMATITIS, pathology/ *TURNER'S SYNDROME, complications

3398. **Raff M, Wickenhauser J:** Unilaterale Enchondromatose mit multiplen Lymphangiokeratomen. Zur Nosologie des Maffucci-Syndroms. Hautarzt 24:309-13, Jul 73 **(Ger)**
ACROMEGALY, diagnosis/ ADULT/ *ANGIOMATOSIS, diagnosis/ CHONDROMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *DYSCHONDROPLASIA, diagnosis/ DYSCHONDROPLASIA, radiography/ FINGERS/ HUMAN/ KERATOSIS, pathology/ LYMPHANGIECTASIS, radiography/ LYMPHANGIOMA, diagnosis/ LYMPHANGIOMA, pathology/ LYMPHOGRAPHY/ MALE/ SKIN NEOPLASMS, diagnosis/ SKIN NEOPLASM pathology/ SYNDROME/ TOES

3399. **Rager K, Grüner M, Voelter W, et al:** An easy me for isolation and purification of sex steroid bi protein (SSBP) from human plasma. Acta Endocrinol [Suppl] (Kbh) 173:64, 197
*CARRIER PROTEINS, isolation & purification/ CHROMATOGRAP CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ PROTEIN BINDING/ *TESTOSTERONE, metabolism

3400. **Rahman SA, Hingorani V, Malkani PK, et al:** In biosynthesis of proteins in human placentae normal and toxaemic pregnancies. Acta Endocrinol (Kbh) 73:567-76, Jul 73
AMINO ACIDS, pharmacodynamics/ CARB ISOTOPES/ DNA, analysis/ FEMALE/ HUMAN/ METHODS/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY TOXEMIAS, metabolism/ PROTEIN BINDI PROTEINS, analysis/ *PROTEINS, biosynthesis/ RNA, analysis/ RNA, metabolism/ SUBCELLULAR FRACTIONS

3401. **Rai BP:** On the neurosecretory centres in hypothalamus and their relationship in reprod in Tor (Barbus) tor (Ham.). Acta Anat (Basel) 85:429-33, 1973
ANIMAL EXPERIMENTS/ *FISHES, physiology/ GONADOTROPINS, secretion/ *HYPOTHALAMUS, secretion/ NEUROSECRETION/ *REPRODUCTION/ SEASONS

3402. **Raikhlin NT:** Nekotorye aspekty progressii opuk svete gistokhimicheskikh i elektronnomikroskopicheskikh issledovanii. Vopr Onkol 19:95, 1973
CELL TRANSFORMATION, NEOPLASTIC HISTOCYTOCHEMISTRY/ HUMAN/ *MICROSCOPY, ELECTRON/ *NEOPLASM physiopathology/ POLYMORPHISM (GENETICS)/ THYROID NEOPLASMS, physiopathology

3403. **Railton R, Lawson RC, Porter D, et al:** N spectrum dependence of r.b.e and o.e.r. Int J Radiat Biol 23:509-18, May 73
AEROBIOSIS/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ CELL SURVIVAL, radia effects/ *CELLS, CULTURED, radiation effects/ COBALT ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ HAMSTERS/ IN VITRO/ *NEUTRONS/ OVARY/ *RADIAT EFFECTS

3404. **Raiteri M, Levi G:** Antisynaptosome antibodies synaptosomal permeability to neurotransm Nature [New Biol] 245:89-91, 19 Sep 73
AMINOBUTYRIC ACID, metabolism/ AN EXPERIMENTS/ *ANTIBODIES/ BRAIN, cytology/ BRAIN, metabolism/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY/ COMPLEMENT, pharmacodynamics/ GLUTAMATES, metabolism/ IMMUNE SERUMS, pharmacodynamics/ *NERVE ENDINGS, metabolism/ *NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ OUABA pharmacodynamics/ RABBITS, immunolog RATS/ SEROTONIN, metabolism/ *SYNA VESICLES, metabolism/ SYNAPTOSOME immunology/ SYNAPTOSOMES, metaboli TRITIUM

3405. **Raith L, Karl HJ:** Enzymes of androgen metab human leucocytes. Acta Endocrinol [Suppl] (Kbh) 173:137,
*ANDROGENS, metabolism/ ANDROSTA metabolism/ ANDROSTENEDIONE, meta

CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ IN VITRO/ 17-KETOSTEROIDS, metabolism/ *LEUKOCYTES, enzymology/ LEUKOCYTES, metabolism/ *LYMPHOCYTES, enzymology/ LYMPHOCYTES, metabolism/ NADP/ OXIDOREDUCTASES, metabolism/ *TESTOSTERONE, metabolism

6. **Rajalakshmi R, Sail SS, Shah DG, et al:** The effects of supplements varying in carotene and calcium content on the physical, biochemical and skeletal status of preschool children. Br J Nutr 30:77-86, Jul 73
AGE DETERMINATION BY SKELETON/ ASCORBIC ACID, urine/ BLOOD PROTEINS/ BODY HEIGHT/ BODY WEIGHT/ *BONE AND BONES, growth & development/ *BONE DEVELOPMENT/ *CALCIUM, DIETARY, metabolism/ *CAROTENE, metabolism/ CHILD/ *CHILD NUTRITION/ CHILD, PRESCHOOL/ CREATININE, urine/ DIET/ FEMUR, growth & development/ *GROWTH/ HEMOGLOBINOMETRY/ HUMAN/ METACARPUS, growth & development/ NITROGEN, urine/ RIBOFLAVIN, urine/ SERUM ALBUMIN/ THIAMINE, urine/ TIME FACTORS/ VEGETABLES/ VITAMIN A, blood/ WHEAT

7. **Rajaniemi H, Vanha-Perttula T:** Evidence for LH and FSH binding protein(s) in human and rat serum. Horm Metab Res 5:261-6, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *BLOOD PROTEINS, metabolism/ CELLULOSE/ CLIMACTERIC/ ELECTROPHORESIS/ FEMALE/ FETUS/ FSH, blood/ FSH, metabolism/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ *LH, blood/ LH, metabolism/ MALE/ MENSTRUATION/ PROTEIN BINDING/ RATS/ SHEEP

Ramaley JA, Bunn EL: Adrenal function in rats given PMS before puberty: serum corticosterone values. Neuroendocrinology 12:257-71, 1973
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ FEMALE/ FERTILITY, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, physiology/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *PUBERTY, drug effects/ PUBERTY, PRECOCIOUS, chemically induced/ RATS/ UTERUS, drug effects/ VAGINA, drug effects

Ramamurthi B: Intracranial tumors in India: incidence and variations. Int Surg 58:542-7, Aug 73
ADOLESCENCE/ ADULT/ ASTROCYTOMA, occurrence/ *BRAIN NEOPLASMS, occurrence/ CEREBRAL VENTRICLE NEOPLASMS, occurrence/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, occurrence/ EPENDYMOMA, occurrence/ FEMALE/ GLIOBLASTOMA MULTIFORME, occurrence/ HUMAN/ INDIA/ INFANT/ MALE/ MEDULLOBLASTOMA, occurrence/ MENINGIOMA, occurrence/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEURILEMMOMA, occurrence/ OLIGODENDROGLIOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ TUBERCULOMA, etiology/ TUBERCULOMA, occurrence/ TUBERCULOSIS, MENINGEAL, complications

Ramanathan K, Gantt C, Grossman A: Six year follow-up of a child with Bartter syndrome. Am J Dis Child 126:230-5, Aug 73
ALDOSTERONE, blood/ ALDOSTERONE, urine/ ALKALOSIS, metabolism/ ANGIOTENSIN, diagnostic use/ BIOPSY/ BLOOD PRESSURE, drug effects/ CHILD, PRESCHOOL/ DIET THERAPY/ FEMALE/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, drug therapy/ HUMAN/ HYPERALDOSTERONISM, drug therapy/ *HYPERALDOSTERONISM, metabolism/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA/ HYPERTROPHY/ HYPOKALEMIA, metabolism/ *JUXTAGLOMERULAR APPARATUS, metabolism/ KIDNEY CONCENTRATING ABILITY/ *KIDNEY DISEASES, metabolism/ NOREPINEPHRINE, diagnostic use/ POTASSIUM, therapeutic use/ RENIN, blood/ SECRETORY RATE/ SODIUM CHLORIDE, therapeutic use/ SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use/ SYNDROME/ VASOPRESSIN, diagnostic use

3411. **Ramanathan S, Chou SC:** Cyclic 3',5'-adenosine monophosphate in Tetrahymena pyriformis. Experientia 29:814, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ RADIOIMMUNOASSAY/ *TETRAHYMENA, metabolism

3412. **Ramazzotto LJ, Carlin R, Engstrom R:** Serum acid phosphatase activity during hemorrhagic shock. Life Sci [II] 12:563-73, 22 Jun 73
*ACID PHOSPHATASE, blood/ ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ PREDNISONE, pharmacodynamics/ RATS/ RESPIRATION/ SEX FACTORS/ *SHOCK, HEMORRHAGIC, blood/ SHOCK, HEMORRHAGIC, enzymology/ SPECTROPHOTOMETRY/ TIME FACTORS

3413. **Randel RD, Short RE, Christensen DS, et al:** Effects of various mating stimuli on the LH surge and ovulation time following synchronization of estrus in the bovine. J Anim Sci 37:128-30, Jul 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CERVIX UTERI, physiology/ CLITORIS, physiology/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ INSEMINATION, ARTIFICIAL, veterinary/ *LH, blood/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ *OVULATION/ RADIOIMMUNOASSAY/ *SEX BEHAVIOR, ANIMAL

3414. **Rane A, Gustafsson JA:** Formation of a 16,17-trans-glycolic metabolite from a 16-dehydro-androgen in human fetal liver microsomes. Clin Pharmacol Ther 14:833-9, Sep-Oct 73
*ANDROSTENES, metabolism/ CHROMATOGRAPHY, GAS/ *ETHERS, CYCLIC, biosynthesis/ FEMALE/ *FETUS, metabolism/ HUMAN/ MASS SPECTRUM ANALYSIS/ *MICROSOMES, LIVER, metabolism/ MIDDLE AGE/ NADP, metabolism/ TRITIUM

3415. **Rane A, Sjöqvist F, Orrenius S:** Drugs and fetal metabolism.
Clin Pharmacol Ther 14:666-72, Jul-Aug 73
ADRENAL GLANDS, enzymology/ BIOTRANSFORMATION/ CYTOCHROME P-450, metabolism/ DRUGS, metabolism/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ FETUS, drug effects/ *FETUS, metabolism/ *GLUCURONATES, metabolism/ HEXOSYLTRANSFERASES, metabolism/ HUMAN/ HYDROXYLATION/ KIDNEY, enzymology/ LIVER, cytology/ LIVER, enzymology/ LIVER, metabolism/ LUNG, enzymology/ MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ PREGNANCY/ SMOKING

3416. **Rao GS, Rao ML, Breuer H:** Subcellular distribution of glucuronyltransferase and its relevance for the enterohepatic circulation of oestrogens.
Acta Endocrinol [Suppl] (Kbh) 173:6, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL/ GLUCURONATES/ *HEXOSYLTRANSFERASES, analysis/ *INTESTINE, SMALL, enzymology/

LIVER, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ SWINE/ UDP GLUCURONOSYLTRANSFERASE, analysis

3417. **Rao RR, Bhat NG, Nair TB, et al:** Toxicologic and teratologic studies with 1-(3,5-bis-trifluoromethyl)phenyl)-4-methyl-thiosemicarbazide (CIBA 2696Go).
Arzneim Forsch 23:797-800, Jun 73
ABNORMALITIES, DRUG-INDUCED/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ASPARTATE AMINOTRANSFERASE, blood/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, toxicity/ DOGS/ FEMALE/ FLUORINE, administration & dosage/ FLUORINE, adverse effects/ FLUORINE, pharmacodynamics/ FLUORINE, toxicity/ GESTATIONAL AGE/ HEMATOCRIT/ LETHAL DOSE 50/ MICE/ OVULATION, drug effects/ PREGNANCY/ RATS/ SEMICARBAZIDES, administration & dosage/ SEMICARBAZIDES, adverse effects/ SEMICARBAZIDES, pharmacodynamics/ *SEMICARBAZIDES, toxicity/ SULFIDES, administration & dosage/ SULFIDES, adverse effects/ SULFIDES, pharmacodynamics/ SULFIDES, toxicity

3418. **Rapenne F:** Etude du comportement des chromosomes nucléoligènes chez Asellus (Proasellus) meridianus Racovitza et Asellus aquaticus Linné.
C R Acad Sci [D] (Paris) 276:3331-4, 18 Jun 73 (Fre)
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ *CHROMOSOMES/ *CRUSTACEA/ EMBRYO/ KARYOTYPING/ MALE/ MITOSIS/ TESTIS, cytology

3419. **Raphael BC, Dimick PS, Puppione DL:** Lipid characterization of bovine serum lipoproteins throughout gestation and lactation.
J Dairy Sci 56:1025-32, Aug 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CHOLESTEROL, blood/ ESTERS, blood/ FEMALE/ *LACTATION/ *LIPIDS, blood/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ PHOSPHOLIPIDS, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ TRIGLYCERIDES, blood/ ULTRACENTRIFUGATION

3420. **Raptis S, Schröder KE, Kissing J, et al:** Modification of basal and arginine-induced growth hormone secretion by concomitant fat administration.
Acta Endocrinol [Suppl] (Kbh) 173:97, 1973
*ARGININE, pharmacodynamics/ BLOOD SUGAR, analysis/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ HUMAN/ LIPIDS, blood/ MALE/ *OILS, pharmacodynamics/ PITUITARY GLAND, secretion/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism/ SOY BEANS

3421. **Rask-Madsen J:** Simultaneous measurement of electrical polarization and electrolyte transport by the entire normal and inflamed human colon during in vivo perfusion. Scand J Gastroenterol 8:327-36, 1973
ADOLESCENCE/ ADULT/ AGED/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ *CHLORIDES, metabolism/ CHROMIUM ISOTOPES/ COBALT ISOTOPES/ *COLITIS, ULCERATIVE, metabolism/ *COLON, metabolism/ FEMALE/ HUMAN/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ INTESTINE, LARGE, metabolism/ IODINE ISOTOPES/ ISOTONIC SOLUTIONS/ MALE/ *MEMBRANE POTENTIALS/ METHODS/ MIDDLE AGE/ PERFUSION/ POTASSIUM, metabolism/ *SODIUM, metabolism/ SODIUM ISOTOPES

3422. **Raskin RL, Raskin M, Baldwin RL:** Effects of chronic insulin and cortisol administration on lactational performance and mammary metabolism in rats.
J Dairy Sci 56:1033-41, Aug 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CITRATES/ DNA, analysis/ FEMALE/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HEXOKINASE, analysis/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ *INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ ISOENZYMES, analysis/ KETOACID-LYASES, analysis/ *LACTATION, drug effects/ LIPID biosynthesis/ MALATE DEHYDROGENASE, analysis/ MAMMAE, drug effects/ MAMMAE enzymology/ *MAMMAE, metabolism/ MILK, analysis/ PREGNANCY/ RATS/ TISSUE CULTURE

3423. **Rasmusson GH, Arth GE:** Selective synthesis 14-dehydroestranes. Steroids 22:107-11, Jul 73
BOROHYDRIDES/ CHROMATOGRAPHY, THI LAYER/ CRYSTALLIZATION/ METHODS/ METHYLATION/ *NANDROLONE, chem synthesis/ OPTICAL ROTATION/ SPECTROPHOTOMETRY, ULTRAVIOLET

3424. **Rassaert CL, Richter RS, Martin J, et al:** Effect steroidal and nonsteroidal anti-inflammatory compounds in a milkweed-sap-induced rat pe edema. Steroids Lipids Res 4:39-47, 1973
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, therapeu use/ ASPIRIN, therapeutic use/ BIOLOGICA ASSAY/ CHLORPROMAZINE, therapeutic u CYPROHEPTADINE, therapeutic use/ DEXAMETHASONE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDEMA, chemically induced/ *EDEMA, dru therapy/ ENTEROBACTERIACEAE/ HINDLIMB/ HYDROCORTISONE, therapeuti use/ INDOMETHACIN, therapeutic use/ MALE/ PHENYLBUTAZONE, therapeutic u PLANT EXTRACTS/ *PLANTS/ PROMETHAZINE, therapeutic use/ RATS/ TIME FACTORS

3425. **Rassner G:** Behandlung eines Lidekzems.
Med Klin 68:1019, 27 Jul 73 (
*ADRENAL CORTEX HORMONES, therapeu use/ ECZEMA, diagnosis/ *ECZEMA, drug therapy/ EYELID DISEASES, diagnosis/ *EYELID DISEASES, drug therapy/ HUMA SKIN TESTS

3426. **Rastogi RK, Chieffi G:** Nucleic acid and protein con of the frog pars distalis and hypothalamus during annual reproductive cycle.
J Endocrinol 58:129-30, Jul 73
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, analysis/ *DNA, analysis/ FEMAL FROGS/ *HYPOTHALAMUS, analysis/ MAL *PITUITARY GLAND, analysis/ *PROTEIN analysis/ RANA ESCULENTA/ REPRODUCTION/ *RNA, analysis/ SEASON

3427. **Ratner A, Wilson MC, Peake GT:** Antagonism prostaglandin-promoted pituitary cyclic AMP accumulation and growth hormone secretion in by 7-oxa-13-prostynoic acid.
Prostaglandins 3:413-9, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BUTYRATES/ DEPRESSIO CHEMICAL/ *FATTY ACIDS, UNSATURA pharmacodynamics/ IN VITRO/ KETO AC MALE/ *PITUITARY GLAND, drug effects PROSTAGLANDINS, antagonists & inhibito *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, secretion/ STIMULATIO CHEMICAL/ THEOPHYLLINE, pharmacodynamics

3428. **Ratnoff OD:** A 1973 look at hemophilia and Willebrand's disease.
Proc Inst Med Chic 29:296-304, May-Jun 73 (44
ANTIGEN-ANTIBODY REACTIONS/ BLOO COAGULATION TESTS/ BLOOD TRANSFUSION/ FACTOR VIII, analysis/ FACTOR VIII, biosynthesis/ FACTOR IX,

analysis/ FEMALE/ *HEMOPHILIA, blood/ HEMOPHILIA, familial & genetic/ HEMOPHILIA, immunology/ HEMOPHILIA, therapy/ HUMAN/ IMMUNE SERUMS/ MALE/ PLATELET ADHESIVENESS/ RABBITS, immunology/ REVIEW/ SEX CHROMOSOMES/ *VON WILLEBRAND'S DISEASE, blood/ VON WILLEBRAND'S DISEASE, therapy

Rauhut K: Neue Gesichtspunkte in der lokalen Aknetherapie. Med Monatsschr 27:275-9, Jun 73 **(Ger)**
*ACNE, drug therapy/ ALUMINUM HYDROXIDE GEL, therapeutic use/ COLLOIDS/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ *RESORCINOL, therapeutic use/ *SALICYLIC ACID, therapeutic use/ *THIOSULFATES, therapeutic use

Rawson JM, Dukelow WR: Observation of ovulation in Macaca fascicularis. J Reprod Fertil 34:187-90, Jul 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ CORPUS LUTEUM/ FEMALE/ LAPAROSCOPY/ *MACACA, physiology/ MENSTRUATION/ MONKEYS/ *OVULATION/ PHOTOGRAPHY

Rayfield EJ, Curnow RT, George DT, et al: Impaired carbohydrate metabolism during a mild viral illness. N Engl J Med 289:618-21, 20 Sep 73
ADULT/ ANTIGENS/ BLOOD SUGAR, analysis/ *CARBOHYDRATES, metabolism/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, urine/ INSULIN, blood/ MALE/ *PAPPATACI FEVER, metabolism/ SOMATOTROPIN, blood

Raymond G, Gascon J, Bourgeau D, et al: Manifestation vertébrale inhabituelle de la spondylarthrite ankylosante.
Union Med Can 101:896-9, May 72 **(Fre)**
ADULT/ BIOPSY, NEEDLE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUMBAR VERTEBRAE, radiography/ OSTEOPOROSIS/ SACRUM, radiography/ SPONDYLITIS, ANKYLOSING, pathology/ *SPONDYLITIS, ANKYLOSING, radiography/ THORACIC VERTEBRAE, radiography/ TOMOGRAPHY

Raynaud A, Pieau C: Action de la testostérone sur les conduits génitaux des embryons de reptiles. C R Acad Sci [D] (Paris) 276:3195-8, 13 Jun 73 **(Fre)**
ANIMAL EXPERIMENTS/ EMBRYO, drug effects/ *MULLERIAN DUCTS, drug effects/ *REPTILES/ *TESTOSTERONE, pharmacodynamics/ *WOLFFIAN DUCT, drug effects

Raynaud JP, Bouton MM, Gallet-Bourquin D, et al: Comparative study of estrogen action.
Mol Pharmacol 9:520-33, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ DIALYSIS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ ESTRADIOL, administration & dosage/ ESTRADIOL, metabolism/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTROGENS, administration & dosage/ *ESTROGENS, physiology/ ESTRONE, metabolism/ ESTRONE, pharmacodynamics/ ETHINYL ESTRADIOL, metabolism/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ KINETICS/ METHYLATION/ PROTEIN BINDING/ RATS/ SUCROSE/ UTERUS, cytology/ UTERUS, drug effects/ UTERUS, metabolism

Rayner PH, Rudd BT: Emotional deprivation in three siblings associated with functional pituitary growth hormone deficiency. Aust Paediatr J 9:79-84, Apr 73
CHILD/ FEMALE/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, etiology/ HUMAN/ HYPOPITUITARISM, diagnosis/ *HYPOPITUITARISM, etiology/ INSULIN, diagnostic use/ MALE/ *PSYCHOSOCIAL DEPRIVATION/ *SOMATOTROPIN, blood

3436. Raz A: Interaction of prostaglandins with blood plasma proteins. Comparative binding of prostaglandins A 2, F 2 and E 2 to human plasma proteins.
Biochem J 130:631-6, Nov 72
*BLOOD PROTEINS/ CHEMISTRY, PHYSICAL/ CHROMATOGRAPHY/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLYCOPROTEINS/ HUMAN/ *PROSTAGLANDINS, blood/ *PROTEIN BINDING/ SERUM ALBUMIN/ TRITIUM

3437. Raz A, Stern H, Kenig-Wakshal R: Indomethacin and aspirin inhibition of prostaglandin E2 synthesis by sheep seminal vesicles microsome powder.
Prostaglandins 3:337-52, Mar 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ ASPIRIN, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ DEPRESSION, CHEMICAL/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ MALE/ MICROSOMES, enzymology/ *MICROSOMES, metabolism/ POWDERS/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ SEMINAL VESICLES, cytology/ *SEMINAL VESICLES, metabolism/ SHEEP/ TRITIUM

3438. Re M, Fabrini A, Cavaniglia G: The use of polyvinyl pyrrolidone (PVP) in the histochemical demonstration of phosphorylase in the normal human testis. Folia Endocrinol (Roma) 26:175-9, Jun 73
ADOLESCENCE/ ADULT/ BIOPSY/ BUFFERS/ *GLUCOSYLTRANSFERASES, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ *POLYVINYLPYRROLIDONE/ TESTIS, cytology/ *TESTIS, enzymology

3439. Re M, Santiemma V, Frajese G, et al: Phosphorylase activity in the normal human testis: a histochemical study. Experientia 28:1106-7, 15 Sep 72
ADENOSINE MONOPHOSPHATE/ ADOLESCENCE/ ADULT/ GLUCOSEPHOSPHATES/ *GLYCOGEN PHOSPHORYLASE, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ *TESTIS, enzymology

3440. Rea C, Segal S: Dibutyryl cyclic adenosine monophosphate enhancement of alpha-methyl-D-glucoside accumulation by kidney cortex slices.
Biochim Biophys Acta 311:615-24, 18 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BODY FLUIDS, metabolism/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CYCLOHEXIMIDE, pharmacodynamics/ DOGS/ GALACTOSE, metabolism/ GLUCOSE/ GLUCOSE, metabolism/ *GLYCOSIDES, metabolism/ HUMAN/ IN VITRO/ INULIN, metabolism/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ KINETICS/ MALE/ RABBITS/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS/ XYLOSE, metabolism

3441. Read RM: What the non-ophthalmologist physician should know about the eye.
NS Med Bull 52:158-60, Aug 73
ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, complications/ DILATATION/ EYE DISEASES, drug therapy/ *EYE DISEASES, therapy/ EYEGLASSES/ FUNDUS OCULI/ GENERAL PRACTICE/ GLAUCOMA, diagnosis/ HUMAN/ INFANT/ MIDDLE AGE/ NOVA SCOTIA/ *PHYSICIANS, standards/ PUPIL/ STEROIDS, therapeutic use/ STRABISMUS, surgery/ VISION DISORDERS

3442. Redderson CL: Interactions of steroids and serum cholinesterase. Int J Clin Pharmacol 8:51-7, Aug 73
*CHOLINESTERASE, blood/

CHOLINESTERASE INHIBITORS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENZYME REPRESSION/ FEMALE/ HUMAN/ *PREGNANCY/ PROGESTERONE, pharmacodynamics

3443. **Reddington M, Rodnight R, Williams M:** Turnover of protein-bound serine phosphate in respiring slices of guinea-pig cerebral cortex. Effects of putative transmitters, tetrodotoxin and other agents.
Biochem J 132:475-82, Mar 73
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ ELECTRIC STIMULATION/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOTOPE LABELING/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHATES, metabolism/ *PHOSPHOPROTEINS, metabolism/ PHOSPHORUS ISOTOPES/ POTASSIUM, pharmacodynamics/ *SERINE, metabolism/ SEROTONIN, pharmacodynamics/ SPECTROPHOTOMETRY/ *TETRODOTOXIN, pharmacodynamics/ TIME FACTORS

3444. **Reed MF:** Ultrasonic placentography.
Br J Radiol 46:255-8, Apr 73
CESAREAN SECTION/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ PLACENTA, physiology/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, etiology/ *ULTRASONICS, diagnostic use/ UTERINE HEMORRHAGE, etiology

3445. **Rees LH, Holdaway IM, McNeilly AS, et al:** A new bioassay for luteinizing hormone.
J Endocrinol 58:18, Jul 73
*BIOLOGICAL ASSAY/ CULTURE MEDIA/ DENSITOMETRY/ FEMALE/ *LH, analysis/ METHODS/ OVARY, metabolism/ OVULATION/ OXIDATION-REDUCTION/ RATS

3446. **Reeves JR:** The treatment of atopic dermatitis.
Semin Drug Treat 2:419-24, Spring 73 (10 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ BANDAGES/ COAL TAR, therapeutic use/ COSTS AND COST ANALYSIS/ *DERMATITIS, ATOPIC, drug therapy/ FLUORINE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, administration & dosage/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPNOTICS AND SEDATIVES, therapeutic use/ PRURITUS, drug therapy/ REVIEW/ SOLUTIONS, therapeutic use/ VEHICLES

3447. **Reeves JR:** The treatment of allergic contact dermatitis.
Semin Drug Treat 2:425-9, Spring 73 (6 ref.)
ANTIGENS/ ANTI-INFLAMMATORY AGENTS, TOPICAL, adverse effects/ DERMATITIS, CONTACT, diagnosis/ *DERMATITIS, CONTACT, drug therapy/ DESENSITIZATION/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYPERSENSITIVITY, diagnosis/ *HYPERSENSITIVITY, drug therapy/ NICKEL/ REVIEW/ RUBBER/ SKIN TESTS/ WEATHER

3448. **Reichenberg K, Vetulani J:** Intraventricular injections of L-dopa: the effect on rat locomotor activity and body temperature.
Eur J Pharmacol 22:376-9, Jun 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ CARBAMATES, pharmacodynamics/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CEREBRAL VENTRICLES/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ FUSIDIC ACID, pharmacodynamics/ *LOCOMOTION, drug effects/ MALE/ NIALAMIDE, pharmacodynamics/ PHENYLHYDRAZINE, pharmacodynamics/ PIMOZIDE, pharmacodynamics/ PYROGALLOL, pharmacodynamics/ RATS/ THIOUREA, pharmacodynamics/ TIME FACTORS

3449. **Reichert LE Jr, Lawson GM Jr, Leidenberger** Influence of alpha- and beta-subunits on the kine of formation and activity of native and hy molecules of LH and human chorionic gonadotro
Endocrinology 93:938-46, Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ *GONADOTROPINS, CHORIONIC, biosynthe IN VITRO/ IODINE ISOTOPES/ KINETICS *LH, biosynthesis/ MALE/ *PEPTIDES, metabolism/ RADIOLIGAND ASSAY/ RATS RECEPTORS, HORMONE/ SWINE/ TESTIS, metabolism/ TIME FACTORS/ TISSUE CULTURE

3450. **Reichlin S:** The physiology of growth horm regulation: pre- and postimmunoassay eras.
Metabolism 22:987-93, Aug 73 (57 ref.)
AMINO ACIDS, physiology/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ BLO SUGAR, physiology/ ESTROGENS, physiolo FETUS/ HUMAN/ HYPOGLYCEMIA, physiopathology/ INFANT, NEWBORN/ MONKEYS/ REVIEW/ SOMATOTROPIN, metabolism/ *SOMATOTROPIN, physiology/ STARVATION, physiopathology/ STRESS/ STRESS, PSYCHOLOGICAL

3451. **Reid JS, Anderson MG, Inami YH, et al:** Evaluati fluorescein conjugated antisera in the clin laboratory.
Am J Med Technol 39:315-20, Au
ANTIBODY SPECIFICITY/ ANTINUCLEAR FACTORS/ *FLUORESCEINS, analysis/ HUMAN/ IGG, analysis/ *IMMUNE SERUM analysis/ IMMUNE SERUMS, standards/ IMMUNOELECTROPHORESIS/ MICROSCOP FLUORESCENCE/ RABBITS/ THIOCYANA analysis

3452. **Reijonen H, Kormano M, Reijonen K:** Neutroniradiografia lääketieteellisessä tutkimuksessa.
Duodecim 89:538-42, 1973
ADIPOSE TISSUE, radiography/ *BONE A BONES, radiography/ DEUTERIUM/ ENGL ABSTRACT/ HUMAN/ JOINTS/ MICRORADIOGRAPHY/ *NEUTRONS/ *RADIOGRAPHY/ TECHNOLOGY, RADIOLOGIC

3453. **Reilly PE, Black AL:** Early effects of cortisol on gl and alanine metabolism in adrenalectomized s
Am J Physiol 225:689-95, Sep 73
ADRENALECTOMY/ *ALANINE, metaboli ANIMAL EXPERIMENTS/ BLOOD SUGAR metabolism/ CARBON DIOXIDE, metaboli CARBON ISOTOPES/ FEMALE/ *GLUCONEOGENESIS, drug effects/ GLUCOSE, biosynthesis/ *GLUCOSE, metabolism/ HALF-LIFE/ *HYDROCORTIS pharmacodynamics/ KINETICS/ OXYGEN CONSUMPTION/ RADIOISOTOPE DILUTI TECHNIC/ SHEEP/ TRITIUM

3454. **Reimold EW:** Intermittent prednisone thera children and adolescents after renal transplant
Pediatrics 52:235-40, Aug 73
ADOLESCENCE/ CHILD/ FEMALE/ GRO drug effects/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ IMMUNOSUPPRESSIVE AGENTS, therape use/ *KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ *PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeut use/ TRANSPLANTATION, HOMOLOGOU

3455. **Reinblatt JD, Raisz LG, Kenny AD:** Secretion of ultimobrachial calcitonin in organ culture.
Endocrinology 93:277-84, Aug 73
ANIMAL EXPERIMENTS/ BONE AND B secretion/ CALCIUM, blood/ CALCIUM ISOTOPES/ CHICK EMBRYO/ DOSE-RESPONSE RELATIONSHIP, DRUG GEL FILTRATION/ IN VITRO/ ORGAN CULTURE/ PARATHYROID HORMONE,

pharmacodynamics/ PRESSURE/ RADIUS/ RATS/ THYROCALCITONIN, isolation & purification/ THYROCALCITONIN, pharmacodynamics/ *THYROCALCITONIN, secretion/ TIME FACTORS/ TRYPSIN, pharmacodynamics/ ULNA/ *ULTIMOBRANCHIAL BODY, secretion

Reiness G, Zubay G: The messenger-directed synthesis of the alpha-fragment of the enzyme beta-galactosidase.
Biochem Biophys Res Commun 53:967-74, 6 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL-FREE SYSTEM/ CHLORAMPHENICOL, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEOXYRIBONUCLEASE, pharmacodynamics/ *ESCHERICHIA COLI, enzymology/ *GALACTOSIDASE, biosynthesis/ GEL FILTRATION/ GENETIC COMPLEMENTATION TEST/ KINETICS/ MOLECULAR WEIGHT/ MUTATION/ *PEPTIDES, biosynthesis/ PUROMYCIN, pharmacodynamics/ RIBONUCLEASE, pharmacodynamics/ RIFAMPIN, pharmacodynamics/ *RNA, BACTERIAL, metabolism/ *RNA, MESSENGER, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ TRANSCRIPTION, GENETIC, drug effects/ *TRANSLATION, GENETIC/ TRANSLATION, GENETIC, drug effects

Reinfrank RF: Hyperthyroidism and pregnancy.
J Reprod Med 8:56-8, Feb 72
FEMALE/ FETAL DISEASES, chemically induced/ FETUS, drug effects/ GOITER, EXOPHTHALMIC/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ INFANT, NEWBORN/ IODIDES, adverse effects/ IODIDES, blood/ IODIDES, metabolism/ IODIDES, pharmacodynamics/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MATERNAL-FETAL EXCHANGE, drug effects/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROTEIN-BOUND IODINE TEST/ THYROID ANTAGONISTS, pharmacodynamics/ THYROID ANTAGONISTS, therapeutic use/ THYROTROPIN, adverse effects/ THYROXINE, metabolism/ THYROXINE-BINDING PROTEIN

Reinhardt K: Zur Differentialdiagnose neuropathischer Arthropathien.
Radiologe 13:227-30, Jun 73 (Ger)
ADULT/ *ARTHROPATHY, NEUROGENIC, diagnosis/ ARTHROPATHY, NEUROGENIC, radiography/ AUTONOMIC DYSFUNCTION, diagnosis/ BONE NEOPLASMS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INTERVERTEBRAL DISK DISPLACEMENT, diagnosis/ MALE/ METATARSUS/ MULTIPLE SCLEROSIS, diagnosis/ NECROSIS/ NEUROSYPHILIS, complications/ OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC, diagnosis/ OSTEOCHONDRITIS, diagnosis/ OSTEOPOROSIS, diagnosis/ PARAPLEGIA, diagnosis/ PERIPHERAL NERVES, injuries/ TABES DORSALIS, complications/ TUBERCULOSIS, OSTEOARTICULAR, diagnosis/ WERNER'S SYNDROME, diagnosis

einken L, Dapunt O: Vitaminstoffwechsel und Kontrazeptiva.
Geburtshilfe Frauenheilkd 33:503-6, Jun 73 (Ger)
ASCORBIC ACID, blood/ AVITAMINOSIS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ FOLIC ACID, metabolism/ HUMAN/ PYRIDOXINE, metabolism/ VITAMIN A, blood/ VITAMIN B 12, blood/ *VITAMINS, metabolism

einwein D: Die Schilddrüsenfunktion von Diabetikern bei langfristiger Anwendung von Glibornurid.
Arzneim Forsch 22:Suppl 12A:2221, Dec 72 (Ger)
ANTIDIABETICS, adverse effects/ *ANTIDIABETICS, pharmacodynamics/ BORNANES, adverse effects/ BORNANES, pharmacodynamics/ CARBUTAMIDE, pharmacodynamics/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ GLIBENCLAMIDE, pharmacodynamics/ GOITER, chemically induced/ HUMAN/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ SULFONYLUREA COMPOUNDS, adverse effects/ *SULFONYLUREA COMPOUNDS, pharmacodynamics/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ TOLBUTAMIDE, pharmacodynamics

3461. **Reis DJ, Ross RA:** Dynamic changes in brain dopamine-beta-hydroxylase activity during anterograde and retrograde reactions to injury of central noradrenergic axons.
Brain Res 57:307-26, 27 Jul 73
ANIMAL EXPERIMENTS/ AXONS, enzymology/ *BRAIN STEM, enzymology/ *CEREBELLUM, enzymology/ *CEREBRAL CORTEX, enzymology/ *CEREBRAL VENTRICLES, enzymology/ *DOPAMINE BETA HYDROXYLASE, metabolism/ FEMALE/ HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, injuries/ MESENCEPHALON, enzymology/ NERVE DEGENERATION/ NERVE TISSUE PROTEINS, metabolism/ NEURAL INTERCONNECTIONS/ PONS, enzymology/ RATS

3462. **Reite OB:** Effect of physical and chemical agents on the blood mast cells (basophil leucocytes) of turtles.
Acta Physiol Scand 87:549-56, Apr 73
ANIMAL EXPERIMENTS/ *BASOPHILS, drug effects/ COMPOUND 48-80, pharmacodynamics/ DYES/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, blood/ *HISTAMINE LIBERATION, drug effects/ HYDROGEN-ION CONCENTRATION/ HYPERTONIC SOLUTIONS/ HYPOTONIC SOLUTIONS/ PHENOTHIAZINES, pharmacodynamics/ POLYMYXIN, pharmacodynamics/ PROTAMINES, pharmacodynamics/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ TOLUIDINE BLUE O, pharmacodynamics/ TUBOCURARINE, pharmacodynamics/ TURTLES

3463. **Reiter RJ:** Surgical procedures involving the pineal gland which prevent gonadal degeneration in adult male hamsters.
Ann Endocrinol (Paris) 33:571-81, Nov-Dec 72
ANIMAL EXPERIMENTS/ GANGLIA, AUTONOMIC, physiology/ HAMSTERS/ HYPOTHALAMUS, physiology/ LH, analysis/ LIGHT/ MALE/ ORGAN WEIGHT/ PERIODICITY/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ PITUITARY GLAND, analysis/ SEMINAL VESICLES, physiology/ *TESTIS, physiology/ THALAMUS, physiology

3464. **Reith A:** The influence of triiodothyronine and riboflavin deficiency on the rat liver with special reference to mitochondria. A morphologic, morphometric, and cytochemical study by electron microscopy. Lab Invest 29:216-28, Aug 73
ANIMAL EXPERIMENTS/ BIOGENESIS/ DIET/ GLYCOGEN/ INJECTIONS, INTRAPERITONEAL/ *LIVER, drug effects/ LIVER, pathology/ MALE/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, LIVER, drug effects/ RATS/ *RIBOFLAVIN DEFICIENCY, pathology/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

3465. **Reith A, Fuchs S:** The heart muscle of the rat under influence of triiodothyronine and riboflavin deficiency with special reference to mitochondria. A morphologic and morphometric study by electron microscopy. Lab Invest 29:229-35, Aug 73
ANIMAL EXPERIMENTS/ BIOGENESIS/ BODY WEIGHT/ CAPILLARIES, drug effects/ DIET/ *HEART, drug effects/ MALE/

MICROSCOPY, ELECTRON/ *MITOCHONDRIA, MUSCLE, drug effects/ MYOCARDIUM, cytology/ *MYOCARDIUM, pathology/ MYOFIBRILS/ RATS/ *RIBOFLAVIN DEFICIENCY, pathology/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

3466. **Relexans JC**: Transplantations de gonades indifférenciées chez l'hermaphrodite simultané Eisenia foetida (Oligochète, Lumbricidae). Mise en évidence de facteurs locaux (inducteurs?) de la différenciation sexuelle.
J Embryol Exp Morphol 30:143-61, Aug 73 (Fre)
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ DENERVATION/ *EARTHWORMS, physiology/ ENGLISH ABSTRACT/ FEMALE/ GONADS, innervation/ *GONADS, transplantation/ HERMAPHRODITISM/ MALE/ OVUM, anatomy & histology/ OVUM, growth & development/ *SEX/ SEX REVERSAL, GONADAL/ TESTIS, anatomy & histology/ TESTIS, growth & development/ TRANSPLANTATION, HOMOLOGOUS

3467. **Remion B, Rudkowski Z**: Zapalenie opon mózgowo-rdzeniowych u niemowlęcia wywołane przez Flavobacterium meningosepticum.
Pediatr Pol 48:887-9, Jul 73 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ ANTIBIOTICS, therapeutic use/ *CEREBROSPINAL FLUID, microbiology/ *FLAVOBACTERIUM, isolation & purification/ HUMAN/ INFANT/ *MENINGITIS, diagnosis/ MENINGITIS, drug therapy

3468. **Remy D**: Die internistischen Komplikationen des Alkoholismus.
Z Allgemeinmed 49:955-8, 20 Jul 73 (Ger)
*ALCOHOLISM, complications/ ENDOCRINE DISEASES, etiology/ GASTROINTESTINAL DISEASES, etiology/ HEART DISEASES, etiology/ HUMAN/ LUNG DISEASES, etiology/ SKIN DISEASES, etiology

3469. **Renger F, Dökert B**: Zur Problematik der Langzeittherapie von Leberekrankungen.
Z Gesamte Inn Med 28:Suppl:165-8, 1 Jun 73 (Ger)
ADOLESCENCE/ ADULT/ AZATHIOPRINE, therapeutic use/ CHOLESTASIS, drug therapy/ CHOLESTYRAMINE, therapeutic use/ CHRONIC DISEASE/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HEPATITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LIVER DISEASES, drug therapy/ PROGNOSIS

3470. **Renwick AG, Oliver JF**: The aromatization of (7 -3H) androstenedione by human placental mitochondria.
Steroids 22:123-32, Jul 73
ACETYLATION/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROXYSTEROIDS, biosynthesis/ *17-KETOSTEROIDS, metabolism/ MICROSOMES, metabolism/ *MITOCHONDRIA, metabolism/ NAD/ NADP/ OXIDOREDUCTASES, metabolism/ PLACENTA, cytology/ *PLACENTA, metabolism/ PREGNANCY/ TRITIUM/ ULTRACENTRIFUGATION

3471. **Renwick JH**: Gene loci for the skin and their chromosomal positions.
J Invest Dermatol 60:403-6, Jun 73 (13 ref.)
ALLELES/ AMNIOCENTESIS/ *CHROMOSOME MAPPING/ FEMALE/ GENES/ GLYCOLIPIDS, metabolism/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ KERATOSIS, diagnosis/ KERATOSIS, familial & genetic/ LINKAGE (GENETICS)/ LIPID METABOLISM, INBORN ERRORS, diagnosis/ LIPID METABOLISM, INBORN ERRORS, familial & genetic/ MALE/ NAIL-PATELLA SYNDROME, diagnosis/ NAIL-PATELLA SYNDROME, familial & genetic/ PHOSPHOGLUCOMUTASE/ PHOSPHOGLUCONATE DEHYDROGENASE/ PREGNANCY/ RECOMBINATION, GENETIC/ REVIEW/ RH FACTORS/ SEX CHROMOSOMES/ *SKIN, cytology

3472. **Reporter M, Raveed D**: Plasma membranes: isolati from naturally fused and lysolecithin-treated mus cells. Science 181:863-5, 31 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT analysis/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, analysis/ CARBON ISOTOPES/ *CELL FRACTIONATION/ CELL FUSION/ *CELL MEMBRANE/ CELL MEMBRANE, enzymolog CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CULTURE MEDIA/ GLYCERIN, metabolism/ *LYSOLECITHIN, pharmacodynamics/ LYSOSOMES, metabolism MICROSCOPY, ELECTRON/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ MUSCLES, analysis/ *MUSCLES, cytology/ PHOSPHOLIPIDS, biosynthesis/ RATS/ TRITIUM

3473. **Reschini E, Giustina G**: Hypocholesterolaemia hyperadrenal states. Br Med J 3:171, 21 Jul
*ADRENAL GLAND HYPERFUNCTION, blo ADRENAL GLAND NEOPLASMS, metabolis ANDROSTANES, pharmacodynamics/ *CHOLESTEROL, blood/ FEMALE/ HUMAN 17-KETOSTEROIDS, urine/ METYRAPONE, therapeutic use

3474. **Resnick J, Schanberger JE**: Varicella reactivation nephrotic syndrome treated with cyclophospham and adrenal corticosteroids. J Pediatr 83:451-4, Se
ANTIBODIES, VIRAL, analysis/ ANTIBODY FORMATION, drug effects/ *CHICKENPOX, chemically induced/ CHICKENPOX, immunology/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLUCOCORTICOIDS, administrat & dosage/ *GLUCOCORTICOIDS, therapeuti use/ HUMAN/ LYMPHOPENIA, chemically induced/ *NEPHRGTIC SYNDROME, drug therapy/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ RECURRENCE/ VARICELLA-ZOSTER VIRU immunology

3475. **Retiene K, Schulz F, Müller A**: Möglichkeiten Anwendung von Thyreotropin-Releasing-Horm (TRH. Med Klin 68:1146-50, 7 Sep 73 (
DEPRESSION, drug therapy/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ *THYROTROPIN RELEASING FACTOR, therapeutic use/ THYROXINE, blood

3476. **Retiene K, Schulz F**: Human pharmacological stu with a new synthetic corticotrophic peptid consisting of 18 amino acids.
Acta Endocrinol [Suppl] (Kbh) 173:33, 197
ADULT/ CORTICOTROPIN, administration dosage/ *CORTICOTROPIN, pharmacodynam HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ PEPTIDES, administration & dosage/ PEPTIDES, pharmacodynamics

3477. **Reuber MD, Glover EL**: Chronic thyroiditis buffalo-strain rats ingesting 3'-methyl-4-dimethylaminoazobenzene or N-2-fluorenyldiacetamide.
Pathol Microbiol (Basel) 39:383-8, 1973
*ACETAMIDES, adverse effects/ ANIMAL EXPERIMENTS/ AUTOPSY/ BODY WEIG CHRONIC DISEASE/ DIET/

*DIMETHYLAMINOAZOBENZENE, adverse effects/ FEMALE/ FLUORINE, adverse effects/ LIVER NEOPLASMS, occurrence/ MALE/ RATS/ RATS, INBRED STRAINS/ SEX FACTORS/ THYROID GLAND, pathology/ *THYROIDITIS, chemically induced/ THYROIDITIS, classification/ THYROIDITIS, occurrence/ THYROIDITIS, pathology

78. **Reus HD de:** Chondrocalcinosis articularis.
J Belge Radiol 56:103-9, Mar-Apr 73 **(Dut)**
ADRENAL CORTEX HORMONES, therapeutic use/ CALCIUM, analysis/ CHONDROCALCINOSIS, diagnosis/ CHONDROCALCINOSIS, drug therapy/ *CHONDROCALCINOSIS, radiography/ ELBOW JOINT/ ENGLISH ABSTRACT/ HIP JOINT/ HUMAN/ KNEE JOINT/ SYNOVIAL FLUID, analysis/ SYNOVIAL MEMBRANE

79. **Revúsová V, Gratziová J, Valovičová E, et al:** Metabolické nálezy u chorých s urátovou nefrolitiázou.
Vnitr Lek 19:744-9, Aug 73 **(Cze)**
ADULT/ AGED/ CALCIUM, metabolism/ CREATININE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY CALCULI, metabolism/ MALE/ MIDDLE AGE/ PHOSPHORUS, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *URIC ACID, metabolism

80. **Rey-Stocker I:** Les troubles du cycle menstruel chez l'adolescente.
Ther Umsch 30:486-90, Jul 73 **(Fre)**
ADOLESCENCE/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *MENSTRUATION DISORDERS, etiology/ MENSTRUATION DISORDERS, metabolism/ PITUITARY HORMONE RELEASING FACTORS, metabolism

81. **Reynafarje B, Lehninger AL:** Ca2+ transport by mitochondria from L1210 mouse ascites tumor cells.
Proc Natl Acad Sci USA 70:1744-8, Jun 73
ADENOSINE DIPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CELL FRACTIONATION/ ELECTRON TRANSPORT/ *LEUKEMIA L1210, metabolism/ MAGNESIUM/ MICE/ *MITOCHONDRIA, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ SUCCINATES, metabolism

82. **Reynier J, Laurian C:** Les nerfs laryngés en chirugie thyroidienne.
Chirurgie 99:241-6, 7 Mar 73 **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ LARYNGEAL NERVES, anatomy & histology/ *LARYNGEAL NERVES, injuries/ POSTOPERATIVE COMPLICATIONS/ *THYROIDECTOMY, adverse effects/ *VOCAL CORD PARALYSIS, etiology

Reynolds JW, Mirkin BL: Urinary corticosteriod and diphenylhydantoin metabolite patterns in neonates exposed to anticonvulsant drugs in utero.
Clin Pharmacol Ther 14:891-7, Sep-Oct 73
*ADRENAL CORTEX HORMONES, urine/ ADULT/ *ANTICONVULSANTS, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, metabolism/ *DIPHENYLHYDANTOIN, metabolism/ FETUS, metabolism/ HUMAN/ HYDANTOINS, urine/ HYDROXYCORTICOSTEROIDS, metabolism/ INFANT, NEWBORN/ MALE/ MEPHOBARBITAL, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ PREGNANCY/ PRIMIDONE, pharmacodynamics

Reznik-Schüller H, Reznik G: Comparative histometric investigations of the testicular function of European hamsters (Cricetus cricetus) with and without hibernation. Fertil Steril 24:698-705, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL COUNT/ CELL NUCLEUS/ HAMSTERS, physiology/ *HIBERNATION/ MALE/ ORGAN WEIGHT/ SEASONS/ SERTOLI CELLS/ SPERMATOGENESIS/ *TESTIS, physiology

3485. **Reznikoff WS:** The operon revisited.
Annu Rev Genet 6:133-56, 1972 (182 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BINDING SITES/ CHROMOSOMES, BACTERIAL/ DNA, BACTERIAL, analysis/ ENZYME INDUCTION/ ENZYME REPRESSION/ ESCHERICHIA COLI/ FEEDBACK/ GENES, REGULATOR/ GENES, STRUCTURAL/ GENETIC CODE/ MUTATION/ *OPERON/ REVIEW/ RNA, BACTERIAL, biosynthesis/ RNA, MESSENGER, biosynthesis/ RNA POLYMERASE, metabolism/ RNA, TRANSFER, biosynthesis/ SALMONELLA TYPHIMURIUM

3486. **Reznikov AG:** Eksperimental'nye dannye ob adrenokortikoliticheskoi aktivnosti m,p-1-dikhlordifenildikhloretana i p,p-1-dietildifenildikhloretana.
Probl Endokrinol (Mosk) 19:71-4, May-Jun 73 **(Rus)**
ADMINISTRATION, ORAL/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *DDD, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ FLUOROMETRY/ *HYDROCARBONS, HALOGENATED, pharmacodynamics/ HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ INJECTIONS, INTRAMUSCULAR/ PITUITARY-ADRENAL FUNCTION TESTS/ TIME FACTORS

3487. **Ricciardi I, Bertorello G, Bruni G, et al:** Treatment of premenopausal endometrial hyperplasia by a combination of a long-acting estrogen and a cyclic progestogen. Curr Ther Res 15:402-16, Jul 73
ADULT/ BIOPSY/ CURETTAGE/ CYCLOPENTANE, administration & dosage/ CYCLOPENTANE, adverse effects/ CYCLOPENTANE, therapeutic use/ DELAYED-ACTION PREPARATIONS/ *ENDOMETRIAL HYPERPLASIA, drug therapy/ ENDOMETRIAL HYPERPLASIA, pathology/ ENDOMETRIUM, pathology/ *ESTROGENS, administration & dosage/ ETHERS, administration & dosage/ ETHERS, adverse effects/ ETHERS, therapeutic use/ FEMALE/ HIRSUTISM, etiology/ HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE/ PERIODICITY/ *PROGESTERONE, administration & dosage/ PROGESTERONE, adverse effects/ PROGESTERONE, therapeutic use/ QUINESTROL, administration & dosage/ QUINESTROL, adverse effects/ QUINESTROL, therapeutic use/ UTERINE HEMORRHAGE, etiology

3488. **Rice JC:** The microsurgical revolution in otolaryngology. Med J Aust 2:1011-4, 28 Oct 72
BREAST NEOPLASMS, therapy/ CHILD/ FENESTRATION/ FIBROMA, surgery/ HUMAN/ HYPOPHYSECTOMY/ INFANT, NEWBORN/ LARYNGEAL NEOPLASMS, surgery/ LARYNGOSCOPY, instrumentation/ *MICROSURGERY/ MICROSURGERY, instrumentation/ NASOPHARYNX, abnormalities/ *OTORHINOLARYNGOLOGY, instrumentation/ OTOSCLEROSIS, surgery/ STAPES MOBILIZATION/ STAPES SURGERY/ TRANSPLANTATION, HOMOLOGOUS/ TYMPANIC MEMBRANE, transplantation

3489. **Richard P:** Les nouveaux diurétiques en pédiatrie.
Pediatrie 28:343-7, Apr-May 73 (10 ref.) **(Fre)**
*BENZOTHIADIAZINES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ EDEMA, drug therapy/ EDEMA, etiology/ ETHACRYNIC ACID, adverse effects/ *ETHACRYNIC ACID, therapeutic use/ FUROSEMIDE, adverse effects/ *FUROSEMIDE, therapeutic use/ GLOMERULONEPHRITIS, drug therapy/ HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ HYPERCALCEMIA, drug therapy/ HYPERTENSION, drug therapy/ INFANT/ KIDNEY DISEASES, complications/ *KIDNEY DISEASES, drug therapy/ KIDNEY

FAILURE, ACUTE, drug therapy/ KIDNEY FAILURE, CHRONIC, drug therapy/ NEPHROTIC SYNDROME, drug therapy/ REVIEW

3490. **Richards G, Neville AM:** The production of reduced C19 steroids by the prepubertal rat testis from 5 -pregnane-3,20-dione. J Endocrinol 58:2-3, Jul 73
ANDROSTENES, biosynthesis/ ANDROSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ MALE/ *PREGNANES, metabolism/ PUBERTY/ RATS/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis

3491. **Richards HG, Stephens A:** Sudden death associated with the taking of amphetamines by an asthmatic. Med Sci Law 13:35-8, Jan 73
ADULT/ AMPHETAMINE, blood/ *AMPHETAMINE, poisoning/ *ASTHMA, complications/ *DEATH, SUDDEN/ FEMALE/ HUMAN/ LUNG, pathology/ THYROID GLAND, pathology

3492. **Richards JG, Lorez HP, Tranzer JP:** Indolealkylamine nerve terminals in cerebral ventricles: identification by electron microscopy and fluorescence histochemistry. Brain Res 57:277-88, 27 Jul 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, physiology/ CEREBRAL VENTRICLES, drug effects/ *CEREBRAL VENTRICLES, physiology/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, metabolism/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ *NEURAL TRANSMISSION/ NIALAMIDE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ *SYNAPSES

3493. **Richards P, Jones MB, Peart WS:** Periodic hypokalaemic paralysis, adrenal adenoma, and normal colonic transport of sodium and potassium. Gut 14:478-84, Jun 73
*ADENOMA, metabolism/ ADENOMA, surgery/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, surgery/ ALDOSTERONE, blood/ *COLON, metabolism/ CORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, blood/ FECES, metabolism/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPERTENSION, therapy/ HYPOKALEMIA, etiology/ *HYPOKALEMIA, metabolism/ HYPOKALEMIA, therapy/ MIDDLE AGE/ MINERALOCORTICOIDS, blood/ PARALYSIS, etiology/ *PARALYSIS, metabolism/ PARALYSIS, therapy/ PERIODICITY/ *POTASSIUM, metabolism/ RENIN, blood/ *SODIUM, metabolism

3494. **Richards TC, Greengard O:** Distribution of glutamine hexosephosphate aminotransferase in rat tissues; changes with state of differentiation. Biochim Biophys Acta 304:842-50, 28 May 73
AGING/ *AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CARCINOMA 256, WALKER, enzymology/ CELL DIFFERENTIATION/ FEMALE/ FETUS, enzymology/ FRUCTOSEPHOSPHATES/ GLUCOSE, pharmacodynamics/ GLUTAMINE/ HEPATOMA, enzymology/ INTESTINES, drug effects/ INTESTINES, enzymology/ INTESTINES, growth & development/ KIDNEY, enzymology/ KIDNEY NEOPLASMS, enzymology/ KINETICS/ LACTATION/ LIVER, enzymology/ LIVER, growth & development/ MAMMAE, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PLACENTA, enzymology/ RATS/ RATS, INBRED STRAINS/ RHABDOMYOSARCOMA, enzymology/ SALIVARY GLANDS, enzymology

3495. **Richardson BD, Walker AR:** Prevalences of bowing and knock-knee in South African schoolchildren. Lancet 2:377, 18 Aug 73
ADOLESCENCE/ AGE FACTORS/ CHILD/ FEMALE/ HUMAN/ *JOINT DISEASES, occurrence/ *KNEE JOINT/ MALE/ RICKETS, occurrence/ SEX FACTORS/ SOUTH AFRICA

3496. **Richardson BP:** Evidence for a physiological role o prolactin in osmoregulation in the rat after it inhibition by 2-bromo- -ergokryptine. Br J Pharmacol 47:623P-624P, Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BROMINE, pharmacodynamics/ BROMINE, therapeutic use/ CALCIUM, urine/ *ERGOT ALKALOIDS, pharmacodynamics/ ERGOT ALKALOIDS, therapeutic use/ FEMALE/ HYDROGEN-ION CONCENTRATION KIDNEY, drug effects/ KIDNEY, physiology/ MALE/ NEPHROSIS, prevention & control/ ORGAN WEIGHT/ POTASSIUM, urine/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, physiology/ RATS/ SODIUM, urine/ TIME FACTORS/ *WATER-ELECTROLYTE BALANCE, drug effects

3497. **Richaud C, Isman H:** Double adénome parathyroïdie A propos d'une observation. J Urol Nephrol (Paris) 79:150-4, Jan-Feb 73 (Fr
*ADENOMA/ ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ CALCIUM, blood/ FEMALE/ HUMAN/ KIDNEY CALCULI, etiology/ KIDNEY CALCULI, surgery/ PARATHYROID GLANDS, surgery/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery/ RECURRENCE/ URETERAL CALCULI, etiology

3498. **Richman R, Dobbins C, Voina S, et al:** Regulation adrenal ornithine decarboxylase by adrenocorticotropic hormone and cyclic AMP. J Clin Invest 52:2007-15, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLAND NEOPLASMS, metabolism ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, enzymology/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS CARBOXY-LYASES, analysis/ *CARBOXY-LYASES, metabolism/ CORTICOTROPIN, antagonists & inhibitors/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DITHIOTHREITOL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ KIDNEY, enzymology/ LIVER, enzymology/ ORNITHINE/ PITUITA GLAND, physiology/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

3499. **Richter J, Ohlen J, Balletshofer C, et al:** Ovulationshemmer und Cholestase. Verh Dtsch Ges Inn Med 78:1538-9, 1972 (G
*CHOLESTASIS, chemically induced/ CHOLESTASIS, enzymology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN

3500. **Rieber M, Bacalao J:** Phosphorylation of high-molecular-weight membrane protein species Chinese-hamster ovary cells in culture: effect 6-N,2'-O-dibutyryladenosine 3':5'-cyclic monophosphate plus testosterone. Biochem J 132:641-4, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRA metabolism/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HAMSTERS/ LEUCINE, metabolism/ MOLECULAR WEIGHT/ OVARY, drug effe OVARY, metabolism/ PHOSPHATES, metabolism/ *PHOSPHOPROTEINS, biosynthesis/ PHOSPHORUS ISOTOPES/ SOLUBILITY/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITI

01. **Riedel V, Gerisch G, Müller E, et al:** Defective cyclic adenosine-3', 5'-phosphate-phosphodiesterase regulation in morphogenetic mutants of Dictyostelium discoideum.
J Mol Biol 74:573-85, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BINDING SITES/ CELL AGGREGATION/ CELL DIVISION/ ESCHERICHIA COLI/ KINETICS/ MUTATION/ *MYXOMYCETES, enzymology/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ PROTEIN BINDING/ SALMONELLA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

02. **Riedl P, Kärcher KH, Gschnait F, et al:** Zur Strahlentherapie des Kasabach-Merritt-Syndroms.
Fortschr Geb Roentgenstr Nuklearmed 119:119-22, Jul 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ *HEMANGIOMA, radiotherapy/ HUMAN/ INFANT/ OVARY, radiation effects/ *PURPURA, THROMBOPENIC, radiography/ RADIOTHERAPY DOSAGE/ RADIOTHERAPY, HIGH ENERGY/ *SKIN NEOPLASMS, radiotherapy/ SPINE, radiation effects/ SYNDROME

03. **Riley M, Perham RN:** The reaction of protein amino groups with methyl 5-iodopyridine-2-carboximidate. A possible general method of preparing isomorphous heavy-atom derivatives of proteins.
Biochem J 131:625-35, Apr 73
AMIDINES/ *AMINES/ AMINO ACIDS, analysis/ AUTOANALYSIS/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ FORMIC ACIDS/ IMINES/ INSULIN/ IODINE/ MASS SPECTRUM ANALYSIS/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ PEROXIDES/ PICOLINIC ACIDS/ *PROTEINS/ PROTEINS, analysis/ *PYRIDINES/ SPECTROPHOTOMETRY, ULTRAVIOLET

04. **Rindi G, Sciorelli G, Poloni M, et al:** Induction of ingestive responses by cAMP applied into the rat hypothalamus.
Experientia 28:1047-9, 15 Sep 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BUTYRATES, pharmacodynamics/ CARBACHOL, pharmacodynamics/ *DRINKING BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS/ *HYPOTHALAMUS, drug effects/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ RETICULAR FORMATION/ STEREOTAXIC TECHNICS

05. **Ringrose CA:** Effects of medroxyprogesterone acetate employed as a long-term injectable contraceptive.
J Reprod Med 8:75-9, Feb 72
ADULT/ BODY WEIGHT, drug effects/ BREAST, cytology/ BREAST, drug effects/ BREAST, pathology/ BREAST NEOPLASMS, pathology/ CHEMISTRY/ *CONTRACEPTIVE AGENTS, administration & dosage/ ENDOMETRIUM, drug effects/ FALLOPIAN TUBES, drug effects/ FEMALE/ FERTILITY, drug effects/ HUMAN/ INJECTIONS/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ MEDROXYPROGESTERONE, pharmacodynamics/ MENSTRUATION, drug effects/ OVARY, drug effects/ PAPILLOMA, pathology/ PARITY/ TIME FACTORS/ VAGINA, cytology/ VAGINAL SMEARS

06. **Ripa R:** Su alcune prove di esplorazione della funzionalità corticosurrenalica.
G Clin Med 53:449-58, Sep 72 (Ita)
ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *PITUITARY-ADRENAL FUNCTION TESTS

3507. **Rippmann ET:** Schwangerschaftskomplikationen durch Fehlernährung.
Med Klin 68:914-9, Jul 73 (Ger)
BIRTH WEIGHT/ DIET THERAPY/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INTESTINAL ABSORPTION/ LABOR, PREMATURE/ LACTATION/ MATERNAL-FETAL EXCHANGE/ NUTRITION/ *NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, prevention & control/ NUTRITION DISORDERS, therapy/ PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS, etiology/ PREGNANCY COMPLICATIONS, prevention & control/ PREGNANCY COMPLICATIONS, therapy/ PUERPERIUM/ REVIEW

3508. **Ritossa F:** Crossing-over between X AND Y chromosomes during ribosomal DNA magnification in Drosophila melanogaster.
Proc Natl Acad Sci USA 70:1950-4, Jul 73
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ *CROSSING OVER (GENETICS)/ *DNA, biosynthesis/ DNA, CIRCULAR, biosynthesis/ DROSOPHILA MELANOGASTER/ FEMALE/ GENES/ GENOTYPE/ MALE/ PHENOTYPE/ RECOMBINATION, GENETIC/ RIBOSOMES, metabolism/ RNA, RIBOSOMAL/ *SEX CHROMOSOMES

3509. **Ritz E, Kuhn HM, Krempien B, et al:** Röntgenologische Zeichen des gestören Calcium-Stoffwechsels bei Dialysepatienten. I. Häufigkeit röntgenologischer Skelettveränderungen.
Fortschr Geb Roentgenstr Nuklearmed 119:52-63, Jul 73 (Ger)
ADULT/ *BONE AND BONES, radiography/ BONE RESORPTION/ CALCIUM METABOLISM DISORDERS, etiology/ *CALCIUM METABOLISM DISORDERS, radiography/ CLAVICLE, radiography/ ENGLISH ABSTRACT/ FEMALE/ FINGERS, radiography/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOMALACIA, radiography/ PELVIC BONES, radiography/ SKULL, radiography

3510. **Rivenzon A:** Rosettes lymphocytaires autour des cellules interstitielles testiculaires de Souris.
C R Soc Biol (Paris) 166:1417-20, 1972 (Fre)
ANIMAL EXPERIMENTS/ *IMMUNE ADHERENCE REACTION/ LYMPHOCYTES, cytology/ LYMPHOCYTES, immunology/ MALE/ METHODS/ MICE/ TESTIS, cytology/ *TESTIS, immunology

3511. **Rivera VM:** Interpretation of serum creatine phosphokinase.
JAMA 225:993-4, 20 Aug 73
ACETATES, therapeutic use/ *CREATINE KINASE, blood/ *FLUDROCORTISONE, adverse effects/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYPOKALEMIA, chemically induced/ HYPOTENSION, ORTHOSTATIC, drug therapy/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, chemically induced

3512. **Rivera Damm R, Del Rosario Ruiz M, Del Rosario Alonso M, et al:** Determinación stimultánea de los niveles de excreción urinaria de hormonas luteinizante, pregnandiol, pregnantriol, 17-hidroxicorticoides y 17-cetosteroides durante el ciclo menstrual normal y sin implicaciones clínicas.
Ginecol Obstet Mex 33:301-11, Mar 73 (Spa)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *LH, urine/ *MENSTRUATION/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ TIME FACTORS

3513. **Rivier J, Brazeau P, Vale W, et al:** Synthèse totale par phase solide d'un tétradécapepide ayant les propriétés chimiques et biologiques de la somatostaine.
C R Acad Sci [D] (Paris) 276:2737-40, 9 May 73 (Fre)
METHODS/ *PEPTIDES, chem synthesis/ PEPTIDES, isolation & purification/

*PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors

3514. **Rizk M, Vallon JJ, Badinand A:** Dosage colorimétrique des stéronaides acétyléniques à l'aide des ions Ag. Anal Chim Acta 65:220-2, Jun 73 **(Fre)**
*ALKYNES, analysis/ COLORIMETRY/ ETHINYL ESTRADIOL, analysis/ LYNESTRENOL, analysis/ MESTRANOL, analysis/ METHODS/ NORETHINDRONE, analysis/ NORETHYNODREL, analysis/ *PREGNATRIENES, analysis/ *PREGNENES, analysis

3515. **Rizki TM, Rizki RM, Douthit HA:** Morphogenic effects of halogenated thymidine analogues on Drosophila. I. Quantitative analysis of lesions induced by 5-bromodeoxyuridine and 5-fluorouracil.
Biochem Genet 6:83-97, Feb 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BROMODEOXYURIDINE, metabolism/ *BROMODEOXYURIDINE, pharmacodynamics/ CELL NUCLEUS, metabolism/ DEOXYRIBONUCLEASE/ *DROSOPHILA MELANOGASTER, drug effects/ DROSOPHILA MELANOGASTER, growth & development/ DROSOPHILA MELANOGASTER, metabolism/ FEMALE/ FLUOROURACIL, metabolism/ *FLUOROURACIL, pharmacodynamics/ LARVA, cytology/ LARVA, drug effects/ LARVA, metabolism/ MALE/ MUTATION/ SEX CHROMOSOMES/ TRITIUM/ *WING, drug effects

3516. **Robbins J:** Radioassay and the thyroid gland.
Metabolism 22:1021-6, Aug 73 (42 ref.)
BINDING, COMPETITIVE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES/ *RADIOIMMUNOASSAY/ REVIEW/ *THYROID GLAND, metabolism/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3517. **Robel P, Corpéchot C, Baulieu EE:** Testosterone and androstanolone in rat plasma and tissues.
FEBS Lett 33:218-20, 1 Jul 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, GAS/ HYPOTHALAMUS, analysis/ INTESTINE, SMALL, analysis/ KIDNEY, analysis/ MALE/ MUSCLES, analysis/ PITUITARY GLAND, analysis/ PROSTATE, analysis/ RADIOISOTOPES/ RATS/ SEMINAL VESICLES, analysis/ *STANOLONE, analysis/ STANOLONE, blood/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood

3518. **Robert M, Filiastre JP, Dubois D, et al:** Hyperparathyroïdie primaire.
Sem Hop Paris 49:475-85, 8 Feb 73 (40 ref.) **(Fre)**
*ADENOMA, diagnosis/ ADENOMA, surgery/ BONE DISEASES, etiology/ CALCIUM, blood/ CARDIOVASCULAR DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ KIDNEY DISEASES, etiology/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ NEUROLOGIC MANIFESTATIONS/ PANCREATITIS, etiology/ PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery/ REVIEW/ SEX FACTORS/ ULCER, etiology

3519. **Roberto Sotelo J, García RB, Wettstein R:** Serial sectioning study of some meiotic stages in Scaptericus borrelli (Gryllotdea). Chromosoma 42:307-33, 28 Jun 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CELL NUCLEOLUS/ CELL NUCLEUS/ CHROMATIN/ CHROMOSOMES/ CYTOPLASMIC GRANULES/ *INSECTS/ MALE/ *MEIOSIS/ MICROSCOPY, ELECTRON/ SEX CHROMOSOMES/ *SPERMATOZOA

3520. **Roberts HE, Benson JA, Jones DG:** "Fog "Fever" (acute bovine pulmonary emphysema) in Mid-Wales, 1971: features of occurrence. Vet Rec 92:558-61, 26 May 73
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ BREEDING/ CATTLE/ CATTLE DISEASES, drug therapy/ *CATTLE DISEASES, occurrence/ CATTLE DISEASES, pathology/ PULMONARY EMPHYSEMA, drug therapy/ PULMONARY EMPHYSEMA, occurrence/ PULMONARY EMPHYSEMA, pathology/ *PULMONARY EMPHYSEMA, veterinary/ SEASONS/ WALES

3521. **Roberts PD, Forster PM:** Chronic lymphocytic leukaemia associated with acute myelomonocyt leukaemia. Br J Haematol 25:203-6, Aug 73
AGED/ ALLOPURINOL, therapeutic use/ BLOOD CELL COUNT/ DEHYDRATION/ ERYTHROCYTES/ FEVER/ HEMOGLOBIN, analysis/ HEMORRHAGE/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, complications/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, pathology/ *LEUKEMIA, MYELOBLASTIC, complications/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, pathology/ LYMPHOCYTES/ MALE/ MONOCYTES/ PHARYNGITIS, etiology/ PREDNISONE, therapeutic use/ RETICULOCYTES

3522. **Roberts RM, Walker A, Cetorelli JJ:** Fucose-containi glycopeptides from the cell surface of Chine hamster ovary cells grown in the presence or absen of cyclic AMP. Nature [New Biol] 244:86-9, 18 Jul
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CELL LINE/ CELL MEMBRANE, analysis/ *CELL MEMBRANE, drug effects/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FEMALE/ *FUCOSE, analysis/ GEL FILTRATION/ *GLYCOPEPTIDES, analysis/ GLYCOPEPTIDES, isolation & purification/ HAMSTERS/ NEURAMINIDASE, pharmacodynamics/ OVARY/ PRONASE/ TRITIUM/ TRYPSIN

3523. **Robertson EG:** Pneumographic demonstration suprasellar tumours.
Proc Aust Assoc Neurol 9:205-12, 1973
ADENOMA, radiography/ ADENOMA, CHROMOPHOBE, radiography/ ADULT/ CRANIOPHARYNGIOMA, radiography/ GLIOMA, radiography/ HUMAN/ MALE/ METHODS/ NEOPLASM RECURRENCE, LOCAL, radiography/ *NEOPLASMS, radiography/ OPTIC CHIASM, radiography/ OPTIC NERVE, radiography/ PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA

3524. **Robertson GL, Mahr EA, Athar S, et al:** Developm and clinical application of a new method for radioimmunoassay of arginine vasopressin in hum plasma. J Clin Invest 52:2340-52, Sep 73
ACETONE/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ARGININE, blood/ BLOOD PRESERVATION/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ DIABETES INSIPIDUS, blood/ DIURESIS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ LYSINE/ METHODS/ OSMOLAR CONCENTRATION/ OXYTOCIN/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ *RADIOIMMUNOASSAY/ TRIMETHOPRIM, pharmacodynamics/ URINE, analysis/ *VASOPRESSIN, blood/ VASOTOCIN

3525. **Robertson JC:** A case of hypopituitarism associa with sickle cell trait. Guys Hosp Rep 121:223-6, 1
ADULT/ *ANEMIA, SICKLE CELL, complications/ BRONCHITIS, complications/ CORTISONE, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ HEMATOMA, etiology/ HUMAN/ HYPOPITUITARISM, dru therapy/ *HYPOPITUITARISM, etiology/ PA drug therapy/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PUERPERIUM/ STERILIZATION, TUBAL/

THYROTROPIN, therapeutic use/ THYROXINE, therapeutic use

26. **Robillard J, Couette JE, Bloquel J, et al:** Etude de la variation de la fixation du strontium 85 au niveau de l'ensemble des segments du squelette.
Pathol Biol (Paris) 21:587-92, Jun 73 (Fre)
*BONE AND BONES, metabolism/ *BONE NEOPLASMS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *RADIOISOTOPE SCANNING/ *STRONTIUM ISOTOPES

27. **Robiller F:** Tierexperimentelle Untersuchung über den Einfluss erhöhter Körpertemperatur auf den Radiojod-Zweiphasentest.
Radiobiol Radiother (Berl) 14:307-10, 1973 (Ger)
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ ENGLISH ABSTRACT/ FEMALE/ FEVER/ IODINE, metabolism/ IODINE ISOTOPES/ PROTEIN-BOUND IODINE TEST/ RATS/ *THYROID GLAND FUNCTION TESTS

28. **Robiller F, Stiller KJ:** Mit 131J untersuchten Schilddrüsenfunktion des Wellensittichs (Melopsittacus undulatus) im Vergleich mit Autoradiographie und Morphologie.
Arch Exp Veterinaermed 26:875-82, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IODINE, metabolism/ *IODINE ISOTOPES, DIAGNOSTIC/ MALE/ *PSITTACINES/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, physiology/ *THYROID GLAND FUNCTION TESTS, veterinary

29. **Robinow M:** A syndrome's progress.
Am J Dis Child 126:150, Aug 73
*DWARFISM, familial & genetic/ *FACIAL EXPRESSION/ FEMALE/ HUMAN/ MALE/ SYNDROME

30. **Robinson GA:** The oocytes as major competitors for radioiodide in laying Japanese quail.
Gen Comp Endocrinol 21:123-8, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ FEMALE/ *IODINE, metabolism/ IODINE ISOTOPES/ OVARY, metabolism/ *OVUM, metabolism/ *QUAIL/ THYROID GLAND, metabolism/ TIME FACTORS

31. **Robinson JA, Karavolas HJ:** Conversion of progesterone by rat anterior pituitary tissue to 5 alpha-pregnane-3,20-dione and 3 alpha-hydroxy-5 alpha-pregnan-20-one. Endocrinology 93:430-5, Aug 73
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ IN VITRO/ *KETONES, metabolism/ *PITUITARY GLAND, metabolism/ *PREGNANES, metabolism/ *PROGESTERONE, metabolism/ RADIOISOTOPE DILUTION TECHNIC/ RATS/ SUBCELLULAR FRACTIONS, analysis/ TRITIUM

32. **Robinson JJ:** Some aspects of ewe nutrition.
Vet Rec 92:602-6, 9 Jun 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ BODY WEIGHT/ FEMALE/ FETAL DEATH, veterinary/ FETUS, metabolism/ GESTATIONAL AGE/ GROWTH/ HOUSING, ANIMAL/ LACTATION/ MILK/ NITROGEN, metabolism/ OVULATION/ PREGNANCY/ PROTEINS, metabolism/ REPRODUCTION/ SEASONS/ *SHEEP, metabolism

33. **Robinson MJ:** Pigmented nodules (black adenomas) of the adrenal gland. Arch Pathol 96:207, Sep 73
*ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ HUMAN

34. **Robinson RL, Tyler MJ:** The catecholamine content of the adrenal glands of frogs as an index of phylogenetic relationships. Comp Gen Pharmacol 3:167-70, Jun 72
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, metabolism/ EVOLUTION/ FEMALE/ FROGS/ KIDNEY, metabolism/ MALE/ SEX FACTORS/ SPECIES SPECIFICITY

3535. **Robinson TJ:** Factors involved in the failure of sperm transport and survival in the female reproductive tract. J Reprod Fertil [Suppl] 18:103-9, Jul 73 (9 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CERVIX UTERI, physiology/ COITUS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FALLOPIAN TUBES, physiology/ FEMALE/ FERTILIZATION/ *GENITALIA, FEMALE, physiology/ HUMAN/ MALE/ REVIEW/ SHEEP/ *SPERMATOZOA, physiology/ TIME FACTORS/ UTERUS, physiology/ VAGINA, physiology

3536. **Robyn C, Hildebrandt H, L'Hermite M, et al:** The diagnostic use of synthetic LH-RH (HOE 471) in women with normal and disturbed menstrual function and under treatment with sex-steroids.
Acta Endocrinol [Suppl] (Kbh) 173:88, 1973
*AMENORRHEA, blood/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, CHEMICAL/ ETHINYL ESTRADIOL/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MENOPAUSE, drug effects/ MENSTRUATION/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PROLACTIN, metabolism/ STIMULATION, CHEMICAL

3537. **Rodbell M:** The problem of identifying the glucagon receptor. Fed Proc 32:1854-8, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ *GLUCAGON/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ *LIVER, cytology/ LIVER, drug effects/ LIVER, metabolism/ MODELS, BIOLOGICAL/ RATS/ *RECEPTORS, HORMONE

3538. **Rodenhoff G, Dämmrich K:** Untersuchungen zur Beeinflussung der Röhrenknochenstruktur durch verschiedene Haltungssysteme bei Masthähnchen.
Berl Munch Tieraerztl Wochenschr 86:230-3 contd, 15 Jun 73 (Ger)
ANIMAL EXPERIMENTS/ *BONE AND BONES, anatomy & histology/ BONE DEVELOPMENT/ *CHICKENS, growth & development/ *HOUSING, ANIMAL/ MALE

3539. **Rodríguez-Argüelles J, Villanueva-Gasca A:** Estudio de función suprarrenal en diferentes complicaciones obstétricas. Su relación con la unidad fetoplacentaria.
Gac Med Mex 105:513-26, May 73 (Spa)
*ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ADULT/ FEMALE/ *FETUS/ HUMAN/ INFANT, NEWBORN/ 17-KETOSTEROIDS, urine/ PITUITARY-ADRENAL FUNCTION TESTS/ *PLACENTA/ PREGNANCY/ *PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY COMPLICATIONS, urine

3540. **Roe TF, Kershnar AK, Weitzman JJ, et al:** Beckwith's syndrome with extreme organ hyperplasia.
Pediatrics 52:372-81, Sep 73
ABDOMINAL NEOPLASMS, complications/ *ABNORMALITIES, MULTIPLE/ *ADRENAL GLAND DISEASES, complications/ ADRENAL GLANDS/ ANTIGENS/ BLOOD SUGAR, analysis/ FEMALE/ HUMAN/ HYPERPLASIA, complications/ HYPOGLYCEMIA, complications/ INFANT, NEWBORN/ INSULIN, blood/ 17-KETOSTEROIDS, urine/ *KIDNEY DISEASES, complications/ LEUCINE/ PANCREAS/ PANCREATECTOMY/ TIME FACTORS/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ UMBILICUS/ UMBILICUS, abnormalities

3541. **Roger P, Coquet M, Leblanc M, et al:** Un cas de myopathie hypothyroïdienne: étude

ultra-structurale.
Sem Hop Paris 49:1765-8, 20 May 73 (Fre)
HUMAN/ *HYPOTHYROIDISM, complications/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, pathology/ MYXEDEMA, complications

3542. **Rogers PW, Kurtzman NA:** Renal failure, uncontrollable thirst, and hyperreninemia. Cessation of thirst with bilateral nephrectomy.
JAMA 225:1236-8, 3 Sep 73
ANGIOTENSIN, blood/ ANGIOTENSIN, physiology/ HEMODIALYSIS/ HUMAN/ HYPERTENSION, diagnosis/ HYPONATREMIA, diagnosis/ HYPOTHALAMUS, physiology/ *KIDNEY FAILURE, CHRONIC, physiopathology/ MALE/ MIDDLE AGE/ *NEPHRECTOMY/ *RENIN, blood/ RENIN, physiology/ *THIRST/ TIME FACTORS

3543. **Röhle G, Breuer H:** Synthesis of glucuronides of 2-hydroxylated oestrogens and their methyl ethers.
Acta Endocrinol [Suppl] (Kbh) 173:7, 1973
ESTRADIOL, metabolism/ ESTROGENS, biosynthesis/ ESTROGENS, chem synthesis/ *GLUCURONATES, chem synthesis/ GLUCURONATES, metabolism/ HYDROXYLATION/ METHYL ETHER

3544. **Rohmer F, Maitrot D, Warter JM, et al:** Syndrome de Klinefelter à formule XXYY et comitialité.
Rev Otoneuroophtalmol 44:397-403, Oct-Dec 72 (Fre)
ADULT/ *CONVULSIONS, complications/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, complications/ MALE/ NEUROLOGIC MANIFESTATIONS

3545. **Roine K:** De vanligaste fertilitesrubbningarna hos ko samt deras säsongvariationer.
Nord Vet Med 25:242-7, Apr-May 73 (Swe)
ANIMAL EXPERIMENTS/ BREEDING/ CATTLE/ *CATTLE DISEASES/ ENDOMETRITIS, complications/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ OVARIAN CYSTS, complications/ OVULATION/ SEASONS/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, veterinary

3546. **Rojo-Ortega JM, Hayduk K, Genest J:** Etude morphodynamique sur l'ontogénèse du système rénine-angiotensine.
Union Med Can 102:787-804, Apr 73 (Fre)
*ANGIOTENSIN/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ HISTOLOGICAL TECHNICS/ HUMAN/ INFANT/ INFANT, NEWBORN/ *JUXTAGLOMERULAR APPARATUS, embryology/ MICROSCOPY, ELECTRON/ *RENIN

3547. **Rokhlin DG, Zadvornova VP, Makletsova NP:** Sostoianie sheĭnogo otdela pozvonochnika posle rentgenoterapii po povodu raka shchitovidnoĭ shelezy.
Vestn Rentgenol Radiol 48:47-51, May-Jun 73 (Rus)
ADULT/ *CERVICAL VERTEBRAE, radiation effects/ CERVICAL VERTEBRAE, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSTEORADIONECROSIS/ *RADIATION INJURIES/ *RADIOTHERAPY, adverse effects/ *THYROID NEOPLASMS, radiotherapy

3548. **Rolek DF, Dale HE:** The effect of simultaneous treatment with thyroxine and ascorbic and precursors on serum cholesterol concentration.
Atherosclerosis 15:185-8, Mar-Apr 72
ANIMAL EXPERIMENTS/ *ANTICHOLESTEREMIC AGENTS, therapeutic use/ *ASCORBIC ACID, therapeutic use/ *CHOLESTEROL, blood/ GLUCURONATES/ HYPERTHYROIDISM, prevention & control/ LIVER, metabolism/ MALE/ RATS/ THYROXINE, metabolism/ *THYROXINE, therapeutic use

3549. **Rom-Bugoslavskaia ES:** Nekotorye kliniko-fiziologicheskie sopostavleniia v kharakteristike tireotoksicheskogo serdtsa.
Probl Endokrinol (Mosk) 19:11-6, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ CARDIAC OUTPUT/ CAROTID ARTERIES, physiopathology/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HEART FUNCTION TESTS/ HEART RATE/ HUMAN/ HYPERTHYROIDISM, pathology/ *MYOCARDIAL DISEASES, SECONDARY, physiopathology/ PHONOCARDIOGRAPHY/ PULSE/ RABBITS

3550. **Rom-Bugoslavskaia ES, Tikhonova EP:** K voprosu o differentsial'noĭ diagnostike kardial'nykh proiavleniĭ tireotoksikoza i neirotsirkuliatornoĭ distonii.
Kardiologiia 13:113-5, 1973 (Rus)
CARDIAC OUTPUT/ CARDIAC VOLUME/ DIAGNOSIS, DIFFERENTIAL/ ELECTROCARDIOGRAPHY/ EXTRASYSTOLE, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *NEUROCIRCULATORY ASTHENIA, diagnosis/ PHONOCARDIOGRAPHY/ TIME FACTORS/ VASCULAR RESISTANCE

3551. **Romanenko GF, Kriaschewa SS:** Einige Aspekte der Wechselwirkung von Kortikosteroiden und genetischem Zellapparat.
Allerg Immunol (Leipz) 18:161-2, 1972 (Ger)
COLLAGEN DISEASES, familial & genetic/ DEXAMETHASONE, pharmacodynamics/ ECZEMA, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ MOUTH MUCOSA, cytology/ NEURODERMATITIS, familial & genetic/ PREDNISOLONE, pharmacodynamics/ PSORIASIS, familial & genetic/ *SEX CHROMATIN, drug effects/ SKIN DISEASES, familial & genetic/ TRIAMCINOLONE, pharmacodynamics/ VASCULAR DISEASES, familial & genetic

3552. **Romanenko GF, Verbenko EV, Ezhov NIa:** Opy lechenila bol'nykh puzyrchatkoĭ kortikosteroidami metotraksatom.
Vestn Dermatol Venerol 47:61-4, Mar 73 (Rus)
ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *METHOTREXATE, therapeutic use/ MIDDLE AGE/ *PEMPHIGUS, drug therapy/ RECURRENCE/ REMISSION

3553. **Romijn HJ:** Structure and innervation of the pinea gland of the rabbit, Oryctolagus cuniculus (L.). I. light microscopic investigation.
Z Zellforsch Mikrosk Anat 139:473-85, 7 Jun 7
ANIMAL EXPERIMENTS/ AUTONOMIC FIBERS, POSTGANGLIONIC, cytology/ CELL NUCLEUS/ DENDRITES/ GANGLIA, AUTONOMIC, cytology/ MALE/ MICROSCOPY PHASE CONTRAST/ NEURONS, cytology/ PARASYMPATHETIC NERVOUS SYSTEM, cytology/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, etiology/ RABBITS, anatomy & histology/ STAINS AN STAINING/ SYNAPSES, cytology

3554. **Rommerts FF, Cooke BA, Van der Kemp JW, et a** Effect of luteinizing hormone on 3',5'-cyclic AMP a testosterone production in isolated interstitial tissu of rat testis. FEBS Lett 33:114-8, 15 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOSE, pharmacodynamics/ HYPOPHYSECTOMY/ IN VITRO/ *LH, pharmacodynamics/ MALE/ PITUITARY GLAND, physiology/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ TESTIS, drug effects/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TIME FACTORS

3555. **Römmler A, Baumgarten S, Hammerstein J:** Hormon response to multiple stimulation with synthet luteinizing hormone-releasing hormone (LH-RH) amenorrhoic women.
Acta Endocrinol [Suppl] (Kbh) 173:87, 1973
AMENORRHEA, metabolism/ FEMALE/ HUMAN/ *LH, blood/ PITUITARY GLAND,

drug effects/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY

56. **Rondanini GB, Gardoni L, Giranzani F:** Pseudo-pubertà precoce da folliculoma ovarico in una bambina di 16 mesi.
Minerva Pediatr 24:479-86, 7 Apr 72 (Ita)
ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, complications/ HUMAN/ INFANT/ *OVARIAN NEOPLASMS, complications/ *PUBERTY, PRECOCIOUS, etiology

57. **Roo M de:** Radiation exposure of the patient in nuclear medicine. J Belge Radiol 56:175-83, Mar-Apr 73
HALF-LIFE/ HEMATOLOGIC DISEASES, diagnosis/ HUMAN/ IODINE ISOTOPES/ KIDNEY DISEASES, diagnosis/ KIDNEY FUNCTION TESTS/ NEOPLASMS, diagnosis/ *RADIATION DOSAGE/ *RADIATION PROTECTION/ RADIOISOTOPE SCANNING/ *RADIOISOTOPES, diagnostic use/ THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ VASCULAR DISEASES, diagnosis

58. **Roo T de, Minden SH van:** Lymphographic findings in a series of 258 patients with tumors of the testes.
Lymphology 6:97-100, Jun 73
ADULT/ DISGERMINOMA, radiography/ EVALUATION STUDIES/ HUMAN/ LUMBOSACRAL REGION/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ MALE/ PHLEBOGRAPHY/ TERATOID TUMOR, radiography/ *TESTICULAR NEOPLASMS, radiography

59. **Roobol A, Alleyne GA:** Regulation of renal gluconeogenesis by calcium ions, hormones and adenosine 3':5'-cyclic monophosphate.
Biochem J 134:157-65, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ *CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPINEPHRINE, pharmacodynamics/ FUMARATES, metabolism/ *GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ GLUTAMINE, metabolism/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, enzymology/ KIDNEY CORTEX, metabolism/ KINETICS/ LACTATES, metabolism/ MALATES, metabolism/ MALE/ MODELS, BIOLOGICAL/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STARVATION/ SUCCINATES, metabolism

60. **Roos D, Nowakowski H:** Die Beeinflussung der Rezidivrate operativ behandelter Hypophysenvorderlappenadenome mit Testosteron u. a. anabolen Steroiden.
Verh Dtsch Ges Inn Med 78:172-5, 1972 (Ger)
*ADENOMA, CHROMOPHOBE, drug therapy/ ADENOMA, CHROMOPHOBE, surgery/ *ANABOLIC STEROIDS, therapeutic use/ HUMAN/ NEOPLASM RECURRENCE, LOCAL/ *PITUITARY NEOPLASMS, drug therapy/ PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE CARE/ *TESTOSTERONE, therapeutic use

61. **Roosevelt TS, Ruhmann-Wennhold A, Nelson DH:** Adrenal corticosteroid effects upon rat brain mitochondrial metabolism.
Endocrinology 93:619-25, Sep 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOCHROMES, metabolism/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ *OXYGEN CONSUMPTION, drug effects/ RATS/ ROTENONE, pharmacodynamics

3562. **Rorive G:** L'hypertension d'origine rénale.
Rev Med Liege 28:464-71, Jul 73 (Fre)
CLONIDINE, therapeutic use/ DIET, SALT-FREE/ GLOMERULONEPHRITIS, complications/ HUMAN/ HYDRALAZINE, therapeutic use/ *HYPERTENSION, RENAL/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENAL, therapy/ KIDNEY DISEASES, complications/ KIDNEY FAILURE, CHRONIC, complications/ METHYLDOPA, therapeutic use/ NEPHRITIS, INTERSTITIAL, complications/ RENAL ARTERY OBSTRUCTION, complications/ RENIN, blood/ RESERPINE, therapeutic use/ SODIUM, metabolism

3563. **Rösch W:** Exsudative Gastroenteropathie.
Fortschr Med 91:875-81, 19 Jul 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ ENTEROCOLITIS, ACUTE, complications/ HUMAN/ *INTESTINAL DISEASES/ LYMPHANGIECTASIS, complications/ *LYMPHATIC DISEASES, complications/ LYMPHEDEMA, complications/ LYMPHOMA, complications/ *PROTEIN-LOSING ENTEROPATHIES/ PROTEIN-LOSING ENTEROPATHIES, drug therapy/ RETROPERITONEAL FIBROSIS, complications

3564. **Rose NR, Kite JH Jr, Vladutiu O, et al:** Genetic aspects of autoimmune thyroiditis.
Int Arch Allergy Appl Immunol 45:138-49, 1973
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENIC DETERMINANTS/ ANTIGENS/ ANTIGENS, VIRAL/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, familial & genetic/ CHICKENS/ GENE FREQUENCY/ GENES, STRUCTURAL/ HETEROZYGOTE/ HISTOCOMPATIBILITY ANTIGENS/ HYPOTHYROIDISM, immunology/ ISOANTIGENS/ MICE/ PEPTIDES/ THYROGLOBULIN/ *THYROIDITIS, familial & genetic

3565. **Roseghini M, Cei JM:** Bradykinin-like peptides and 5-hydroxytryptamine in the skin of Ascaphus truei.
Comp Gen Pharmacol 3:195-9, Jun 72
*AMPHIBIA/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BRADYKININ, isolation & purification/ *BRADYKININ, metabolism/ BRADYKININ, pharmacodynamics/ DOGS/ DUODENUM, drug effects/ ELECTROPHORESIS, PAPER/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ INTESTINE, LARGE, drug effects/ PEPTIDES, isolation & purification/ *PEPTIDES, metabolism/ PEPTIDES, pharmacodynamics/ RABBITS/ RATS/ SEROTONIN, isolation & purification/ *SEROTONIN, metabolism/ *SKIN, metabolism/ STIMULATION, CHEMICAL/ UTERUS, drug effects

3566. **Rosen AJ, Cohen ME:** The effects of cinanserin, a potent serotonin antagonist, on the acquisition of a running response in the rat.
Neuropharmacology 12:501-8, Jun 73
*ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CINNAMATES, pharmacodynamics/ *CONDITIONING, OPERANT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ RATS/ *SEROTONIN, antagonists & inhibitors/ SULFIDES, pharmacodynamics

3567. **Rosenbaum MG:** Estrogen in treatment of the male climacteric. Rocky Mt Med J 70:37-8, Sep 73
ADULT/ AGED/ ARTHRITIS, complications/

*CLIMACTERIC, drug effects/ *ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS/ TESTOSTERONE, therapeutic use

3568. **Rosenberg JC, Azcarate J, Fleischmann LE, et al:** Indications for pretransplant nephrectomy.
Arch Surg 107:233-41, Aug 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ ETHNIC GROUPS/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERTENSION, MALIGNANT, surgery/ HYPERTENSION, RENAL, surgery/ KIDNEY, abnormalities/ *KIDNEY, transplantation/ KIDNEY, POLYCYSTIC, surgery/ MALE/ *NEPHRECTOMY/ NEPHRECTOMY, adverse effects/ NEPHRECTOMY, mortality/ PYELONEPHRITIS, surgery/ RADIOIMMUNOASSAY/ RENIN, blood/ RETROSPECTIVE STUDIES/ SEX FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ URINARY TRACT INFECTIONS, surgery/ VESICO-URETERAL REFLUX, surgery

3569. **Rosenthal AR, Ryan SJ Jr, Horowitz P:** Ocular manifestations of dwarfism.
Trans Am Acad Ophthalmol Otolaryngol 76:1500-18, Nov-Dec 72 (56 ref.)
ABNORMALITIES, MULTIPLE/ ACHONDROPLASIA/ ACHONDROPLASIA, radiography/ ADOLESCENCE/ ADULT/ ANTERIOR CHAMBER, pathology/ CHILD/ CHILD, PRESCHOOL/ CLUBFOOT/ COLOR/ *DWARFISM/ DWARFISM, familial & genetic/ DWARFISM, pathology/ DWARFISM, PITUITARY/ ECCENTRO-OSTEOCHONDRODYSPLASIA/ EXTREMITIES/ *EYE MANIFESTATIONS/ FORAMEN MAGNUM/ GONIOSCOPY/ HUMAN/ IRIS/ MIDDLE AGE/ REFRACTIVE ERRORS/ REVIEW/ SKIN, pathology/ SOMATOTROPIN, blood

3570. **Rosenthal J, Gottwick M, Hollander W:** Stimulation renalvenöser Plasmareninaktivitäten mit Apresolin in der Diagnostik des renovasculären Hochdrucks.
Verh Dtsch Ges Inn Med 78:1495-8, 1972 (Ger)
ADULT/ AGED/ FEMALE/ HUMAN/ *HYDRALAZINE, diagnostic use/ *HYPERTENSION, RENAL, diagnosis/ MALE/ MIDDLE AGE/ RENAL VEINS/ RENIN, blood/ STIMULATION, CHEMICAL

3571. **Rosenthale ME, Dervinis A, Kassarich J, et al:** Bronchodilating properties of the prostaglandin f2 in the guinea pig and cat.
Prostaglandins 3:767-72, Jun 73
ACETYLCHOLINE, pharmacodynamics/ AEROSOLS/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BRONCHI, drug effects/ CATS/ CONSTRICTION/ DILATATION/ FEMALE/ GUINEA PIGS/ INJECTIONS, INTRAVENOUS/ LUNG COMPLIANCE, drug effects/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ STEREOISOMERS/ STIMULATION, CHEMICAL

3572. **Rosenthall L:** A quantitative analysis of the effect of thyroid suppression and stimulation on 131 I thyroid trapping.
Radiology 108:353-7, Aug 73
FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES, administration & dosage/ *IODINE ISOTOPES, DIAGNOSTIC/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, administration & dosage/ *THYROTROPIN, diagnostic use/ TIME FACTORS/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, diagnostic use

3573. **Roses AD, Appel SH:** Protein kinase activity in erythrocyte ghosts of patients with myotonic muscular dystrophy.
Proc Natl Acad Sci USA 70:1855-9, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, metabolism/ BLOOD PROTEINS, analysis/ BLOOD PROTEINS, metabolism/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ERYTHROCYTES, cytology/ *ERYTHROCYTES, enzymology/ HISTONES, metabolism/ HUMAN/ MUSCULAR DYSTROPHY, blood/ *MUSCULAR DYSTROPHY, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, bloo PROTEIN KINASE, blood

3574. **Ross DI:** Antibiotics in the dry cow.
Vet Rec 92:628, 9 Jun 73
ANIMAL EXPERIMENTS/ *ANTIBIOTICS, therapeutic use/ CATTLE/ FEMALE/ LACTATION/ *MASTITIS, BOVINE, preventic & control

3575. **Ross GW, Chanter KV, Harris AM, et al:** Comparison assay techniques for beta-lactamase activity.
Anal Biochem 54:9-16, Jul 73
BIOLOGICAL ASSAY/ CEPHALEXIN/ CEPHALORIDINE/ CEPHALOSPORINS/ CEPHALOTHIN/ CLOXACILLIN/ COMPARATIVE STUDY/ ENTEROBACTERIACEAE, enzymology/ EVALUATION STUDIES/ HYDROXYLAMINE IODINE/ KINETICS/ KLEBSIELLA, enzymology/ LACTAMS/ METHICILLIN/ METHODS/ OXIDATION-REDUCTION/ PENICILLIN G/ *PENICILLINASE, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET

3576. **Ross JW, Paup DC, Brant-Zawadzki M, et al:** Effects cis- and trans-clomiphene in the induction of sex behavior.
Endocrinology 93:681-5, Sep 73
ANIMAL EXPERIMENTS/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ DRUG SYNERGISM/ ESTRADIOL, administration & dosage/ ESTRADIOL, antagonists & inhibitors/ ESTRADIOL, pharmacodynamics/ FEMALE/ ISOMERISM/ MALE/ POSTURE/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects

3577. **Rossi EC, Levin NW:** Inhibition of primary ADP-induced platelet aggregation in normal subje after administration of nitrofurantoin (furadanti
J Clin Invest 52:2457-67, Oct 73
*ADENOSINE DIPHOSPHATE, antagonists & inhibitors/ ADENOSINE DIPHOSPHATE, metabolism/ ADMINISTRATION, ORAL/ ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ BUFFERS/ COLLAGEN, pharmacodynamics/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ KINETICS/ NITROFURANTOIN, administration & dosage NITROFURANTOIN, blood/ *NITROFURANTOIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3578. **Rosso R, Brema F, Santi L:** Trattamento del carcino mammario avanzato con una associazione di vincristina, fluorouracile, methotrexate, ciclofosfamide e prednisone.
Tumori 59:163-5, Mar-Apr 73 (I
AGED/ *BREAST NEOPLASMS, drug therap CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ FLUOROURACIL, administration & dosage/ *FLUOROURACIL, therapeutic use/ HUMAN/ METHOTREXATE administration & dosage/ *METHOTREXATE therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, administration dosage/ *PREDNISONE, therapeutic use/ TIME FACTORS/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

3579. **Rossouw DJ, Engelbrecht FM:** Morfologiese veranderinge tydens eksperimentele hipercholesterolemie.
S Afr Med J 47:1460-6, 18 Aug 73 (A
ADRENAL GLANDS, pathology/ ANIMAL

EXPERIMENTS/ AORTA, pathology/ ARTERIOSCLEROSIS, pathology/ CORONARY VESSELS, pathology/ ENGLISH ABSTRACT/ FEMALE/ *HYPERCHOLESTEREMIA, pathology/ KIDNEY, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ MICROSCOPY, ELECTRON/ MYOCARDIAL INFARCT, pathology/ MYOCARDIUM, pathology/ PULMONARY ARTERY, pathology/ RABBITS/ SPLEEN, pathology

. Rostad H: Extrinsic and central nervous control of colonic motility. A survey of previous and new concepts based on experimental results.
J Oslo City Hosp 23:65-75, Apr 73 (50 ref.)
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CATS/ CEREBRAL CORTEX, physiology/ COLON, innervation/ *COLON, physiology/ DIENCEPHALON, physiology/ ELECTRIC STIMULATION/ *GASTROINTESTINAL MOTILITY/ HUMAN/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ METHODS/ OLFACTORY BULB, physiology/ PERIPHERAL NERVES, physiology/ REVIEW/ SEMICONDUCTORS/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TELENCEPHALON, physiology/ TRANSDUCERS

. Rosten M: Gardner's syndrome: report of a case.
Australas J Dermatol 13:124-6, Dec 72
AUTOSOME ABNORMALITIES/ *BONE NEOPLASMS/ CASE REPORT/ FEMALE/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ *OSTEOMALACIA, familial & genetic/ PEDIGREE/ *SKIN NEOPLASMS

. Roth B, Nevšímal O, Soumar J, et al: EEG studie hypertyreóz a hypotyreóz.
Cesk Neurol 36:284-93, Sep 73 **(Cze)**
ADULT/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE

. Roth J: Peptide hormone binding to receptors: a review of direct studies in vitro.
Metabolism 22:1059-73, Aug 73 (150 ref.)
ANGIOTENSIN, metabolism/ CATECHOLAMINES, metabolism/ CORTICOTROPIN, metabolism/ INSULIN, metabolism/ IODINE ISOTOPES/ METHODS/ *PITUITARY HORMONES, metabolism/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *RECEPTORS, HORMONE/ REVIEW/ THYROCALCITONIN, metabolism/ TRITIUM

. Roth M: The relative osteo-neural growth: a concept of normal and pathological (teratogenic) skeletal morphogenesis.
Gegenbaurs Morphol Jahrb 119:250-74, 1973
ADOLESCENCE/ ANIMAL EXPERIMENTS/ BONE AND BONES, embryology/ *BONE DEVELOPMENT/ BONE DISEASES, DEVELOPMENTAL, embryology/ DOGS/ FETUS, growth & development/ GANGLIA, SPINAL, embryology/ HAND, growth & development/ HUMAN/ KYPHOSIS, embryology/ *PERIPHERAL NERVES, growth & development/ SKULL, embryology/ SPINAL CORD, embryology/ SPINAL CORD, growth & development/ SPINAL NERVES, embryology/ SPINE, embryology/ SPINE, growth & development/ THORAX, growth & development

. Rothenbuchner G, Loos U, Kiessling WR, et al: The influence of total starvation on the pituitary-thyroid-axis in obese individuals.
Acta Endocrinol [Suppl] (Kbh) 173:144, 1973
FEMALE/ HUMAN/ MALE/ OBESITY, blood/ *OBESITY, physiopathology/ OBESITY, therapy/ *PITUITARY GLAND, physiopathology/ STARVATION, blood/ *STARVATION, physiopathology/ *THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

3586. Rothschild MA, Oratz M, Schreiber SS: Albumin metabolism. Prog Liver Dis 4:19-29, 1972 (54 ref.)
*ALBUMINS, biosynthesis/ ALBUMINS, metabolism/ ALCOHOL, ETHYL, pharmacodynamics/ AMINO ACIDS, metabolism/ ASCITES, metabolism/ BIOLOGICAL TRANSPORT/ ENDOPLASMIC RETICULUM, physiology/ EXTRACELLULAR SPACE, physiology/ HORMONES, physiology/ HUMAN/ LIVER, drug effects/ *LIVER, metabolism/ LIVER CIRRHOSIS, metabolism/ NUTRITION/ NUTRITION DISORDERS, metabolism/ OSMOTIC PRESSURE/ RADIOISOTOPES/ REVIEW/ RNA, MESSENGER, physiology/ RNA, RIBOSOMAL, physiology/ RNA, TRANSFER, physiology/ SERUM ALBUMIN, analysis/ SERUM ALBUMIN, metabolism/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ TRYPTOPHAN, pharmacodynamics

3587. Roubin M, Grouchy J de, Josso N, et al: Mosaique 45,X-46,XY-47,XYY chez un sujet atteint d'un syndrome de Turner.
Ann Genet (Paris) 16:123-5, Jun 73 **(Fre)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ *MOSAICISM/ *TURNER'S SYNDROME

3588. Round JM: Plasma calcium, magnesium, phosphorus, and alkaline phosphatase levels in normal British schoolchildren. Br Med J 3:137-40, 21 Jul 73
ADOLESCENCE/ AGE FACTORS/ *ALKALINE PHOSPHATASE, blood/ BODY WEIGHT/ BONE AND BONES, enzymology/ *CALCIUM, blood/ CHILD/ FEMALE/ GREAT BRITAIN/ HUMAN/ ISOENZYMES, blood/ LIVER, enzymology/ *MAGNESIUM, blood/ MALE/ PHOSPHATES, blood/ *PHOSPHORUS, blood/ SCHOOL HEALTH/ SEX FACTORS

3589. Rouse BT, Wagner H: The in vivo activity of in vitro immunized mouse thymocytes. 3. Fate of in vitro immunized thymocytes.
Transplantation 16:161-70, Sep 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BONE MARROW CELLS/ CELL MOVEMENT/ CELLS, CULTURED/ CHROMIUM ISOTOPES/ CORTISONE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ LIVER, cytology/ LYMPH NODES, cytology/ *LYMPHOCYTES, immunology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ RADIATION CHIMERA/ SARCOMA, EXPERIMENTAL, immunology/ SARCOMA, MAST CELL, immunology/ SPLEEN, cytology/ THORACIC DUCT, cytology/ *THYMUS GLAND, cytology/ TRITIUM/ URIDINE, metabolism

3590. Roux JP, Chibon P: Relation entre la métamorphose et l'épaisseur de la couche d'émail sur les dents des Amphibiens Prodèles.
C R Acad Sci [D] (Paris) 276:1613-5, 5 Mar 73 **(Fre)**
AMPHIBIA/ ANIMAL EXPERIMENTS/ DENTAL ENAMEL, anatomy & histology/ *DENTAL ENAMEL, embryology/ HYPOPHYSECTOMY/ *METAMORPHOSIS, BIOLOGICAL/ MORPHOGENESIS/ THYROID HORMONES, physiology/ THYROXINE, physiology

3591. Rowe FA, Edwards DA: Olfactory bulb removal: influences on the mating behavior of male mice.
Physiol Behav 8:37-41, Jan 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ COITUS/ EJACULATION/ *LATERALITY/ *LIMBIC SYSTEM, physiology/ MALE/ MICE/ OLFACTORY BULB, physiology/ ORGAN WEIGHT/ PROPIONATES/ SEMINAL VESICLES, anatomy & histology/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *SMELL/ SPECIES SPECIFICITY/ TESTIS, anatomy & histology/ TESTOSTERONE,

administration & dosage/ TESTOSTERONE, pharmacodynamics

3592. **Rowe PH, Cook IF, Dean PD:** Oestrone specific antisera raised against oestrone-6-(O-carboxymethyl) oxime-bovine serum albumin.
Steroids Lipids Res 4:24-9, 1973
ANIMAL EXPERIMENTS/ ANTIBODIES/ *ANTIBODY FORMATION/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ *ESTRANES/ ESTRONE/ HYDROXYSTEROIDS/ KETOSTEROIDS/ MALE/ NUCLEAR MAGNETIC RESONANCE/ OXIMES/ RABBITS, immunology/ *SERUM ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM

3593. **Roy S, Srivastava RN, Gupta PC, et al:** Ultrastructure of peripheral nerve in Cockayne's syndrome.
Acta Neuropathol (Berl) 24:345-9, 1973
*ABNORMALITIES, MULTIPLE, pathology/ AXONS/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 6-12/ *DWARFISM, pathology/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ MYELIN SHEATH/ *PERIPHERAL NERVES, pathology/ SCHWANN CELLS/ SURAL NERVE, pathology/ *TRISOMY

3594. **Rozovskii IS:** Diagnostika i terapiia privychnogo vykidysha, sviazannogo v narusheniem funktsii kory nadpochechnikov.
Akush Ginekol (Mosk) 48:18-23, Sep 72 **(Rus)**
*ABORTION, HABITUAL, etiology/ *ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ ADRENAL GLAND HYPERFUNCTION, therapy/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY

3595. **Rubens R, Stitch SR:** Intermediates in the biosynthesis of oestrogen by the hamster adrenal.
J Endocrinol 58:x, Jul 73
*ADRENAL GLANDS, metabolism/ ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ DEHYDROEPIANDROSTERONE, metabolism/ *ESTROGENS, biosynthesis/ HAMSTERS

3596. **Rubens-Duval A, Kaplan G:** Pathologie iatrogène de la hanche. Rev Infirm 23:297-9, Apr 73 **(Fre)**
ADRENAL CORTEX HORMONES, adverse effects/ FEMUR HEAD NECROSIS, chemically induced/ IATROGENIC DISEASE/ OSTEORADIONECROSIS/ SPECIAL LIST NURSING

3597. **Rubenstein HA, Butler VP Jr, Werner SC:** Progressive decrease in serum triiodothyronine concentrations with human aging: radioimmunoassay following extraction of serum.
J Clin Endocrinol Metab 37:247-53, Aug 73
ADOLESCENCE/ ADULT/ AGED/ *AGING/ ALCOHOL, ETHYL/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, blood

3598. **Rubin BL:** K voprosu o krovotecheniiakh v posledovem i rannem poslerodovom periodakh v odnom iz raionov srednegor'ia Kirgizii.
Sov Zdravookhr Kirg 3:51-4, May-Jun 72 **(Rus)**
ADULT/ *ALTITUDE/ CLIMATE/ ENVIRONMENTAL EXPOSURE/ FEMALE/ *HEMORRHAGE, POSTPARTUM, etiology/ HEMORRHAGE, POSTPARTUM, prevention & control/ HUMAN/ MIDDLE AGE/ PLACENTA DISORDERS, complications/ PREGNANCY/ PUERPERAL DISORDERS, prevention & control

3599. **Rubin RP, Jaanus SD, Carchman RA, et al:** Reversible inhibition of ACTH-induced corticosteroid release by cycloheximide: evidence for an unidentified cellula messenger. Endocrinology 93:575-80, Sep 73
ACETIC ACIDS, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CATS/ CHLORAMPHENICOL, pharmacodynamics/ *CORTICOTROPIN, antagonists & inhibitors/ *CYCLOHEXIMIDE, pharmacodynamics/ GLYCOLS, pharmacodynamics/ *11-HYDROXYCORTICOSTEROIDS, secretion/ PUROMYCIN, pharmacodynamics

3600. **Rubin RT, Gouin PR, Kales A, et al:** Lutenizin hormone, follicle stimulating hormone, and growt hormone secretion in normal adult men during slee and dreaming. Psychosom Med 35:309-21, Jul-Aug 7
ADULT/ CIRCADIAN RHYTHM/ DREAMS/ ELECTROENCEPHALOGRAPHY/ *FSH, secretion/ HUMAN/ *LH, secretion/ MALE/ PITUITARY GLAND, physiology/ *SLEEP/ SLEEP STAGES/ *SOMATOTROPIN, secretion WAKEFULNESS

3601. **Rubinowitz MJ:** Practical aspects of migraine.
Rocky Mt Med J 70:37-41, Jun 73 (12 ref.)
ANALGESICS AND ANTIPYRETICS, therapeutic use/ CRYOGENIC SURGERY/ DILATATION/ ERGOTAMINE, administration & dosage/ ERGOTAMINE, adverse effects/ ERGOTAMINE, therapeutic use/ FEMALE/ HUMAN/ HYPOGLYCEMIA, complications/ METHYSERGIDE, therapeutic use/ *MIGRAINE/ MIGRAINE, classification/ MIGRAINE, diagnosis/ MIGRAINE, drug therapy/ MIGRAINE, etiology/ MIGRAINE, familial & genetic/ MIGRAINE, surgery/ NARCOTICS, therapeutic use/ PROGNOSIS/ PROPRANOLOL, therapeutic use/ REVIEW/ SEROTONIN, adverse effects/ SUPPOSITORIES, therapeutic use/ TYRAMINE, adverse effects

3602. **Rubinstein HM, Shah DM:** Pseudogout.
Semin Arthritis Rheum 2:259-80, 1972-73 (85 re
ACROMEGALY, complications/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ ARTHRITIS, RHEUMATOID, complications/ BIREFRINGENCE/ CALCIUM, analysis/ CALCIUM PHOSPHATES, metabolism/ CARTILAGE, ARTICULAR, pathology/ *CHONDROCALCINOSIS/ CHONDROCALCINOSIS, diagnosis/ CHONDROCALCINOSIS, enzymology/ CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, pathology/ CHONDROCALCINOSIS, radiography/ CRYSTALLIZATION/ GOUT, complications/ HEMOCHROMATOSIS, complications/ HEPATOLENTICULAR DEGENERATION, complications/ HUMAN/ HYPERCALCEMIA, complications/ HYPOPHOSPHATASIA, complications/ JOINTS, injuries/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications OCHRONOSIS, complications/ PYROPHOSPHATES, blood/ PYROPHOSPHATES, metabolism/ PYROPHOSPHATES, urine/ REVIEW/ SYNOVIAL FLUID, analysis

3603. **Rubright WC, Terman SA, Yannone ME:** A comparati study of in vitro 3H-17B estradiol binding in gingi skeletal muscle and uterus of ovariectomized rabbi
J Periodont Res 8:304-13, 1973
ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ COMPARATIVE STUDY/ *ESTRADIOL, metabolism/ *GINGIVA, metabolism/ IN VITRO/ *MUSCLES, metabolism/ OVARY/ RABBITS/ *TRITIUM, metabolism/ *UTERUS, metabolism

3604. **Rudavsky AZ, Leonidas JC, Abramson AL:** Lu scanning for the detection of endobronchial forei bodies in infants and children. Clinical and experimental studies. Radiology 108:629-33, Sep
ANIMAL EXPERIMENTS/ *BRONCHI/ BRONCHOGRAPHY/ BRONCHOSCOPY/

CATHETERIZATION/ CHILD, PRESCHOOL/ DOGS/ FEMALE/ FEMORAL ARTERY/ *FOREIGN BODIES, diagnosis/ FOREIGN BODIES, radiography/ FOREIGN BODIES, therapy/ HEART CATHETERIZATION/ HUMAN/ INFANT/ IODINE, pharmacodynamics/ *LUNG/ LUNG, radiography/ MALE/ PULMONARY ARTERY, radiography/ *RADIOISOTOPE SCANNING/ SERUM ALBUMIN, RADIO-IODINATED/ THYROID GLAND, drug effects/ TIME FACTORS

5. **Rudkin GT**: Replication in polytene chromosomes. Results Probl Cell Differ 4:59-85, 1972 (151 ref.)
ANIMAL EXPERIMENTS/ BASE SEQUENCE/ CELL NUCLEUS/ CHROMATIDS/ CHROMATIN/ CHROMOSOME MAPPING/ *CHROMOSOMES/ DIPTERA/ *DNA, biosynthesis/ DNA REPLICATION/ DROSOPHILA MELANOGASTER/ GENE FREQUENCY/ HAPLOIDY/ MODELS, BIOLOGICAL/ PROTEINS, biosynthesis/ REVIEW/ RNA, biosynthesis/ SALIVARY GLANDS, cytology/ SEX CHROMOSOMES/ TRANSCRIPTION, GENETIC

6. **Ruhmann-Wennhold A, Nelson DH**: Corticosteroidogenesis and its relation to ACTH dependence of mitochondrial components. Endocrinology 93:977-82, Oct 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ *CYTOCHROME P-450, metabolism/ FEMALE/ HALF-LIFE/ HYPOPHYSECTOMY/ MALE/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ PITUITARY GLAND, metabolism/ *PROTEINS, metabolism/ RATS/ TIME FACTORS

7. **Ruiz Moreno JA, Rubio Lotvin B, Bollo Arista R**: Resultado del uso de una mezcla estrógeno-progestágeno a dósis bajas, como anticonceptivo. Communicación preliminar. Ginecol Obstet Mex 34:35-42, Jul 73 (Spa)
*CONTRACEPTIVES, ORAL/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, adverse effects/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *NORETHINDRONE, administration & dosage/ NORETHINDRONE, adverse effects/ PREGNANCY

8. **Runnebaum B, Heep J, Geiger W, et al**: Effect of alpha-MSH on plasma LH, progesterone and cortisol during the luteal phase of the menstrual cycle. Acta Endocrinol [Suppl] (Kbh) 173:41, 1973
FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ *LH, blood/ MENSTRUATION/ *MSH, pharmacodynamics/ OVULATION/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ TIME FACTORS

9. **Runnebaum B, Runnebaum H, Stöber I, et al**: Progesterone, 20alpha-dihydroprogesterone, 20beta-dihydroprogesterone and pregnanediol in different human fetal tissues. Acta Endocrinol [Suppl] (Kbh) 173:48, 1973
ADRENAL GLANDS, analysis/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *FETUS, analysis/ HUMAN/ INTESTINES, analysis/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MYOCARDIUM, analysis/ PREGNANCY/ *PREGNANEDIOL, analysis/ *PREGNANES, analysis/ *PROGESTERONE, analysis/ RADIOIMMUNOASSAY

10. **Ruoff HJ, Sewing KF**: Cyclic 3',5'-adenosine monophosphate in the rat gastric mucosa after starvation, feeding, and pentagastrin. Scand J Gastroenterol 8:241-4, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DIET/ FEMALE/ *GASTRIC MUCOSA, analysis/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, metabolism/ PENTAGASTRIN, pharmacodynamics/ RATS/ STARVATION/ STIMULATION, CHEMICAL

3611. **Ruokonen A, Vihko R, Niemi M**: Steroid metabolism in testis tissue. Concentrations of testosterone, pregnenolone and 5-androst-16-en-3-ol in normal and cryptorchid rat testis, and in isolated interstitial and tubular tissue. FEBS Lett 31:321-3, 1 May 73
*ANDROSTENES, metabolism/ ANDROSTENOL, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ GEL FILTRATION/ MALE/ MASS SPECTRUM ANALYSIS/ *PREGNENOLONE, metabolism/ RATS/ SILICA/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism

3612. **Russell LD, Gardner PJ**: Ultrastructure of the pseudohermaphrodite rat testis. Z Zellforsch Mikrosk Anat 140:473-9, 16 Jul 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHROMATIN/ COLLAGEN/ CONNECTIVE TISSUE CELLS/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ FEMALE/ GOLGI APPARATUS/ LEYDIG CELLS/ LIPIDS/ LYSOSOMES/ MALE/ MAST CELLS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PINOCYTOSIS/ *PSEUDOHERMAPHRODITISM, pathology/ RATS/ RIBOSOMES/ SERTOLI CELLS/ STEROIDS, biosynthesis/ *TESTICULAR FEMINIZATION, pathology/ *TESTIS, pathology

3613. **Russell T, Pastan I**: Plasma membrane cyclic adenosine 3':5'-monophosphate phosphodiesterase of cultured cells and its modification after trypsin treatment of intact cells. J Biol Chem 248:5835-40, 25 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL NUCLEUS, enzymology/ CELLS, CULTURED/ CENTRIFUGATION/ CHICK EMBRYO/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DNA, biosynthesis/ FIBROBLASTS, drug effects/ *FIBROBLASTS, enzymology/ FIBROBLASTS, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *PHOSPHODIESTERASES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYMIDINE, metabolism/ TRITIUM/ TRYPSIN, pharmacodynamics

3614. **Rutkowski MM, Cohen SN, Doyle EF**: Drug therapy of heart disease in pediatric patients. II. The treatment of congestive heart failure in infants and children with digitalis preparations. Am Heart J 86:270-5, Aug 73
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADOLESCENCE/ ADULT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ CHILD/ CHILD, PRESCHOOL/ DIGITALIS, poisoning/ DIGITALIS, toxicity/ *DIGITALIS GLYCOSIDES, therapeutic use/ DIGOXIN, administration & dosage/ DIGOXIN, blood/ DIGOXIN, metabolism/ DIGOXIN, therapeutic use/ *HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, metabolism/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, drug therapy/ KIDNEY DISEASES, metabolism/ MYOCARDIUM, metabolism/ OUABAIN, pharmacodynamics/ SODIUM, pharmacodynamics/ TRITIUM

3615. **Rutter WJ, Pictet RL, Morris PW**: Toward molecular mechanisms of developmental processes. Annu Rev Biochem 42:601-46, 1973 (379 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BROMODEOXYURIDINE, pharmacodynamics/

CELL AGGREGATION/ *CELL DIFFERENTIATION/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION/ CELL MEMBRANE/ CHROMOSOMES/ DNA, biosynthesis/ DNA REPLICATION/ *EMBRYO, growth & development/ ERYTHROPOIETIN/ EXTRACHROMOSOMAL INHERITANCE/ GENES, STRUCTURAL/ GROWTH SUBSTANCES/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HORMONES/ MICROTUBULES/ NERVE GROWTH FACTOR/ PLANT AGGLUTININS/ REVIEW/ THROMBOPOIETIN/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC

3616. **Ryan GB, Cliff WJ, Gabbiani G, et al:** Myofibroblasts in an avascular fibrous tissue.
Lab Invest 29:197-206, Aug 73
ADOLESCENCE/ ANIMAL EXPERIMENTS/ CYTOPLASM/ FEMALE/ *FIBROBLASTS/ FIBROBLASTS, drug effects/ FLUORESCENT ANTIBODY TECHNIC/ GRANULATION TISSUE, cytology/ HUMAN/ IGG/ MALE/ MICROSCOPY, ELECTRON/ *MYOFIBRILS/ MYOFIBRILS, drug effects/ PAPAVERINE, pharmacodynamics/ PERITONEAL CAVITY/ RATS/ SEROTONIN, pharmacodynamics/ TIME FACTORS

3617. **Ryan NT, Richert DA, Westerfeld WW:** Inhibition of p-chlorophenoxyisobutyrate by 1-methyl-2-mercaptoimidazole and related compounds. Biochem Pharmacol 22:1397-404, 15 Jun 73
ANIMAL EXPERIMENTS/ ARSENIC, pharmacodynamics/ *CLOFIBRATE, antagonists & inhibitors/ ENZYME INDUCTION, drug effects/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ IMIDAZOLES, pharmacodynamics/ INTESTINE, SMALL, metabolism/ LIVER, enzymology/ MALATE DEHYDROGENASE, metabolism/ MALE/ *METHIMAZOLE, pharmacodynamics/ MITOCHONDRIA, LIVER, enzymology/ ORGAN WEIGHT/ OXIDATION-REDUCTION/ PALMITIC ACID, metabolism/ RATS/ STOMACH, metabolism/ SULFHYDRYL COMPOUNDS, pharmacodynamics/ THYROID HORMONES, pharmacodynamics/ TIME FACTORS/ TRIGLYCERIDES, blood/ TRITIUM

3618. **Rybakowa M, Halikowski B, Pieti M, et al:** Wpływ adrenaliny na krzywą glikemii u dzieci z niedomogą tarczycy.
Pediatr Pol 48:683-8, Jun 73 **(Pol)**
ADOLESCENCE/ AGE FACTORS/ *BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, congenital/ *HYPOTHYROIDISM, metabolism/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ MALE

3619. **Ryckewaert A, Lemaire V:** Les manifestations du syndrome hypercalcémique.
Sem Hop Paris 49:1731-8, 20 May 73 **(Fre)**
APPETITE DISORDERS, etiology/ BONE NEOPLASMS, complications/ COMA, etiology/ CONSTIPATION, etiology/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, etiology/ KIDNEY FAILURE, CHRONIC, etiology/ NAUSEA, etiology/ THIRST/ VOMITING, etiology

S

3620. **Saavedra JM, Brownstein M, Axelrod J:** A specific and sensitive enzymatic-isotopic microassay for serotonin in tissues. J Pharmacol Exp Ther 186:508-15, Sep 73
ACETYLTRANSFERASES, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ FLUOROMETRY/ HYDROGEN-ION CONCENTRATION/ LIVER, enzymology/ LUNG, analysis/ MALE/ METHODS/ METHYLTRANSFERASES, isolation & purification/ MICROCHEMISTRY/ PINEAL BODY, analysis/ PINEAL BODY, enzymology/ RATS/ *SEROTONIN, analysis/ TRITIUM

3621. **Saba P, Luisi M, Salvadorini F, et al:** Alterazioni ormonali nella omosessualità maschile. Indagini preliminari.
Folia Endocrinol (Roma) 26:126-33, Apr 73 **(Ita)**
CENTRAL NERVOUS SYSTEM DISEASES, complications/ ENGLISH ABSTRACT/ *HOMOSEXUALITY, blood/ HOMOSEXUALITY, etiology/ HUMAN/ MALE/ MENTAL DISORDERS, etiology/ *TESTOSTERONE, blood

3622. **Sabando P, Miravet L, Dorfman H, et al:** La osteopatía de la hemocromatósis. Estudio clínico y biológico
Rev Clin Esp 129:545-50, 30 Jun 73 **(Spa)**
CALCIUM, metabolism/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ *HEMOCHROMATOSIS, complications/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ PHOSPHORUS, metabolism

3623. **Sachs BD, Pollak EK, Krieger MS, et al:** Sexual behavior: normal male patterning in androgenized female rats. Science 181:770-2, 24 Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ COITUS/ EJACULATION, drug effects/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

3624. **Sachs C:** Development of the blood-brain barrier fo 6-hydroxydopamine. J Neurochem 20:1753-60, Jun 7
ANIMAL EXPERIMENTS/ *BLOOD-BRAIN BARRIER/ CEREBRAL CORTEX, drug effects CEREBRAL CORTEX, growth & development/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DOPAMINE, metabolism/ HISTOCYTOCHEMISTRY/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, growth & development/ HYPOTHALAMUS, metabolism/ MICROSCOPY, FLUORESCENCE/ NEURONS, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SPINAL CORD, drug effects/ SPINAL CORD, growth & development/ SPINAL CORD, metabolism/ TRITIUM

3625. **Sachse KH:** Die Brunstinduktion beim Schaf mi Gonadotropinen.
Arch Exp Veterinaermed 26:1013-8, Dec 72 **(Ger)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ PREGNANCY MULTIPLE/ *SHEEP/ TWINS

3626. **Sadowski B:** Intracranial self-stimulation patterns i dogs. Physiol Behav 8:189-93, Feb 72
ANIMAL EXPERIMENTS/ *BRAIN, physiology BRAIN MAPPING/ *CONDITIONING, OPERANT/ CONVULSIONS/ DEFECATION/ *DOGS, physiology/ EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ EXTINCTION (PSYCHOLOGY)/ HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ LOCOMOTION/ MALE/ PENIS, physiology/ REWARD/ SALIVATION/ *SELF STIMULATION/ URINATION

3627. **Sadowski B, Hartmann G, Vermes I:** Effect o self-stimulation on adrenocortical activity in the ra
Acta Physiol Acad Sci Hung 42:157-62, 1972
ADRENAL CORTEX HORMONES, biosynthesis ADRENAL GLANDS, drug effects/ *ADRENA GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, biosynthesis/ FEMALE/ HISTAMINE, pharmacodynamics/ MALE/ RATS/ *SELF STIMULATION

328. **Saedi S, Nyhus LM, Gabrys BF, et al:** Pharmacological prevention of esophageal stricture: an experimental study in the cat. Am Surg 39:465-9, Aug 73
*AMINOPROPIONITRILE, therapeutic use/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BURNS, CHEMICAL, complications/ CATS/ ESOPHAGEAL STENOSIS, etiology/ *ESOPHAGEAL STENOSIS, prevention & control/ ESOPHAGEAL STENOSIS, radiography/ ESOPHAGOSCOPY/ ESOPHAGUS, radiography/ HYDROCORTISONE, therapeutic use

329. **Saeger W:** Fine structure of corticotrophic cells and of pituitary adenomas in Cushing's syndrome. Acta Endocrinol [Suppl] (Kbh) 173:28, 1973
*ADENOMA, pathology/ CORTICOTROPIN/ *CUSHING'S SYNDROME, pathology/ HUMAN/ HYPOPHYSECTOMY/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, pathology

330. **Safar M, Milliez P:** Apport de l'exploration hémodynamique au diagnostic et au traitement de l'hypertension artérielle.
Rev Prat 23:681-2 passim, 11 Feb 73 **(Fre)**
ANGIOTENSIN/ ANTIHYPERTENSIVE AGENTS/ BLOOD VOLUME DETERMINATION/ BODY SURFACE AREA/ CARDIAC OUTPUT/ HUMAN/ HYPERTENSION, diagnosis/ HYPERTENSION, therapy/ POSTURE/ RENIN/ SPECIAL LIST FOREIGN

331. **Sagel J, Epstein S, Jackson WP:** Relation between the 6- and 24-hour thyroidal 131-I uptake and the control of thyrotoxicosis by radioactive 131-I therapy.
S Afr Med J 47:1356-8, 4 Aug 73
HYPERTHYROIDISM, metabolism/ *HYPERTHYROIDISM, radiotherapy/ *IODINE, metabolism/ IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, metabolism/ *IODINE ISOTOPES, therapeutic use/ *RADIOTHERAPY DOSAGE/ RETROSPECTIVE STUDIES/ *THYROID GLAND, metabolism/ TIME FACTORS

332. **Saha AK:** Chromosomal studies of the Indian coleopterans (Indian beetles).
Cytologia (Tokyo) 38:363-73, Jun 73
ANIMAL EXPERIMENTS/ *BEETLES, cytology/ CELL DIVISION/ *CHROMOSOMES/ INDIA/ KARYOTYPING/ MALE/ TESTIS, cytology

333. **Saha N, Banerjee B:** Xga blood group in Chinese, Malays and Indians in Singapore. Vox Sang 24:542-4, 1973
*BLOOD GROUPS/ CHINA/ FEMALE/ *GENE FREQUENCY/ HUMAN/ INDIA/ *ISOANTIGENS/ MALAYSIA/ MALE/ *SEX CHROMOSOMES/ SINGAPORE

334. **Said S, Johansson ED, Gemzell C:** Serum oestrogens and progesterone after normal delivery.
J Obstet Gynaecol Br Commonw 80:542-5, Jun 73
ADULT/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ LACTATION/ MENSTRUATION/ PREGNANCY/ *PROGESTERONE, blood/ *PUERPERIUM/ RADIOIMMUNOASSAY/ WEANING

335. **Saidapur SK, Nadkarni VB:**
Delta5-3beta-hydroxysteroid dehydrogenase & glucose-6-phosphate dehydrogenase in testis of toad, Bufo melanostictus (Schneider).
Indian J Exp Biol 10:425-7, Nov 72
ANIMAL EXPERIMENTS/ *BUFO, metabolism/ *GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ LEYDIG CELLS, enzymology/ LIPOAMIDE DEHYDROGENASE, analysis/ MALE/ *TESTIS, enzymology

336. **Saini RK, Caputi AP, Marmo E:** Cardiovascular profile of BR 750 (2,6-dichlorobenzylideneaminoguanidine acetate). Farmaco [Prat] 28:359-87, Jul 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRAIN, metabolism/ *CARDIOVASCULAR SYSTEM, drug effects/ CATECHOLAMINES, metabolism/ CATS/ DOGS/ GUANETHIDINE, pharmacodynamics/ *GUANIDINES, pharmacodynamics/ HEART RATE, drug effects/ HYPERTENSION, drug therapy/ IMINES, pharmacodynamics/ MALE/ METHYLDOPA, pharmacodynamics/ MYOCARDIUM, metabolism/ RATS/ RESPIRATION, drug effects/ VAGOTOMY

3637. **ST. John LE Jr, Lisk DJ:** Metabolic studies with chloropropylate acaricide in the dairy cow.
J Agric Food Chem 21:644-6, Jul-Aug 73
ANIMAL EXPERIMENTS/ *BENZILATES, metabolism/ BENZILATES, urine/ CATTLE/ CHLORINE, metabolism/ CHLORINE, urine/ DRUG STABILITY/ FECES, analysis/ FEMALE/ GASTRIC JUICE, metabolism/ HYDROLYSIS/ *INSECTICIDES, ORGANOCHLORINE, metabolism/ LACTATION/ LIVER, metabolism/ MILK, metabolism/ MITES/ PREGNANCY/ PROPIONATES, metabolism/ PROPIONATES, urine/ RUMEN, metabolism

3638. **Saito K, Kumasaka T, Nishi N, et al:** [LH-RH-induced gonadotropin release and its clinical study]
Clin Endocrinol (Tokyo) 21:373-8, Apr 73 **(Jap)**
AMENORRHEA, diagnosis/ ANIMAL EXPERIMENTS/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ LH, blood/ LH, secretion/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS

3639. **Sakalas R, David RB, Vines FS, et al:** Pituitary apoplexy in a child. Case report. J Neurosurg 39:519-22, Oct 73
*ADENOMA, EOSINOPHILIC, complications/ ADENOMA, EOSINOPHILIC, radiography/ ADENOMA, EOSINOPHILIC, radiotherapy/ ADENOMA, EOSINOPHILIC, surgery/ BLINDNESS, etiology/ *CAROTID ARTERY DISEASES, etiology/ CAROTID ARTERY DISEASES, radiography/ CEREBRAL ANGIOGRAPHY/ *CEREBRAL HEMORRHAGE, etiology/ CHILD/ GIGANTISM, etiology/ HUMAN/ MALE/ PITUITARY GLAND, blood supply/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery

3640. **Sakoda M, Mori H, Otsuki M, et al:** [Clinical study of TRF test. 6. Hypothalamic hypothyroidism]
Folia Endocrinol Jap 49:750-60, 20 May 73 **(Jap)**
ACROMEGALY, complications/ ADENOMA, CHROMOPHOBE, complications/ ADULT/ AGED/ CRANIOPHARYNGIOMA, complications/ DIABETES INSIPIDUS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOPITUITARISM, complications/ *HYPOTHALAMUS/ *HYPOTHYROIDISM, etiology/ MALE/ MENINGIOMA, complications/ MIDDLE AGE/ PINEALOMA, complications/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3641. **Sakoda M, Otsuki M, Tateiwa M, et al:** [Clinical study of TRF test. 7. TRF test response in hypothalamic pituitary disorders]
Folia Endocrinol Jap 49:761-8, 20 May 73 **(Jap)**
ACROMEGALY, complications/ ADENOMA, CHROMOPHOBE, complications/ CRANIOPHARYNGIOMA, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHYROIDISM, etiology/ MENINGIOMA, complications/ PINEALOMA, complications/ *PITUITARY DISEASES, etiology/ PITUITARY GLAND FUNCTION TESTS/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3642. **Sakota M, Otsuki M, Mori S, et al:** [Clinical cases with

interesting responses in TRF tests]
Clin Endocrinol (Tokyo) 21:431-7, Apr 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ *PITUITARY DISEASES, diagnosis/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3643. **Saksena SK, Harper MJ:** Level of F prostaglandin (PGF) in peripheral plasma and uterine tissue of cyclic rats. Prostaglandins 2:511-7, Dec 72
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ RATS/ RATS, INBRED STRAINS/ TRITIUM/ *UTERUS, analysis

3644. **Saksena SK, Lau IF:** Effect of exogenous estradiol and progesterone on the uterine tissue levels of prostaglandin F2 (PGF2) in ovariectomized mice. Prostaglandins 3:317-22, Mar 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, metabolism

3645. **Saksena SK, el-Safoury S, Bartke A:** Prostaglandins E2 and F2 decrease plasma testosterone levels in male rats. Prostaglandins 4:235-42, Aug 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ LH, blood/ MALE/ ORGAN WEIGHT/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SEMINAL VESICLES, drug effects/ TESTIS, drug effects/ *TESTOSTERONE, blood

3646. **Saksena SK, Shaikh SA, Shaikh AA:** Uterine and peripheral plasma F-prostaglandins correlated with peripheral progesterone in cyclic rats. Prostaglandins 4:243-9, Aug 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *ESTRUS/ FEMALE/ *PROGESTERONE, blood/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ RATS/ *UTERUS, analysis

3647. **Sakurada T, Yamaguchi T, Fukuchi F, et al:** [Triiodothyronine]
Clin Endocrinol (Tokyo) 21:235-43, Mar 73 (Jap)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ HUMAN/ IODINE ISOTOPES/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

3648. **Sakurada T, Yamamoto M, Yamaguchi T, et al:** [Inorganic iodide therapy for T3-thyrotoxicosis]
Folia Endocrinol Jap 49:876-81, 20 Jun 73 (Jap)
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, drug therapy/ *IODINE, therapeutic use/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3649. **Salamonsen LA, Jonas HA, Burger HG, et al:** A heterologous radioimmunoassay for follicle stimulating hormone: application to measurement of FSH in the ovine estrous cycle, and in several other species including man. Endocrinology 93:610-8, Sep 73
ANIMAL EXPERIMENTS/ CATTLE/ *ESTRUS/ FEMALE/ FSH/ *FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ LH, pharmacodynamics/ MALE/ PROLACTIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, pharmacodynamics/ SHEEP/ SOMATOTROPIN, pharmacodynamics/ THYROTROPIN, pharmacodynamics

3650. **Saldana L, Schulman H, Yang WH:** On the mechanism of midtrimester abortions induced by prostaglandin "impact". Prostaglandins 3:847-58, Jun 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ BODY HEIGHT/ BODY WEIGHT/ CURETTAGE/ FEMALE/ FETUS/ GESTATIONAL AGE/ HUMAN/ INJECTIONS/ MUSCLE CONTRACTION, drug effects/ NAUSEA, chemically induced/ OXYTOCIN/ PARITY/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS/ UTERUS, drug effects/ VOMITING, chemically induced

3651. **Saleh M:** The steroidal constituents of Solanum arundo
Planta Med 23:377-8, Jun 73
*ALKALOIDS, analysis/ LIPIDS, analysis/ *PLANTS, analysis/ SOLANINE, analysis/ *STEROIDS, analysis

3652. **Salehi E:** Langanhaltende Paralyse nach Pancuroniumbromid.
Z Prakt Anaesth 7:207-11, Aug 72 (Ger
*ANDROSTANES, adverse effects/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ *CURARE-LIKE AGENTS, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ PANCURONIUM, adverse effects/ PANCURONIUM, antagonists & inhibitors/ *PARALYSIS, chemically induced/ RESPIRATION, drug effects/ RESPIRATION, ARTIFICIAL/ TIME FACTORS

3653. **Salmon GK, West GB:** Variation in the response of rat to chemical and thermal injury.
Br J Pharmacol 47:625P-626P, Mar 73
ANIMAL EXPERIMENTS/ BRADYKININ, metabolism/ BURNS, complications/ BURNS, metabolism/ *BURNS, physiopathology/ BURNS, CHEMICAL, complications/ BURNS, CHEMICAL, etiology/ BURNS, CHEMICAL, metabolism/ *BURNS, CHEMICAL, physiopathology/ DYES/ EDEMA, etiology/ HISTAMINE, metabolism/ INFLAMMATION/ KININS, metabolism/ RATS/ SEROTONIN, metabolism/ XYLENE

3654. **Salomón JB, Klein RE, Guzman MA, et al:** Efectos de l nutrición e infecciones sobre desarrollo óseo de niño en una área rural en Guatemala.
Arch Latinoam Nutr 22:417-49, Sep 72 (Spa
AGE DETERMINATION BY SKELETON/ AGE FACTORS/ *BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CHILD/ *CHILD NUTRITION/ CHILD, PRESCHOOL/ *COMMUNICABLE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ GUATEMALA/ HAND, growth & development/ HUMAN/ MALE/ *NUTRITION DISORDERS, complications/ RADIUS, growth & development/ RURAL POPULATION/ SEX FACTORS

3655. **Salomon MI:** Some aspects of chronic renal failure
J Am Geriatr Soc 21:154-8, Apr 73
ACIDOSIS/ CARDIOVASCULAR DISEASES/ DIAGNOSIS, DIFFERENTIAL/ GYNECOMASTIA, etiology/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KIDNEY, metabolism/ KIDNEY DISEASES, diagnosis/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY FAILURE, CHRONIC, diagnosis/ KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, etiology/ NEPHRONS, physiopathology/ NEUROLOGIC MANIFESTATIONS/ RENAL OSTEODYSTROPHY, physiopathology/ RESERPINE, therapeutic use/ SYNDROME/ WATER-ELECTROLYTE BALANCE

3656. **Salter AJ:** The toxicity profile of trimethoprim-sulphamethoxazole after four years o widespread use. Med J Aust 1:Suppl:70-6, 30 Jun 7
ABNORMALITIES, DRUG-INDUCED, etiology/ ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ *ANTI-INFECTIVE AGENTS,

adverse effects/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ DERMATITIS MEDICAMENTOSA, etiology/ DRUG COMBINATIONS/ FEMALE/ FOLIC ACID, metabolism/ *FOLIC ACID ANTAGONISTS, adverse effects/ GASTROINTESTINAL DISEASES, chemically induced/ HEMATOLOGIC DISEASES, chemically induced/ HUMAN/ INFANT/ INFANT, NEWBORN/ KIDNEY DISEASES, etiology/ LYMPHATIC DISEASES, chemically induced/ LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ MIDDLE AGE/ MONKEYS/ PREGNANCY/ *PYRIMIDINES, adverse effects/ RATS/ *SULFAMETHOXAZOLE, adverse effects/ SULFAMETHOXAZOLE, therapeutic use/ THYROID NEOPLASMS, chemically induced/ TRIMETHOPRIM, adverse effects/ TRIMETHOPRIM, pharmacodynamics/ TRIMETHOPRIM, therapeutic use

7. **Saluja PG, Hamilton JM, Gronow M:** Prolactin and breast cancer. Br J Cancer 28:82, Jul 73
ANIMAL EXPERIMENTS/ DOGS/ ESTRUS/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis

8. **Salvatierra O Jr, Kountz SL, Belzer FO:** Polycystic renal disease treated by renal transplantation. Surg Gynecol Obstet 137:431-4, Sep 73
ADULT/ AZATHIOPRINE, therapeutic use/ CADAVER/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HEMODIALYSIS/ HISTOCOMPATIBILITY/ HUMAN/ HYPERTENSION, RENAL/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ KIDNEY, POLYCYSTIC, radiography/ *KIDNEY, POLYCYSTIC, surgery/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ PREOPERATIVE CARE/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ UROGRAPHY

9. **Salyer WR, Keren D:** Oxalosis as a complication of chronic renal failure. Kidney Int 4:81-6, Jul 73
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENDOMYOCARDIAL FIBROSIS, pathology/ HEMODIALYSIS/ HUMAN/ INFANT/ KIDNEY, metabolism/ KIDNEY, pathology/ KIDNEY FAILURE, ACUTE, metabolism/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY TUBULES, pathology/ *METABOLIC DISEASES, etiology/ METABOLIC DISEASES, metabolism/ METABOLIC DISEASES, pathology/ MIDDLE AGE/ MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ *OXALATES, metabolism/ PERITONEAL DIALYSIS/ SPINE, pathology/ SPLENIC ARTERY, pathology/ UREMIA, complications

10. **Salzman EW, Weisenberger H:** Role of cyclic AMP in platelet function.
Adv Cyclic Nucleotide Res 1:231-47, 1972 (38 ref.)
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CELL AGGREGATION, drug effects/ COLLAGEN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ KAOLIN, pharmacodynamics/ KINETICS/ MODELS, BIOLOGICAL/ PHENTOLAMINE, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ PROPRANOLOL, pharmacodynamics/ PROTEIN KINASE, metabolism/ REVIEW/ TIME FACTORS/ TRITIUM

3661. **Samli MH, Lai MF:** Protein synthesis in the rat anterior pituitary. 3. The fate of total protein, prolactin and growth hormone labeled in an in vitro incubation.
Endocrinology 93:767-76, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ COLCHICINE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HALF-LIFE/ IN VITRO/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PROLACTIN, biosynthesis/ *PROLACTIN, metabolism/ PROTEINS, biosynthesis/ *PROTEINS, metabolism/ PUROMYCIN, pharmacodynamics/ RATS/ SOMATOTROPIN, biosynthesis/ *SOMATOTROPIN, metabolism/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

3662. **Samsonova ML, Lapin IP:** Antidepressants and liver tryptophan pyrrolase activity.
Biochem Pharmacol 22:1499-507, 15 Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMITRIPTYLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ATROPINE, pharmacodynamics/ BENACTYZINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ FLUOROMETRY/ HALOPERIDOL, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ HYDROXYSTEROIDS, blood/ IMIPRAMINE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PHENELZINE, pharmacodynamics/ RATS/ STRESS/ TIME FACTORS/ *TRYPTOPHAN OXYGENASE, metabolism

3663. **Samuels HH, Tsai JS, Cintron R:** Thyroid hormone action: a cell-culture system responsive to physiological concentrations of thyroid hormones.
Science 181:1253-6, 28 Sep 73
CELL DIVISION, drug effects/ CLONE CELLS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCOSE, metabolism/ PITUITARY NEOPLASMS/ RATS/ *THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

3664. **Sánchez-Franco F, Bernal Carrasco J, Riesco Almarza J, et al:** Estudio de un bocio congénito con hipotiroidismo.
Rev Clin Esp 129:393-8, 31 May 73 (Spa)
ADOLESCENCE/ GOITER, complications/ *GOITER, congenital/ HUMAN/ *HYPOTHYROIDISM, etiology/ MALE/ THYROID GLAND FUNCTION TESTS

3665. **Sánchez Martin JA:** Exploración funcional del eje TRH-TSH-tiroides Pruebas de reserva hipofisaria.
Rev Iber Endocrinol 20:269-87, May-Jun 73 (Spa)
ADULT/ AGED/ CARBIMAZOLE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ IODINE ISOTOPES/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY DISEASES, diagnosis/ *PITUITARY DISEASES, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ STIMULATION, CHEMICAL/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ TIME FACTORS

3666. **Sand T, Torjesen PA:** Dextran-coated charcoal used in the radioimmunoassay of human pituitary luteinizing hormone. Acta Endocrinol (Kbh) 73:444-54, Jul 73
ADSORPTION/ *CHARCOAL/ CROSS

REACTIONS/ *DEXTRAN/ FEMALE/ FSH/ GONADOTROPINS, CHORIONIC/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ THYROTROPIN/ TIME FACTORS

3667. **Sanderson JH, Delamore IW:** Changes in platelet thrombotic tendency during oral contraception. J Obstet Gynaecol Br Commonw 80:639-43, Jul 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD CELL COUNT/ BLOOD PLATELETS, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ FILTRATION/ HEMATOCRIT/ HUMAN/ *PLATELET ADHESIVENESS, drug effects/ PROGNOSIS/ THROMBOPHLEBITIS, diagnosis

3668. **Sandler B:** Anencephaly and ovulation stimulation. Lancet 2:379, 18 Aug 73
ADULT/ *ANENCEPHALUS, chemically induced/ *CLOMIPHENE, adverse effects/ CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *OVULATION, drug effects/ PREGNANCY

3669. **Sandomirskii BP:** Ostrye gastroduodenal'nye lazvy (obzor literatury. Klin Khir 12:53-8, Dec 72 **(Rus)**
ACUTE DISEASE/ ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, complications/ BURNS/ CATS/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, toxicity/ CORTISONE, toxicity/ DOGS/ *DUODENAL ULCER/ GASTRECTOMY, adverse effects/ HUMAN/ PEPTIC ULCER, complications/ PEPTIC ULCER, etiology/ PEPTIC ULCER, surgery/ PEPTIC ULCER HEMORRHAGE, etiology/ PEPTIC ULCER PERFORATION, etiology/ PREDNISOLONE, toxicity/ REVIEW/ SEPTICEMIA, complications/ STAPHYLOCOCCAL INFECTIONS, complications/ *STOMACH ULCER/ STRESS, complications

3670. **Sandor R:** Inhibition of human rhabdomyosarcoma-cell growth in agar by dibutyryl cyclic AMP. J Natl Cancer Inst 51:257-60, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGAR/ CELL DIVISION, drug effects/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CELLS, CULTURED/ HUMAN/ *RHABDOMYOSARCOMA

3671. **Sandow J:** Chemistry of releasing hormones. J Endocrinol 58:32-3, Aug 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CORTICOTROPIN RELEASING FACTOR, analysis/ FSH, secretion/ HUMAN/ HYPOTHALAMUS, analysis/ MOLECULAR WEIGHT/ MSH, secretion/ PEPTIDES, analysis/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PROLACTIN, secretion/ SOMATOTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, analysis

3672. **Sandow J, Hahn M:** Influence of steroid hormones on the response to LH-RH in the eye-ovary-transplant of the rabbit. Acta Endocrinol [Suppl] (Kbh) 173:82, 1973
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ EYE/ FEMALE/ LH/ *OVARY, drug effects/ OVARY, transplantation/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TRANSPLANTATION, AUTOLOGOUS

3673. **Sandow J, Robyn C:** Plasma prolactin levels in the male rat after pituitary injection of LH-RH. Acta Endocrinol [Suppl] (Kbh) 173:85, 1973
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *LH/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROLACTIN, blood/ PROLACTIN, metabolism/ RATS/ TIME FACTORS

3674. **Sandow J, Seeger R, Heptner W, et al:** Pituitary reserve capacity and pituitary responsiveness to LH-RH during the estrus cycle in sheep. Acta Endocrinol [Suppl] (Kbh) 173:84, 1973
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *LH/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ SHEEP/ TIME FACTORS

3675. **Sankaran MS, Prasad MR:** Prolonged effects of a single administration of clomiphene citrate on the cervix & vagina in rat during delayed implantation. Indian J Exp Biol 10:401-4, Nov 72
ANIMAL EXPERIMENTS/ *CERVIX UTERI, metabolism/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ ESTRADIOL, antagonists & inhibitors/ FEMALE/ GLYCOGEN, metabolism/ NEURAMINIC ACIDS, metabolism/ *NIDATION/ PROGESTERONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *VAGINA, metabolism

3676. **Sansom BF:** Mineral nutrition and production disease in dairy cows. Br Vet J 129:207-20, May-Jun 73 (17 ref.)
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ CALCIUM, metabolism/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, metabolism/ COPPER, metabolism/ FEMALE/ MAGNESIUM, metabolism/ MAGNESIUM DEFICIENCY, veterinary/ MANGANESE, metabolism/ METABOLIC CLEARANCE RATE/ *MINERALS, metabolism/ PLANT POISONING, veterinary/ POTASSIUM, metabolism/ REVIEW/ SODIUM, metabolism

3677. **Santen RJ, Bardin CW:** Episodic luteinizing hormone secretion in man. Pulse analysis, clinical interpretation, physiologic mechanisms. J Clin Invest 52:2617-28, Oct 73
ADULT/ AMENORRHEA, physiopathology/ ANOREXIA NERVOSA, physiopathology/ CHLORPROMAZINE, pharmacodynamics/ FEMALE/ FSH, blood/ FSH, secretion/ HALF-LIFE/ HIRSUTISM, physiopathology/ HUMAN/ HYDROCORTISONE, blood/ HYPOGONADISM, physiopathology/ HYPOTHALAMUS, physiopathology/ LH, blood/ LH, physiology/ *LH, secretion/ MALE/ MENSTRUATION/ PHENTOLAMINE, pharmacodynamics/ PITUITARY GLAND, physiopathology/ PITUITARY GLAND, secretion/ STEIN-LEVENTHAL SYNDROME, physiopathology/ TIME FACTORS

3678. **Santesson B, BOOK JA, Kjessler B:** The mortality of human XO embryos. J Reprod Fertil 34:51-5, Jul 73
*ABORTION, familial & genetic/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DNA, biosynthesis/ EMBRYO, analysis/ *EMBRYO, cytology/ FEMALE/ FETUS, cytology/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HUMAN/ MICE/ *SEX CHROMOSOME ABNORMALITIES/ SILVER/ THYMIDINE, metabolism/ TRITIUM

3679. **Santomé JA, Dellacha JM, Paladini AC, et al:** Primary structure of bovine growth hormone. Eur J Biochem 37:164-70, 1 Aug 73
AMINO ACID SEQUENCE/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, ION

EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ MALEATES/ OXIDATION-REDUCTION/ PEPSIN/ *PEPTIDES, analysis/ PITUITARY GLAND, analysis/ *SOMATOTROPIN, analysis/ TRYPSIN

0. **Sapag-Hagar M, Greenbaum AL:** Changes of the activities of adenyl cyclase and cAMP-phosphodiesterase and of the level of 3'5' cyclic adenosine monophosphate in rat mammary gland during pregnancy and lactation.
Biochem Biophys Res Commun 53:982-7, 6 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ ISOENZYMES, metabolism/ *LACTATION/ *MAMMAE, enzymology/ MAMMAE, metabolism/ *PHOSPHODIESTERASES, metabolism/ PREGNANCY/ RATS/ TIME FACTORS/ TRITIUM/ WEANING

1. **Sapirstein VS, Scott WN:** Cyclic AMP and sodium transport. Quantitative and temporal relationships in toad urinary bladder. J Clin Invest 52:2379-82, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLADDER, analysis/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ CULTURE MEDIA/ IN VITRO/ OXYTOCIN, pharmacodynamics/ *SODIUM, metabolism/ STIMULATION, CHEMICAL

2. **Saporta JA, Bleicher JE, Cegielski M, et al:** How to avoid injuries to the recurrent laryngeal nerve--a surgical pitfall. Nebr Med J 58:331-3, Sep 73
HUMAN/ LARYNGEAL NERVES, abnormalities/ LARYNGEAL NERVES, anatomy & histology/ *LARYNGEAL NERVES, injuries/ POSTOPERATIVE COMPLICATIONS, prevention & control/ *THYROIDECTOMY, adverse effects

3. **Sarai K:** [Biochemical approach to manic-depressive disorders]
Psychiatr Neurol Jap 75:291-9, May 73 (112 ref.) (Jap)
AMINES, metabolism/ AMINO ACIDS, metabolism/ BRAIN, metabolism/ BRAIN CHEMISTRY/ CATECHOLAMINES, metabolism/ CELL MEMBRANE PERMEABILITY/ ELECTROLYTES, metabolism/ HUMAN/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ *PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ REVIEW/ SEROTONIN, metabolism/ STRESS, metabolism/ TRYPTOPHAN, therapeutic use

4. **Sarai K:** [Male hormones]
Clin Endocrinol (Tokyo) 21:583-6, Jun 73 (24 ref.) (Jap)
ADOLESCENCE/ ANDROGENS, blood/ *ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ DEPRESSION, blood/ FEMALE/ HUMAN/ HYPOGONADISM/ IMPOTENCE/ KLINEFELTER'S SYNDROME, blood/ MALE/ MENOPAUSE/ MENTAL DISORDERS, blood/ PSYCHOLOGY/ PUBERTY/ REVIEW/ SCHIZOPHRENIA, blood/ STRESS, blood

5. **Sarembe B:** Eine neue östrogene Variante im oralen Kontrazeptivum Non-Ovlon.
Dtsch Gesundheitsw 28:223-7, 1973 (Ger)
ADULT/ BODY WEIGHT, drug effects/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, adverse effects/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MESTRANOL, adverse effects/ *MESTRANOL, pharmacodynamics/ MIDDLE AGE/ NORETHINDRONE, pharmacodynamics/ *OVULATION, drug effects/ THROMBOSIS, chemically induced

3686. **Sarkar PK, Moscona AA:** Glutamine synthetase induction in embryonic neural retina: immunochemical identification of polysomes involved in enzyme synthesis.
Proc Natl Acad Sci USA 70:1667-71, Jun 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBON ISOTOPES/ CELL FRACTIONATION/ CHICK EMBRYO/ EMBRYO/ ENZYME INDUCTION/ GLUTAMINE SYNTHETASE, analysis/ *GLUTAMINE SYNTHETASE, biosynthesis/ HYDROCORTISONE, pharmacodynamics/ IGG/ IODINE ISOTOPES/ *POLYRIBOSOMES, analysis/ POLYRIBOSOMES, metabolism/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RETINA, cytology/ *RETINA, enzymology/ *RNA, MESSENGER, analysis/ RNA, MESSENGER, metabolism/ TISSUE CULTURE/ TRITIUM

3687. **Sarma DS, Bongiorno M, Verney E, et al:** Effect of oral administration of tryptophan or water on hepatic polyribosomal disaggregation due to puromycin.
Exp Mol Pathol 19:23-35, Aug 73
ADMINISTRATION, ORAL/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ IN VITRO/ *LIVER, drug effects/ LIVER, metabolism/ MICE/ PEPTIDES, metabolism/ *POLYRIBOSOMES, drug effects/ PROTEINS, biosynthesis/ *PUROMYCIN, pharmacodynamics/ TIME FACTORS/ TRYPTOPHAN, administration & dosage/ *TRYPTOPHAN, pharmacodynamics/ *WATER, pharmacodynamics

3688. **Saršúnová M:** Studium akosti niektorých hromadne vyrábaných a do zásoby pripravovaných mastí. II. Dôkaz obsahových zložiek mastí metódou chromatografie na tenkých vrstvách.
Cesk Farm 22:259-65, Jul 73 (Slo)
CHROMATOGRAPHY, THIN LAYER/ DEXAMETHASONE, analysis/ *DRUG STORAGE/ ENGLISH ABSTRACT/ HYDROCORTISONE, analysis/ *OINTMENTS, analysis/ PROCAINE, analysis/ QUALITY CONTROL

3689. **Sartini J, Meadows D, Rector WD, et al:** Response of endometrial and myometrial glucose-6-phosphate dehydrogenase isoenzymes to estrogen.
Endocrinology 93:990-3, Oct 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ENDOMETRIUM, enzymology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ *ISOENZYMES, analysis/ ORGAN WEIGHT/ RATS/ STAINS AND STAINING/ UTERUS, drug effects/ *UTERUS, enzymology

3690. **Sas M, Resch B:** Der Schwangerschaftsverlauf nach Epimestrol induzierten Ovulationen.
Geburtshilfe Frauenheilkd 33:506-9, Jun 73 (Ger)
ABORTION, THREATENED/ BIRTH WEIGHT/ ENGLISH ABSTRACT/ *ESTRIOL, pharmacodynamics/ ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ MALE/ *OVULATION, drug effects/ *PREGNANCY/ PROGESTATIONAL HORMONES, therapeutic use/ STERILITY, FEMALE, drug therapy

3691. **Sasaki T:** [Physiological significance of alkaline phosphatase] J Jap Stomatol Soc 40:43, Mar 73 (Jap)
*ALKALINE PHOSPHATASE, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ HUMAN

3692. **Sasamoto S, Kennan AL:** Endogenous gonadotropin requirements for follicular growth and maintenance

in immature rats pretreated with PMS.
Endocrinology 93:292-6, Aug 73
ANIMAL EXPERIMENTS/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, physiology/ *GRAAFIAN FOLLICLE, drug effects/ HYPOPHYSECTOMY/ IMMUNE SERUMS, pharmacodynamics/ *OVULATION, drug effects/ PITUITARY GLAND, physiology/ RATS/ TIME FACTORS

3693. **Sato K, Kinoshita M, Sakamoto M:** [Prostaglandin]
Clin Endocrinol (Tokyo) 21:245-9, Mar 73 **(Jap)**
ANIMAL EXPERIMENTS/ ANTIBODIES/ METHODS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ RABBITS/ *RADIOIMMUNOASSAY/ TRITIUM

3694. **Sato N:** [Fluctuation of serum HFSH values determined by radioimmunoassay, with special reference to anti-HFSH serum]
Clin Endocrinol (Tokyo) 21:299-302, Mar 73 **(Jap)**
EVALUATION STUDIES/ *FSH, blood/ HUMAN/ *IMMUNE SERUMS/ IODINE ISOTOPES/ *RADIOIMMUNOASSAY

3695. **Sato N, Henkin RI:** Pituitary-gonadal regulation of copper and zinc metabolism in the female rat.
Am J Physiol 225:508-12, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/ *COPPER, blood/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HUMAN/ HYPOPHYSECTOMY/ *OVARY, physiology/ *PITUITARY GLAND, physiology/ PREGNANCY/ PROGESTERONE, blood/ PSEUDOPREGNANCY/ RATS/ *ZINC, blood

3696. **Sato O, Hara M, Asai T, et al:** The effect of dexamethasone phosphate on the production rate of cerebrospinal fluid in the spinal subarachnoid space of dogs. J Neurosurg 39:480-4, Oct 73
ANIMAL EXPERIMENTS/ *CEREBROSPINAL FLUID, secretion/ CHOROID PLEXUS, drug effects/ CHOROID PLEXUS, metabolism/ *DEXAMETHASONE, pharmacodynamics/ DOGS/ EPENDYMA, drug effects/ EPENDYMA, metabolism/ INULIN, metabolism/ PERFUSION/ *SPINAL CORD, drug effects/ SPINAL CORD, metabolism/ *SUBARACHNOID SPACE, drug effects/ SUBARACHNOID SPACE, metabolism/ TIME FACTORS

3697. **Sato S, Yamada T:** [Study of mechanism of action of TSH and iodine metabolism using culture of isolated cells of the thyroid]
Clin Endocrinol (Tokyo) 21:489-94, May 73 **(Jap)**
ANIMAL EXPERIMENTS/ CATTLE/ CELLS, CULTURED/ *IODINE, metabolism/ IODINE ISOTOPES/ THYROGLOBULIN, biosynthesis/ THYROID GLAND, cytology/ *THYROID GLAND, metabolism/ *THYROTROPIN, physiology

3698. **Sato S, Yamada T:** [Separation of plasma membrane of the bovine thyroid and activity of adenyl-cyclase of the isolate]
Clin Endocrinol (Tokyo) 21:503-8, May 73 **(Jap)**
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE/ CELL MEMBRANE, enzymology/ HISTOCYTOCHEMISTRY/ *THYROID GLAND, cytology/ THYROID GLAND, enzymology

3699. **Sato T, Ami K, Shinada T, et al:** Plasma progesterone and prostaglandin F2 levels during the insertion of prostaglandin F2 vaginal tablet.
Prostaglandins 4:107-13, Jul 73
*ABORTION, INDUCED/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ PREGNANCY/ *PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ TABLETS/ TIME FACTORS/ VAGINA

3700. **Sauer LA:** Mitochondrial NAD-dependent malic enzyme: a new regulatory enzyme.
FEBS Lett 33:251-5, 1 Jul 73
ADENOSINE TRIPHOSPHATE/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ FUMARATES/ GEL FILTRATION/ KINETICS/ *MALATE DEHYDROGENASE/ MALATE DEHYDROGENASE, antagonists & inhibitors/ MALATE DEHYDROGENASE, isolation & purification/ MALATES/ *MITOCHONDRIA, enzymology/ NAD/ NADP/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUCCINATES

3701. **Sauk JJ Jr, Delaney JR:** Taurodontism, diminished root formation, and microcephalic dwarfism.
Oral Surg 36:231-5, Aug 73
CASE REPORT/ CHILD/ *DWARFISM/ HUMAN/ MALE/ *MICROCEPHALY/ *TOOTH ABNORMALITIES/ *TOOTH ROOT, abnormalities

3702. **Saule H:** Medikamentöse Behandlung des atopischen Asthma bronchiale im Kindesalter.
Dtsch Med Wochenschr 98:1432-3, 27 Jul 73 **(Ger)**
ADRENAL CORTEX HORMONES, administration & dosage/ *ASTHMA, drug therapy/ CHILD/ DISODIUM CROMOGLYCATE, administration & dosage/ EPHEDRINE, administration & dosage/ EPINEPHRINE, administration & dosage/ HUMAN/ INHALATION THERAPY/ ISOPROTERENOL, administration & dosage/ ORCIPRENALINE, administration & dosage/ PREDNISOLONE, administration & dosage/ XANTHINES, administration & dosage

3703. **Saunders P, Milton PJ:** Laparotomy during pregnancy: an assessment of diagnostic accuracy and fetal wastage. Br Med J 3:165-7, 21 Jul 73
*ABORTION, etiology/ APPENDICITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FETAL DEATH, etiology/ GESTATIONAL AGE/ HUMAN/ *LAPAROTOMY/ LAPAROTOMY, adverse effects/ METHODS/ OVARIAN CYSTS, diagnosis/ PERITONITIS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, surgery

3704. **Savoldi F, Tartara A:** Ricerche elettroencefalografiche sperimentali circa l'effetto centrale della benzoctamina.
Farmaco [Sci] 27:795-9, Sep 72 **(Ita)**
AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ *BENZOCTAMINE, pharmacodynamics/ BLOOD-BRAIN BARRIER, drug effects/ *BRAIN, drug effects/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HYPOTHALAMUS, drug effects/ RABBITS

3705. **Savu L, Crépy O, Nunez E, et al:** Affinité comparée des sérums embryonnaires et maternels pour la corticostérone et la progestérone chez le rat.
Eur J Biochem 35:464-70, 15 Jun 73 **(Fre)**
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ *CORTICOSTERONE, blood/ DIALYSIS/ ENGLISH ABSTRACT/ FEMALE/ FETAL GLOBULINS, metabolism/ FETUS/ GEL FILTRATION/ HEAT/ KINETICS/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ PROTEIN DENATURATION/ RATS/ *SERUM GLOBULINS, metabolism/ TRANSCORTIN, metabolism

3706. **Sawazaki N, Miyai K, Katayama Y, et al:** [Evaluation of RI in vitro test for thyroid function (resin strip

technic). II. Competitive protein binding analysis]
Jap J Nucl Med 10:13-5, Feb 73 (Jap)
BINDING, COMPETITIVE/ ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *PROTEIN-BOUND IODINE TEST/ RESINS, diagnostic use

707. **Sawazaki N, Miyai K, Katayama Y, et al:** [Evaluation of RI in vitro test for thyroid function (resin strip technic). I. Direct saturation analysis]
Jap J Nucl Med 10:9-12, Feb 73 (Jap)
ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *PROTEIN-BOUND IODINE TEST/ RESINS, diagnostic use

708. **Saxena PN, Johri MB:** Antagonistic activity of some phenothiazine derivatives against neurohumoral transmitters. Jap J Pharmacol 23:363-71, Jun 73
ACETOPHENAZINE, pharmacodynamics/ ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS/ CHLORPROMAZINE, pharmacodynamics/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FLUPHENAZINE, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ *NEUROHUMORS, antagonists & inhibitors/ NOREPINEPHRINE, antagonists & inhibitors/ PERPHENAZINE, pharmacodynamics/ *PHENOTHIAZINE TRANQUILIZERS, pharmacodynamics/ PROCHLORPERAZINE, pharmacodynamics/ PROMAZINE, pharmacodynamics/ RABBITS/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, antagonists & inhibitors/ THIOPROPAZATE, pharmacodynamics/ THIORIDAZINE, pharmacodynamics/ TRIFLUOPERAZINE, pharmacodynamics/ TRIFLUPROMAZINE, pharmacodynamics/ TRIMEPRAZINE, pharmacodynamics

709. **Saxena UC, Roy SK:** Effect of estrogen on pregnancy in protein deficient rats.
Indian J Exp Biol 10:449-51, Nov 72
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *ESTRADIOL, toxicity/ FEMALE/ *NIDATION, drug effects/ PREGNANCY/ *PREGNANCY COMPLICATIONS, physiopathology/ *PROTEIN DEFICIENCY, physiopathology/ RATS

710. **Scacchi P, Mogulievsky JA:** Effects of sexual hormones on gonadotrophin secretion in prepuberal female rats.
Experientia 29:877-8, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, drug effects/ ORGAN WEIGHT/ OVARY, drug effects/ OVARY, growth & development/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ RATS/ *TESTOSTERONE, pharmacodynamics

711. **Scanes CG, Follett BK:** The half-life of luteinizing hormone in the circulation of domestic fowl and Japanese quail. J Endocrinol 58:125-6, Jul 73
ANIMAL EXPERIMENTS/ *CHICKENS, metabolism/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ LH, blood/ *LH, metabolism/ *QUAIL, metabolism/ RADIOIMMUNOASSAY

712. **Scaravilli F, Coutinho P:** Encéphalite lymphocytaire dans un cas d'agammaglobulinémie.
Acta Neuropathol (Berl) 25:188-95, 1973 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ *AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, pathology/ BRAIN STEM, pathology/ CASE REPORT/ CEREBELLAR CORTEX, pathology/ CEREBRAL CORTEX, pathology/ CHILD, PRESCHOOL/ *ENCEPHALITIS, complications/ ENCEPHALITIS, pathology/ ENGLISH ABSTRACT/ HUMAN/ IMMUNITY, CELLULAR/ LYMPHOCYTES/ MALE/ MYOSITIS, complications/ MYOSITIS, drug therapy/ PURKINJE CELLS

713. **Scarpalezos S, Panayiotopoulos CP:** Myopathy or neuropathy in thyrotoxicosis.
N Engl J Med 289:918-9, 25 Oct 73
ELECTROMYOGRAPHY/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology/ MOTOR NEURONS, physiopathology/ *NEUROMUSCULAR DISEASES, etiology/ NEUROMUSCULAR DISEASES, physiopathology

3714. **Schajowicz F, Slullitel J:** Eosinophilic granuloma of bone and its relationship to Hand-Schüller-Christian and Letterer-Siwe syndromes.
J Bone Joint Surg [Br] 55:545-65, Aug 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ BONE DISEASES, drug therapy/ *BONE DISEASES, pathology/ BONE DISEASES, radiography/ BONE DISEASES, radiotherapy/ BONE DISEASES, surgery/ CHILD/ CHILD, PRESCHOOL/ CURETTAGE/ EOSINOPHILIC GRANULOMA, diagnosis/ *EOSINOPHILIC GRANULOMA, pathology/ FEMALE/ HAND-SCHUELLER-CHRISTIAN SYNDROME, diagnosis/ *HAND-SCHUELLER-CHRISTIAN SYNDROME, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ LETTERER-SIWE DISEASE, diagnosis/ *LETTERER-SIWE DISEASE, pathology/ MALE/ MIDDLE AGE/ PROGNOSIS/ SEX FACTORS

3715. **Schaller JG:** Dermatomyositis.
J Pediatr 83:699-702, Oct 73 (30 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ CHILD/ *DERMATOMYOSITIS/ DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, enzymology/ DERMATOMYOSITIS, etiology/ DERMATOMYOSITIS, therapy/ DIAGNOSIS, DIFFERENTIAL/ ENZYMES, blood/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNITY, CELLULAR/ PHYSICAL THERAPY/ PREDNISONE, therapeutic use/ REVIEW

3716. **Schally AV:** Hypothalamic LH and FSH releasing hormone; physiological and clinical studies.
Clin Sci 44:1P passim, Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ FERTILITY AGENTS/ *FSH, secretion/ HAMSTERS/ HUMAN/ *HYPOTHALAMUS, analysis/ *LH, secretion/ MALE/ PEPTIDES, isolation & purification/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ RABBITS/ RATS

3717. **Schally AV, Redding TW, Arimura A:** Effect of sex steroids on pituitary responses to LH-and FSH-releasing hormone in vitro.
Endocrinology 93:893-902, Oct 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, secretion/ HYDROXYPROGESTERONE, administration & dosage/ *HYDROXYPROGESTERONE, pharmacodynamics/ IN VITRO/ LH, secretion/ MALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS/ STANOLONE, administration & dosage/ *STANOLONE, pharmacodynamics/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

3718. **Schams D, Reinhardt V:** Immediate response of the plasma prolactin level to steroid hormone infusion in male and female cattle.
Acta Endocrinol [Suppl] (Kbh) 173:38, 1973
ANIMAL EXPERIMENTS/ CATTLE/ ESTRADIOL, administration & dosage/

*ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, blood/ STIMULATION, CHEMICAL

3719. **Schams D, Schindlmayr R:** Studies on in-vitro bioassay (radioligand receptor assay) of luteinizing hormone.
Acta Endocrinol [Suppl] (Kbh) 173:60, 1973
CATTLE/ CORPUS LUTEUM/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IODINE ISOTOPES/ KIDNEY/ *LH, analysis/ LIVER/ MALE/ METHODS/ RADIOLIGAND ASSAY/ RATS/ SHEEP/ TESTIS/ TISSUE EXTRACTS

3720. **Schapiro S, Vukovich K, Globus A:** Effects of neonatal thyroxine and hydrocortisone administration on the development of dendritic spines in the visual cortex of rats.
Exp Neurol 40:286-96, Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *DENDRITES, drug effects/ EVOKED POTENTIALS/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ VISUAL CORTEX, cytology/ VISUAL CORTEX, drug effects/ *VISUAL CORTEX, growth & development

3721. **Schardein JL, Reutner TF, Fitzgerald JE, et al:** Canine teratogenesis with an estrogen antagonist.
Teratology 7:199-203, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANISOLES, adverse effects/ BIRTH WEIGHT/ CLEFT PALATE, chemically induced/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, adverse effects/ DOGS/ *DOGS, embryology/ ESTROGENS, adverse effects/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ FETAL DEATH, chemically induced/ HINDLIMB, abnormalities/ *PYRROLIDINES, adverse effects/ STERNUM, abnormalities/ STYRENES, adverse effects/ TAIL, abnormalities

3722. **Schärer K, Heisler N, Sterner W:**
Langzeit-Verträglichkeitsversuche mit Glibornurid an der Ratte und am Hund.
Arzneim Forsch 22:Suppl 12A:2188, Dec 72 **(Ger)**
ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ ANTIDIABETICS, administration & dosage/ *ANTIDIABETICS, toxicity/ BLOOD SUGAR/ BODY WEIGHT, drug effects/ BORNANES, administration & dosage/ BORNANES, toxicity/ BRAIN/ DOGS/ *DRUG TOLERANCE/ ENGLISH ABSTRACT/ FEMALE/ GONADS/ HEART/ KIDNEY/ LIVER/ MALE/ ORGAN WEIGHT/ RATS/ SPLEEN/ SULFONYLUREA COMPOUNDS, administration & dosage/ *SULFONYLUREA COMPOUNDS, toxicity/ TIME FACTORS

3723. **Scharrer I, Kreft U, Breddin K:** Vergleichende Untersuchungen über die Auslösung der Thrombocytenaggregation durch Prokollagen, Serotonin und ADP und ihre gegenseitige Beeinflussung.
Verh Dtsch Ges Inn Med 78:1539-42, 1972 **(Ger)**
*ADENOSINE DIPHOSPHATE, pharmacodynamics/ *COLLAGEN, pharmacodynamics/ DRUG INTERACTIONS/ *PLATELET ADHESIVENESS, drug effects/ RATS/ *SEROTONIN, pharmacodynamics

3724. **Schatz H, Hinz M, Maier V, et al:** Cyclic AMP and gastrointestinal hormones. Studies in isolated pancreatic islets.
Acta Endocrinol [Suppl] (Kbh) 173:125, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ GASTRIN, pharmacodynamics/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ INSULIN, biosynthesis/ INSULIN, metabolism/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ LEUCINE, metabolism/ MICE/ PANCREOZYMIN, pharmacodynamics/ PROINSULIN, metabolism/ SECRETIN, pharmacodynamics/ TRITIUM

3725. **Schechter GL, Biller HF:** The limitations of corticosteroids and cryotherapy for subglottic hemangioma.
Trans Am Acad Ophthalmol Otolaryngol 76:1360-2, Sep-Oct 72
*CRYOTHERAPY/ FEMALE/ *GLOTTIS/ HEMANGIOMA, drug therapy/ HEMANGIOMA, therapy/ HUMAN/ INFANT/ LARYNGEAL NEOPLASMS, drug therapy/ *LARYNGEAL NEOPLASMS, therapy/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use

3726. **Scheer K, Goldstein DP:** Use of ultrasonography to follow regression of theca lutein cysts.
Radiology 108:673-4, Sep 73
ADULT/ DACTINOMYCIN, therapeutic use/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, complications/ LUNG NEOPLASMS, radiography/ NEOPLASM METASTASIS/ *OVARIAN CYSTS, diagnosis/ *OVARIAN NEOPLASMS/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ RADIOIMMUNOASSAY/ REGRESSION/ *TROPHOBLASTIC TUMOR, complications/ TROPHOBLASTIC TUMOR, drug therapy/ TROPHOBLASTIC TUMOR, surgery/ *ULTRASONICS, diagnostic use

3727. **Schemmel K, Mokol V, Weibecker L, et al:** Untersuchungen über die Entstehung von Long-acting thyroid stimulator.
Verh Dtsch Ges Inn Med 78:933-5, 1972 **(Ger)**
ANTIGEN-ANTIBODY COMPLEX/ GAMMA GLOBULIN/ HUMAN/ IGG/ *LONG-ACTING THYROID STIMULATOR, biosynthesis

3728. **Schemmel K, Weisbecker L, Norden H, et al:** Identification of LATS as an antigen-antibody complex.
Acta Endocrinol [Suppl] (Kbh) 173:11, 1973
ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY COMPLEX/ *LONG-ACTING THYROID STIMULATOR, physiology/ MICROSOMES, immunology/ RABBITS, immunology/ STIMULATION, CHEMICAL

3729. **Schenker JG, Polishuk WZ, Sacks MI:** Regeneration of the endometrium in rabbits after curettage. II. Pretreatment with progesterone.
J Reprod Med 11:49-57, Aug 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CURETTAGE/ CYTOPLASM/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, physiology/ EPITHELIUM, physiology/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ METAPLASIA, chemically induced/ METAPLASIA, pathology/ MITOSIS, drug effects/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RABBITS/ *REGENERATION, drug effects/ TIME FACTORS

3730. **Schenker JG, Polishuk WZ, Sacks MI:** Regeneration of the endometrium in rabbits after curettage. I. Pretreatment with estrogens.
J Reprod Med 11:43-8, Aug 73
ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ CURETTAGE/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, physiology/ EPITHELIUM, physiology/ ESTROGENS, administration & dosage/ *ESTROGENS, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ LEUKOCYTES/ MACROPHAGES/ MITOSIS, drug effects/ RABBITS/ *REGENERATION, drug effects/ TIME FACTORS

3731. **Scher J, Baillie P, Jessop S, et al:** A comparison between the effects of prostaglandin F2alpha and oxytocin on fluid balance during induction of labour in patients suffering from pre-eclampsia.
S Afr Med J 47:1291-2, 28 Jul 73
COMPARATIVE STUDY/ FEMALE/ HUMAN/

*LABOR, INDUCED/ OSMOLAR CONCENTRATION/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TOXEMIAS, urine/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *WATER, metabolism

32. **Schillinger E, Gerhards E:** Influence of hormonal contraceptives on carbohydrate and lipid metabolism in the rat. Biochem Pharmacol 22:1835-44, 1 Aug 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBOHYDRATES, metabolism/ CELLS, metabolism/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ INSULIN, pharmacodynamics/ LIPID MOBILIZATION/ *LIPIDS, metabolism/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ NANDROLONE, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ OXIDATION-REDUCTION/ PHOSPHOLIPIDS, blood/ PROGESTATIONAL HORMONES, administration & dosage/ RATS

33. **Schimke RN:** Phenotype of malignancy: the mucosal neuroma syndrome. Pediatrics 52:283-4, Aug 73
ADOLESCENCE/ ARACHNODACTYLY, complications/ CARCINOMA, blood/ *CARCINOMA, complications/ CARCINOMA, diagnosis/ CARCINOMA, familial & genetic/ CARCINOMA, surgery/ HUMAN/ MALE/ *MUCOUS MEMBRANE/ *NEUROMA, complications/ NEUROMA, familial & genetic/ PHENOTYPE/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, familial & genetic/ SYNDROME/ THYROCALCITONIN, blood/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

34. **Schimmelpfennig W, Wagner K, Theuer D, et al:** Immunsuppressive Langzeittherapie der chronisch aggressiven Hepatitis.
Z Gesamte Inn Med 28:Suppl:177-8 f, 15 Jun 73 (Ger)
AUSTRALIA ANTIGEN, analysis/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEPATITIS, drug therapy/ HEPATITIS, immunology/ HUMAN/ PREDNISOLONE, therapeutic use/ TIME FACTORS

35. **Schimmelpfennig W, Wagner K, Theuer D, et al:** Immunsuppressive Langzeittherapie der chronisch aggressiven Hepatitis.
Z Gesamte Inn Med 28:Suppl:176, 1 Jun 73 (Ger)
*AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ *HEPATITIS, drug therapy/ HUMAN/ *PREDNISOLONE, therapeutic use/ TIME FACTORS

36. **Schimpf A:** Klinische Erfahrungen mit Fluocinclonacetonid-Gel bei Hautkrankheiten.
Fortschr Med 91:885-7, 19 Jul 73 (Ger)
ALOPECIA AREATA, drug therapy/ CLINICAL RESEARCH/ DERMATITIS, CONTACT, drug therapy/ *FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, therapeutic use/ GELS/ HUMAN/ MYCOSIS FUNGOIDES, drug therapy/ PSORIASIS, drug therapy/ SEBORRHEA, drug therapy/ *SKIN DISEASES, drug therapy/ URTICARIA, drug therapy

37. **Schimpff RM, Donnadieu M:** Quantitative determination of somatomedin in human serum (35S uptake by embryonic chick cartilage).
Biomedicine [Express] 19:142-7, 10 Apr 73
ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CARTILAGE, metabolism/ CHICK EMBRYO/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYPOPITUITARISM, blood/ METHODS/ MIDDLE AGE/ SOMATOMEDIN, analysis/ *SOMATOMEDIN, blood/ SOMATOMEDIN, metabolism/ SOMATOTROPIN, pharmacodynamics/ SULFUR ISOTOPES

3738. **Schindeler J:** Cuban refugees and missing c triradii.
Lancet 2:323, 11 Aug 73
CHILD/ CUBA/ *DERMATOGLYPHICS/ ETHNIC GROUPS/ FEMALE/ HUMAN/ LEARNING DISORDERS, diagnosis/ MALE/ MENTAL RETARDATION, diagnosis/ TURNER'S SYNDROME, diagnosis/ UNITED STATES

3739. **Schirazi M, Schwarz J, Oertel GW:** Protein binding of sulfoconjugated DHEA.
Acta Endocrinol [Suppl] (Kbh) 173:72, 1973
DEHYDROEPIANDROSTERONE, blood/ *DEHYDROEPIANDROSTERONE, metabolism/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *PROTEIN BINDING/ SERUM ALBUMIN, metabolism/ SULFATES, blood/ *SULFATES, metabolism/ SULFATIDES, blood/ *SULFATIDES, metabolism/ TRITIUM

3740. **Schjerven L:** Abortus provocatus hos storfe.
Nord Vet Med 24:537-43, Nov 72 (Nor)
*ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CATTLE/ CORPUS LUTEUM/ DIETHYLSTILBESTROL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FETUS/ MASSAGE/ METHODS/ PREGNANCY/ UTERUS

3741. **Schlagel CA:** Penetration and action of glucocorticoids.
Adv Biol Skin 12:339-56, 1972 (39 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, TOPICAL, pharmacodynamics/ BIOPHARMACEUTICS/ CAPILLARY PERMEABILITY, drug effects/ CELL MEMBRANE, drug effects/ CHEMISTRY/ *GLUCOCORTICOIDS, TOPICAL/ GLUCOCORTICOIDS, TOPICAL, metabolism/ GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, pharmacodynamics/ INFLAMMATION, drug therapy/ INFLAMMATION, physiopathology/ MOLECULAR CONFORMATION/ REVIEW/ SKIN, cytology/ SKIN ABSORPTION/ STRUCTURE-ACTIVITY RELATIONSHIP/ VASOCONSTRICTOR AGENTS, pharmacodynamics

3742. **Schleiermacher E, Schmidt W:** The local control of mammalian spermatogenesis.
Humangenetik 19:75-98, 1973
DESMOSOMES/ INTERCELLULAR JUNCTIONS/ MALE/ *MICE, physiology/ MICROSCOPY, ELECTRON/ *SPERMATOGENESIS/ SPERMATOZOA, cytology/ TESTIS, cytology/ TESTIS, physiology/ TIME FACTORS

3743. **Schleyer M, Voigt KH, Faulhaber JD, et al:** Lipolytically active peptides from hog pituitary glands.
Acta Endocrinol [Suppl] (Kbh) 173:179-80, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BUFFERS/ CHROMATOGRAPHY/ CORTICOTROPIN, analysis/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *LIPIDS, metabolism/ METHODS/ MOLECULAR WEIGHT/ *PEPTIDES, isolation & purification/ *PITUITARY GLAND, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY/ RATS/ SWINE

3744. **Schleyer-Saunders E:** Hormone replacement therapy for menopausal symptoms. Lancet 2:389, 18 Aug 73
AGING, drug effects/ ESTROGENS,

administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ *SEX HORMONES, pharmacodynamics

3745. **Schmid KO, Richter K:** Epikritische Betrachtungen zu einer letal verlaufenden destruierenden Blasenmole.
Zentralbl Gynaekol 95:753-64, 1 Jun 73 (Ger)
ADULT/ AUTOPSY/ BRAIN NEOPLASMS, pathology/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, pathology/ HYDATIDIFORM MOLE, surgery/ HYSTERECTOMY/ KIDNEY NEOPLASMS, pathology/ LUNG NEOPLASMS, pathology/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, pathology/ PREGNANCY

3746. **Schmidt H, Giba-Tziampiri O, Rotteck G von, et al:** Metabolism and mode of action of androgens in target tissue of male rats. IV. Mode of action of 5 alpha-androstane-3,17-dione, 5 alpha-androstane-3 alpha,17 beta-diol and of 5 alpha-androstane-3 beta,17 beta-diol at a cellular level on seminal vesicles and prostates of rats.
Acta Endocrinol (Kbh) 73:599-611, Jul 73
ALDOLASE, metabolism/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIVISION, drug effects/ DNA, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *17-HYDROXYCORTICOSTEROIDS, pharmacodynamics/ ISOCITRATE DEHYDROGENASE, metabolism/ MALATE DEHYDROGENASE, metabolism/ MALE/ PROSTATE, drug effects/ PROSTATE, enzymology/ *PROSTATE, metabolism/ PROTEINS, analysis/ RATS/ RNA, analysis/ SEMINAL VESICLES, enzymology/ *SEMINAL VESICLES, metabolism/ *STANOLONE, pharmacodynamics/ STEROLS, pharmacodynamics/ STIMULATION, CHEMICAL

3747. **Schmidt MJ, Schmidt DE, Robison GA:** Cyclic AMP in the rat brain: microwave irradiation as a means of tissue fixation.
Adv Cyclic Nucleotide Res 1:425-34, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BRAIN, drug effects/ BRAIN, enzymology/ BRAIN, metabolism/ *BRAIN CHEMISTRY/ METHODS/ *MICROWAVES/ PHOSPHODIESTERASES, metabolism/ RATS/ TIME FACTORS

3748. **Schmidt-Gayk H, Röher HD, Seyberth HW:** Bestimmung von cyclischem Adenosin 3',5'-monophosphat (cAMP) im Harn zur Diagnose des primären Hyperparathyreoidismus.
Chirurg 44:272-4, Jun 73 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, urine/ METHODS

3749. **Schmidt-Gayk H, Röher HD:** Urinary excretion of cyclic adenosine monophosphate in the detection and diagnosis of primary hyperparathyroidism.
Surg Gynecol Obstet 137:439-44, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADULT/ CALCIUM, blood/ CREATININE, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, urine/ MALE/ METHODS/ PHOSPHATES, blood/ RADIOIMMUNOASSAY/ SEX FACTORS

3750. **Schmidtsdorf G:** Infektionen nach lokaler Kortikoidtherapie.
Zentralbl Chir 98:893-5, 15 Jun 73 (Ger)
ADULT/ AGED/ ARTHRITIS, etiology/ ELBOW/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ KNEE/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, drug therapy/ SHOULDER

3751. **Schmutzler W, Derwall R:** Experiments on the role cyclic AMP in guinea pig anaphylaxis.
Int Arch Allergy Appl Immunol 45:120-2, 197
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ANAPHYLAXIS/ ANIMA EXPERIMENTS/ ANTIGENS/ BUTYRATES, pharmacodynamics/ DISODIUM CROMOGLYCATE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ LUNG, immunology/ NOREPINEPHRINE, pharmacodynamics/ OVALBUMIN, pharmacodynamics

3752. **Schneck G:** Sertoli-Zellen-Geschwulst des Hodens b einem 19jährigen Hund.
Dtsch Tieraerztl Wochenschr 80:209-10, 1 May (Ge
ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOGS/ ENGLISH ABSTRACT/ MALE/ *SERTOLI CELL TUMOR, veterinary/ *TESTICULAR NEOPLASMS, veterinary

3753. **Schneider B, Benveniste R, Spitz I, et al:** Binding human LH to particulate fraction of rat test disparity in LH:IRP equipotency ratios in immuno-and ligand assay.
Metabolism 22:1225-33, Sep 73
DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ IODINE ISOTOPES/ LEYDIG CELLS/ LH, antagonist & inhibitors/ *LH, metabolism/ MENOTROPINS, metabolism/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ RATS/ TEMPERATURE/ *TESTIS, metabolism/ TIME FACTORS

3754. **Schneider HA:** Harry Steenbock (1886-1967)--a biographical sketch. J Nutr 103:1233-47, Sep
ANEMIA, history/ BIOCHEMISTRY, history/ FOOD IRRADIATION/ FOUNDATIONS, history/ HISTORICAL ARTICLE/ HISTORIC BIOGRAPHY/ HISTORY OF MEDICINE, 20T CENT./ HUMAN/ NUTRITION/ RESEARCH/ ULTRAVIOLET RAYS/ UNITED STATES/ UNIVERSITIES/ VITAMIN A/ VITAMIN D/ WISCONSIN

3755. **Schneider HP, Dahlén HG:** Evidence for part refractoriness of the human pituitary.
Acta Endocrinol [Suppl] (Kbh) 173:86, 1973
DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *LH, metabolism/ *PITUITARY GLAND, dru effects/ PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ TIME FACTORS

3756. **Schneider WH, Spona J, Matt K:** Die Wirkung ei zyklusregulierenden Zweiphasenpräparates auf periphere und zentrale Zyklusfunktion.
Ther Umsch 30:516-23, Jul 73 (G
*CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORA therapeutic use/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ ESTRADIO therapeutic use/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MENSTRUATION, drug effect MENSTRUATION DISORDERS, drug therapy *NORGESTREL, pharmacodynamics/ NORGESTREL, therapeutic use/ *OVULATIO drug effects

3757. **Schoenfeld RI, Uretsky NJ:** Enhancement by 6-hydroxydopamine of the effects of DOPA upon motor activity of rats.
J Pharmacol Exp Ther 186:616-24, Sep 73

AMINES, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ DOPA, metabolism/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ MESENCEPHALON, metabolism/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ TIME FACTORS/ TRITIUM/ VEHICLES, pharmacodynamics

8. **Schoental R, Appleby EC:** The development of tumours in a female rat and her offspring, following administration of diethylnitrosamine to the mother during nursing. Br J Cancer 28:84, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ *LACTATION/ MATERNAL-FETAL EXCHANGE/ MILK, metabolism/ *NEOPLASMS, chemically induced/ *NITROSAMINES, administration & dosage/ NITROSAMINES, metabolism/ RATS

9. **Scholler R, Nahoul K, Ulmann A:** Hydrolyse des glucosiduronates des stéroïdes urinaires apparentés au prégnane et à l'estrane par une nouvelle beta-glucuronidase de E. coli à action rapide. C R Acad Sci [D] (Paris) 276:3363-6, 18 Jun 73 (Fre)
ESCHERICHIA COLI, enzymology/ ESTRANES/ *GLUCURONATES/ *GLUCURONIDASE/ HYDROLYSIS/ *17-HYDROXYCORTICOSTEROIDS/ PREGNANES/ *STEROIDS, urine

0. **Scholtes G:** Das Schicksal des zweiten Zwillings. Med Klin 68:934-8, Jul 73 (Ger)
ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ BERLIN/ *BIRTH ORDER/ BIRTH WEIGHT/ CESAREAN SECTION/ DISEASES IN TWINS, diagnosis/ DISEASES IN TWINS, mortality/ DIURETICS, therapeutic use/ DYSTOCIA, mortality/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *INFANT MORTALITY/ INFANT, NEWBORN/ LABOR, PREMATURE/ LABOR, PREMATURE, mortality/ PLACENTA DISORDERS, physiopathology/ PREGNANCY/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY TOXEMIAS, physiopathology/ *TWINS

. **Scholz DA, Purnell DC, Woolner LB, et al:** Mediastinal hyperfunctioning parathyroid tumors: review of 14 cases. Ann Surg 178:173-8, Aug 73
ADULT/ *CARCINOMA, complications/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ MALE/ *MEDIASTINAL NEOPLASMS, complications/ MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE/ PARATHYROID GLANDS, abnormalities/ PARATHYROID GLANDS, pathology/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery

. **Schönberg D, Bierich JR:** Clinical and endocrinological evaluation of genetically determined dwarfism. Acta Endocrinol [Suppl] (Kbh) 173:100, 1973
ABNORMALITIES, MULTIPLE/ ANEMIA, APLASTIC, familial & genetic/ *DWARFISM, PITUITARY, familial & genetic/ ERYTHEMA, familial & genetic/ FACIAL DERMATOSES, familial & genetic/ FEMALE/ *GROWTH DISORDERS, familial & genetic/ HUMAN/ *HYPOPITUITARISM, familial & genetic/ LAURENCE-MOON-BIEDL SYNDROME, familial & genetic/ MALE/ METABOLISM, INBORN ERRORS/ PHOTOSENSITIZATION, familial & genetic/ SOMATOTROPIN, blood

Schor RA, Prussin SG, Jewett DL, et al: Trace levels of manganese, copper, and zinc in rib cartilage as related to age in humans and animals, both normal and dwarfed. Clin Orthop 93:346-55, Jun 73
ACTIVATION ANALYSIS/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANIMAL EXPERIMENTS/ AUTOPSY/ BIOPSY/ *CARTILAGE, analysis/ CHILD/ CHILD, PRESCHOOL/ *COPPER, analysis/ DOGS/ *DWARFISM, metabolism/ *DYSCHONDROPLASIA, metabolism/ EMBRYO/ FEMALE/ GAMMA SPECTROMETRY/ GROWTH/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *MANGANESE, analysis/ METHODS/ MIDDLE AGE/ RABBITS/ *RIBS, analysis/ SPECIES SPECIFICITY/ TIME FACTORS/ TURKEYS/ *ZINC, analysis

3764. **Schougaard H, Basse A, Gissel-Nielsen G, et al:** Ernaeringsmaessig betinget muskeldystrofi (NMD) hos føl.
Nord Vet Med 24:67-84, Feb 72 (Dan)
ADRENAL GLANDS, pathology/ ALANINE AMINOTRANSFERASE, blood/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMAL NUTRITION/ ASPARTATE AMINOTRANSFERASE, blood/ CALCIUM, blood/ CHOLESTEROL, blood/ ENGLISH ABSTRACT/ FOOD, FORTIFIED/ GASTROINTESTINAL SYSTEM, pathology/ *HORSE DISEASES/ HORSES/ MAGNESIUM, blood/ *MUSCULAR DYSTROPHY, ANIMAL/ MUSCULAR DYSTROPHY, ANIMAL, blood/ MUSCULAR DYSTROPHY, ANIMAL, drug therapy/ MUSCULAR DYSTROPHY, ANIMAL, pathology/ *NUTRITION DISORDERS, veterinary/ SELENIUM, blood/ SELENIUM, therapeutic use/ THYMUS GLAND, pathology/ VITAMIN E, therapeutic use

3765. **Schraer R, Elder JA, Schraer H:** Aspects of mitochondrial function in calcium movement and calcification. Fed Proc 32:1938-43, Sep 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL NUCLEUS, analysis/ CHICKENS/ FEMALE/ HISTOCYTOCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, pharmacodynamics/ MICROSCOPY, ELECTRON/ MICROSOMES, analysis/ MICROSOMES, LIVER, analysis/ MITOCHONDRIA, analysis/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, analysis/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MUCOUS MEMBRANE, analysis/ OVIDUCTS/ OVIDUCTS, cytology/ *OVIDUCTS, metabolism/ PHOSPHATES, pharmacodynamics

3766. **Schreck CB:** Uptake of 3H-testosterone and influence of an antiandrogen in tissues of rainbow trout (Salmo gairdneri). Gen Comp Endocrinol 21:60-8, Aug 73
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CYPROTERONE, pharmacodynamics/ FEMALE/ GALLBLADDER, metabolism/ *GONADS, metabolism/ KIDNEY, metabolism/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MUSCLES, metabolism/ OVARY, drug effects/ OVARY, metabolism/ PITUITARY GLAND, metabolism/ *PREGNADIENES, pharmacodynamics/ *SALMONIDAE/ SPLEEN, metabolism/ TESTIS, drug effects/ TESTIS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TRITIUM

3767. **Schreiber B, Přibýl T, Roháčová J:** Inhibition of the growth reaction of the rat adenohypophysis to oestrogen by an ergoline derivative.
Physiol Bohemoslov 22:11-7, 1973
ANIMAL EXPERIMENTS/ *ERGOLINES, pharmacodynamics/ *ESTRADIOL, antagonists & inhibitors/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ ORGAN WEIGHT/ OVARY, drug effects/ *PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS/ PROLACTIN, secretion/ RATS/ SEMINAL VESICLES, drug effects/ TESTIS, drug effects/ THYROXINE-BINDING PROTEIN

3768. **Schreiber U:** Vasomotorische Rhinitis als Nebenwirkung hormonaler Kontrazeption.

HNO 21:180-1, Jun 73 (Ger)
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ *HAY FEVER, chemically induced/ HEMORRHAGIC DIATHESIS, chemically induced/ HEMORRHAGIC DIATHESIS, familial & genetic/ HUMAN/ PROGESTATIONAL HORMONES, adverse effects/ TIME FACTORS

3769. **Schreiber V:** Zemřel doc. MUDr. Karel Silink, DrSc.
Cas Lek Cesk 112:942, 27 Jul 73 (Cze)
CURRENT BIOG-OBIT/ CZECHOSLOVAKIA/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

3770. **Schreiber V, Přibyl T:** Adenohypophysial growth and thyroxine binding: effects of steroid hormones.
Acta Univ Carol [Med Monogr] (Praha) 51:9-157, 1972
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CATTLE/ CLOMIPHENE, antagonists & inhibitors/ CYPROTERONE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ HORSES/ HUMAN/ HYPOTHALAMUS, physiology/ IODINE ISOTOPES, metabolism/ MONKEYS/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiology/ PROGESTERONE, pharmacodynamics/ SHEEP/ SWINE/ TESTOSTERONE, pharmacodynamics/ THYROID GLAND, metabolism/ THYROXINE, administration & dosage/ THYROXINE, pharmacodynamics/ *THYROXINE-BINDING PROTEIN, physiology/ TRIIODOTHYRONINE, pharmacodynamics

3771. **Schroeder PC:** The inhibition of amphibian ovulation in vitro by cytochalasin B1.
Experientia 29:617-8, 15 May 73
ANIMAL EXPERIMENTS/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIMETHYL SULFOXIDE, pharmacodynamics/ FEMALE/ FROGS/ IN VITRO/ *INDOLES, pharmacodynamics/ *MONILIALES/ *OVULATION, drug effects/ PITUITARY HORMONES, pharmacodynamics/ RANA PIPIENS

3772. **Schubert J:** Effect of spinal transection on the metabolism of 5-hydroxyindoles formed in vivo from 3H-tryptophan in the rat spinal cord.
Acta Physiol Scand 87:557-66, Apr 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BODY WEIGHT/ CHORDOTOMY/ HYDROXYINDOLEACETIC ACID, biosynthesis/ *HYDROXYINDOLEACETIC ACID, metabolism/ INJECTIONS, INTRAVENOUS/ MALE/ RATS/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ SPINAL CORD, metabolism/ *SPINAL CORD, physiology/ SPINAL NERVES, physiology/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, administration & dosage/ TRYPTOPHAN, metabolism/ *TRYPTOPHAN, pharmacodynamics

3773. **Schulster D:** Regulation of steroidogenesis by ACTH in a superfusion system for isolated adrenal cells.
Endocrinology 93:700-4, Sep 73
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ CELLS, CULTURED/ *CORTICOTROPIN, pharmacodynamics/ FEEDBACK/ HALF-LIFE/ IN VITRO/ PERFUSION/ TRITIUM

3774. **Schultz G, Hardman JG, Schultz K, et al:** A new enzymatic assay for guanosine 3':5'-cyclic monophosphate and its application to the ductus deferens of the rat.
Proc Natl Acad Sci USA 70:1721-5, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE DIPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ GUANINE NUCLEOTIDES, biosynthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ MALE/ METHODS/ MYOSIN, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ RATS/ *VAS DEFERENS, analysis/ VAS DEFERENS, drug effects

3775. **Schulz A, Sommer E, Delling G:** The antagonistic effe of parathyroid hormone (PTH) and estrogens on bo remodelling in ovariectomized rats.
Acta Endocrinol [Suppl] (Kbh) 173:166, 1973
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ *BONE REGENERATION/ *BONE RESORPTION/ CALCIUM, blood/ CASTRATION/ ESTROGENS, antagonists & inhibitors/ *ESTROGENS, physiology/ FEMALE/ OSTEOPOROSIS, blood/ OSTEOPOROSIS, etiology/ OVARY, physiolog PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, antagonists & inhibitors/ *PARATHYROID HORMONE, physiology/ PHOSPHORUS, blood/ RATS

3776. **Schulz B, Michaelis D, Neumann I, et al:** Einflubb d Lipolyseblockers 5-Methylpyrazol-3-Karbonsäure (MPC) auf die durch Muskelarbeit induzierte Veränderungen des Kohlenhydrat- und Fettstoffwechsels bei insulinpflichtigen Diabetike
Z Gesamte Inn Med 28:345-50, 15 Jun 73 (Ge
ACETONE, blood/ ADULT/ BLOOD SUGAR, analysis/ CARBOXYLIC ACIDS, pharmacodynamics/ DIABETES MELLITUS, JUVENILE, drug therapy/ *DIABETES MELLITUS, JUVENILE, metabolism/ DIETAR CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ ENGLISH ABSTRACT/ EXERTION/ *EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIN, blood/ HUMAN/ HYDROCORTISONE, blood/ *INSULIN, therapeutic use/ LACTATES, blood/ LIPID MOBILIZATION, drug effects/ LIPIDS, metabolism/ *PYRAZOLES, pharmacodynamics/ PYRUVATES, blood/ TIB FACTORS/ TRIGLYCERIDES, blood

3777. **Schulz F, Guthoff R, Müller A, et al:** LH-secretion af synthetic LH-RH in the male under normal a pathological conditions.
Acta Endocrinol [Suppl] (Kbh) 173:93, 1973
ADULT/ AGED/ ANOSMIA/ COLOR BLINDNESS/ ESTROGENS, therapeutic use/ EUNUCHISM, diagnosis/ GONADOTROPINS, metabolism/ HUMAN/ HYPOGONADISM, diagnosis/ LH, blood/ *LH, metabolism/ MALE/ MENTAL RETARDATION/ MIDDLE AGE/ PITUITARY DISEASES, diagnosis/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROSTATIC NEOPLASMS diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ RADIOIMMUNOASSAY/ SEX CHROMOSOME ABNORMALITIES

3778. **Schulz H, Unger H, Schwarzberg H:** Einfluss v intraventrikulär applizierter Glutaminsäure un Oxytozin auf die Impulsentladungsrate hypothalamischer Neuronengebiete.
Acta Biol Med Ger 30:197-202, 1973 (G
ACTION POTENTIALS, drug effects/ ANIM EXPERIMENTS/ BIOMETRY/ BRAIN MAPPING/ ELECTROCOAGULATION/ ELECTRODES, IMPLANTED/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMATES, administration & dosage/ GLUTAMATES, antagonists & inhibitors/ *GLUTAMATES, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/

INJECTIONS, INTRATHECAL/ MALE/ NEURONS, drug effects/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ RABBITS

3779. **Schulz HJ, Dietze F, Schliack V:** Glukagon und seine Bedeutung für die Regulation der exokrinen Pankreasfunktion.
Z Gesamte Inn Med 28:313-20, 1 Jun 73 (125 ref.) (Ger)
CALCIUM, blood/ CARBOHYDRATES, metabolism/ CARDIOVASCULAR SYSTEM, drug effects/ CATECHOLAMINES, secretion/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, drug effects/ GLUCAGON, pharmacodynamics/ *GLUCAGON, physiology/ HUMAN/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ LIPIDS, metabolism/ *PANCREAS, physiology/ POTASSIUM, blood/ PROTEINS, metabolism/ REVIEW/ SOMATOTROPIN, secretion/ THYROCALCITONIN

3780. **Schulze W, Krause EG, Wollenberger A:** Cytochemical demonstration and localization of adenyl cyclase in skeletal and cardiac muscle.
Adv Cyclic Nucleotide Res 1:249-60, 1972
*ADENYL CYCLASE, analysis/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ FORMALDEHYDE/ GLUCAGON, pharmacodynamics/ GLUTARALDEHYDE/ GUINEA PIGS/ HEART, drug effects/ HISTOCYTOCHEMISTRY/ MICE/ MICROSCOPY, ELECTRON/ MUSCLES, cytology/ MUSCLES, drug effects/ *MUSCLES, enzymology/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ TIME FACTORS/ ZINC, pharmacodynamics

3781. **Schurz AR:** Die Behandlung der Dysmenorrhoe aus heutiger Sicht.
Ther Umsch 30:511-5, Jul 73 (Ger)
CONTRACEPTIVES, ORAL, therapeutic use/ DYSMENORRHEA, drug therapy/ DYSMENORRHEA, surgery/ DYSMENORRHEA, therapy/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PROGESTATIONAL HORMONES, therapeutic use/ PSYCHOTHERAPY

3782. **Schütze G:** Die pubertätsmagersucht. Symptomatik, Entstehung und ambulante sowie stationäre Behandlungsmöglichkeiten.
Z Allgemeinmed 49:441-5, 10 Apr 73 (Ger)
ADOLESCENCE/ AMBULATORY CARE/ ANOREXIA NERVOSA, complications/ *APPETITE DISORDERS/ BEHAVIOR THERAPY/ BODY WEIGHT/ *EMACIATION/ EMACIATION, diagnosis/ EMACIATION, etiology/ EMACIATION, therapy/ FEMALE/ HOSPITALIZATION/ HUMAN/ *PUBERTY

3783. **Schwandt P:** Special lipid mobilizing hormones from the pituitary gland (lipotropins).
Acta Endocrinol [Suppl] (Kbh) 173:177-8, 1973
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATTY ACIDS, NONESTERIFIED, blood/ GUINEA PIGS/ HUMAN/ *LIPID MOBILIZATION/ LIPOTROPIN, analysis/ LIVER, enzymology/ METHODS/ MOLECULAR WEIGHT/ *PITUITARY GLAND, analysis/ *PITUITARY HORMONES, ANTERIOR, analysis/ RABBITS/ RATS/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS/ TRIGLYCERIDES, blood

3784. **Schwartz A, Sordahl LA, Entman ML, et al:** Abnormal biochemistry in myocardial failure.
Am J Cardiol 32:407-22, 20 Sep 73 (86 ref.)
ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HAMSTERS/ HEART, physiology/ HEART ENLARGEMENT, metabolism/ HEART ENLARGEMENT, pathology/ *HEART FAILURE, CONGESTIVE, metabolism/ HEART FAILURE, CONGESTIVE, pathology/ HUMAN/ MICROSCOPY, ELECTRON/ MICROTUBULES, metabolism/ MITOCHONDRIA, metabolism/ MYOCARDIUM, cytology/ MYOSIN, metabolism/ NAD, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ POTASSIUM, metabolism/ REVIEW/ SARCOLEMMA, physiology/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism/ TROPOMYOSIN, metabolism

3785. **Schwartz J, Elizan TS:** Therapy of herpes simplex virus infections: a prospective view.
Mt Sinai J Med NY 40:641-51, Sep-Oct 73
ANTIGEN-ANTIBODY REACTIONS/ *ANTIVIRAL AGENTS, therapeutic use/ CHRONIC DISEASE/ CYTARABINE, therapeutic use/ DEXAMETHASONE, therapeutic use/ DNA, VIRAL/ GAMMA GLOBULIN, therapeutic use/ HERPES SIMPLEX, drug therapy/ HERPES SIMPLEX, immunology/ HERPES SIMPLEX, pathology/ *HERPES SIMPLEX, therapy/ HERPESVIRUS HOMINIS, growth & development/ HERPESVIRUS HOMINIS, immunology/ HERPESVIRUS HOMINIS, pathogenicity/ HUMAN/ INTERFERON, therapeutic use/ PREDNISONE, therapeutic use/ RECURRENCE/ VIRAL INTERFERENCE/ VIRUS INHIBITORS, therapeutic use/ *VIRUS REPLICATION

3786. **Schwartz JT, Reuling FH Jr, Feinleib M, et al:** Twin heritability study of the corticosteroid response.
Trans Am Acad Ophthalmol Otolaryngol 77:op126-36, Mar-Apr 73
DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, diagnostic use/ GENOTYPE/ *GLAUCOMA, familial & genetic/ HUMAN/ *INTRAOCULAR PRESSURE, drug effects/ *TWINS

3787. **Schwartz RJ:** Control of glutamine synthetase synthesis in the embryonic chick neural retina. A caution in the use of actinomycin D.
J Biol Chem 248:6426-35, 25 Sep 73
ADENOSINE TRIPHOSPHATE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHICK EMBRYO/ *DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ GENES, REGULATOR/ *GLUTAMINE SYNTHETASE, biosynthesis/ HYDROCORTISONE, pharmacodynamics/ ORGAN CULTURE/ OXYGEN CONSUMPTION/ POLYRIBOSOMES, enzymology/ PROTEINS, biosynthesis/ RETINA, cytology/ RETINA, drug effects/ *RETINA, enzymology/ RNA, biosynthesis/ STAINS AND STAINING/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ TRITIUM

3788. **Schwartz U, Hammerstein J:** The estrogenic potency of ethinylestradiol and mestranol--a comparative study.
Acta Endocrinol [Suppl] (Kbh) 173:118, 1973
COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, pharmacodynamics/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDROCORTISONE, metabolism/ MESTRANOL, administration & dosage/ MESTRANOL, pharmacodynamics/ *MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ *TRANSCORTIN, metabolism

3789. **Schwartzkopff W:** Therapie der Hyperlipoproteinämine-Typen II a und II b mit Dextro-Thyroxin oder mit D,L-alpha-Methyl-Thyroxin-Athylester.
Verh Dtsch Ges Inn Med 78:1621-3, 1972 (Ger)
CHOLESTEROL, blood/ HUMAN/

HYPERCHOLESTEREMIA, drug therapy/ *HYPERLIPEMIA, drug therapy/ *LIPOPROTEINS, blood/ LIPOPROTEINS, LDL, blood/ THYROID HORMONES, therapeutic use/ *THYROXINE, therapeutic use/ TRIGLYCERIDES, blood

3790. **Schwarz V, Protiva J, Míčková R, et al:** Steroidní deriváty. LXXVI. Zjednodušená příprava kortexolonu.
Cesk Farm 22:231-3, Jun 73 **(Cze)**
CHEMISTRY, PHARMACEUTICAL/ ENGLISH ABSTRACT/ FLAVOBACTERIUM/ *HYDROCORTISONE, chem synthesis/ METHODS/ OXIDATION-REDUCTION

3791. **Schwarzberg H, Unger H, Schulz H:** Die Wirkung von Oxytozin auf das durch Na-Glutamat veränderte EEG des Kaninchens.
Acta Biol Med Ger 30:203-8, 1973 **(Ger)**
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BIOMETRY/ CONVULSIONS, chemically induced/ DRUG INTERACTIONS/ ELECTRODES, IMPLANTED/ *ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMATES/ GLUTAMATES, administration & dosage/ GLUTAMATES, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRATHECAL/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ RABBITS

3792. **Schwedes U, Usadel KH, Obert I, et al:** Morphologic testicular changes in rats after biopsy or puncture.
Acta Endocrinol [Suppl] (Kbh) 173:149, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BIOPSY, adverse effects/ *BIOPSY, NEEDLE, adverse effects/ COMPARATIVE STUDY/ LEYDIG CELLS/ MALE/ PUBERTY/ RATS/ SERTOLI CELLS/ TESTIS, pathology

3793. **Schwenke H, Schneider D:** Therapie und Diagnose (Zytohistomorphologie) der Panmyelopathien.
Z Gesamte Inn Med 28:Suppl 9:130-4, 1 May 73 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ BONE MARROW CELLS, transplantation/ *BONE MARROW DISEASES/ BONE MARROW DISEASES, chemically induced/ BONE MARROW DISEASES, diagnosis/ BONE MARROW DISEASES, drug therapy/ BONE MARROW DISEASES, immunology/ BONE MARROW DISEASES, pathology/ BONE MARROW DISEASES, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ SPLENECTOMY/ TESTOSTERONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

3794. **Schwieger AC:** Hyperkalaemic periodic paralysis associated with Addison's disease.
Proc Aust Assoc Neurol 9:63-6, 1973
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, immunology/ ADDISON'S DISEASE, urine/ ADRENAL CORTEX HORMONES, urine/ ADRENAL GLANDS, immunology/ ADULT/ AUTOANTIBODIES/ CORTICOTROPIN, diagnostic use/ ELECTROCARDIOGRAPHY/ HUMAN/ *HYPERKALEMIA, etiology/ MALE/ *PARALYSIS, etiology/ PERIODICITY

3795. **Schwille PO, Lindinger A, Sigel A, et al:** Urinnatrium, -kalium und -calcium bei Hypercalciurie und Hyperparathyreoidismus und ihre Beeinflussung durch Infusion von Calcium gluconicum.
Urologe [A] 12:158-61, Jul 73 **(Ger)**
ADULT/ CALCIUM, pharmacodynamics/ *CALCIUM, urine/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ FEMALE/ GLUCONATES, administration & dosage/ GLUCONATES, pharmacodynamics/ HUMAN/ *HYPERCALCEMIA, urine/ *HYPERPARATHYROIDISM, urine/ INFUSIONS, PARENTERAL/ MALE/ *POTASSIUM, urine/ *SODIUM, urine/ SYNDROME

3796. **Schwyzer R:** Mechanisms in the chemical syntheses of polypeptides and polynucleotides.
Ciba Found Symp 7:23-40, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANHYDRIDES/ CHEMISTRY/ DRUG STABILITY/ ESTERS/ HYDROLYSIS/ ISOMERISM/ KINETICS/ MODELS, CHEMICAL/ MODELS, STRUCTURAL/ *PEPTIDES, chem synthesis/ PHOSPHORIC ACIDS/ *POLYNUCLEOTIDES, chem synthesis/ REVIEW

3797. **Sciarra JJ:** Sterilization of women. A review of new and potentially reversible techniques.
Minn Med 56:469-73, Jun 73
FEMALE/ HUMAN/ HYSTERECTOMY/ METHODS/ OVARY, surgery/ *STERILITY, FEMALE/ STERILIZATION, TUBAL

3798. **Scoon V, Major PW:** The effect of pyridine nucleotide and cyclic AMP on the synthesis of progestational steroids in subcellular fractions of rabbit ovarian interstitial tissue. J Endocrinol 58:1, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIHYDROXYPROGESTERONE, biosynthesis/ FEMALE/ MICROSOMES, drug effects/ MITOCHONDRIA, drug effects/ *NAD, pharmacodynamics/ OVARY, cytology/ *OVARY, drug effects/ OVARY, metabolism/ *PROGESTERONE, biosynthesis/ RABBITS

3799. **Scott AP, Bennett HP, Lowry PJ, et al:** Characterization of corticotrophin-like intermediate lobe peptide from rat and pig pituitaries, and identification of alpha-melanocyte-stimulating hormone in the rat pituitary. J Endocrinol 58:xv, Jul 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, analysis/ *MSH, isolation & purification/ *PEPTIDES, analysis/ *PITUITARY GLAND, analysis/ RATS/ SWINE

3800. **Scott AP, Ratcliffe JG, Rees LH, et al:** Pituitary peptide. Nature [New Biol] 244:65-7, 18 Jul
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CARBOXYPEPTIDASES, metabolism/ CARCINOID TUMOR/ CORTICOTROPIN, analysis/ CORTICOTROPIN metabolism/ CYLINDROMA/ HUMAN/ MSH/ PEPTIDES, analysis/ PEPTIDES, biosynthesis/ *PEPTIDES, isolation & purification/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, enzymology/ RATS/ SWINE

3801. **Scott CI Jr, Thomas GH:** Genetic disorders associated with mental retardation. Clinical aspects.
Pediatr Clin North Am 20:121-40, Feb 73 (123 ref
AMINO ACID METABOLISM, INBORN ERRORS, complications/ CARBOHYDRATE METABOLISM, INBORN ERRORS, complications/ CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ CRYING CAT SYNDROME, etiology/ FEMALE/ HEREDITARY DISEASES, complications/ HUMAN/ KLINEFELTER'S SYNDROME, etiology/ LIPID METABOLISM, INBORN ERRORS, complications/ LYSOSOMES, enzymology/ MALE/ MENTAL RETARDATION, etiology/ *MENTAL RETARDATION, familial & genetic/ METABOLISM, INBORN ERRORS, complications/ METAL METABOLISM, INBORN ERRORS, complications/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, complications/ TRISOMY/ TURNER'S SYNDROME, etiology

3802. **Scott TW:** Lipid metabolism of spermatozoa.
J Reprod Fertil [Suppl] 18:65-76, Jul 73 (25 ref
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHOLESTEROL, analysis/ EJACULATION/ FATTY ACIDS, analysis/ GLYCERIDES, analysis/ HUMAN/ LIPIDS, biosynthesis/ *LIPIDS, metabolism/ LIPIDS, physiology/ MALE/ PHOSPHOLIPIDS, metabolism/ REVIEW/ SHEEP/ SPERMATOZOA, analysis/ *SPERMATOZOA,

metabolism/ TESTIS/ TRIGLYCERIDES, analysis

3. **Scott WA, Solomon B:** Cyclic 3',5'-AMP phosphodiesterase of Neurospora crassa. Biochem Biophys Res Commun 53:1024-30, 6 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CATIONS, DIVALENT/ CHROMATOGRAPHY, PAPER/ EDTA, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ KINETICS/ NEUROSPORA, enzymology/ NEUROSPORA CRASSA, drug effects/ NEUROSPORA CRASSA, enzymology/ PHOSPHATES, pharmacodynamics/ PHOSPHODIESTERASES, isolation & purification/ *PHOSPHODIESTERASES, metabolism/ SOLUBILITY/ THEOBROMINE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

. **Scriba PC:** Zirkadiane Corticoidtherapie. Med Klin 68:1171-2, 7 Sep 73 (Ger)
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ HUMAN/ TIME FACTORS

Scripnichenko DF: Lechenie ostrogo pankreatita. Khirurgiia (Mosk) 48:84-8, Nov 72 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIET THERAPY/ DRAINAGE/ ENGLISH ABSTRACT/ FEMALE/ *GANGLIONIC BLOCKADERS, therapeutic use/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ *PANCREATITIS, drug therapy/ PANCREATITIS, surgery/ PANCREATITIS, therapy/ PERITONEUM, surgery/ SEX FACTORS/ TAMPONS

Scriver CR: Familial hypophosphatemia: the dilemma of treatment. N Engl J Med 289:531-2, 6 Sep 73
DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ HYDROXYCHOLECALCIFEROL/ HYDROXYCHOLECALCIFEROL, therapeutic use/ *HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ HYPOPHOSPHATEMIA, FAMILIAL, familial & genetic/ HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ PHENOTYPE/ PHOSPHATES, administration & dosage/ *RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, familial & genetic/ STEROID HYDROXYLASES, metabolism/ VITAMIN D, administration & dosage/ VITAMIN D, metabolism/ *VITAMIN D, therapeutic use

Secord DC, Russell JC: A clinical laboratory study of conditioned mongrel dogs and Laborador retrievers. Lab Anim Sci 23:567-71, Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CHLORIDES, blood/ DOGS, metabolism/ *DOGS, physiology/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HISTAMINE, blood/ LACTATE DEHYDROGENASE, blood/ LACTATES, blood/ LEUKOCYTE COUNT/ MALE/ POTASSIUM, blood/ PYRUVATES, blood/ SEROTONIN, blood/ SODIUM, blood/ SPECIES SPECIFICITY

Sedel'nikova EA, Kliagina VP, Zhenodarova SM: Stupenchatyi sintez oligonukleotidov. Spetsifichnost' sinteticheskoi funktsii RNKazy Penicillium brevicompactum i struktura donora fosfata. Mol Biol 7:27-35, Jan-Feb 73 (Rus)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CHEMISTRY, ORGANIC/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ OLIGONUCLEOTIDES, biosynthesis/ *PENICILLIUM, enzymology/ *PHOSPHATES, analysis/ *POLYNUCLEOTIDES, biosynthesis/ *RIBONUCLEASE, biosynthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STRUCTURE-ACTIVITY RELATIONSHIP/ URACIL NUCLEOTIDES

3809. **Sedláček J:** Iontové změny v mozkové tkáni, cerebrospinálním moku a v krevní plazmě po intracerebrální aplikaci ouabainu u kuřecích embryí. Sb Lek 75:276-88, Sep 73 (Cze)
ANIMAL EXPERIMENTS/ *BLOOD, metabolism/ *BRAIN, metabolism/ CALCIUM, metabolism/ *CEREBROSPINAL FLUID, metabolism/ CHICK EMBRYO/ ENGLISH ABSTRACT/ INJECTIONS, INTRATHECAL/ *OUABAIN, administration & dosage/ POTASSIUM, metabolism/ SODIUM, metabolism

3810. **Sedlaczek L, Pajkowska H, Jaworski A, et al:** The role of energy metabolism in steroid bioconversion. Acta Microbiol Pol [B] 5:103-10, 1973
ANTIMYCIN A, pharmacodynamics/ ARSENIC, pharmacodynamics/ ASPERGILLUS, metabolism/ AZIDES, pharmacodynamics/ *BIOTRANSFORMATION/ BIOTRANSFORMATION, drug effects/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYANIDES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ELECTRON TRANSPORT, drug effects/ FUSARIUM, metabolism/ HYDROXYLATION/ MANOMETRY/ MONILIALES, metabolism/ MONOSPORIUM, metabolism/ OXIDATIVE PHOSPHORYLATION, drug effects/ *OXYGEN CONSUMPTION/ OXYGEN CONSUMPTION, drug effects/ *PREGNENES, metabolism/ SOIL MICROBIOLOGY/ TIME FACTORS

3811. **Seeber C, Beyer H, Körting HJ:** Interferenzmikroskopische Trockenmassebestimmungen an primären Strumazellen in Gewebekultur. 3. Effekt der Infektion mit Adeno-Virus Typ 5. Z Allg Mikrobiol 13:151-60, 1973 (Ger)
*ADENOVIRUS, growth & development/ ADENOVIRUS, isolation & purification/ CELL NUCLEOLUS/ CELL NUCLEUS/ CELL NUCLEUS, microbiology/ *CELLS, CULTURED, cytology/ CELLS, CULTURED, microbiology/ CYTOPATHOGENIC EFFECT, VIRAL/ CYTOPLASM/ FACTOR ANALYSIS, STATISTICAL/ GOITER/ HUMAN/ MICROSCOPY, INTERFERENCE/ SEROTYPING/ VIRUS REPLICATION

3812. **Seedat YK:** Treatment of systemic lupus erythematosus with renal insufficiency. Br Med J 3:237, 28 Jul 73
ADOLESCENCE/ ALBUMINURIA/ BLOOD CELL COUNT/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ *KIDNEY DISEASES, complications/ KIDNEY DISEASES, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *PREDNISONE, therapeutic use/ UREA, blood

3813. **Seeley RR, Hargrove JL, Johnson JM, et al:** Modulation of rabbit testicular contractions by prostaglandins, steroids and some pharmacological compounds. Prostaglandins 2:33-40, Jul 72
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *PREGNENOLONE, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ *TESTIS, drug effects/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

3814. **Seeliger H, Lemmen K, Maurer W, et al:** Changes in the adrenals of fetal and newborn rats after administration of glucocorticoids to the mother.
Acta Endocrinol [Suppl] (Kbh) 173:44, 1973
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, growth & development/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ *CORTICOSTERONE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PREGNANCY/ RATS

3815. **Seewald HJ, Holtzhauer R, Zschoche E, et al:** Klinische und hysterosalpingographische Befunde nach Interruptio.
Zentralbl Gynaekol 95:710-3, 25 May 73 **(Ger)**
*ABORTION, INDUCED, adverse effects/ ADNEXITIS, etiology/ ADULT/ CERVIX UTERI, injuries/ ENDOMETRITIS, etiology/ FEMALE/ FEVER, etiology/ FOLLOW-UP STUDIES/ GYNECOLOGIC NEOPLASMS, etiology/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MENSTRUATION DISORDERS/ PLACENTA DISORDERS, etiology/ POLYPS, etiology/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY

3816. **Segal SJ, Ige RO, Tuohimaa P, et al:** Progesterone-dependent messenger RNA: heterospecific activity in vivo.
Science 181:569-70, 10 Aug 73
ANIMAL EXPERIMENTS/ AVIDIN, biosynthesis/ CHICKENS/ FEMALE/ *OVALBUMIN, biosynthesis/ *OVIDUCTS, metabolism/ PIGEONS/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ RNA, MESSENGER, biosynthesis/ *RNA, MESSENGER, pharmacodynamics/ SPECIES SPECIFICITY/ STIMULATION, CHEMICAL/ TRANSLATION, GENETIC, drug effects

3817. **Segaloff A, Gabbard RB:** 14-Dehydro-19-nortestosterone and its 7 -methyl derivative.
Steroids 22:99-105, Jul 73
*ANDROSTENES, pharmacodynamics/ ANDROSTENOL, chem synthesis/ ANDROSTENOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHICKENS/ COMB AND WATTLES, drug effects/ COMPARATIVE STUDY/ DRUG SYNERGISM/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, pharmacodynamics/ MALE/ METHODS/ METHYLATION/ MUSCLES, drug effects/ NANDROLONE, chem synthesis/ *NANDROLONE, pharmacodynamics/ OPTICAL ROTATION/ PROSTATE, drug effects/ RATS/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE, pharmacodynamics

3818. **Seibold HR, Wolf RH:** Neoplasms and proliferative lesions in 1065 nonhuman primate necropsies.
Lab Anim Sci 23:533-9, Aug 73
ADENOCARCINOMA, veterinary/ ANIMAL EXPERIMENTS/ BABOONS/ CHIMPANZEES/ DUODENAL NEOPLASMS, veterinary/ FEMALE/ LEIOMYOMA, veterinary/ LIPOMA, veterinary/ LIVER NEOPLASMS, veterinary/ MACACA/ MALE/ MAXILLARY NEOPLASMS, veterinary/ MONKEY DISEASES/ MONKEYS/ NEMATODE INFECTIONS, veterinary/ *NEOPLASMS, veterinary/ OVARIAN NEOPLASMS, veterinary/ *PRIMATES/ STOMACH DISEASES, veterinary/ UTERINE NEOPLASMS, veterinary

3819. **Seidel A:** Distribution of 241Am in the rat as influenced by dose and the pH of the injection solution.
Int J Appl Radiat Isot 24:362-3, Jun 73
AMERICIUM, administration & dosage/ *AMERICIUM, metabolism/ ANIMAL EXPERIMENTS/ BODY BURDEN/ BONE AND BONES, metabolism/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ LIVER, metabolism/ LUNG, metabolism/ RATS/ SPLEEN, metabolism

3820. **Seidel D:** Advances in lipoprotein research. Biochemical and clinical aspects.
Nutr Metab 15:9-16, 1973
APOPROTEINS, blood/ ARTERIOSCLEROSIS, blood/ ARTERIOSCLEROSIS, etiology/ BLOOD PROTEIN DISORDERS, blood/ BLOOD PROTEIN DISORDERS, familial & genetic/ CARBOHYDRATES, analysis/ CHOLESTEROL, analysis/ CHYLOMICRONS, blood/ ESTERS, analysis/ HUMAN/ HYPERCHOLESTEREMIA, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ LIPOPROTEIN LIPASE, blood/ *LIPOPROTEINS/ LIPOPROTEINS, analysis/ LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ LIVER DISEASES, blood/ PHOSPHOLIPIDS, analysis/ PROTEINS, analysis/ RESEARCH/ REVIEW/ TRIGLYCERIDES, analysis

3821. **Seifert G:** Pathologische Anatomie der Cytomegalie
Klin Wochenschr 51:533-40, 1 Jun 73 (65 ref.) **(Ger**
ADRENAL GLANDS, pathology/ ADULT/ BILE DUCTS, pathology/ BRAIN, pathology/ CYTODIAGNOSIS/ *CYTOMEGALIC INCLUSION DISEASE, pathology/ CYTOMEGALOVIRUSES, pathogenicity/ ENCEPHALITIS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL SYSTEM, pathology/ HEPATITIS, pathology/ HEPATOMEGALY, pathology/ HUMAN/ INFANT/ KIDNEY TUBULES, PROXIMAL, pathology/ NEPHRITIS, INTERSTITIAL, pathology/ PANCREAS, pathology/ PAROTID GLAND, pathology/ PLACENTA, pathology/ PNEUMONIA, pathology/ PREGNANCY/ REVIEW/ THYROID GLAND, pathology

3822. **Seiki K, Hattori M:** In vivo uptake of progesterone i the hypothalamus and pituitary of the femal ovariectomized rat and its relationship to cytoplasm progesterone-binding protein.
Endocrinol Jap 20:111-9, Apr 73
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS/ CASTRATION/ CHROMATOGRAPHY/ CYTOPLASM, metabolism/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *OVARY, physiology/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ TRITIUM

3823. **Seiler ER:** Classification of skin diseases.
Br Med J 3:354, 11 Aug 73
BETAMETHASONE, adverse effects/ *BETAMETHASONE, therapeutic use/ HUMAN/ METHODS/ *SKIN DISEASES, classification/ SKIN DISEASES, drug therapy

3824. **Seiler KU, Wasserman O:** MAO-inhibitory properties anorectic drugs.
J Pharm Pharmacol 25:576-8, Jul
ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ CHLORPHENTERMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPERTENSION, PULMONARY, chemically induced/ HYPERTENSION, PULMONARY, enzymology/ IN VITRO/ IPRONIAZID, pharmacodynamics/ LUNG, enzymology/ METHYSERGIDE, pharmacodynamics/ MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE INHIBITORS/ OXAZOLES, pharmacodynamics/ PHENMETRAZINE, pharmacodynamics/ PHENTERMINE, pharmacodynamics/ RATS/ SEROTONIN, antagonists & inhibitors

3825. **Sejrsen P:** Cutaneous blood flow and tissue blo exchange.
Adv Biol Skin 12:191-205, 1972 (34 re
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL TRANSPORT/ CAPILLARIES/ CATS/ DIFFUSION/ HUMAN/ IN VITRO/ IODIDES, IODINE ISOTOPES/ ISOTOPE LABELING/ MATHEMATICS/ METHODS/

MICROINJECTIONS/ PINOCYTOSIS/ RADIOISOTOPES/ REGIONAL BLOOD FLOW/ REVIEW/ *SKIN, blood supply/ SKIN, metabolism/ SKIN ABSORPTION/ SODIUM ISOTOPES/ SOLUBILITY/ XENON

Seki K, Seki M: Double-antibody solid-phase radioimmunoassays for gonadotropins in serum.
Endocrinol Jap 20:121-7, Apr 73
FSH, blood/ GEL DIFFUSION TESTS/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ IODINE ISOTOPES/ LH, blood/ RADIOIMMUNOASSAY

Seki M, Akikusa K, Maeda HR: Relationship between the serum thyrotropin level and the responsiveness to gonadotropin therapy in anovulatory women.
Acta Obstet Gynaecol Jap 19:94-6, Apr 72
FEMALE/ *GONADOTROPINS, therapeutic use/ HUMAN/ *OVULATION/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, blood/ *STERILITY, FEMALE, drug therapy/ *THYROTROPIN, blood

Seki M, Maeda HR: Combined therapy with clomid and epimestrol.
Acta Obstet Gynaecol Jap 19:125-30, Apr 72
*CLOMIPHENE, administration & dosage/ *ESTRANES, administration & dosage/ ESTRANES, therapeutic use/ FEMALE/ *FERTILITY AGENTS, administration & dosage/ FERTILITY AGENTS, therapeutic use/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, therapeutic use/ METHYL ETHER, administration & dosage/ METHYL ETHER, therapeutic use/ *OVULATION/ *STERILITY, FEMALE, drug therapy

Sekigawa H, Ikeda M, Kato D: Altersunterschied der klein-rundlichen lymphoiden Zellinfiltration im perifokalen Herd des Schilddrüsenkrebses.
Yonago Acta Med 16:167-71, Feb 73 (Ger)
ADENOCARCINOMA, PAPILLARY, immunology/ *ADENOCARCINOMA, PAPILLARY, pathology/ ADULT/ ENGLISH ABSTRACT/ HUMAN/ IMMUNITY, CELLULAR/ *LYMPHOCYTES/ LYMPHOCYTES, immunology/ MIDDLE AGE/ THYROID NEOPLASMS, immunology/ *THYROID NEOPLASMS, pathology

Selbach H: Coffein, Kaffee, Kopfschmerz und Migräne. Med Klin 68:642-8, 11 May 73 (Ger)
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CAFFEINE/ CAFFEINE, adverse effects/ CAFFEINE, metabolism/ CAFFEINE, pharmacodynamics/ CAFFEINE, therapeutic use/ DRUG ADDICTION/ FEMALE/ GLUCOSE, metabolism/ *HEADACHE/ HEADACHE, chemically induced/ HEADACHE, complications/ HEADACHE, drug therapy/ HEADACHE, etiology/ HEMODYNAMICS, drug effects/ HUMAN/ HYPERTENSION, complications/ MALE/ *MIGRAINE/ MIGRAINE, drug therapy/ MIGRAINE, etiology/ MIGRAINE, physiopathology/ PREGNANCY/ RATS/ SYMPATHETIC NERVOUS SYSTEM, drug effects

Selby R, Pereira N: Intracranial neoplasms in Malaysia.
Int Surg 58:536-41, Aug 73
ADENOMA, occurrence/ ADOLESCENCE/ ADULT/ ANGIOSARCOMA, occurrence/ ATTITUDE TO HEALTH/ *BRAIN NEOPLASMS, occurrence/ CHILD/ CRANIOPHARYNGIOMA, occurrence/ EPENDYMOMA, occurrence/ ETHNIC GROUPS/ FEMALE/ GEOGRAPHY/ GLIOMA, occurrence/ HUMAN/ MALAYSIA/ MALE/ MENINGIOMA, occurrence/ NEOPLASM METASTASIS/ NEURILEMMOMA, occurrence/ PINEALOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SARCOMA, occurrence/ *SKULL NEOPLASMS, occurrence/ SOCIOECONOMIC FACTORS/ TIME FACTORS

3832. Sell JL, Davison KL: Changes in the activities of hepatic microsomal enzymes caused by DDT and dieldrin.
Fed Proc 32:2003-9, Sep 73
AMINOPYRINE N-DEMETHYLASE, metabolism/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ CYTOCHROME P-450, metabolism/ *DDT, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DIELDRIN, pharmacodynamics/ DUCKS/ ENZYME ACTIVATION, drug effects/ ESTRADIOL, metabolism/ HYDROXYLASES, metabolism/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ QUAIL/ SPECIES SPECIFICITY

3833. Semenova-Tian-Shanskaia, Knorre AG: Polovoĭ zachatok (gonoblast), ego proiskhozhdenie i evoliutsiia.
Arkh Anat Gistol Embriol 63:29-48, Aug 72 (56 ref.) (Rus)
AMPHIBIA, embryology/ ANIMAL EXPERIMENTS/ ANNELIDA, embryology/ ARTHROPODS, embryology/ ASCARIDIA, embryology/ BRACHIOPODA, embryology/ BRYOZOA, embryology/ CELL DIFFERENTIATION/ CHEMOTAXIS/ CHORDATA, embryology/ ECHINODERMATA, embryology/ ENGLISH ABSTRACT/ *EVOLUTION/ *GERM CELLS/ GERM CELLS, metabolism/ GONADS, blood supply/ GONADS, embryology/ GONADS, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ INSECTS/ LIZARDS, embryology/ MAMMALS, embryology/ MICE/ MOLLUSCA, embryology/ NEMATODA, embryology/ NOMENCLATURE/ REVIEW/ *SEX DETERMINATION

3834. Sempé M, Pédron G, Roy-Pernot MP: Le passage de l'enfance á l'adolescence. II. Une ětude séquentielle du děroulement de la puberté chez 49 filles.
Probl Actuels Endocrinol Nutr 16:9-71, 3 May 73 (Fre)
*ADOLESCENCE/ BODY HEIGHT/ BREAST, growth & development/ *CHILD/ FEMALE/ FINGERS/ HAIR/ HUMAN/ MENSTRUATION/ OSSIFICATION, PHYSIOLOGIC/ *PUBERTY/ SAMPLING STUDIES/ SEX CHARACTERISTICS/ STATISTICS

3835. Senay LC Jr: Body fluids and temperature responses of heat-exposed women before and after ovulation with and without rehydration.
J Physiol (Lond) 232:209-19, Jul 73
ADULT/ BLOOD PROTEINS, analysis/ BLOOD VOLUME/ *BODY FLUIDS, physiology/ *BODY TEMPERATURE REGULATION/ BODY WATER, physiology/ BODY WEIGHT/ *DEHYDRATION, physiopathology/ FEMALE/ HEAT, adverse effects/ HUMAN/ MALE/ *OVULATION/ SERUM ALBUMIN, analysis/ SERUM GLOBULINS, analysis/ SEX FACTORS/ SWEATING

3836. Senda K, Imaeda T: [Experimental and clinical evaluation of Thyopac-4 test and usefulness of the free thyroxine index derived from the test]
Clin Endocrinol (Tokyo) 21:323-9, Mar 73 (Jap)
COMPARATIVE STUDY/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN

3837. Seppälä M, Kajanoja P, Widholm O, et al: Prostaglandin-oxytocin abortion: a clinical trial of intra-amniotic prostaglandin F2alpha in combination with intravenous oxytocin.
Prostaglandins 2:311-9, Oct 72
*ABORTION, INDUCED/ AMNIOTIC FLUID/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS/ *OXYTOCIN, therapeutic use/ PARITY/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS

3838. Serban AM, Tasçă C: Actiunea clordelazinului asupra ovulatiei. (Cercetare experimentală.
Stud Cercet Endocrinol 24:283-9, 1973 (Rum)
ANIMAL EXPERIMENTS/ *CHLORPROMAZINE, pharmacodynamics/

ESTRUS, drug effects/ FERTILITY, drug effects/ *OVULATION, drug effects/ RATS

3839. **Serrano-Rios M, Ramos F, Vivanco F, et al:** La secrezione di insulina durante le prime fasi del diabete. Riassunto dell'esperienza degli autori. Minerva Med 64:2168-78, 2 Jun 73 (Ita)
ACROMEGALY, physiopathology/ ADOLESCENCE/ ADULT/ BODY WEIGHT/ DIABETES MELLITUS, diagnosis/ *DIABETES MELLITUS, physiopathology/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERINSULINISM, diagnosis/ *INSULIN, secretion/ MALE/ MIDDLE AGE/ OBESITY IN DIABETES, physiopathology/ PANCREAS, physiopathology/ PREDIABETIC STATE, diagnosis/ PREDIABETIC STATE, physiopathology/ TIME FACTORS/ TOLBUTAMIDE, diagnostic use

3840. **Seth HN, Roy S:** Idiopathic non-arteriosclerotic cerebral calcification (Fahr's disease)--a case report. Indian J Pathol Bacteriol 15:47-51, Apr 72
ADULT/ AUTOPSY/ BRAIN, pathology/ *CALCINOSIS, pathology/ CAPILLARIES, pathology/ *CEREBROVASCULAR DISORDERS, pathology/ FEMALE/ HUMAN/ *HYPERCALCEMIA, pathology/ LUNG, pathology/ *PARATHYROID DISEASES, pathology/ SYNDROME

3841. **Setoguti T:** Electron microscopic studies on the thyroid gland of larval salamanders Hynobius nebulosus during metamorphosis. Arch Histol Jap 35:377-93, Jul 73
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ LARVA/ *METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ *SALAMANDERS, anatomy & histology/ *THYROID GLAND, cytology

3842. **Settipane GA:** New concepts of pathogenic mechanisms in allergy. RI Med J 56:325-9 passim, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE MONOPHOSPHATE, metabolism/ ANAPHYLAXIS, metabolism/ ANAPHYLAXIS, physiopathology/ ASTHMA, drug therapy/ ASTHMA, familial & genetic/ ASTHMA, immunology/ ASTHMA, metabolism/ ASTHMA, physiopathology/ BEES/ BRONCHODILATOR AGENTS, therapeutic use/ FEEDBACK/ HAY FEVER, physiopathology/ HISTAMINE LIBERATION/ HUMAN/ *HYPERSENSITIVITY/ HYPERSENSITIVITY, familial & genetic/ HYPERSENSITIVITY, immunology/ INSECT BITES AND STINGS, physiopathology/ PROSTAGLANDINS, biosynthesis/ RECEPTORS, ADRENERGIC

3843. **Settnes OP:** Forsøg på vaccination mod Marek's disease (MD) med et dansk levende svaekket MD virus (CPRL II HP. Nord Vet Med 24:592-5, Nov 72 (Dan)
ANIMAL EXPERIMENTS/ BRACHIAL PLEXUS, pathology/ *CHICKENS/ ENGLISH ABSTRACT/ FEMALE/ LUMBOSACRAL PLEXUS, pathology/ MALE/ *MAREK'S DISEASE, prevention & control/ OVARY, pathology/ TESTIS, pathology/ VACCINES, ATTENUATED/ VAGUS NERVE, pathology/ *VIRAL VACCINES, therapeutic use

3844. **Seyler LE Jr, Reichlin S:** Luteinizing hormone-releasing factor (LRF) in plasma of postmenopausal women. J Clin Endocrinol Metab 37:197-203, Aug 73
ADULT/ AGED/ BIOLOGICAL ASSAY/ CLIMACTERIC/ FEMALE/ HUMAN/ *LH, blood/ MALE/ *MENOPAUSE/ MIDDLE AGE/ *PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY

3845. **Shafik A:** The cremasteric muscle. Role in varicocelogenesis and in thermoregulatory function of the testicle. Invest Urol 11:92-7, Sep 73
ADULT/ *BODY TEMPERATURE REGULATION/ CADAVER/ CHILD, PRESCHOOL/ HUMAN/ MALE/ MUSCLE CONTRACTION/ MUSCLES, pathology/ *MUSCLES, physiology/ MUSCLES, physiopathology/ ORGAN WEIGHT/ SPERMATIC CORD, blood supply/ TESTIS, anatomy & histology/ *TESTIS, physiology/ *VARICOCELE, etiology/ VARICOCELE, physiopathology/ VEINS/ VENOUS PRESSURE

3846. **Shafik A:** The dartos muscle. A study of its surgica anatomy and role in varicocelogenesis: a new concep of its thermoregulatory function. Invest Urol 11:98-100, Sep 73
ABDOMEN/ ADULT/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ CADAVER/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MUSCLE CONTRACTION/ *MUSCLES, anatomy & histology/ MUSCLES, physiology/ MUSCLES, physiopathology/ ORGAN WEIGHT/ *SCROTUM, anatomy & histology/ SCROTUM, physiology/ SPERMATIC CORD/ TESTIS, anatomy & histology/ *VARICOCELE, etiology/ VARICOCELE, physiopathology

3847. **Shah RM, Chaudhry AP:** Hydrocortisone-induced cle palate in hamsters. Teratology 7:191-4, Apr 7
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CLEFT PALATE, chemically induced/ CLEFT PALATE, occurrence/ CLEFT PALATE, pathology/ FEMALE/ FETUS/ HAMSTERS/ *HYDROCORTISONE, toxicity

3848. **Shah SS, Shah VM:** Myxedema associated with exophthalmos and digital clubbing. Indian J Med Sci 26:315-8, May 72
ADULT/ CASE REPORT/ *EXOPHTHALMOS, complications/ EXOSTOSES, MULTIPLE, complications/ HUMAN/ MALE/ *MYXEDEMA complications/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, complications

3849. **Shaikh AA, Birchall K, Saksena SK:** Steroids in th ovarian venous plasma and F prostaglandins in th peripheral plasma during pseudopregnancy and da 1-9 of pregnancy in the golden hamster. Prostaglandins 4:17-30, Jul 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HAMSTERS/ HYDROXYPROGESTERONE, blood/ *OVARY, blood supply/ OVARY, metabolism/ PREGNANCY/ *PROGESTATIONAL HORMONES, blood/ PROGESTERONE, blood/ *PROSTAGLANDINS, blood/ *PSEUDOPREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM/ VEINS

3850. **Shamugila LA:** Ob anastomozakh ven laichnikov vetviami voiotnoi veny. Akush Ginekol (Mosk) 48:32-5, Oct 72 (Ru
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE/ OVARY, blood supply/ *PORTAL VEIN, anatomy & histology/ RABBITS/ *VEINS, anatomy & histology

3851. **Shanfield I, Young RB, Hume DM:** True hermaphroditism with XX-XY mosaicism: report o case. J Pediatr 83:471-3, Sep 73
CHILD, PRESCHOOL/ *HERMAPHRODITISM, familial & genetic/ HERMAPHRODITISM, pathology/ HUMAN/ KARYOTYPING/ MALE/ *MOSAICISM/ OVARY, pathology/ TESTIS, pathology

3852. **Shani J, Furr BJ, Forsyth IA:** A re-examination of antigonadal effect of prolactin in the male fowl, Gal domesticus. J Reprod Fertil 34:167-70, Jul 7
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CHICKENS, physiology/ COM AND WATTLES, drug effects/ INJECTIONS, SUBCUTANEOUS/ MALE/ *PROLACTIN, pharmacodynamics/ *TESTIS, drug effects/ TESTIS, pathology/ TESTOSTERONE, blood

3853. **Shapiro S:** The pill, thromboembolism, and gallblad disease. Lancet 2:567, 8 Sep 73
ADULT/ AGE FACTORS/ *CONTRACEPTIV

ORAL, adverse effects/ FEMALE/ GALLBLADDER DISEASES, chem synthesis/ HUMAN/ THROMBOEMBOLISM, chemically induced

Shapiro SL: Thyroiditis.
Eye Ear Nose Throat Mon 52:261-4, Jul 73
FEMALE/ HUMAN/ MIDDLE AGE/ *THYROIDITIS

Sharma OP, Hewlett R, Gordonson J: Nodular sarcoidosis: an unusual radiographic appearance.
Chest 64:189-92, Aug 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BIOPSY/ COIN LESION, PULMONARY, radiography/ ERYTHEMA NODOSUM, diagnosis/ FEMALE/ HUMAN/ LUNG DISEASES, drug therapy/ LUNG DISEASES, immunology/ LUNG DISEASES, pathology/ *LUNG DISEASES, radiography/ LYMPH NODES/ MALE/ SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, immunology/ SARCOIDOSIS, pathology/ *SARCOIDOSIS, radiography/ SKIN TESTS

Sharma RK, Brush JS: Metabolic regulation of steroid steroidogenesis in isolated adrenal and adrenocortical carcinoma cells of rat. The incorporation of (20S)-20-(7- 3 H)hydroxycholesterol into deoxycorticosterone and corticosterone.
Arch Biochem Biophys 156:560-2, Jun 73
*ADRENAL GLAND NEOPLASMS, metabolism/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CARCINOMA, metabolism/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, biosynthesis/ *DESOXYCORTICOSTERONE, biosynthesis/ PREGNENOLONE, metabolism/ RATS/ TRITIUM

Sharoukhova KS, Savinova VF, Murav'eva NI, et al: Ekskretsiia estrogenov u bol'nykh khorionepiteliomoi matki.
Akush Ginekol (Mosk) 48:17-21, Oct 72 (Rus)
ADULT/ CHORIOCARCINOMA, therapy/ *CHORIOCARCINOMA, urine/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ MIDDLE AGE/ UTERINE NEOPLASMS, therapy/ *UTERINE NEOPLASMS, urine

Sharp GW, Hynie S, Ebel H, et al: Properties of adenylate cyclase in mucosal cells of the rabbit ileum and the effect of cholera toxin.
Biochim Biophys Acta 309:339-48, 6 Jun 73
ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CHOLERA, immunology/ *ENTEROTOXINS, pharmacodynamics/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ EPITHELIAL CELLS, drug effects/ EPITHELIAL CELLS, enzymology/ FLUORIDES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, enzymology/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ PYROPHOSPHATES, pharmacodynamics/ RABBITS/ TRITIUM/ *VIBRIO/ VIBRIO COMMA

Shashkov VS, Fedoseev VM, Gorelova NV, et al: O radiozashchitnoĭ aktivnosti nekotorykh novykh tiuronievykh proizvodnykh.
Radiobiologiia 13:123-7, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MICE/ *RADIATION INJURIES, EXPERIMENTAL, prevention & control/ *RADIATION-PROTECTIVE AGENTS, therapeutic use/ RADIATION-PROTECTIVE AGENTS, toxicity/ *THIOUREA, therapeutic use/ THIOUREA, toxicity

3860. **Shaw JE, Jessup SJ, Ramwell PW:** Prostaglandin--adenyl cyclase relationships.
Adv Cyclic Nucleotide Res 1:479-91, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHOLESTEROL, blood/ COLON, drug effects/ COLON, metabolism/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, UNSATURATED, metabolism/ GASTRIC JUICE, secretion/ GUINEA PIGS/ ILEUM, drug effects/ ILEUM, metabolism/ MALE/ ORGAN WEIGHT/ PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SEMINAL VESICLES, metabolism/ SEROTONIN, pharmacodynamics/ TIME FACTORS

3861. **Shcherbatiuk DI:** Izmenenie funktsii kory nadpochechnikov pri operativnykh vmeshatel'stvakh po povodu zlokashestuennykh novoobrazovaniĭ cheliustno-litsevoĭ lokalizatsii.
Stomatologiia (Mosk) 52:97-100, May-Jun 73 (Rus)
*ADRENAL GLANDS, physiopathology/ *FACIAL NEOPLASMS, surgery/ HUMAN/ *JAW NEOPLASMS, surgery/ *MOUTH NEOPLASMS, surgery

3862. **Shelburne JD, Arstila AU, Trump BF:** Studies on cellular autophagocytosis. Cyclic AMP- and dibutyryl cyclic AMP-stimulated autophagy in rat liver.
Am J Pathol 72:521-40, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, administration & dosage/ BUTYRATES, pharmacodynamics/ FEMALE/ GLUCAGON, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LIVER, cytology/ *LIVER, drug effects/ LIVER GLYCOGEN, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PHAGOCYTOSIS, drug effects/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ STAINS AND STAINING/ TIME FACTORS

3863. **Shellabarger CJ, Soo VA:** Effects of neonatally administered sex steroids on 7,12-dimethylbenz(a)anthracene-induced mammary neoplasia in rats.
Cancer Res 33:1567-9, Jul 73
ADENOCARCINOMA, chemically induced/ *ADENOCARCINOMA, prevention & control/ ADENOFIBROMA, chemically induced/ *ADENOFIBROMA, prevention & control/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZANTHRACENES/ COMPARATIVE STUDY/ CORPUS LUTEUM, drug effects/ *ESTRADIOL, pharmacodynamics/ ESTRADIOL, therapeutic use/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ LACTATION, drug effects/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, prevention & control/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use/ RATS/ TESTOSTERONE, therapeutic use

3864. **Shelley WB, Beerman H, Enterline HT:** Metastatic thyroid carcinoma.
JAMA 226:173-4, 8 Oct 73
*ADENOCARCINOMA, PAPILLARY, diagnosis/ ADENOCARCINOMA, PAPILLARY, pathology/ AXILLA/ BIOPSY/ HUMAN/ LUNG NEOPLASMS/ LUNG NEOPLASMS, pathology/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SCALP/ SKIN NEOPLASMS/ SKIN NEOPLASMS, pathology/ *THYROID NEOPLASMS, diagnosis

3865. **Sheppard H, Wiggan G, Tsien WH:** Structure-activity relationships for inhibitors of phosphodiesterase from erythrocytes and other tissues.
Adv Cyclic Nucleotide Res 1:103-12, 1972 (17 ref.)
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ ARTERIES, enzymology/

BENZYL COMPOUNDS, pharmacodynamics/ CAUDATE NUCLEUS, enzymology/ CEREBRAL CORTEX, enzymology/ DOGS/ DOPAMINE, pharmacodynamics/ *ERYTHROCYTES, enzymology/ ETHERS, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *IMIDAZOLES, pharmacodynamics/ MESENTERIC ARTERIES, enzymology/ METHYL ETHER, pharmacodynamics/ MUSCLE, SMOOTH, enzymology/ MYOCARDIUM, enzymology/ NOREPINEPHRINE, pharmacodynamics/ ORGAN SPECIFICITY/ PAPAVERINE, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, blood/ RATS/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ THEOPHYLLINE, pharmacodynamics/ TYRAMINE, pharmacodynamics/ VEINS, enzymology

3866. **Sherins RJ, DeVita VT Jr:** Effect of drug treatment for lymphoma on male reproductive capacity. Studies of men in remission after therapy.
Ann Intern Med 79:216-20, Aug 73
ADOLESCENCE/ ADULT/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BIOPSY/ *BURKITT'S LYMPHOMA, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ GERM CELLS, drug effects/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LIBIDO/ *LYMPHOSARCOMA, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ *SARCOMA, RETICULUM CELL, drug therapy/ SERTOLI CELLS/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, analysis/ TESTIS, pathology/ TIME FACTORS/ VINCRISTINE, therapeutic use

3867. **Sherwood OD, Birkhimer ML, Parkes DG:** The gonadotropin-primed rat: a model for testing agents that influence steroid biosynthesis.
Endocrinology 93:723-8, Sep 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CASTRATION/ ERGOT ALKALOIDS, pharmacodynamics/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ LH, blood/ METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ *OVARY, drug effects/ OVARY, physiology/ *PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, blood/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

3868. **Shevchuk IA, Mardar' AI:** Vliianie testosteron-propionata na uglevodnyi obmen, gistofiziologiiu podzheludochnoi zhelezy i soderzhanie v nei tsinka.
Probl Endokrinol (Mosk) 19:87-91, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ GLUCOSE, pharmacodynamics/ MALE/ PANCREAS, analysis/ PANCREAS, cytology/ *PANCREAS, drug effects/ PANCREAS, physiology/ POLAROGRAPHY/ PROPIONATES/ RATS/ STAINS AND STAINING/ *TESTOSTERONE, pharmacodynamics/ *ZINC, analysis

3869. **Shevchuk VI:** Gistoenzimokhimicheskoe issledovanie pecheni belykh krys s eksperimental'nym gipotireozom.
Probl Endokrinol (Mosk) 19:104-7, May-Jun 73 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BASAL METABOLISM, drug effects/ ELECTRON TRANSPORT/ ENGLISH ABSTRACT/ GLUTAMATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ *HYPOTHYROIDISM, enzymology/ ISOCITRATE DEHYDROGENASE, analysis/ KREBS CYCLE/ *LIVER, enzymology/ MALATE DEHYDROGENASE, analysis/ MAL METHYLTHIOURACIL, pharmacodynamics/ NADH, NADPH OXIDOREDUCTASES, analysi RATS/ SUCCINATE DEHYDROGENASE, analysis/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

3870. **Shida K, Shimazaki J, Urano E, et al:** [Re-evaluation anti-androgen therapy in prostatic cancer]
Clin Endocrinol (Tokyo) 21:391-400, Apr 73 (Ja
ANIMAL EXPERIMENTS/ *ESTROGENS, therapeutic use/ EVALUATION STUDIES/ HUMAN/ MALE/ *PROSTATIC NEOPLASMS drug therapy/ RATS

3871. **Shields RP, Whitehair CK:** Muscle creatine: in v depletion by feeding beta-guanidinopropionic ac
Can J Biochem 51:1046-9, Jul 73
ANIMAL EXPERIMENTS/ ANTIMETABOLITES, administration & dosag ANTIMETABOLITES, pharmacodynamics/ BINDING, COMPETITIVE/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ CREATINE, blood/ *CREATINE, metabolism/ CREATINE, urine/ CREATININE, urine/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GUANIDINES, administration & dosage/ *GUANIDINES, pharmacodynamics/ LACTATION/ MALE/ MUSCLES, drug effec *MUSCLES, metabolism/ PREGNANCY/ PROPIONATES, administration & dosage/ *PROPIONATES, pharmacodynamics/ RATS/ REPRODUCTION, drug effects/ TIME FACTORS/ WEANING

3872. **Shilgal T:** [Antinatriuretic effect of acute constrict of the thoracic inferior vena cava]
Jap J Nephrol 15:171-80, Mar 73 (J
ANIMAL EXPERIMENTS/ CONSTRICTION/ DOGS/ ENGLISH ABSTRACT/ MINERALOCORTICOIDS, pharmacodynamics/ *NATRIURESIS/ VASOPRESSIN, pharmacodynamics/ *VENA CAVA, INFERIO physiology

3873. **Shiino M, Rennels EG:** Ultrastructural observation gonadotrophin release in rats treated neonatally w testosterone. Tex Rep Biol Med 31:215-28, Summe
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ CORPUS LUTEUM/ ESTRUS, drug effects/ FEMALE *FSH, blood/ *GONADOTROPINS, PITUITA secretion/ *LH, blood/ MALE/ *OVARY, dr effects/ OVARY, transplantation/ PITUITAR GLAND, secretion/ RATS/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

3874. **Shikita M, Hall PF:** Cytochrome P-450 from bov adrenocortical mitochondria: an enzyme for the s chain cleavage of cholesterol. II. Subunit structu
J Biol Chem 248:5605-9, 25 Aug 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATI DENSITY GRADIENT/ *CHOLESTEROL/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYTOCHROME P-450/ CYTOCHROME P-450, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GUANIDINES/ MACROMOLECULAR SYSTEMS/ MAGNESIU *MITOCHONDRIA, enzymology/ MOLECULA WEIGHT/ MULTIENZYME COMPLEXES/ OSMOLAR CONCENTRATION/ OXIDOREDUCTASES/ POTASSIUM CHLORIDE/ SODIUM CHLORIDE/ SODIUM DODECYL SULFATE/ SULFATES/ ULTRACENTRIFUGATION

3875. **Shikita M, Hall PF:** Cytochrome P-450 from bov adrenocortical mitochondria: an enzyme for the chain cleavage of cholesterol. I. Purification properties. J Biol Chem 248:5598-604, 25 Aug
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL

EXPERIMENTS/ CARBON ISOTOPES/ CATALYSIS/ CATTLE/ *CHOLESTEROL/ CHOLIC ACID/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOCHROME P-450, analysis/ *CYTOCHROME P-450, isolation & purification/ DRUG STABILITY/ GEL FILTRATION/ GLYCERIN/ HEME, analysis/ KINETICS/ *MITOCHONDRIA, enzymology/ MOLECULAR WEIGHT/ *MULTIENZYME COMPLEXES, isolation & purification/ *OXIDOREDUCTASES, isolation & purification/ PHOSPHOLIPIDS, analysis/ PREGNENOLONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ ULTRACENTRIFUGATION

3876. Shimada K, Oshima S: Effect of thyroxine on nervous system in controlling chicken heart rate.
Gen Comp Endocrinol 21:196-201, Aug 73
ANIMAL EXPERIMENTS/ CHICKENS/ CIRCADIAN RHYTHM/ *HEART RATE, drug effects/ RABBITS/ TELEMETRY/ THYROTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ VAGOTOMY/ *VAGUS NERVE, physiology

3877. Shimazaki J, Oki Y, Koya A, et al: Inhibition of nuclear testosterone 5 alpha-reductase in rat ventral prostate by estrogens and anti-androgens.
Endocrinol Jap 19:585-8, Dec 72
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ *ESTRANES, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ KETONES, pharmacodynamics/ MALE/ *METHYLTESTOSTERONE, pharmacodynamics/ NORSTEROIDS, pharmacodynamics/ *OXIDOREDUCTASES, antagonists & inhibitors/ *PHENANTHRENES, pharmacodynamics/ *PROSTATE, enzymology/ RATS/ TESTOSTERONE

3878. Shimizu T, Mieno M, Yamashita K: Responses of the hypothalamic-pituitary-adrenal and -gonadal systems to head x-irradiation.
Tohoku J Exp Med 109:155-61, Feb 73
*ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ DOGS/ *HEAD, radiation effects/ 17-HYDROXYCORTICOSTEROIDS, secretion/ *HYPOTHALAMUS, physiology/ 17-KETOSTEROIDS, secretion/ MALE/ *PITUITARY GLAND, physiology/ RADIATION DOSAGE/ *RADIATION EFFECTS/ *TESTIS, physiology/ TESTIS, secretion

3879. Shimizu T, Shishiba Y, Yoshimura S, et al: A renewal attempt to compare the affinity of thyroxine-binding-globulin to thyroxine in normal and hyperthyroid sera. Endocrinol Jap 20:85-7, Feb 73
ADOLESCENCE/ ADULT/ CHARCOAL/ COMPARATIVE STUDY/ ELECTROPHORESIS, PAPER/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ MALE/ *SERUM GLOBULINS/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN

3880. Shimkin PM, Doppman JL, Pearson KD, et al: Anatomic considerations in parathyroid venous sampling.
Am J Roentgenol Radium Ther Nucl Med 118:654-62, Jul 73
ADENOMA, blood/ CATHETERIZATION/ JUGULAR VEIN, anatomy & histology/ MEDIASTINAL NEOPLASMS, blood/ NECK NEOPLASMS, blood/ PARATHYROID GLANDS, blood supply/ *PARATHYROID HORMONE, blood/ PHLEBOGRAPHY/ RADIOIMMUNOASSAY/ *THYROID GLAND, blood supply/ *VEINS, anatomy & histology

3881. Shimoda S, Tabei A, Isomura N, et al: [Mechanism of action of thyroid antagonists: with special reference to its relationship with concentration of inorganic iodine in the blood]
Clin Endocrinol (Tokyo) 21:509-12, May 73 (Jap)
ANIMAL EXPERIMENTS/ *IODINE, blood/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ RATS/ *THYROID ANTAGONISTS, pharmacodynamics

3882. Shimoda Y, Kitagawa T: Clinical and EEG studies on the emaciation (anorexia nervosa) due to disturbed function of the brain stem.
J Neural Transm 34:195-204, 1973
ADOLESCENCE/ ADULT/ AFFECTIVE DISTURBANCES, complications/ ANOREXIA NERVOSA, drug therapy/ ANOREXIA NERVOSA, etiology/ ANOREXIA NERVOSA, physiopathology/ *BRAIN, physiopathology/ CARBAMAZEPINE, therapeutic use/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MENSTRUATION DISORDERS, etiology/ TRANQUILIZING AGENTS, therapeutic use

3883. Shimosato S, Ooshi S: [Application of tissue culture to the study of ectopic hormone producing tumors]
Clin Endocrinol (Tokyo) 21:453-62, May 73 (29 ref.) (Jap)
CORTICOTROPIN, secretion/ GONADOTROPINS, secretion/ HORMONES, ECTOPIC, secretion/ HUMAN/ MICROSCOPY, ELECTRON/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ REVIEW/ TISSUE CULTURE

3884. Shimoyama M, Kitahara T, Sakano T, et al: [Clinical experience with procarbazine in malignant lymphomas--single and combination (VENP) therapy]
Jap J Clin Hematol 14:668-75, Jun 73 (Jap)
*ANTINEOPLASTIC AGENTS, administration & dosage/ *BENZOATES, administration & dosage/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOMA, drug therapy/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

3885. Shinada T: [Ovarian synthesis of steroid hormones and its periodic changes]
Clin Endocrinol (Tokyo) 21:495-502, May 73 (Jap)
*ANDROGENS, biosynthesis/ *ESTROGENS, biosynthesis/ FEMALE/ HUMAN/ *OVARY, metabolism/ PERIODICITY/ *PROGESTERONE, biosynthesis

3886. Shindarov L, Galabov A, Mitev G, et al: Antiviral effect of thiourea and urea derivatives in experimental foot-and-mouth disease.
Zentralbl Veterinaermed [B] 20:111-7, Mar 73
ANIMAL EXPERIMENTS/ *FOOT-AND-MOUTH DISEASE, drug therapy/ GUINEA PIGS/ *HYDROXYUREA, therapeutic use/ MICE/ *THIOUREA, therapeutic use

3887. Shire JG, Pantelouris EM: The adrenals and gonads of congenitally thymusless nude mice.
J Endocrinol 58:vii, Jul 73
*ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ *GONADS, physiopathology/ GRAFT VS HOST REACTION/ GROWTH DISORDERS, familial & genetic/ HOMOLOGOUS WASTING DISEASE/ IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ MICE/ MICE, INBRED STRAINS/ *THYMUS GLAND, abnormalities

3888. Shirley A, Stephenson J: Progestin production in vitro by rabbit granulosa cells as an assay for luteinizing hormone. J Endocrinol 58:345-6, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ FEMALE/ FSH, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ IN VITRO/ *LH, analysis/ LH, metabolism/ *OVARY, metabolism/ *PROGESTERONE, biosynthesis/ RABBITS/ RADIOIMMUNOASSAY

3889. Shobat DN: Leiomioma zheludka, simulirovavshaia kistu iaichnika. Klin Khir 12:51-2, Dec 72 (Rus)

DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *LEIOMYOMA, diagnosis/ MIDDLE AGE/ *OVARIAN CYSTS, diagnosis/ *STOMACH NEOPLASMS, diagnosis

3890. **Shoda T:** [Radioimmunoassay of estrogens] Folia Endocrinol Jap 49:1011-24, 20 Jul 73 **(Jap)**
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ CARRIER PROTEINS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ METHODS/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TESTS/ PUERPERIUM/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ TRITIUM

3891. **Shopsin B, Sathananthan G, Gershon S:** Plasma renin response to lithium in psychiatric patients.
Clin Pharmacol Ther 14:561-4, Jul-Aug 73
ALCOHOLISM, drug therapy/ ALDOSTERONE, metabolism/ DEPRESSION, drug therapy/ HUMAN/ LITHIUM, blood/ *LITHIUM, pharmacodynamics/ LITHIUM, therapeutic use/ MALE/ PLACEBOS/ *RENIN, blood/ SCHIZOPHRENIA, drug therapy/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

3892. **Shotemor Sh, Vladyka LA, Gas'maev VK:** Rentgenologicheskaia semiotika giperparatireoidnoĭ osteodistrofii.
Vestn Rentgenol Radiol 48:3-12, May-Jun 73 **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *BONE DISEASES, radiography/ BONE RESORPTION, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, radiography/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, radiography

3893. **Shotsu A, Takeuchi S, Katsumoto K, et al:** [Massive steroid administration during open heart surgery] Jap J Thorac Surg 26:340-5, May 73 **(Jap)**
*DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ *HEART SURGERY/ HUMAN

3894. **Shtun' FA, Marchenko GP:** Fosforno-kal'tsievyi obmen u molodniaka, porazhennogo fastsiolami.
Veterinariia 1:57, Jan 72 **(Rus)**
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CATTLE/ *CATTLE DISEASES, metabolism/ *FASCIOLIASIS, veterinary/ MALE/ *PHOSPHORUS, metabolism

3895. **Shukla KP, Memon GN:** Pregnant donkey's serum-induced ovulation in immature mice.
Indian J Exp Biol 10:451-2, Nov 72
ANIMAL EXPERIMENTS/ *BLOOD/ *ESTROGENIC SUBSTANCES, CONJUGATED/ FEMALE/ HORSES/ MICE/ *OVULATION/ PERISSODACTYLA/ PREGNANCY/ *PREGNANCY, ANIMAL

3896. **Shulman JJ, Merritt CG:** Contraceptive choice and cervical cytology.
Am J Obstet Gynecol 116:1079-87, 15 Aug 73
AGE FACTORS/ CERVIX DISEASES, etiology/ *CERVIX NEOPLASMS, etiology/ COITUS/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, adverse effects/ DEMOGRAPHY/ EDUCATIONAL STATUS/ ETHNIC GROUPS/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ PARITY/ PENNSYLVANIA/ SEX BEHAVIOR/ SOCIOECONOMIC FACTORS/ *VAGINAL SMEARS

3897. **Shuman DA, Miller JP, Scholten MB, et al:** Synthesis and biological activity of some purine 5'-thio-5'-deoxynucleoside 3',5'-cyclic phosphorothioates. Biochemistry 12:2781-6, 17 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, chem synthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BRAIN, drug effects/ BRAIN, enzymology/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ HYDROLYSIS/ *INOSINE NUCLEOTIDES, chem synthesis/ INOSINE NUCLEOTIDES, metabolism/ INOSINE NUCLEOTIDES, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, enzymology/ KINETICS/ NUCLEAR MAGNETIC RESONANCE/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ PROTEIN KINASE, metabolism/ RABBITS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFUR/ TRITIUM

3898. **Shumilina AI:** Sravnitel'nyi analiz elektricheskoĭ aktivnosti kory i podkorkovykh obrazovaniĭ golovnogo mozga v protsesse peredelki uslovnykh reaktsiĭ.
Zh Vyssh Nerv Deiat 23:6-14, Jan-Feb 73 **(Rus)**
ANIMAL EXPERIMENTS/ *BRAIN, physiology/ BRAIN STEM, physiology/ *CONDITIONING, CLASSICAL/ CUES/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ EVOKED POTENTIALS/ *EVOKED POTENTIALS/ FOOD/ HYPOTHALAMUS, physiology/ LIGHT/ *MOTIVATION/ MOTOR CORTEX, physiology/ OCCIPITAL LOBE, physiology/ PAIN/ RABBITS/ REINFORCEMENT (PSYCHOLOGY)/ RETICULAR FORMATION, physiology/ SOMATOSENSORY CORTEX, physiology/ TEMPORAL LOBE, physiology

3899. **Shurygin DIa, Petrov NS, Mazurov VI:** Somatoropna aktivnost' syvorotki krovi u bol'nykh leikozom
Vopr Onkol 19:13-7, 1973 **(Ru**
ANEMIA, blood/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEMAGGLUTINATION TESTS/ HUMAN/ INSULIN, pharmacodynamics/ IODINE ISOTOPES/ *LEUKEMIA, blood/ LEUKEMIA, LYMPHOCYTIC, blood/ LEUKEMIA, MYELOCYTIC, blood/ PITUITARY GLAND, analysis/ POLYCYTHEMIA, blood/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *SOMATOTROPIN, physiology/ VITAMIN B 12 DEFICIENCY, blood

3900. **Shutt DA, Smith ID, Shearman RP:** Changes in estrog levels in maternal venous plasma after intra-amnio infusion of prostaglandin F2 for therapeutic abortio
Prostaglandins 4:291-9, Aug 73
AMNION/ *ESTRADIOL, blood/ *ESTRIOL, blood/ *ESTRONE, blood/ FEMALE/ FLUOROMETRY/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ TIME FACTORS

3901. **Shyamala G:** Specific cytoplasmic glucocorticoi hormone receptors in lactating mammary glan
Biochemistry 12:3085-90, 31 Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENT BINDING, COMPETITIVE/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ *DEXAMETHASONE, metabolism/ FEMALE/ GEL FILTRATION/ GLUCOCORTICOIDS/ *HYDROCORTISONE, metabolism/ KINETICS/ *LACTATION/ MAMMAE, cytology/ MAMMAE, drug effects *MAMMAE, metabolism/ MICE/ MICE, INBRED BALB C/ PREGNANCY/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ STEROIDS, pharmacodynamics/ TIME FACTORS/ TRITIUM

3902. **Sica V, Nola E, Parikh I, et al:** Purification of oestrad receptors by affinity chromatography.
Nature [New Biol] 244:36-9, 11 Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ ESTRADIOL/ *ESTRADIOL, metabolism/ FEMALE/ POLYSACCHARIDES, PROTEIN BINDING/ *PROTEINS, isolation &

purification/ *RECEPTORS, HORMONE/ SUCCINATES/ TEMPERATURE/ TRITIUM/ *UTERUS, analysis/ UTERUS, metabolism

03. **Sica V, Parikh I, Nola E, et al:** Affinity chromatography and the purification of estrogen receptors.
J Biol Chem 248:6543-58, 25 Sep 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, analysis/ *ESTRADIOL/ FEMALE/ GEL FILTRATION/ ISOELECTRIC FOCUSING/ METHODS/ NANDROLONE/ POLYSACCHARIDES/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ SUCCINATES/ TRITIUM/ ULTRACENTRIFUGATION/ *UTERUS, analysis/ UTERUS, cytology

04. **Siddle K, Kane-Maguire B, Campbell AK:** The effects of glucagon and insulin on adenosine 3':5'-cyclic monophosphate concentrations in an organ culture of mature rat liver. Biochem J 132:765-73, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCAGON, administration & dosage/ *GLUCAGON, pharmacodynamics/ IMMUNE SERUMS/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICROPORE FILTERS/ ORGAN CULTURE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ TRITIUM

05. **Siebers JW, Vogel W, Hepp H, et al:** Structural aberrations of the Y chromosome and the corresponding phenotype. Report of a case with the karotype 45,X-46,X,i(Yp).
Humangenetik 19:57-66, 1973
ADULT/ CHROMOSOME MAPPING/ CYTOGENETICS/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ PHENOTYPE/ SEX CHROMOSOMES/ TESTIS, embryology/ TESTIS, growth & development/ *TURNER'S SYNDROME, pathology

06. **Siegler AM:** Laparoscopy in gynecology.
Am Fam Physician 8:70-7, Jul 73
ADNEXAL DISEASES, diagnosis/ AMENORRHEA, diagnosis/ ENDOMETRIOSIS, diagnosis/ FALLOPIAN TUBES/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ *LAPAROSCOPY/ LAPAROSCOPY, adverse effects/ LAPAROSCOPY, instrumentation/ METHODS/ OVARIAN CYSTS, diagnosis/ PREGNANCY/ PREGNANCY, TUBAL, diagnosis/ SALPINGITIS, diagnosis/ STERILITY, FEMALE, diagnosis/ STERILIZATION, TUBAL

07. **Sieroń G:** Badania nad wydalaniem niektórych hormonów i stanem morfo-chemicznym jajników u kobiet z mięśniakami macicy.
Ginekol Pol 43:507-11, Apr 72 (Pol)
ADULT/ COPPER, blood/ ESTROGENS, urine/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ KARYOTYPING/ *LEIOMYOMA/ LEIOMYOMA, etiology/ LEIOMYOMA, metabolism/ LEIOMYOMA, pathology/ LEIOMYOMA, physiopathology/ LH, urine/ MIDDLE AGE/ *OVARY/ OVARY, pathology/ OVARY, physiopathology/ *UTERINE NEOPLASMS/ UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, metabolism/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, physiopathology

08. **Silbergeld S, Noble EP:** Corticosteroids in psychiatric patients: subacute and diurnal effects on free fatty acid and catecholamine metabolism.
J Psychiatr Res 10:59-71, Jun 73
*CATECHOLAMINES, metabolism/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ *DEXAMETHASONE, pharmacodynamics/ EPINEPHRINE, urine/ *FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ *HYDROCORTISONE, blood/ MENTAL DISORDERS, blood/ *MENTAL DISORDERS, metabolism/ MENTAL DISORDERS, urine/ NOREPINEPHRINE, urine/ PLACEBOS

3909. **Silbermann M, Frommer J:** Dynamic changes in acid mucopolysaccharides during mineralization of the mandibular condylar cartilage.
Histochemie 36:185-92, 1973
ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, metabolism/ LYSOSOMES/ *MANDIBULAR CONDYLE, metabolism/ MICE/ *MUCOPOLYSACCHARIDES, metabolism

3910. **Silcox DC, McCarty DJ:** Measurement of inorganic pyrophosphate in biological fluids. Elevated levels in some patients with osteoarthritis, pseudogout, acromegaly, and uremia.
J Clin Invest 52:1863-70, Aug 73
*ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS, RHEUMATOID, blood/ BODY FLUIDS, analysis/ CHILD/ CHILD, PRESCHOOL/ *CHONDROCALCINOSIS, blood/ COLORIMETRY/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ *OSTEOARTHRITIS, blood/ PHOSPHORUS ISOTOPES/ PYROPHOSPHATASES, metabolism/ PYROPHOSPHATES, analysis/ *PYROPHOSPHATES, blood/ PYROPHOSPHATES, urine/ *UREMIA, blood

3911. **(Silink K), Schreiber V:** Zemřel doc. MUDr. Karel Silink, DrSc. Cas Lek Cesk 112:942, 27 Jul 73 (Cze)
CURRENT BIOG-OBIT/ CZECHOSLOVAKIA/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

3912. **Silink K, Soumar J, Němec J:** Occurrence and pathogenesis of childhood thyroid cancer.
Neoplasma 20:465-9, 1973
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ LUNG NEOPLASMS, diagnosis/ MALE/ MENTAL RETARDATION, complications/ NEOPLASM METASTASIS/ NEOPLASMS, RADIATION-INDUCED/ SEX FACTORS/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, familial & genetic

3913. **Silló-Seidl G:** Vergleichende Gonadotropinbehandlung der männlichen Infertilität.
Z Haut Geschlechtskr 48:405-10, 15 May 73 (Ger)
COMPARATIVE STUDY/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ 17-KETOSTEROIDS, analysis/ MALE/ MENOTROPINS, pharmacodynamics/ *MENOTROPINS, therapeutic use/ SPERM CAPACITATION, drug effects/ SPERMATOGENESIS, drug effects/ *STERILITY, MALE, drug therapy

3914. **Silis M, Schwartz A, Weg JG:** Conjugal histoplasmosis. A consequence of progressive dissemination in the index case after steroid therapy.
Ann Intern Med 79:221-4, Aug 73
ADULT/ AMPHOTERICIN B, therapeutic use/ BONE MARROW CELLS, microbiology/ COMPLEMENT FIXATION TESTS/ FEMALE/ HISTOPLASMA, isolation & purification/ HISTOPLASMOSIS, diagnosis/ HISTOPLASMOSIS, drug therapy/ HISTOPLASMOSIS, etiology/ *HISTOPLASMOSIS, familial & genetic/ HUMAN/ LEUKOCYTE COUNT/ LUNG DISEASES, FUNGAL, diagnosis/ LYMPH NODES/ MALE/ PENIS, microbiology/ PENIS, pathology/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ RECTUM, microbiology/ SARCOIDOSIS, drug therapy/ SKIN TESTS/ SPUTUM, microbiology/ *VENEREAL DISEASES, familial & genetic/ VULVA, pathology

3915. **Silny W, Wójtowicz M, Olszewska B:** Uporczywie

nawracający zespół Reitera.
Pol Tyg Lek 28:869-70, 4 Jun 73 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MALE/ RECURRENCE/ *REITER'S DISEASE, diagnosis/ REITER'S DISEASE, drug therapy

3916. **Silva OL, Becker KL:** Salmon calcitonin is effective in combating hypercalcemia.
Geriatrics 28:178 passim, Oct 73
DACTINOMYCIN, administration & dosage/ FUROSEMIDE, administration & dosage/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ ISOTONIC SOLUTIONS/ MITHRAMYCIN, administration & dosage/ SALMON/ SALTS, administration & dosage/ STEROIDS, adverse effects/ THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, therapeutic use

3917. **Silva OL, Becker KL, Primack A, et al:** Ectopic production of calcitonin. Lancet 2:317, 11 Aug 73
AGED/ *CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, OAT CELL, blood/ CARCINOMA, OAT CELL, drug therapy/ CARCINOMA, OAT CELL, metabolism/ CYCLOPHOSPHAMIDE, therapeutic use/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ *LUNG NEOPLASMS, blood/ *LUNG NEOPLASMS, metabolism/ MALE/ METHOTREXATE, therapeutic use/ RADIOIMMUNOASSAY/ THYROCALCITONIN, biosynthesis/ THYROCALCITONIN, blood

3918. **Silverberg DS, Ulan RA, Fawcett DM, et al:** Effects of chronic hemodialysis on thyroid function in chronic renal failure. Can Med Assoc J 109:282-6, 18 Aug 73
ADOLESCENCE/ ADULT/ AUTOANTIBODIES, analysis/ CHILD/ FEMALE/ *HEMODIALYSIS, adverse effects/ HEPARIN, pharmacodynamics/ HUMAN/ HYPERTHYROIDISM, etiology/ HYPOTHYROIDISM, etiology/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ *KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiopathology/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ *THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROTROPIN, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3919. **Silverman AJ, Vaala SS, Knigge KM:** Transport capacity of median eminence. IV. In vivo thyroxine transport. Neuroendocrinology 12:212-23, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CEREBRAL VENTRICLES, drug effects/ *CEREBRAL VENTRICLES, metabolism/ EPENDYMA, metabolism/ FEEDBACK/ IODINE ISOTOPES/ MALE/ METHIMAZOLE, pharmacodynamics/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ RESERPINE, pharmacodynamics/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ *THYROXINE, metabolism

3920. **Silverman EM, Reed RE:** The nitroblue tetrazolium test in lymphoma. Am J Clin Pathol 60:198-201, Aug 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/ *HODGKIN'S DISEASE, diagnosis/ HUMAN/ LYMPHOSARCOMA, complications/ *LYMPHOSARCOMA, diagnosis/ MALE/ MIDDLE AGE/ NEUTROPHILS, metabolism/ NITRO COMPOUNDS, diagnostic use/ PNEUMOCOCCAL INFECTIONS, complications/ PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use/ RECURRENCE/ REMISSION/ *SARCOMA, RETICULUM CELL, diagnosis/ SARCOMA, RETICULUM CELL, drug therapy/ SEPTICEMIA, complications/ SEPTICEMIA, diagnosis/ STAINS AND STAINING/ *TETRAZOLIUM SALTS, diagnostic use

3921. **Silverman R, Yalow RS:** Heterogeneity of parathyroid hormone. Clinical and physiologic implications.
J Clin Invest 52:1958-71, Aug 73
ADENOMA, blood/ ANIMAL EXPERIMENTS/ CARCINOMA, blood/ DOGS/ GEL FILTRATION/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, blood/ HYPOPARATHYROIDISM, blood/ IMMUNE SERUMS/ IODINE ISOTOPES/ PARATHYROID GLANDS/ *PARATHYROID GLANDS, analysis/ PARATHYROID HORMONE, administration & dosage/ *PARATHYROID HORMONE, analysis/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, secretion/ PARATHYROID NEOPLASMS, blood/ RADIOIMMUNOASSAY/ SECRETORY RATE/ SURGERY/ TISSUE EXTRACTS, analysis/ ULTRACENTRIFUGATION

3922. **Silvers WK, Yang SL:** Male specific antigen: homolog in mice and rats. Science 181:570-2, 10 Aug
ANIMAL EXPERIMENTS/ FEMALE/ *GENES GENOTYPE/ GRAFT REJECTION/ *HISTOCOMPATIBILITY ANTIGENS/ IMMUN TOLERANCE/ MALE/ *MICE, immunology/ MICE, INBRED C57BL/ PASSIVE TRANSFER *RATS, immunology/ *SEX CHROMOSOMES/ SEX FACTORS/ SKIN, transplantation/ SPECIES SPECIFICITY/ TRANSPLANTATION HOMOLOGOUS

3923. **Sim MK, Chatharaksri U:** Rat uterine contractility a the activities of uterine adenyl cyclase and phosphodiesterase during the estrus cycle. Biochem Pharmacol 22:1417-22, 15 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT metabolism/ *ADENYL CYCLASE, metabolism ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRUS/ FEMALE IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE PROTEINS, analysis/ *MUSCLE, SMOOTH, drug effects/ OXYTOCIN, administration & dosage/ OXYTOCIN, pharmacodynamics/ *PHOSPHODIESTERASES, metabolism/ RATS THEOPHYLLINE, pharmacodynamics/ UTERU drug effects/ *UTERUS, enzymology

3924. **Simard-Duquesne N, Dvornik D:** The effect of PGE1 ADP-induced aggregation in refractory platele Prostaglandins 3:457-60, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT pharmacodynamics/ *ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ DEPRESSION, CHEMICAL/ MALE/ *PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RA

3925. **Simionescu S, Bordeianu A, Stancu C, et al:** Recherc concernant l'influence de l'action pharmacodynamique non spécifique de l'hydroxyz dans le mécanisme d'équilibration des fonctio sexuelles. Rev Roum Physiol 10:289-98, 1973 (F
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ *GENITALIA, FEMALE, drug effects/ *HYDROXYZINE, pharmacodynamics/ OVARY, drug effects/ RATS/ UTERUS, drug effects

3926. **Simmons WH, Brecher AS:** Inactivation of melanocyte-stimulating hormone release-inhibit factor by a manganese-stimulated bovine br aminopeptidase. J Biol Chem 248:5780-4, 25 Aug
*AMINOPEPTIDASES/ AMINOPEPTIDASES, antagonists & inhibitors/ ANGIOTENSIN/ ANIMAL EXPERIMENTS/ BRADYKININ/ *BRAIN, enzymology/ CATTLE/ GLYCINE/ KIDNEY, enzymology/ LEUCINE/ LEUCINE AMINOPEPTIDASE/ LH/ *MANGANESE/ MSH/ OLIGOPEPTIDES/ OXYTOCIN/ PITUITARY HORMONE RELEASING FACTORS/ *PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PROLINE/ STRUCTURE-ACTIVI RELATIONSHIP/ SWINE/ THYROTROPIN RELEASING FACTOR/ VASOTOCIN

3927. **Simon EJ, Hiller JM, Edelman I:** Stereospecific bin

of the potent narcotic analgesic (3H) Etorphine to rat-brain homogenate.
Proc Natl Acad Sci USA 70:1947-9, Jul 73
ACETAMIDES, pharmacodynamics/ ALCOHOLS, AMYL, metabolism/ *ANALGESICS AND ANTIPYRETICS, metabolism/ ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES/ *BRAIN, metabolism/ ETHYLMALEIMIDE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ IN VITRO/ LEVORPHANOL, metabolism/ MALE/ MERCURIBENZOATES, pharmacodynamics/ METHADONE, metabolism/ MORPHINANS, metabolism/ *MORPHINANS, metabolism/ MORPHINE, metabolism/ NALORPHINE, metabolism/ NALOXONE, metabolism/ PHOSPHOLIPASE, pharmacodynamics/ PRONASE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ RECEPTORS, DRUG, drug effects/ TRITIUM/ TRYPSIN, pharmacodynamics

3928. **Simon O, Mertin J, Schmiedek P:** Disturbances of electrical activity of the brain induced by the spirolactone derivative potassium canrenoate.
Electroencephalogr Clin Neurophysiol 35:165-71, Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ADULT/ ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN EDEMA, drug therapy/ CORTICAL DESYNCHRONIZATION/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MULTIPLE SCLEROSIS, drug therapy/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use

3929. **Simonin R, Paulin B, Bernard PJ, et al:** Y a-t-il une augmentation de la clearance urinaire de l'iode dans les goitres pubertaires.
Probl Actuels Endocrinol Nutr 16:249-61, 3 May 73 (Fre)
ADULT/ FEMALE/ GOITER, familial & genetic/ *GOITER, metabolism/ HUMAN/ *IODINE, metabolism/ IODINE, urine/ IODINE ISOTOPES/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ *PUBERTY

3930. **Simonin R, Roux M, San Marco JL:** La mèthode des index thyroïdiens dans le diagnostic clinique des thyrotoxicoses.
Sem Hop Paris 49:1595-601, 8 May 73 (Fre)
ADULT/ AGED/ *DIAGNOSIS, COMPUTER ASSISTED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ THYROID GLAND FUNCTION TESTS

3931. **Simpson JG, Young RJ, Gray ES, et al:** The influence of pre-operative drug therapy on lymphoid tissue in patients with primary thyrotoxicosis.
J Pathol 109:p8, Jan 73
AGE FACTORS/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, surgery/ LYMPHOID TISSUE/ *PREOPERATIVE CARE/ PROPRANOLOL, therapeutic use/ THYMUS GLAND, drug effects/ THYROID GLAND, drug effects/ THYROID HORMONES

3932. **Simpson W, Young JR, Clark F:** Pseudofractures resembling stress fractures in Punjabi immigrants with osteomalacia. Clin Radiol 24:83-9, Jan 73
ADULT/ DIET, adverse effects/ EMIGRATION AND IMMIGRATION/ ENGLAND/ FEMALE/ FEMUR NECK, radiography/ *FRACTURES, complications/ FRACTURES, radiography/ HUMAN/ MALE/ METATARSUS, radiography/ *OSTEOMALACIA, complications/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, radiography/ PAKISTAN/ TIBIA, radiography

3933. **Sinadinović J, Jovanović M, Krainčanić M, et al:** The significance of iodine in the aggregation of subunits into thyroglobulin and in the formation of 27S iodoprotein. Acta Endocrinol (Kbh) 73:43-58, May 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ GUINEA PIGS/ *IODINE, pharmacodynamics/ IODINE ISOTOPES/ *IODOPROTEINS, biosynthesis/ MALE/ RABBITS/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ ULTRACENTRIFUGATION

3934. **Sinclair JD:** Medical research in a growing community.
NZ Med J 78:1-7, 11 Jul 73
ACCIDENTS, TRAFFIC, prevention & control/ DENTAL CARIES, occurrence/ FUTUROLOGY/ HEXAMETHONIUM COMPOUNDS, therapeutic use/ HYPERTENSION, drug therapy/ LONGEVITY/ NEW ZEALAND/ ORGANIZATION AND ADMINISTRATION/ PUBLIC OPINION/ *RESEARCH/ RESEARCH PERSONNEL/ RESEARCH SUPPORT/ SMOKING, prevention & control/ SOCIAL PROBLEMS/ SOIL/ THYROID DISEASES/ THYROTROPIN

3935. **Sinclair JG:** Antihistamine-monoamine oxidase inhibitor interaction in rabbits.
J Pharm Pharmacol 24:955-61, Dec 72
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BODY TEMPERATURE, drug effects/ DEATH/ DRUG INTERACTIONS/ ETHANOLAMINES, pharmacodynamics/ ETHYLENEDIAMINES, pharmacodynamics/ FEMALE/ *FEVER, chemically induced/ MALE/ *MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PHENOTHIAZINES, pharmacodynamics/ PIPERAZINES, pharmacodynamics/ PREMEDICATION/ RABBITS/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ TREMOR, chemically induced

3936. **Singer MA:** Transfer of anions across phospholipid membranes. Can J Physiol Pharmacol 51:523-31, Jul 73
ACETATES, metabolism/ ADSORPTION/ AMMONIUM COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, pharmacodynamics/ BENZOATES, metabolism/ BROMIDES, metabolism/ CHICKENS/ CHLORIDES, metabolism/ CHOLESTEROL, pharmacodynamics/ DRUG INTERACTIONS/ EGG YOLK/ FORMATES, metabolism/ IN VITRO/ IODIDES, metabolism/ LECITHINS, metabolism/ LIPOSOMES, metabolism/ MEMBRANES, drug effects/ *MEMBRANES, metabolism/ PERMEABILITY/ *PHOSPHOLIPIDS, metabolism/ PROPIONATES, metabolism/ RADIOISOTOPES/ SALICYLATES, metabolism/ THIOCYANATES, metabolism/ VALINOMYCIN, pharmacodynamics

3937. **Singh AK, Singh RK, Wahi RS, et al:** Endocrine & metabolic response to electric shock in rabbits. II. Changes in cortisone & insulin treated rabbits.
Indian J Exp Biol 10:412-4, Nov 72
*ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ *CORTISONE, pharmacodynamics/ *ELECTROSHOCK/ EPINEPHRINE, blood/ HYDROCORTISONE, blood/ *INSULIN, pharmacodynamics/ LIPIDS, metabolism/ RABBITS/ STRESS, blood/ *STRESS, physiopathology/ STRESS, prevention & control

3938. **Singh AK, Wahi RS, Singh RK, et al:** Endocrine & metabolic response to electric shock in rabbits. I. Normal sequences. Indian J Exp Biol 10:409-11, Nov 72
*ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ *ELECTROSHOCK/ EPINEPHRINE, blood/ HYDROCORTISONE, blood/ LIPIDS, blood/ RABBITS/ STRESS, blood/ *STRESS, physiopathology

3939. **Singh B, Samuel KC, Logani KB:** Histochemical studies of bone in experimental rachitic albino rats.
Indian J Pathol Bacteriol 15:56-61, Apr 72

ANIMAL EXPERIMENTS/ CALCIUM, therapeutic use/ FEMALE/ HISTOCYTOCHEMISTRY/ MALE/ *MUCOPOLYSACCHARIDES, analysis/ RATS/ RICKETS, drug therapy/ *RICKETS, metabolism/ TIBIA, analysis/ *TIBIA, metabolism/ VITAMIN D, therapeutic use

3940. **Singh D:** Comparison of behavioral deficits caused by lesions in septal and ventromedial hypothalamic areas of female rats.
J Comp Physiol Psychol 84:370-9, Aug 73
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ CONDITIONING, OPERANT/ DISCRIMINATION LEARNING/ DRINKING/ EATING/ ELECTROSHOCK/ EMOTIONS/ EXPLORATORY BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS, physiology/ RATS/ *REVERSAL LEARNING/ REWARD/ SATIATION/ *SEPTUM PELLUCIDUM, physiology/ TASTE

3941. **Singh P, McDevitt D, Mackay J, et al:** The pharmacological control of growth hormone release. Studies on the action of L-dopa and chlorpromazine in normal subjects and patients with Parkinsonism, acromegaly and delayed onset of puberty.
J Endocrinol 58:xii, Jul 73
*ACROMEGALY, physiopathology/ *CHLORPROMAZINE, pharmacodynamics/ *DOPA, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ *PARKINSONISM, physiopathology/ PUBERTY/ *SOMATOTROPIN, secretion

3942. **Singh U, Sebuwufu PH:** Prostaglandins and neurosecretion: a histochemical study.
East Afr Med J 50:199-206, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ NEURONS, cytology/ *NEUROSECRETION, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STAINS AND STAINING

3943. **Singhal RL, Lafreniere R, Ling GM:** Cerebrocortical adenyl cyclase activity following neonatal thyroid hormone deficiency. Int J Clin Pharmacol 8:1-4, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CEREBRAL CORTEX, enzymology/ ENZYME INDUCTION/ FLUORIDES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ THYROID GLAND, physiology/ THYROIDECTOMY

3944. **Sinha AK, Pathak S:** Distribution of constitutive heterochromatin in HeLa and HEp-2 cell lines.
Humangenetik 18:47-54, 23 Mar 73
ANEUPLOIDY/ CARCINOMA/ CELL LINE/ FEMALE/ GENETIC TECHNICS/ HELA CELLS/ *HETEROCHROMATIN/ HUMAN/ KARYOTYPING/ LARYNGEAL NEOPLASMS/ MALE/ MITOSIS/ SEX CHROMOSOMES/ STAINS AND STAINING

3945. **Sinniah R:** Adrenocortical function and skin pigmentation in idiopathic haemochromatosis.
Med J Aust 2:19-20, 7 Jul 73
ADULT/ AGED/ BIOPSY/ CORTICOTROPIN, diagnostic use/ FEMALE/ *GLUCOCORTICOIDS, urine/ *HEMOCHROMATOSIS, metabolism/ HEMOCHROMATOSIS, urine/ HEMOSIDERIN, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ MELANIN, analysis/ MIDDLE AGE/ *PIGMENTATION/ *SKIN, analysis

3946. **Sinniah R, O'Brien FV:** Pigmented progonoma in a dermoid cyst of the ovary. J Pathol 109:357-9, Apr 73
ADIPOSE TISSUE/ CARTILAGE/ CHILD/ *DERMOID CYST, pathology/ EPITHELIUM/ FEMALE/ HUMAN/ INCISOR/ MOLAR/ MUSCLE, SMOOTH/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ *OVARIAN NEOPLASMS, pathology/ PIGMENTATION/ SEBACEOUS GLANDS

3947. **Siperstein MD:** Diabetic microangiopathy: electron microscope findings in human muscle.
Adv Metab Disord 2:Suppl 2:349-55, 1973
ADULT/ BASEMENT MEMBRANE/ BIOPSY/ *CAPILLARIES, pathology/ *DIABETIC ANGIOPATHIES, pathology/ DIABETIC RETINOPATHY, pathology/ DWARFISM, PITUITARY, pathology/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ *MICROCIRCULATION/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *MUSCLES, pathology/ RETINAL VESSELS, pathology

3948. **Sirek OV, Brosnan ME, Sirek A:** Effect of hypophysectomy and growth hormone treatment on the composition of canine aorta.
Adv Metab Disord 2:Suppl 2:483-91, 1973
ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, metabolism/ *AORTA, metabolism/ AORTA, ABDOMINAL, metabolism/ AORTA, THORACIC, metabolism/ CHONDROITIN, metabolism/ COLLAGEN, metabolism/ DIABETIC ANGIOPATHIES, metabolism/ DIABETIC ANGIOPATHIES, therapy/ DNA, metabolism/ DOGS/ ELASTIN, metabolism/ HEPARIN, metabolism/ HYALURONIC ACID, metabolism/ *HYPOPHYSECTOMY/ MUCOPOLYSACCHARIDES, metabolism/ *SOMATOTROPIN, therapeutic use

3949. **Siró B, Misz M, Bazsó J:** Thromboelastographic studies in oral contraception.
Am J Obstet Gynecol 116:1167-8, 15 Aug 73
ADOLESCENCE/ ADULT/ BLOOD COAGULATION DISORDERS, chemically induced/ BLOOD COAGULATION DISORDERS, occurrence/ BLOOD COAGULATION FACTORS, analysis/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ HUNGARY/ *THROMBELASTOGRAPHY/ *THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, occurrence

3950. **Sirol J, Brottes H:** Le cancer thyroidien à strom amyloide. Première observation en Afrique francophone (Tchad.
Bull Soc Pathol Exot 65:900-5, Nov-Dec 72 (Fre
ADULT/ BIOPSY/ CARCINOMA, complications/ *CARCINOMA, occurrence/ CARCINOMA, pathology/ CHAD/ ENGLISH ABSTRACT/ HUMAN/ MALE/ NEUROFIBROMATOSIS, complications/ NEUROFIBROMATOSIS, familial & genetic/ SKIN NEOPLASMS, complications/ SKIN NEOPLASMS, familial & genetic/ SYNDROME THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology/ TIME FACTORS

3951. **Sixma JJ, Holmsen H, Trieschnigg AC:** Adenin nucleotide metabolism of blood platelets. 8. Transpor of adenine into human platelets.
Biochim Biophys Acta 298:460-8, 16 Mar 73
*ADENINE, blood/ ADENINE, metabolism/ ADENOSINE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANTIMETABOLITES, pharmacodynamics/ ANTIMYCIN A, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ *BLOOD PLATELETS, metabolism/ CYCLIC N-OXIDES pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS, PAPER/ ERYTHROCYTES, drug effects/ GLUCOSE, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPOXANTHINES, pharmacodynamics/ KINETICS/ PAPAVERINE pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ TRITIU

3952. **Skebel'skaia IuB, Altukhova VI, Nitishinskaia D** Vliianie rezerpina na gipotalamo-gipofizarno-nadpochechnikovuiu sistem krys v prenatal"nom i rannem postnatal'nom periodakh.

Probl Endokrinol (Mosk) 19:52-7, May-Jun 73 (Rus)
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, enzymology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ CHOLESTEROL, analysis/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, drug effects/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HYDROXYSTEROID DEHYDROGENASE, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, SUBCUTANEOUS/ LIPIDS, analysis/ LIVER, analysis/ OXIDOREDUCTASES, analysis/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PREGNANCY/ RATS/ *RESERPINE, pharmacodynamics/ TIME FACTORS/ TRANSFERASES, analysis/ UTERUS

53. **Sklovský A:** Klinické skúsenosti s mechanickou a hormonálnou antikoncepciou.
Bratisl Lek Listy 59:714-7, Jun 73 (Slo)
AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ DYSMENORRHEA, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ PREGNANCY/ PREGNANCY, UNWANTED

54. **Skolnick P, Huang M, Daly J, et al:** Accumulation of adenosine 3', 5'-monophosphate in incubated slices from discrete regions of squirrel monkey cerebral cortex: effect of norepinephrine, serotonin and adenosine. J Neurochem 21:237-40, Jul 73
ADENINE, metabolism/ *ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ AUDITORY CORTEX, drug effects/ AUDITORY CORTEX, metabolism/ CARBON ISOTOPES/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ DRUG SYNERGISM/ GYRUS CINGULI, drug effects/ GYRUS CINGULI, metabolism/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ MONKEYS/ *NOREPINEPHRINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ VISUAL CORTEX, drug effects/ VISUAL CORTEX, metabolism

955. **Skorkovský B:** RK-Test--Anwendung für die Diagnostik von Streptokokken des Gruppe.
Zentralbl Bakteriol [Orig A] 224:77-84, Jun 73 (Ger)
ANTIGENS, BACTERIAL/ *CULTURE MEDIA/ ENGLISH ABSTRACT/ MICROBIAL SENSITIVITY TESTS/ POTASSIUM/ SHEEP/ STREPTOCOCCAL INFECTIONS, diagnosis/ *STREPTOCOCCUS, classification/ THIAZOLES/ THIOCYANATES

956. **Skorkovský B:** Eine Modifibation des Rhodanidtests zur Differenzierung von Enterokokken--RM-Test.
Zentralbl Bakteriol [Orig A] 224:71-6, Jun 73 (Ger)
ANTIGENS, BACTERIAL/ BROMINE/ *CULTURE MEDIA/ DYES/ ENGLISH ABSTRACT/ MANNITOL/ METHODS/ MICROBIAL SENSITIVITY TESTS/ POTASSIUM/ STAINS AND STAINING/ STREPTOCOCCAL INFECTIONS, diagnosis/ *STREPTOCOCCUS, classification/ THIOCYANATES/ THYMOL

957. **Skosey JL, Damgaard E:** Effect of estradiol benzoate on the degradation of insoluble collagen of rat skin.
Endocrinology 93:311-5, Aug 73
ANIMAL EXPERIMENTS/ BIOPSY/ CARBON ISOTOPES/ *COLLAGEN, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HALF-LIFE/ HYDROXYPROLINE, metabolism/ PROLINE, metabolism/ RATS/ SKIN, drug effects/ *SKIN, metabolism

958. **Skvortsova NB, Polenov AL, Ugolev AM:** Gipotalamo-gipofizarnaia neĭrosekretornaia sistem (G.-G.N.S.) u koshek posle udaleniia i izoliatsii dvenadtsatiperstnoĭ kishki. O vozmozhnosti vliianiia intestinal'nykh gormonov na G.-G.N.S.
Dokl Akad Nauk SSSR 211:252-5, Jul-Aug 73 (Rus)
ANIMAL EXPERIMENTS/ CATS/ CELL NUCLEOLUS/ CELL NUCLEUS/ *DUODENUM, physiology/ *GASTROINTESTINAL HORMONES, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects

3959. **Slabý A, Horký K, Došková M, et al:** Ovlivnění plazmatické reninové aktivity beta-adrenergní blokádou.
Cas Lek Cesk 112:184-6, Feb 73 (Cze)
ADOLESCENCE/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ADULT/ BLOOD CIRCULATION, drug effects/ ENGLISH ABSTRACT/ HUMAN/ MALE/ POSTURE/ *PROPRANOLOL, pharmacodynamics/ *RENIN, blood/ RENIN, secretion/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ SYMPATHETIC NERVOUS SYSTEM, physiology

3960. **Slaga TJ, Krum AA:** Modification of rabbit adrenal steroid biosynthesis by prolonged ACTH administration. Endocrinology 93:517-26, Sep 73
ACETYLATION/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ CHROMATES/ CHROMATOGRAPHY, PAPER/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, biosynthesis/ 11-HYDROXYCORTICOSTEROIDS, biosynthesis/ *17-HYDROXYCORTICOSTEROIDS, biosynthesis/ MALE/ ORGAN WEIGHT/ OXIDATION-REDUCTION/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RABBITS/ TRITIUM

3961. **Slanina P, Tjälve H:** Accumulation of nicotine in pancreatic islets and calcitonin-producing cells in mice and chicks demonstrated by micro- and whole-body autoradiography.
J Endocrinol 58:21-30, Jul 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHICKENS/ IN VITRO/ *ISLANDS OF LANGERHANS, metabolism/ MALE/ MICE/ NICOTINE, analysis/ *NICOTINE, metabolism/ PANCREAS, metabolism/ PYRROLIDINONES, metabolism/ *THYROCALCITONIN, secretion/ *THYROID GLAND, metabolism/ TRITIUM/ *ULTIMOBRANCHIAL BODY, metabolism

3962. **Slanina P, Ullberg S, Hammarström L:** Distribution and placental transfer of 14C-thiourea and 14C-thiouracil in mice studied by whole-body autoradiography.
Acta Pharmacol Toxicol (Kbh) 32:358-68, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ DIGESTIVE SYSTEM, metabolism/ ENDOCRINE GLANDS, metabolism/ EYE, metabolism/ FEMALE/ FETUS, metabolism/ GONADS, metabolism/ LYMPHOID TISSUE, metabolism/ MALE/ MAMMAE, metabolism/ *MATERNAL-FETAL EXCHANGE/ MICE/ MUSCLES, metabolism/ PREGNANCY/ RESPIRATORY SYSTEM, metabolism/ THIOURACIL, blood/ *THIOURACIL, metabolism/ THIOUREA, blood/ *THIOUREA, metabolism/ THYROID GLAND, metabolism/ TIME FACTORS/ URINARY TRACT, metabolism

3963. **Slegers JF:** Alterations in sweat gland function produced by pharmacological agents.
Adv Biol Skin 12:477-93, 1972 (51 ref.)
ACETAZOLAMIDE, pharmacodynamics/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ CATS/ ELECTROLYTES/ HUMAN/ OSMOTIC PRESSURE/ REVIEW/ SODIUM CHLORIDE, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ SWEAT, metabolism/ *SWEAT GLANDS, drug effects/ SWEAT

GLANDS, physiology/ SWEAT GLANDS, secretion/ VASOPRESSIN, pharmacodynamics

3964. **Sliwowski A:** Postępy endokrynologii. Hormonalna regulacja syntezy biologicznie aktywnych metabolitów witaminy D (badania doświadczalne i problemy kliniczne.
Pol Arch Med Wewn 50:831-6, Aug 73 **(Pol)**
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHICKENS/ CHOLECALCIFEROL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYLASES, metabolism/ KIDNEY, enzymology/ KIDNEY, metabolism/ LIVER, metabolism/ *PARATHYROID HORMONE, physiology/ REVIEW/ *VITAMIN D/, VITAMIN D, metabolism/ VITAMIN D, physiology/ VITAMIN D DEFICIENCY, metabolism

3965. **Slomic A, Szöts F:** Rachitisme ostéomalacique sévère provoqué par des drogues antiépileptiques. Revue de la littérature à propos d'un cas.
Ann Radiol (Paris) 16:431-5, 1973 **(Fre)**
CHILD/ CHILD, PRESCHOOL/ *DIPHENYLHYDANTOIN, adverse effects/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *OSTEOMALACIA, chemically induced/ *PHENOBARBITAL, adverse effects/ *PRIMIDONE, adverse effects/ *RICKETS, chemically induced/ VITAMIN D, therapeutic use

3966. **Slotkin TA:** Maturation of the adrenal medulla. II. Content and properties of catecholamine storage vesicles of the rat.
Biochem Pharmacol 22:2033-44, 15 Aug 73
ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ ADRENAL MEDULLA, growth & development/ *ADRENAL MEDULLA, metabolism/ ADRENAL MEDULLA, secretion/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ DOPAMINE BETA HYDROXYLASE, metabolism/ IN VITRO/ INSULIN, pharmacodynamics/ RATS/ SUCROSE/ TIME FACTORS/ TRITIUM

3967. **Slotkin TA:** Maturation of the adrenal medulla. I. Uptake and storage of amines in isolated storage vesicles of the rat.
Biochem Pharmacol 22:2023-32, 15 Aug 73
ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, growth & development/ *ADRENAL MEDULLA, metabolism/ AGE FACTORS/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOLAMINES, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ EPINEPHRINE, metabolism/ IN VITRO/ MAGNESIUM, metabolism/ METARAMINOL, metabolism/ ORGAN WEIGHT/ RATS/ SUCROSE/ TRITIUM

3968. **Slupczyński S:** Samoistne pęknięcie olbrzymiej torbieli endometrialnej jajnika.
Pol Tyg Lek 28:868-9, 4 Jun 73 **(Pol)**
ADULT/ ENDOMETRIUM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN CYSTS/ OVARIAN CYSTS, pathology/ RUPTURE, SPONTANEOUS

3969. **Sluyser M:** Mechanism of action of cortisol in rat liver.
Biochem J 130:49P=-50P, Nov 72
ANIMAL EXPERIMENTS/ CHROMATIN/ HISTONES/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, drug effects/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ RNA, biosynthesis/ TRITIUM

3970. **Sly RM, Joseph F, Johnson CM:** Effect of exercise upon plasma cortisol and airway obstruction in asthmatic children. Ann Allergy 31:371-4, Aug 73
ADOLESCENCE/ *AIRWAY OBSTRUCTION, blood/ AIRWAY OBSTRUCTION, physiopathology/ *ASTHMA, blood/ ASTHMA, physiopathology/ CHILD/ *EXERTION/ FEMALE/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ SPECTROPHOTOMETRY/ SPIROMETRY

3971. **Smallwood JE, Sis RF:** Selective arteriography in the cat. Am J Vet Res 34:955-63, Jul 73
ABDOMEN, blood supply/ *ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ ARTERIOVENOUS ANASTOMOSIS, radiography/ AXILLARY ARTERY, radiography/ CAROTID ARTERIES, radiography/ CATHETERIZATION/ *CATS, anatomy & histology/ CELIAC ARTERY, radiography/ CORONARY VESSELS, radiography/ FEMALE/ MALE/ MESENTERIC ARTERIES, radiography/ OVARY, blood supply/ RENAL ARTERY, radiography/ VERTEBRAL ARTERY, radiography

3972. **Smart JL, Dobbing J, Adlard BP, et al:** Vulnerability of developing brain: relative effects of growth restriction during the fetal and suckling periods on behavior and brain composition of adult rats.
J Nutr 103:1327-38, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ *BRAIN/ BRAIN, embryology/ BRAIN, growth & development/ BRAIN, metabolism/ CEREBELLUM/ CHOLESTEROL, metabolism/ CONDITIONING, OPERANT/ DNA, metabolism/ FEMALE/ LACTATION/ MALE/ MATERNAL-FETAL EXCHANGE/ MOTOR ACTIVITY/ *NUTRITION DISORDERS/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS

3973. **Smialowski A:** Lateral hypothalamic nuclei in the macaque (Macaca mulatta) brain: myeloarchitectonics.
Acta Anat (Basel) 85:332-41, 1973
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS, cytology/ *MACACA, anatomy & histology/ MONKEYS/ NERVE FIBERS, MYELINATED/ *NEURONS/ OPTIC CHIASM, cytology

3974. **Smidt KP, Stewart RD:** In vitro thyroid function tests: a comparison of some commercially available kits.
NZ Med J 77:365-8, Jun 73
COMPARATIVE STUDY/ DEXTRAN/ HUMAN/ RESINS/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, diagnostic use

3975. **Smith AP, Booth M, Davey AJ:** A controlled trial of beclomethasone dipropionate for asthma.
Br J Dis Chest 67:208-14, Jul 73
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, blood/ ADULT/ *ASTHMA, drug therapy/ BECLOMETHASONE, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ CLINICAL RESEARCH/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ INHALATION THERAPY/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PLACEBOS/ RESPIRATORY AIRFLOW/ SPIROMETRY

3976. **Smith BG:** A new procedure for inducing fluorescence in quantitative thin-layer chromatography for organic compounds. J Chromatogr 82:95-100, 18 Jul 73
AMMONIUM SULFATE/ *ANDROSTANES, analysis/ CHOLESTEROL, analysis/ *CHROMATOGRAPHY, THIN LAYER/ *FATTY ACIDS, analysis/ *FLUORESCENCE/ *GLUCOSE, analysis/ INDICATORS AND REAGENTS/ OLEIC ACID, analysis/ *PHENYLALANINE, analysis/ PROPIONATES, analysis/ TRIOLEIN, analysis

3977. **Smith ER, Bowers CY, Davidson JM:** Circulating levels of plasma gonadotropins in 4- and 5-day cycling rats.
Endocrinology 93:756-8, Sep 73
ANIMAL EXPERIMENTS/ *ESTRUS/

FEMALE/ *FSH, blood/ *LH, blood/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS

3978. **Smith GW, Abel M, Nathanielsz PW:** Uterine sensitivity to prostaglandins in the pregnant rabbit: a method for testing the effect of previous administration of small doses of PGF2 for short periods. Prostaglandins 3:525-30, Apr 73
ANIMAL EXPERIMENTS/ AORTA/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ LABOR, INDUCED/ *MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PRESSURE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ RABBITS/ TIME FACTORS/ TRANSDUCERS/ *UTERUS, drug effects

3979. **Smith JE, Milch PO, Muto Y, et al:** The plasma transport and metabolism of retinoic acid in the rat. Biochem J 132:821-7, Apr 73
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FATTY ACIDS, UNSATURATED, blood/ GEL FILTRATION/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ ORGAN SPECIFICITY/ PROTEIN BINDING/ RATS/ SERUM ALBUMIN, metabolism/ TESTIS, metabolism/ TIME FACTORS/ *VITAMIN A, blood/ VITAMIN A, metabolism/ *VITAMIN A DEFICIENCY, blood/ VITAMIN A DEFICIENCY, metabolism

3980. **Smith PA, Walker RJ:** Studies on 5-hydroxytryptamine receptors of neurones from Hirudo medicinalis. Br J Pharmacol 47:633P-634P, Mar 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ CHLORIDES, pharmacodynamics/ DIBENZAZEPINES, pharmacodynamics/ IN VITRO/ *LEECHES/ *NEURONS, metabolism/ PYRAZINES, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ STRYCHNINE, pharmacodynamics

3981. **Smith RB:** Cocaine and catecholamine interaction. A review. Arch Otolaryngol 98:139-41, Aug 73 (16 ref.)
ADRENAL GLANDS, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ BIOLOGICAL TRANSPORT/ CATECHOLAMINES, administration & dosage/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CHEMISTRY/ CHILD, PRESCHOOL/ CHLORPROPAMIDE, pharmacodynamics/ COCAINE, administration & dosage/ COCAINE, adverse effects/ *COCAINE, pharmacodynamics/ DRUG INTERACTIONS/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, metabolism/ GUANETHIDINE, pharmacodynamics/ HUMAN/ MONOAMINE OXIDASE INHIBITORS/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ RESERPINE, pharmacodynamics/ REVIEW

3982. **Smith S:** Studies on the immunological cross-reactivity and physical properties of fatty acid synthetases. Arch Biochem Biophys 156:751-8, Jun 73
*ADIPOSE TISSUE, enzymology/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CROSS REACTIONS/ *FATTY ACID SYNTHETASE COMPLEX/ FATTY ACID SYNTHETASE COMPLEX, analysis/ FEMALE/ GEL DIFFUSION TESTS/ LACTATION/ *LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ *MAMMAE, enzymology/ MICE/ MOLECULAR WEIGHT/ PIGEONS/ PRECIPITIN TESTS/ RABBITS/ RABBITS, immunology/ RATS/ SPECIES SPECIFICITY/ ULTRACENTRIFUGATION

3983. **Smith WG, Kern BB:** The nature of the mutation in familial multiple polyposis: papillary carcinoma of the thyroid, brain tumors, and familial multiple polyposis. Dis Colon Rectum 16:264-71, Jul-Aug 73
ADULT/ BRAIN NEOPLASMS, familial & genetic/ *CARCINOMA, PAPILLARY, familial & genetic/ CARCINOMA, PAPILLARY, pathology/ *COLONIC NEOPLASMS, familial & genetic/ COLONIC NEOPLASMS, pathology/ FEMALE/ GENES, DOMINANT/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ INTESTINAL POLYPS, pathology/ *MUTATION/ PEDIGREE/ PHENOTYPE/ SIGMOIDOSCOPY/ SYNDROME/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, pathology

3984. **Smoczyński M:** Zespół hiponatremii dystrybucyjnej w przebiegu marskości watroby. Wiad Lek 26:1259-62, 1 Jul 73 (Pol)
ADULT/ BIOLOGICAL TRANSPORT, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPONATREMIA, drug therapy/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, metabolism/ MIDDLE AGE/ SYNDROME/ TRIAMCINOLONE, pharmacodynamics/ TRIAMCINOLONE, therapeutic use

3985. **Smythies JR:** Psychiatry and the neurosciences. Psychol Med 3:267-9, Aug 73
AMINOBUTYRIC ACID, metabolism/ AXOPLASMIC FLOW/ *BRAIN, metabolism/ DRUG ADDICTION/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ HUMAN/ *MENTAL DISORDERS/ NEURAL TRANSMISSION/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ REINFORCEMENT (PSYCHOLOGY)/ SEROTONIN, metabolism

3986. **Snart RS, Dalton T:** Thermal activation of the cyclic AMP stimulated sodium transport across isolated toad bladder and Na+-K+ ATPase in toad bladder homogenates. Experientia 28:1028-9, 15 Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ AMPHOTERICIN B, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ BLADDER, enzymology/ *BLADDER, metabolism/ BUFO MARINUS/ ENZYME ACTIVATION/ *HEAT/ IN VITRO/ POTASSIUM/ SODIUM/ *SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

3987. **Snell K, Walker DG:** Regulation of L-serine dehydratase in developing rat liver. Biochem J 130:75P-76P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGE FACTORS/ ANIMAL EXPERIMENTS/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ GLUCAGON, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ LIVER, growth & development/ RATS/ *SERINE DEHYDRATASE, metabolism

3988. **Snyder DL, Jaffe RB, Midgley AR Jr, et al:** Regulation of human gonadotropins. XI. Hormonal profiles in normal and infertile women treated with gonadotropins. Fertil Steril 24:706-14, Sep 73
BINDING, COMPETITIVE/ FEMALE/ FSH, blood/ GONADOTROPINS, blood/ *GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *HYDROXYPROGESTERONE, blood/ LH, blood/ MENSTRUATION/ OVULATION/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ STERILITY, FEMALE,

drug therapy/ *STERILITY, FEMALE, physiopathology

3989. **Snyder PJ, Jacobs LS, Utiger RD, et al:** Thyroid hormone inhibition of the prolactin response to thyrotropin-releasing hormone.
J Clin Invest 52:2324-9, Sep 73
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ *PROLACTIN, secretion/ *THYROID HORMONES, physiology/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, administration & dosage/ THYROXINE, blood/ THYROXINE, physiology/ TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, physiology

3990. **Snyder PJ, Utiger RD:** Repetitive administration of thyrotropin-releasing hormone results in small elevations of serum thyroid hormones and in marked inhibition of thyrotropin response.
J Clin Invest 52:2305-12, Sep 73
ADULT/ AGED/ FEMALE/ HUMAN/ HYPOPITUITARISM, blood/ HYPOTHYROIDISM, blood/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ PROLACTIN, blood/ SOMATOTROPIN, blood/ *THYROID HORMONES, blood/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

3991. **Sobel JD, Obedeanu N, Blank S, et al:** The nitroblue-tetrazolium test in the investigation of febrile patients. S Afr Med J 47:1407-9, 11 Aug 73
ANTIBIOTICS, therapeutic use/ *BACTERIAL INFECTIONS, diagnosis/ BACTERIAL INFECTIONS, drug therapy/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ *FEVER/ HUMAN/ LEUKOCYTES/ MALARIA, diagnosis/ PLASMODIUM VIVAX/ STEROIDS, therapeutic use/ *TETRAZOLIUM SALTS, diagnostic use

3992. **Sofia RD, Nalepa SD, Harakal JJ, et al:** Anti-edema and analgesic properties of delta9-tetrahydrocannabinol (THC). J Pharmacol Exp Ther 186:646-55, Sep 73
ABDOMEN, drug effects/ ACETIC ACIDS, antagonists & inhibitors/ ACETIC ACIDS, antagonists & inhibitors/ ACETIC ACIDS, pharmacodynamics/ ACETIC ACIDS, pharmacodynamics/ ADJUVANTS, IMMUNOLOGIC/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARTHRITIS, chemically induced/ ASPIRIN, pharmacodynamics/ *CANNABIS, pharmacodynamics/ CARRAGEENAN/ EDEMA, chemically induced/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, physiology/ PRESSURE/ RATS/ RATS, INBRED STRAINS/ TAIL, drug effects/ TETRAHYDROCANNABINOL, pharmacodynamics/ YEAST, DRIED, antagonists & inhibitors

3993. **Sokabe H, Oide H, Ogawa M, et al:** Plasma renin activity in Japanese eels (Anguilla japonica) adapted to seawater or in dehydration.
Gen Comp Endocrinol 21:160-7, Aug 73
ADAPTATION, PHYSIOLOGICAL/ ANGUILLA/ ANIMAL EXPERIMENTS/ *DEHYDRATION/ GLOMERULAR FILTRATION RATE/ *RENIN, blood/ SEAWATER/ URINE, analysis

3994. **Sokol RJ, Walker RS:** Beta-hemolytic streptococcus in a population of antepartum patients.
Obstet Gynecol 42:227-32, Aug 73
ABORTION, complications/ ABSCESS, etiology/ ADULT/ *CERVIX UTERI, microbiology/ ENDOMETRITIS, etiology/ FALLOPIAN TUBES/ FEMALE/ GONORRHEA, prevention & control/ HUMAN/ NEISSERIA GONORRHOEAE, isolation & purification/ OVARIAN DISEASES, etiology/ PENICILLIN, PHENOXYMETHYL, therapeutic use/ *PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, prevention & control/ PUERPERAL INFECTION, etiology/ STREPTOCOCCAL INFECTIONS, etiology/ STREPTOCOCCAL INFECTIONS, prevention & control/ *STREPTOCOCCUS, isolation & purification

3995. **Solaya M, Wolff E de, Spahr A:** Etude d'une population de déficients mentaux.
Rev Med Suisse Romande 92:959-71, Dec 72 (Fre)
ASPHYXIA NEONATORUM, complications/ BIRTH WEIGHT/ BRAIN DISEASES, complications/ CHILD/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ DELIVERY/ ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ JAUNDICE, NEONATAL, complications/ MATERNAL AGE/ *MENTAL RETARDATION/ MENTAL RETARDATION, etiology/ MENTAL RETARDATION, familial & genetic/ PREGNANCY/ PREGNANCY COMPLICATIONS/ SWITZERLAND

3996. **Soliman FA, Afiefy MM, Zaki K, et al:** Variations in thyroid status of the buffalo during the estrous cycle, pregnancy and in conditions of ovarian abnormalities.
Zentralbl Veterinaermed [A] 20:324-31, May 73
ANIMAL EXPERIMENTS/ *BUFFALOES/ ESTRUS/ FEMALE/ OVARIAN DISEASES, metabolism/ *OVARIAN DISEASES, veterinary/ PREGNANCY/ PREGNANCY, ANIMAL/ *THYROID GLAND, physiology

3997. **Solo AJ, Kapoor JN:** Ring D bridged steroid analogs. 11. The high Clauberg activity of 19-nor-14, 17-ethano-4-pregnene-3,20-dione.
J Med Chem 16:270-3, Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BRIDGED COMPOUNDS, chem synthesis/ BRIDGED COMPOUNDS, pharmacodynamics/ FEMALE/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, pharmacodynamics/ NORSTEROIDS, chem synthesis/ NORSTEROIDS, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ *PREGNENES, chem synthesis/ PREGNENES, pharmacodynamics/ PROGESTATIONAL HORMONES, chem synthesis/ PROGESTATIONAL HORMONES, pharmacodynamics/ RABBITS/ UTERUS, drug effects

3998. **Soloff MS, Swartz TL:** Characterization of a proposed oxytocin receptor in rat mammary gland.
J Biol Chem 248:6471-8, 25 Sep 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CATIONS, DIVALENT/ CATIONS, MONOVALENT/ CHROMATOGRAPHY, THIN LAYER/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ FEMALE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAMMAE, cytology/ MAMMAE, drug effects/ *MAMMAE, metabolism/ NEURAMINIDASE/ *OXYTOCIN, metabolism/ PHOSPHOLIPASE/ RATS/ *RECEPTORS, HORMONE/ RIBONUCLEOTIDES, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, metabolism/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ TRYPSIN/ ULTRACENTRIFUGATION

3999. **Solomon J, Mayer J:** The effect of adrenalectomy on the development of the obese-hyperglycemic syndrome in ob-ob mice. Endocrinology 93:510-2, Aug 73
*ADRENAL GLANDS, physiopathology/ *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/

BODY WEIGHT/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ *HYPERGLYCEMIA, physiopathology/ INSULIN RESISTANCE/ MALE/ MICE/ *OBESITY, physiopathology

0. **Solowiejczyk M, Lazarovitch I, Merimsky E, et al:** [Pseudocyst of the adrenal]
Harefuah 84:645-7, 15 Jun 73 (Heb)
*ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, surgery/ AGED/ *CYSTS, diagnosis/ CYSTS, surgery/ ENGLISH ABSTRACT/ HEMORRHAGE/ HUMAN/ MALE

1. **Soma H, Nagata T, Aoki T, et al:** [FDP levels in pregnancy and delivery with special reference to the placental lesions]
Acta Haematol Jap 35:642-5, Oct 72 (Jap)
ENGLISH ABSTRACT/ FEMALE/ *FIBRIN, metabolism/ *FIBRINOGEN, metabolism/ HUMAN/ *LABOR/ *PLACENTA DISORDERS, blood/ *PREGNANCY/ TIME FACTORS

2. **Somlyo AP, Somlyo AV, Smieško V:** Cyclic AMP and vascular smooth muscle.
Adv Cyclic Nucleotide Res 1:175-94, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ ARTERIES, metabolism/ ARTERIES, physiology/ BUTYRATES, pharmacodynamics/ DIBENAMINE, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ *MEMBRANE POTENTIALS, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ OLIGOMYCIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SODIUM, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3. **Sommer H, Quandt J:** Zur Wirkung eines Hirnhydrolysates auf zentral-nervöse Strukturen unter Berücksichtigung elektronenoptischer Ergebnisse. Eine tierexperimentelle Studie.
Schweiz Arch Neurol Neurochir Psychiatr 112:373-85, 1973 (Ger)
AMINO ACIDS, administration & dosage/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN/ *CEREBRAL CORTEX, cytology/ CEREBRAL CORTEX, drug effects/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RATS/ TISSUE EXTRACTS, administration & dosage/ *TISSUE EXTRACTS, pharmacodynamics

4. **Sondack DL:** Spectrophotometric determination of thyroxine iodine in thyroid preparations.
J Pharm Sci 62:1342-4, Aug 73
ANIMAL EXPERIMENTS/ ANOXIA, chemically induced/ GOITER, chemically induced/ IODINE, analysis/ MATHEMATICS/ MICE/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TABLETS, analysis/ TABLETS, ENTERIC-COATED, analysis/ THYROXINE/ *THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

5. **Sondergaard J, Helin P, Jorgensen HP:** Human cutaneous inflammation induced by prostaglandin E1.
J Pathol 109:239-43, Mar 73
BIOPSY/ CHONDROITIN, analysis/ EDEMA, chemically induced/ HUMAN/ HYALURONIC ACID, analysis/ *INFLAMMATION, chemically induced/ MUCOPOLYSACCHARIDES, analysis/ *PROSTAGLANDINS, toxicity/ SKIN, analysis/ *SKIN DISEASES, chemically induced/ SULFATES, analysis

6. **Sonka J, Křížek V, Gregorova I, et al:** Gout and dehydroepiandrosterone. I. DHEA excretion.
Endokrynol Pol 24:193-9, May-Jun 73
ADULT/ AGED/ *DEHYDROEPIANDROSTERONE, urine/ FEMALE/ *GOUT, urine/ HUMAN/ MALE/ MIDDLE AGE

4007. **Sonka J, Křížek V, Gregorová I, et al:** Gout and dehydroepiandrosterone. II. Plasma and urinary dehydroepiandrosterone correlated to some clinical and biochemical data.
Endokrynol Pol 24:201-8, May-Jun 73
AGE FACTORS/ AGED/ DEHYDROEPIANDROSTERONE, blood/ *DEHYDROEPIANDROSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, urine/ GOUT, blood/ *GOUT, metabolism/ GOUT, urine/ HUMAN/ MALE/ MIDDLE AGE

4008. **Sonka J, Křížek V, Gregorová I, et al:** Gout and dehydroepiandrosterone. 3. DHEA administration.
Endokrynol Pol 24:209-18, May-Jun 73
*DEHYDROEPIANDROSTERONE, administration & dosage/ DEHYDROEPIANDROSTERONE, therapeutic use/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *GOUT, drug therapy/ GOUT, enzymology/ HUMAN/ HYDROXYLASES, metabolism/ SULFATES, administration & dosage/ SULFATES, therapeutic use

4009. **Sorensen VW, Singh UB:** On mitochondrial inclusions in granulosa lutein cells of pregnant cows.
Experientia 29:592-3, 15 May 73
ANIMAL EXPERIMENTS/ CATTLE/ CELLULAR INCLUSIONS/ *CORPUS LUTEUM, cytology/ FEMALE/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA/ PREGNANCY/ *PREGNANCY, ANIMAL

4010. **Soria M, Huang AS:** Association of polyadenylic acid with messenger RNA of vesicular stomatitis virus.
J Mol Biol 77:449-55, 5 Jul 73
CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CYCLOHEXIMIDE, pharmacodynamics/ HAMSTERS/ HELA CELLS/ HUMAN/ OVARY/ POLIOVIRUS/ *POLYNUCLEOTIDES, analysis/ POLYRIBOSOMES, analysis/ RIBONUCLEASE/ *RNA, MESSENGER, analysis/ RNA, MESSENGER, biosynthesis/ *RNA, VIRAL, analysis/ RNA, VIRAL, biosynthesis/ TRANSLATION, GENETIC/ *VESICULAR STOMATITIS VIRUS, analysis/ VESICULAR STOMATITIS VIRUS, metabolism

4011. **Sośnik H:** Badania typologiczno-topometryczne ujścia żył jajnikowych i jądrowych wewnętrznych człowieka.
Pol Przegl Radiol 37:405-10, May-Jun 73 (Pol)
ADRENAL GLANDS, blood supply/ CADAVER/ ENGLISH ABSTRACT/ HUMAN/ *OVARY, blood supply/ RENAL VEINS, anatomy & histology/ SEX FACTORS/ *TESTIS, blood supply/ *VEINS, anatomy & histology/ VENA CAVA, INFERIOR, anatomy & histology

4012. **Sošovec V:** Perakútny priebeh anaplastickej rakoviny štítnej žlazy.
Vnitr Lek 19:706-8, Jul 73 (Slo)
ACUTE DISEASE/ AUTOPSY/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ RESPIRATORY INSUFFICIENCY, etiology/ RESPIRATORY INSUFFICIENCY, pathology/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ TIME FACTORS

4013. **Soudek D, Langmuir V, Stewart DJ:** Variation in the nonfluorescent segment of long Y chromosome.
Humangenetik 18:285-90, 1973
CELLS, CULTURED/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ LYMPHOCYTES/ MALE/ *MENTAL RETARDATION, familial & genetic/ MICROSCOPY, FLUORESCENCE/ ONTARIO/ *POLYMORPHISM (GENETICS)/ *SEX CHROMOSOMES

4014. **Souvatzoglou A, Metzger I, Kullak W, et al:** The functional significance of "episodic" LH secretion.
Acta Endocrinol [Suppl] (Kbh) 173:42, 1973
ADULT/ CHILD/ CIRCADIAN RHYTHM/ FEMALE/ GONADS, physiology/ HUMAN/ HYPOPHYSECTOMY/ HYPOTHALAMUS,

physiology/ *LH, blood/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiology/ PITUITARY NEOPLASMS, blood/ PUBERTY, PRECOCIOUS/ RADIOIMMUNOASSAY/ TIME FACTORS

4015. **Souvatzoglou A, Werder K von, Bottermann P:** The effect of intravenous L-dopa on growth hormone and luteinizing hormone levels in man.
Acta Endocrinol (Kbh) 73:259-65, Jun 73
ADOLESCENCE/ ADULT/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LH, blood/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL

4016. **Spahr A, Rossier J, Délèze G:** Deux cas de syndrome de Lyell (nécrolyse épidermique toxique) chez l'enfant.
Rev Med Suisse Romande 92:935-44, Dec 72 **(Fre)**
*ASPIRIN, adverse effects/ CHILD/ DRUG HYPERSENSITIVITY, complications/ *EPIDERMAL NECROLYSIS, TOXIC/ EPIDERMAL NECROLYSIS, TOXIC, drug therapy/ EPIDERMAL NECROLYSIS, TOXIC, etiology/ EPIDERMAL NECROLYSIS, TOXIC, pathology/ GAMMA GLOBULIN, therapeutic use/ HUMAN/ MALE/ *PENICILLIN, adverse effects/ PREDNISONE, therapeutic use/ TETRACYCLINE, therapeutic use

4017. **Spangenberg V, Tolckmitt W:** Uber den Einfluss von Glucose auf den Umsatz von L-Tryptophan beim Säugling.
Z Kinderheilkd 114:249-58, 1973 **(Ger)**
ENGLISH ABSTRACT/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ INJECTIONS, INTRAVENOUS/ PARENTERAL FEEDING/ TRYPTOPHAN, administration & dosage/ *TRYPTOPHAN, metabolism

4018. **Spath JA Jr, Gorczynski RJ, Lefer AM:** Possible mechanisms of the beneficial action of glucocorticoids in circulatory shock.
Surg Gynecol Obstet 137:597-607, Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ DOGS/ GLUCOCORTICOIDS, pharmacodynamics/ *GLUCOCORTICOIDS, therapeutic use/ GLUCURONIDASE, blood/ MESENTERIC ARTERIES, drug effects/ METHODS/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ *SHOCK, HEMORRHAGIC, drug therapy/ TIME FACTORS/ VASCULAR RESISTANCE, drug effects/ VASOCONSTRICTOR AGENTS, administration & dosage/ VASOCONSTRICTOR AGENTS, therapeutic use/ VASODILATOR AGENTS, pharmacodynamics

4019. **Spector S, Berkowitz B, Flynn EJ, et al:** Antibodies to morphine, barbiturates, and serotonin.
Pharmacol Rev 25:281-91, Jun 73 (34 ref.)
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY SPECIFICITY/ *BARBITURATES/ BARBITURATES, blood/ BINDING, COMPETITIVE/ CARBON ISOTOPES/ CATTLE/ DRUG TOLERANCE/ ENZYMES/ HUMAN/ MICE/ *MORPHINE/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ REVIEW/ *SEROTONIN/ TRITIUM/ TRYPTAMINES, metabolism

4020. **Speiser B, Rubin P, Casarett G:** Aspermia following lower truncal irradiation in Hodgkin's disease.
Cancer 32:692-8, Sep 73
ADOLESCENCE/ ADULT/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE/ *RADIATION INJURIES/ *RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ *SPERMATOGENESIS, radiation effects/ *STERILITY, MALE, etiology/ *TESTIS, radiation effects/ TIME FACTORS

4021. **Spellacy WN, Cohn JE:** Human placental lactogen levels and daily insulin requirements in patients with diabetes mellitus complicating pregnancy.
Obstet Gynecol 42:330-3, Sep 73
ADULT/ BLOOD SUGAR/ DIABETES MELLITUS, JUVENILE, drug therapy/ FEMALE/ GLUCOSE, urine/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, administration & dosage/ INSULIN, therapeutic use/ PLACENTAL HORMONES, biosynthesis/ PLACENTAL LACTOGEN, biosynthesis/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY IN DIABETES, drug therapy/ RADIOIMMUNOASSAY/ SOMATOTROPIN

4022. **Sperling H, Schwinger E:** Barr-Körperchen in Haarwurzelzellkernen nach Fluorescenz- und Diamantfuchsin-Färbung.
Humangenetik 18:181-2, 16 Apr 73 **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE/ *HAIR, cytology/ HUMAN/ MICROSCOPY, FLUORESCENCE/ *SEX CHROMATIN/ STAINS AND STAINING

4023. **Speroff L:** Toxemia of pregnancy. Mechanism and therapeutic management.
Am J Cardiol 32:582-91, 20 Sep 73 (67 ref.)
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BODY WEIGHT/ DEHYDROEPIANDROSTERONE, blood/ DELIVERY/ EDEMA, drug therapy/ FEMALE/ FETUS, physiology/ HUMAN/ ISCHEMIA, physiopathology/ KIDNEY DISEASES, etiology/ MAGNESIUM SULFATE, therapeutic use/ MATERNAL-FETAL EXCHANGE/ NUTRITION/ PLACENTA, blood supply/ PREGNANCY/ *PREGNANCY TOXEMIAS/ PREGNANCY TOXEMIAS, complications/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY TOXEMIAS, therapy/ PROSTAGLANDINS, blood/ RENIN, blood/ REVIEW/ UTERUS, blood supply

4024. **Speroff L:** An essay: prostaglandins and toxemia of pregnancy. Prostaglandins 3:721-8, May 73
ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ DOGS/ FEMALE/ HUMAN/ ISCHEMIA/ KIDNEY, metabolism/ KIDNEY, physiology/ NEPHRECTOMY/ PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TOXEMIAS, physiopathology/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, metabolism/ RABBITS/ REGIONAL BLOOD FLOW/ RENIN, blood/ UTERUS, blood supply/ UTERUS, metabolism

4025. **Spiegelman M, Bennett D:** A light- and electron-microscopic study of primordial germ cells in the early mouse embryo.
J Embryol Exp Morphol 30:97-118, Aug 73
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL MOVEMENT/ CELL NUCLEOLUS/ CELL NUCLEUS/ CHROMATIN/ CYTOPLASM/ *EMBRYO, cytology/ ENDOPLASMIC RETICULUM/ *GERM CELLS, cytology/ GESTATIONAL AGE/ GOLGI APPARATUS/ GONADS, embryology/ MESENTERY/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ POLYRIBOSOMES/ RIBOSOMES

4026. **Spies HG, Niswender GD:** Levels of serum LH in rhesus monkeys after intrapituitary infusion of synthetic LH-RH or median eminence extracts.
Endocrinology 93:814-21, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ FSH, blood/ *HYPOTHALAMUS/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ LH/ *LH, blood/ MACACA/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ SHEEP/ TIME FACTORS/ TISSUE EXTRACTS,

administration & dosage/ *TISSUE EXTRACTS, pharmacodynamics

7. **Spies HG, Norman RL:** Luteinizing hormone release and ovulation induced by the intraventricular infusion of prostaglandin E1 into pentobarbital-blocked rats.
Prostaglandins 4:131-41, Jul 73
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES/ ESTRUS, drug effects/ FEMALE/ INJECTIONS/ LH, blood/ *LH, secretion/ *OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

8. **Spilman CH, Finn AE, Norland JF:** Effect of prostaglandins on sperm transport and fertilization in the rabbit. Prostaglandins 4:57-64, Jul 73
ANIMAL EXPERIMENTS/ CELL MOVEMENT, drug effects/ FALLOPIAN TUBES/ FEMALE/ *FERTILIZATION, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ INSEMINATION, ARTIFICIAL/ LH, pharmacodynamics/ LIGATION/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *SPERMATOZOA, drug effects/ STIMULATION, CHEMICAL/ VAGINA

9. **Spilman CH, Harper MJ:** Effect of prostaglandins on oviduct motility in estrous rabbits.
Biol Reprod 9:36-45, Aug 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRUS, drug effects/ *FALLOPIAN TUBES, drug effects/ FEMALE/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MUSCLE CONTRACTION, drug effects/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS

10. **Spona J:** LH-RH interaction with the pituitary plasma membrane. FEBS Lett 34:24-6, 1 Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IODINE ISOTOPES/ KINETICS/ *LH/ LH, pharmacodynamics/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, metabolism/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PLACENTA/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROTEIN BINDING/ RATS/ TIME FACTORS/ ULTRAFILTRATION

11. **Srimal RC, Dhawan BN:** Pharmacology of diferuloyl methane (curcumin), a non-steroidal anti-inflammatory agent.
J Pharm Pharmacol 25:447-52, Jun 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENAL GLANDS, drug effects/ AMINOTRANSFERASES, blood/ ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, toxicity/ ARTHRITIS, chemically induced/ ARTHRITIS, drug therapy/ CARDIOVASCULAR SYSTEM, drug effects/ CARRAGEENAN/ *CATECHOL, pharmacodynamics/ CATS/ COTTON/ EDEMA, chemically induced/ EDEMA, drug therapy/ FORMALDEHYDE/ GRANULOMA, drug therapy/ KETONES, pharmacodynamics/ LIVER, enzymology/ MALE/ MICE/ PLANT EXTRACTS, pharmacodynamics/ QUINONES, antagonists & inhibitors/ RATS/ RESPIRATION, drug effects/ ULCER, chemically induced

4032. **Srivastava AK, Azhar S, Murti CR:** Stimulation of RNA synthesis in Cicer arietinum seedlings by cyclic 3':5' adenosine monophosphate.
FEBS Lett 33:239-40, 1 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ CHLORELLA/ DNA, biosynthesis/ INDOLEACETIC ACID, pharmacodynamics/ PLANT PROTEINS, biosynthesis/ PLANTS, drug effects/ *RNA, biosynthesis/ *SEEDS, metabolism/ THYMIDINE, metabolism/ TRITIUM/ URACIL, metabolism

4033. **Srivastava KC, Clausen J:** Extraction of prostaglandins E1, E2 and E3 from human seminal plasma.
Lipids 8:431-3, Jul 73
ACETIC ACIDS/ BENZENE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ EVALUATION STUDIES/ HUMAN/ MALE/ METHODS/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, isolation & purification/ *SEMEN, analysis/ SILVER NITRATE/ SOLUBILITY/ TIME FACTORS

4034. **Stabenfeldt GH, Hendrickx AG:** Progesterone levels in the Sooty mangabey (Cercocebus atys) during the menstrual cycle, pregnancy and parturition.
J Med Primatol 2:1-10, 1973
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *LABOR/ *MONKEYS, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ TIME FACTORS

4035. **Städtler F:** Die normale und gestörte praepuberale Hodenentwicklung des Menschen.
Veroeff Morphol Pathol 92:1-127, 1973 (Ger)
ADOLESCENCE/ ADRENAL GLANDS, growth & development/ BRAIN DAMAGE, CHRONIC, pathology/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, pathology/ DEATH, SUDDEN/ ENGLISH ABSTRACT/ GROWTH DISORDERS, complications/ HUMAN/ INFANT/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ PITUITARY GLAND, pathology/ PUBERTY, PRECOCIOUS, complications/ SPERMATOZOA/ TESTIS, abnormalities/ TESTIS, anatomy & histology/ TESTIS, cytology/ *TESTIS, growth & development/ TESTIS, pathology

4036. **Städtler F, Klemm W:** Quantitative und histologische Untersuchungen an der fetalen und mütterlichen Schilddrüse der Ratte unter Propylthiouracil.
Beitr Pathol 149:293-306, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOMETRY/ BODY WEIGHT, drug effects/ ENGLISH ABSTRACT/ FEMALE/ FETUS, drug effects/ MITOSIS, drug effects/ ORGAN WEIGHT/ PREGNANCY/ PROPYLTHIOURACIL, administration & dosage/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology

4037. **Stahl A, Carlon N:** Morphogenèse des cordons sexuels et signification de la zone médullaire de la gonade chez l'embryon de Poulet.
Acta Anat (Basel) 85:248-74, 1973 (Fre)
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CELL DIFFERENTIATION/ CELL DIVISION/ CELLS/ *CHICK EMBRYO, growth & development/ ENGLISH ABSTRACT/ EPITHELIUM/ FEMALE/ *GONADS, embryology/ HISTOCYTOCHEMISTRY/ INCUBATORS/ MALE/ OVARY, embryology/ TESTIS, embryology

4038. **Stahl NL, Teeslink CR, Greenblatt RB:** Ovarian, adrenal, and peripheral testosterone levels in the polycystic ovary syndrome.
Am J Obstet Gynecol 117:194-200, 15 Sep 73

ADOLESCENCE/ ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, metabolism/ ADULT/ ANDROGENS, secretion/ CATHETERIZATION/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, metabolism/ OVARY, blood supply/ *OVARY, metabolism/ *STEIN-LEVENTHAL SYNDROME, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ VEINS

4039. **Stahl P:** Comparative responses of hamster vas deferens and seminal vesicle to the effect of prostaglandins E1 and E2 on stimulation by epinephrine. Prostaglandins 2:491-500, Dec 72
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EJACULATION/ *EPINEPHRINE, pharmacodynamics/ HAMSTERS/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ *SEMINAL VESICLES, drug effects/ STIMULATION, CHEMICAL/ *VAS DEFERENS, drug effects

4040. **Stahl U, Jähne H:** Brunstsynchronisation bei Jungsauen mit TURISYNCHRON.
Arch Exp Veterinaermed 26:963-8, Dec 72 **(Ger)**
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION, drug effects/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYDRAZINES, pharmacodynamics/ SWINE/ *THIOUREA, pharmacodynamics/ TIME FACTORS

4041. **Stam AC Jr, Weglicki WB, Gertz EW, et al:** A calcium-stimulated, ouabain-inhibited ATPase in a myocardial fraction enriched with sarcolemma.
Biochim Biophys Acta 298:927-31, 16 Apr 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ DOGS/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ *OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ SARCOLEMMA, drug effects/ *SARCOLEMMA, enzymology/ SODIUM, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

4042. **Stamp TC, Round JM, Haddad JG:** Effect of oral vitamin D, 25-hydroxycholecalciferol (25-HCC) and whole-body ultra-violet irradiation on plasma 25-HCC levels in man. Clin Sci 44:3P-4P passim, Feb 73
ADMINISTRATION, ORAL/ HUMAN/ *HYDROXYCHOLECALCIFEROL, blood/ HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *ULTRAVIOLET RAYS/ VITAMIN D, administration & dosage/ *VITAMIN D, pharmacodynamics

4043. **Stanbury SW:** Vitamin-D deficiency in Asians.
Lancet 2:446, 25 Aug 73
ASIA/ HUMAN/ *PIGMENTATION/ *VITAMIN D DEFICIENCY, occurrence

4044. **Stankler L:** The effects of local corticosteroid withdrawal on the Koebner reaction in the inactive psoriatic patient. Br J Dermatol 89:212, Aug 73
DRUG WITHDRAWAL SYMPTOMS/ HUMAN/ INJECTIONS, INTRADERMAL/ *METHYLPREDNISOLONE, diagnostic use/ *PSORIASIS, diagnosis/ *SKIN, injuries

4045. **Stanton RE:** Response of benign mesenchymoma and stridor to corticosteroid.
Am J Dis Child 126:254-5, Aug 73
AXILLA/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, adverse effects/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MESENCHYMOMA, complications/ *MESENCHYMOMA, drug therapy/ MESENCHYMOMA, surgery/ NECK NEOPLASMS, complications/ *NECK NEOPLASMS, drug therapy/ NECK NEOPLASMS, pathology/ NECK NEOPLASMS, surgery/ OBESITY, chemically induced/ PAROTID NEOPLASMS, complications/ *PAROTID NEOPLASMS, drug therapy/ PAROTID NEOPLASMS, pathology/ PAROTID NEOPLASMS, surgery/ RESPIRATION/ *RESPIRATORY INSUFFICIENCY, drug therapy/ RESPIRATORY INSUFFICIENCY, etiology/ VOCAL CORD PARALYSIS, etiology

4046. **Stárka L, Motlík K, Schreiber V:** Effect of the antiandrogens cyproterone and cyproterone acetate on male rat adrenals.
Physiol Bohemoslov 21:233-8, May 72
ACETATES, pharmacodynamics/ ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CYPROTERONE, pharmacodynamics/ FEEDBACK/ HISTOCYTOCHEMISTRY/ MALE/ ORGAN WEIGHT/ *PREGNADIENES, pharmacodynamics/ PROTEIN BINDING/ RATS/ TRANSCORTIN, metabolism

4047. **Stárka L, Raboch J, Neuwirth J:** Hladiny plazmatického testosteronu u mužů bez zralých Leydigových buněk.
Cas Lek Cesk 112:166-72, Feb 73 **(Cze)**
ADULT/ ENGLISH ABSTRACT/ HUMAN/ HYPOGONADISM, blood/ *LEYDIG CELLS/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ *TESTOSTERONE, blood

4048. **Starzl TE, Francavilla A, Halgrimson CG, et al:** The origin, hormonal nature, and action of hepatotrophic substances in portal venous blood.
Surg Gynecol Obstet 137:179-99, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ DOGS/ *GLUCAGON, blood/ GLUCAGON, diagnostic use/ GLUCOKINASE, analysis/ GLYCOGEN PHOSPHORYLASE, analysis/ HYPERTROPHY, etiology/ HYPERTROPHY, pathology/ *INSULIN, blood/ LIPIDS, analysis/ LIVER, analysis/ LIVER, pathology/ *LIVER CIRCULATION/ LIVER GLYCOGEN, analysis/ PANCREAS, secretion/ PORTACAVAL ANASTOMOSIS/ PORTAL VEIN/ PROTEINS, analysis/ PROTEINS, biosynthesis/ TOLBUTAMIDE, diagnostic use/ TRIGLYCERIDES, analysis

4049. **Staś J:** Analiza polarograficzna frakcji białkowych surowicy krwi w przebiegu niektórych chorób wewnętrznych. Pol Tyg Lek 28:955-7, 18 Jul 73 **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ ALCOHOLISM, blood/ BLOOD DONORS/ *BLOOD PROTEINS, analysis/ CHILD/ FEMALE/ HUMAN/ LEUKEMIA, PLASMACYTIC, blood/ LIVER CIRRHOSIS, blood/ MALE/ MIDDLE AGE/ *POLAROGRAPHY/ POLAROGRAPHY, instrumentation/ PROTEIN DENATURATION/ PROTEIN-LOSING ENTEROPATHIES, blood/ RHEUMATISM, blood/ THYROID DISEASES, blood

4050. **Stauch GW, Sadony V, Göbbeler TH:** Das Gardner-Syndrom. Röntgenologischer und klinischer Beitrag.
Fortschr Geb Roentgenstr Nuklearmed 118:603-5, May 73 **(Ger)**
ADULT/ *BONE NEOPLASMS, complications/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ INTESTINAL POLYPS, radiography/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ *OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME, radiography/ *SKIN NEOPLASMS, complications/ SYNDROME

4051. **Stauffer M, Baylink D, Wergedal J, et al:** Decreased bone formation, mineralization, and enhanced resorption in calcium-deficient rats.
Am J Physiol 225:269-76, Aug 73

ANIMAL EXPERIMENTS/ *BONE DEVELOPMENT/ BONE MATRIX, growth & development/ *BONE RESORPTION/ CALCIUM, blood/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPOCALCEMIA, complications/ *HYPOCALCEMIA, physiopathology/ MALE/ PARATHYROID GLANDS, physiopathology/ PHOSPHORUS, blood/ RATS/ TETRACYCLINE, pharmacodynamics

52. **Steele MW, Migeon BR:** Sex differences in activity of glucose 6-phosphate dehydrogenase from cultured human fetal lung cells despite X-inactivation.
Biochem Genet 9:163-8, Jun 73
CELLS, CULTURED/ CLONE CELLS/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ FETUS/ FIBROBLASTS, enzymology/ FIBROBLASTS, metabolism/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ *LUNG, enzymology/ LUNG, metabolism/ MALE/ PHENOTYPE/ PREGNANCY/ *SEX CHROMOSOMES/ SEX FACTORS/ SKIN, enzymology/ SKIN, metabolism

53. **(Steenbock H), Schneider HA:** Harry Steenbock (1886-1967)--a biographical sketch.
J Nutr 103:1233-47, Sep 73
ANEMIA, history/ BIOCHEMISTRY, history/ FOOD IRRADIATION/ FOUNDATIONS, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NUTRITION/ RESEARCH/ ULTRAVIOLET RAYS/ UNITED STATES/ UNIVERSITIES/ VITAMIN A/ VITAMIN D/ WISCONSIN

54. **Steffensen DM:** Mapping genes for the ribosomal protein of Drosophila.
Nature [New Biol] 244:231-4, 22 Aug 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMOSOME MAPPING/ DENSITOMETRY/ *DROSOPHILA/ DROSOPHILA MELANOGASTER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *GENES, STRUCTURAL/ HYBRIDIZATION/ MALE/ PEPTIDES, analysis/ *PROTEINS, biosynthesis/ *RIBOSOMES, metabolism/ *SEX CHROMOSOMES/ VARIATION (GENETICS)

55. **Steiglieder GK:** Unerwünschte und unerwartete Wirkungen von Arzneien an der Haut.
Hautarzt 24:261-71, Jun 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ANTIBIOTICS, adverse effects/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ CHLORAMPHENICOL, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DERMATITIS, CONTACT, diagnosis/ DERMATITIS, CONTACT, etiology/ DERMATITIS, CONTACT, pathology/ DERMATITIS MEDICAMENTOSA, diagnosis/ DERMATITIS MEDICAMENTOSA, immunology/ DERMATOLOGIC AGENTS/ DRUG INTERACTIONS/ FEMALE/ HAIR, drug effects/ HUMAN/ MALE/ MELANOSIS, chemically induced/ NEOMYCIN, adverse effects/ PENICILLIN, metabolism/ PENICILLIN, pharmacodynamics/ SKIN, metabolism/ *SKIN DISEASES, chemically induced/ TETRACYCLINE, pharmacodynamics

56. **Stein E, Jackler I, Stimmel B, et al:** Asymptomatic electrocardiographic alterations in sarcoidosis.
Am Heart J 86:474-7, Oct 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ CHRONIC DISEASE/ DEATH, SUDDEN/ *ELECTROCARDIOGRAPHY/ FEMALE/ HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ MALE/ *MYOCARDIAL DISEASES, SECONDARY, diagnosis/ *SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology/ SEX FACTORS

4057. **Stein JJ:** Ovarian cancer.
J Ky Med Assoc 71:435-8, Jul 73
ADULT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy/ UNITED STATES

4058. **Stein KF, Kettyle CN:** Further data on the slit-lid mutant in mice and the effect of cortisone and doca on its development.
Teratology 8:51-4, Aug 73
ACETATES, administration & dosage/ ALLELES/ ANIMAL EXPERIMENTS/ CORNEA, abnormalities/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ *DESOXYCORTICOSTERONE, pharmacodynamics/ EYELIDS, abnormalities/ FEMALE/ GESTATIONAL AGE/ INJECTIONS, INTRAMUSCULAR/ MATERNAL-FETAL EXCHANGE/ MICE/ MICE, INBRED STRAINS/ *MUTATION, drug effects/ PHENOTYPE/ PREGNANCY/ TIME FACTORS

4059. **Stein RS, Colman RW:** Hemophilia with factor VIII inhibitor. Elimination of anamnestic response.
Ann Intern Med 79:84-7, Jul 73
ADOLESCENCE/ ANTIBODY FORMATION, drug effects/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ AUTOANTIBODIES/ CYCLOPHOSPHAMIDE, therapeutic use/ *FACTOR VIII, therapeutic use/ HEMARTHROSIS, drug therapy/ *HEMOPHILIA, drug therapy/ HEMOSTASIS/ HUMAN/ IMMUNOSUPPRESSION/ MALE/ PREDNISONE, therapeutic use/ THROMBOPLASTIN

4060. **Stein-Werblowsky R:** Penetration of spermatozoa into the uterine mucosa: a possible cause of infertility in the human.
Int J Fertil 18:74-80, 1973
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, pathology/ CORTISONE, pharmacodynamics/ EPITHELIUM, pathology/ FEMALE/ HISTOLOGICAL TECHNICS/ HUMAN/ INSEMINATION/ INSEMINATION, ARTIFICIAL/ MALE/ MUCOUS MEMBRANE, pathology/ PREGNANCY/ RATS/ *SPERMATOZOA/ *STERILITY, FEMALE, etiology/ TIME FACTORS/ *UTERUS, pathology

4061. **Steinberg D, Huttunen JK:** The role of cyclic AMP in activation of hormone-sensitive lipase of adipose tissue.
Adv Cyclic Nucleotide Res 1:47-62, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ BINDING SITES/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ DRUG STABILITY/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ GLYCERIDES, metabolism/ KINETICS/ LIPASE, isolation & purification/ *LIPASE, metabolism/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ MULTIENZYME COMPLEXES/ MUSCLES, enzymology/ POLYSACCHARIDES/ PROTEIN BINDING/ PROTEIN KINASE, pharmacodynamics/ RABBITS/ TIME FACTORS/ TRIGLYCERIDES, metabolism

4062. **Steiner AL:** Application of competitive ligand-binding radioassays to the nucleotides.
Metabolism 22:1139-44, Aug 73 (39 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ANIMAL EXPERIMENTS/ CATTLE/ GOATS, immunology/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ IODINE ISOTOPES/ LOBSTERS/ MUSCLES/ PROTEIN BINDING/ RABBITS, immunology/ RADIOLIGAND ASSAY/ RATS/ REVIEW/ TRITIUM

4063. **Steiner AL:** Radioimmunoassay for the cyclic nucleotides. Pharmacol Rev 25:309-13, Jun 73 (16 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENYL CYCLASE, metabolism/ ANTIGENS/ CYCLIZATION/ ESTERS, chem synthesis/ FREEZING/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANYL CYCLASE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNOCHEMISTRY/ IODINE ISOTOPES/ *NUCLEOTIDES, analysis/ NUCLEOTIDES, chem synthesis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ REVIEW/ SUCCINATES/ TRICHLOROACETIC ACID/ TRITIUM/ TYROSINE

4064. **Steinert HR, Holtzman SG, Jewett RE:** Some agonistic actions of the morphone antagonist levallorphan on behavior and brain monoamines in the rat.
Psychopharmacologia 31:35-48, 4 Jul 73
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN CHEMISTRY, drug effects/ CONDITIONING, OPERANT, drug effects/ DOPAMINE, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ANTAGONISM/ LEVALLORPHAN, antagonists & inhibitors/ *LEVALLORPHAN, pharmacodynamics/ MALE/ MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ NOREPINEPHRINE, analysis/ RATS/ SEROTONIN, analysis

4065. **Steinitz R, Costin C:** Investigation on the epidemiological significance of detailed cancer data--preliminary results.
Recent Results Cancer Res 39:7-28, 1972
AGED/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, occurrence/ CARCINOMA, occurrence/ CARCINOMA, DUCTAL, occurrence/ CARCINOMA, EPIDERMOID, occurrence/ CARCINOMA, MUCINOUS, occurrence/ CARCINOMA, PAPILLARY, occurrence/ CELL DIFFERENTIATION/ CYSTOSARCOMA PHYLLODES, occurrence/ ETHNIC GROUPS/ FEMALE/ HUMAN/ ISRAEL/ JEWS/ LUNG NEOPLASMS, mortality/ *LUNG NEOPLASMS, occurrence/ LYMPHOMA, occurrence/ MALE/ MIDDLE AGE/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, occurrence/ SEX FACTORS/ STOMACH NEOPLASMS, mortality/ *STOMACH NEOPLASMS, occurrence

4066. **Steins P, Hollmann HJ, Schmidt H, et al:** In-vitro studies on testosterone and 5alpha-dihydrotestosterone binding in benign prostatic hypertrophy (BPH).
Acta Endocrinol [Suppl] (Kbh) 173:69, 1973
ANDROSTANES, metabolism/ CARRIER PROTEINS, analysis/ CYTOSOL, metabolism/ ELECTROPHORESIS, STARCH GEL/ HUMAN/ MALE/ MUSCLES, metabolism/ *PROSTATIC HYPERTROPHY, metabolism/ PROTEIN BINDING/ RECEPTORS, HORMONE/ *STANOLONE, metabolism/ *TESTOSTERONE, metabolism/ TISSUE EXTRACTS/ TRITIUM/ ULTRACENTRIFUGATION

4067. **Steinschneider R:** Eléments de génétique. 4. Hérédité liée au sexe. Soins 18:27-32, Feb 73 (Fre)
GENES, DOMINANT/ GENES, RECESSIVE/ GENETIC COUNSELING/ HEREDITARY DISEASES/ PEDIGREE/ SEX CHROMOSOMES/ SPECIAL LIST NURSING

4068. **Stell PM, Morrison MD:** Radiation necrosis of the larynx. Etiology and management.
Arch Otolaryngol 98:111-3, Aug 73
AGED/ CARCINOMA, EPIDERMOID, radiotherapy/ CORTICOSTERONE, therapeutic use/ FEMALE/ HUMAN/ LARYNGEAL DISEASES, drug therapy/ *LARYNGEAL DISEASES, etiology/ LARYNGEAL DISEASES, prevention & control/ LARYNGEAL DISEASES, surgery/ LARYNGEAL NEOPLASMS, radiotherapy/ LARYNGECTOMY/ MALE/ MIDDLE AGE/ NECROSIS, diagnosis/ NECROSIS, drug therapy/ *NECROSIS, etiology/ NECROSIS, prevention & control/ NECROSIS, surgery/ *RADIATION INJURIES/ RADIATION INJURIES, drug therapy/ RADIATION INJURIES, etiology/ RADIATION INJURIES, prevention & control/ RADIATION INJURIES, surgery/ *RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ RECURRENCE/ TRACHEOTOMY

4069. **Stenzel L, Krug K, Schingnitz G:** Ergebnisse der Polychemotherapie bei Neoplasien des lymphoretikulären Systems.
Z Gesamte Inn Med 28:Suppl 9:134-6, 1 May 73 (Ger)
ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ INFECTION, mortality/ LEUKOPENIA, chemically induced/ LONG TERM CARE/ *LYMPHOSARCOMA, drug therapy/ PREDNISOLONE, therapeutic use/ PROCARBAZINE, therapeutic use/ *RETICULOENDOTHELIOSIS, drug therapy/ VINBLASTINE, therapeutic use

4070. **Stephan FK, Zucker I:** Rat drinking rhythms: central visual pathways and endocrine factors mediating responsiveness to environmental illumination.
Physiol Behav 8:315-26, Feb 72
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ DARKNESS/ DISCRIMINATION LEARNING/ *DRINKING/ EATING/ FEMALE/ HOUSING, ANIMAL/ HYPOTHALAMUS, physiology/ *LIGHT/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS, physiology/ *PINEAL BODY, physiology/ *PITUITARY GLAND, physiology/ RATS/ RETINA, physiology/ *VISUAL PATHWAYS, physiology/ *VISUAL PERCEPTION

4071. **Stěrba R:** Zwei Typen von Kontrazeptiva und deren Einflubb auf das endokrine Gleichgewicht.
Zentralbl Gynaekol 95:847-50, 22 Jun 73 (Ger)
*CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ESTROGENS/ FEMALE/ HUMAN/ OVULATION, drug effects/ PROGESTATIONAL HORMONES, pharmacodynamics

4072. **Sterling K:** Thyroid function tests.
Adv Intern Med 18:345-62, 1972 (106 ref.)
BASAL METABOLISM/ CHOLESTEROL, blood/ HUMAN/ IODINE, blood/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODOTYROSINE, blood/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ REFLEX/ REVIEW/ THYROGLOBULIN, blood/ THYROID GLAND, metabolism/ THYROID GLAND, physiopathology/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4073. **Stern J:** Biochemical hazards and the developing brain.
Dev Med Child Neurol 15:521-4, Aug 73
AMINO ACID METABOLISM, INBORN ERRORS, complications/ BRAIN, growth & development/ *BRAIN, metabolism/ *BRAIN DAMAGE, CHRONIC, etiology/ BRAIN DISEASES, etiology/ ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ HYPERBILIRUBINEMIA, complications/ HYPOGLYCEMIA, complications/ INFANT/ INFANT, NEWBORN/ *MENTAL RETARDATION, etiology/ NUTRITION DISORDERS, complications

4074. **Stern JM, Goldman L, Levine S:** Pituitary-adrenal responsiveness during lactation in rats.
Neuroendocrinology 12:179-91, 1973
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ CORTICOTROPIN, blood/ *CORTICOTROPIN, metabolism/ DEXAMETHASONE,

pharmacodynamics/ ETHYL ETHER/ FEMALE/ *LACTATION/ *PITUITARY-ADRENAL SYSTEM/ RATS/ *STRESS/ SUCKING BEHAVIOR

4075. **Stern LZ, Hannapel LK:** The muscle spindle in cortisone-induced muscular atrophy. Exp Neurol 40:484-90, Aug 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CORTISONE/ FEMALE/ HISTOCYTOCHEMISTRY/ MUSCULAR ATROPHY, chemically induced/ MUSCULAR ATROPHY, enzymology/ *MUSCULAR ATROPHY, pathology/ NEUROMUSCULAR SPINDLES, enzymology/ *NEUROMUSCULAR SPINDLES, pathology/ RATS/ STAINS AND STAINING/ SUCCINATE DEHYDROGENASE, metabolism

4076. **Stern WC, Morgane PJ:** Effects of alpha-methyltyrosine on REM sleep and brain amine levels in the cat. Biol Psychiatry 6:301-6, Jun 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ CATS/ CEREBELLUM, analysis/ CORPUS STRIATUM, analysis/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ MEDULLA OBLONGATA, analysis/ MESENCEPHALON, analysis/ *METHYLTYROSINES, pharmacodynamics/ *NOREPINEPHRINE, analysis/ OCCIPITAL LOBE, analysis/ *SEROTONIN, analysis/ *SLEEP, REM, drug effects/ TEMPORAL LOBE, analysis/ WAKEFULNESS, drug effects

4077. **Sternadel Z, Szczygiel B, Ajnenkiel M:** Olbrzymie torbiele jajnika u młodych dziewcząt. Ginekol Pol 44:707-11, Jun 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN CYSTS, surgery

4078. **Stevenson PM, Robinson J, Hart DE:** Free fatty acids and ovarian steroidogenesis. J Endocrinol 58:iv-v, Jul 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARNITINE, metabolism/ CHOLESTEROL, metabolism/ COENZYME A, metabolism/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ IN VITRO/ *MITOCHONDRIA, metabolism/ *OVARY, metabolism/ PREGNENOLONE, biosynthesis/ *PROGESTATIONAL HORMONES, biosynthesis/ PROGESTERONE, biosynthesis/ RATS

4079. **Stevenson RD:** Hydrocortisone and the migration of human leucocytes: an indirect effect mediated by mononuclear cells. Clin Exp Immunol 14:417-26, Jul 73
CELL MIGRATION INHIBITION/ CELL MOVEMENT, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LEUKOCYTES, drug effects/ *LEUKOCYTES, physiology/ *LYMPHOCYTES, drug effects/ STIMULATION, CHEMICAL/ TEMPERATURE/ TIME FACTORS

4080. **Steward DJ:** The re-incorporation in calcified tissues of tetracycline released following its deposition in the bone of rats. Arch Oral Biol 18:759-64, Jun 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ BONE DEVELOPMENT/ BONE RESORPTION/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, DIETARY/ DENTIN, analysis/ *DENTIN, metabolism/ MICROSCOPY, FLUORESCENCE/ RATS/ TETRACYCLINE, analysis/ *TETRACYCLINE, metabolism

4081. **Stewart BH, Montie JE:** Male infertility: an optimistic report. J Urol 110:216-8, Aug 73
CELL MOVEMENT/ CORTISONE, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ LIGATION/ MALE/ PERPHENAZINE, therapeutic use/ SEMEN, cytology/ SPERMATOGENESIS/ SPERMATOZOA, cytology/ *STERILITY, MALE/ STERILITY, MALE, diagnosis/ STERILITY, MALE, drug therapy/ STERILITY, MALE, etiology/ TESTIS, blood supply/ TRIIODOTHYRONINE, therapeutic use/ VARICOCELE, complications/ VARICOCELE, therapy/ VAS DEFERENS/ VEINS

4082. **Stewart JT:** Synthesis and biological activity of 9-substituted acridines. J Pharm Sci 62:1357-8, Aug 73
*ACRIDINES/ ACRIDINES, chem synthesis/ ACRIDINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BACTERIA, drug effects/ CARBAMATES, chem synthesis/ DOGS/ ESTERS, pharmacodynamics/ GASTRIC JUICE, secretion/ GASTRIN, antagonists & inhibitors/ GASTRIN, pharmacodynamics/ LARVA, drug effects/ NEMATODE INFECTIONS, drug effects/ THIOUREA, pharmacodynamics

4083. **Stewart SF, Gawlak D, Kopia S:** The effect of caloric restriction on testicular hypertrophy following hemicastration in the rat. J Reprod Fertil 34:159-63, Jul 73
ANIMAL EXPERIMENTS/ *CASTRATION/ *DIET/ GONADS/ HYPERTROPHY/ MALE/ ORGAN WEIGHT/ RATS/ STARVATION/ TESTIS, growth & development/ *TESTIS, physiology

4084. **Stieglitz R, Stobbe H, Werner W:** The diagnostic importance of histological biopsy of the bone-marrow in hematological diseases. Helv Med Acta 37:25-9, 1973
*BIOPSY, instrumentation/ BONE AND BONES, cytology/ *BONE DISEASES, diagnosis/ BONE MARROW CELLS, cytology/ *BONE MARROW EXAMINATION/ DIAGNOSIS, DIFFERENTIAL/ *HEMATOLOGIC DISEASES, diagnosis/ HUMAN/ METHODS

4085. **Stiel JN, Hales IB, Reeve TS:** Thyrotoxicosis in an elderly population. Med J Aust 2:986-8, 28 Oct 72
AGE FACTORS/ AGED/ FEMALE/ GOITER, complications/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC, metabolism/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE, metabolism

4086. **Stjärne L:** Prostaglandin-versus alpha-adrenoceptor-mediated control of sympathetic neurotransmitter secretion in guinea-pig isolated vas deferens. Eur J Pharmacol 22:233-8, Jun 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DESIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, secretion/ NORMETANEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, physiology/ *RECEPTORS, ADRENERGIC/ *SYMPATHETIC NERVOUS SYSTEM, secretion/ TIME FACTORS/ *VAS DEFERENS, innervation

4087. **Stjärne L:** Comparison of secretion of sympathetic neurotransmitter induced by nerve stimulation with that evoked by high potassium, as triggers of dual alpha-adrenoceptor mediated negative feed-back control of noradrenaline secretion. Prostaglandins 3:421-6, Apr 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DESIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FEEDBACK/ GUINEA PIGS/ MALE/ METHOXAMINE, pharmacodynamics/ *NOREPINEPHRINE, secretion/ NORMETANEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/

*POTASSIUM, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ STIMULATION, CHEMICAL/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TRITIUM/ VAS DEFERENS, innervation

4088. **Stock JE:** Advances in small animal anaesthesia, 1972.
Vet Rec 92:351-4, 7 Apr 73 (4 ref.)
*ANESTHESIA, veterinary/ ANESTHETICS/ ANESTHETICS, administration & dosage/ ANIMAL EXPERIMENTS/ CATS/ DOGS/ IMMOBILIZATION/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ KETAMINE/ KETAMINE, administration & dosage/ KETONES/ KETONES, administration & dosage/ MUSCLE RELAXANTS, CENTRAL/ PREGNANES/ PREGNANES, administration & dosage/ REFLEX, drug effects/ REVIEW

4089. **Stockigt JR, Hertz P, Schambelan M, et al:** Segmental renal-vein renin sampling for segmental renal infarction. Studies in a hypertensive patient.
Ann Intern Med 79:67-70, Jul 73
ANGIOTENSIN, blood/ HUMAN/ *HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, surgery/ *INFARCTION/ *KIDNEY, blood supply/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ RADIOIMMUNOASSAY/ RENAL ARTERY, radiography/ RENAL VEINS, radiography/ *RENIN, blood/ UROGRAPHY

4090. **Stoeckel ME, Hindeland-Gertner C, Porte A, et al:** Sur les caractères cytologiques spécifiques de la par tuberalis de l'hypophyse et sa différenciation précoce chez le foetus de rat.
C R Acad Sci [D] (Paris) 277:97-100, 2 Jul 73 **(Fre)**
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ MICE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ RATS/ RODENTS

4091. **Stoffer SS, Hynes KM, Jiang NS, et al:** Digoxin and abnormal serum hormone levels.
JAMA 225:1643-4, 24 Sep 73
ADULT/ AGE FACTORS/ AGED/ DIGOXIN, administration & dosage/ *DIGOXIN, adverse effects/ DIGOXIN, blood/ *ESTROGENS, blood/ FEMALE/ GONADOTROPINS, urine/ GYNECOMASTIA, chemically induced/ HUMAN/ *LH, blood/ MALE/ MENOPAUSE/ MIDDLE AGE/ SEX FACTORS/ *TESTOSTERONE, blood/ TIME FACTORS

4092. **Stoiljković C, Oreščanin M, Baršić E:** Naša iskustva s molom hydatidosom na 10-godišnjem kliničkom materijalu.
Rad Med Fak Zagrebu 20:163-8, 1972 **(Cro)**
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, occurrence/ MIDDLE AGE/ RETROSPECTIVE STUDIES/ TROPHOBLASTIC TUMOR, etiology/ YUGOSLAVIA

4093. **Stojanov S, Igel H:** Ambulante Diagnostik der Zyklusstörungen.
Z Aerztl Fortbild (Jena) 67:31-3, 1 Jan 73 **(Ger)**
ADULT/ *AMBULATORY CARE/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, diagnostic use/ FEMALE/ FSH, urine/ GONADOTROPINS, PITUITARY, diagnostic use/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ *MENSTRUATION DISORDERS, diagnosis/ MENSTRUATION DISORDERS, urine/ PREDNISONE, diagnostic use/ PREGNANEDIOL, urine/ PROGESTERONE, diagnostic use

4094. **Stoll BA:** Hypothesis: breast cancer regression under oestrogen therapy.
Br Med J 3:446-50, 25 Aug 73
AGE FACTORS/ AGED/ BONE NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ CLONE CELLS/ DEPRESSION, CHEMICAL/ ESTROGENS, administration & dosage/ ESTROGENS, metabolism/ ESTROGENS, pharmacodynamics/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROLACTIN, metabolism/ PROLACTIN, secretion/ RECEPTORS, HORMONE, drug effects/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ VAGINA, pathology

4095. **Stoll R, Faucounau N, Maraud R, et al:** Sur le mécanisme d'apparition des néoplasmes dans la thyroïde du rat.
C R Soc Biol (Paris) 166:1654-6, 1972 **(Fre)**
ADENOMA, chemically induced/ ANIMAL EXPERIMENTS/ CYSTADENOMA, PAPILLARY, chemically induced/ RATS/ *THYROID ANTAGONISTS/ *THYROID NEOPLASMS, chemically induced/ *THYROTROPIN

4096. **Stoltz M, Furthmayr H, Timpl R:** Increased lysine hydroxylation in rat bone and tendon collagen and localization of the additional residues.
Biochim Biophys Acta 310:461-8, 15 Jun 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ *COLLAGEN, analysis/ COLLAGEN, isolation & purification/ CYANOGEN BROMIDE/ GEL FILTRATION/ GUANIDINES/ *HYDROXYLYSINE, analysis/ MACROMOLECULAR SYSTEMS/ MALE/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PROTEIN CONFORMATION/ RATS/ *SKIN, analysis/ *TENDONS, analysis/ UREA

4097. **Stölzner W, Oettel M, Grass M, et al:** Endokrinologische Studien an parabiotischen Ratten mit TURISYNCHRON (Metallibur) und TURISYNCHRON-Z. 2. Beeinflussung der totalen gonadotropen Aktivität der Parabiontenhypophysen.
Arch Exp Veterinaermed 26:949-55, Dec 72 **(Ger)**
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, metabolism/ HYDRAZINES, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ *PARABIOSIS/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, transplantation/ RATS/ *THIOUREA, pharmacodynamics/ TRANSPLANTATION, HETEROLOGOUS/ UTERUS, anatomy & histology/ UTERUS, drug effects

4098. **Stoner HB, Elson PM, Koltay E:** The effect of limb ischaemia on the turnover of noradrenaline in the hypothalamus and brain stem of the rat.
J Neurochem 21:223-31, Jul 73
ANIMAL EXPERIMENTS/ *BRAIN STEM, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ *HINDLIMB, blood supply/ *HYPOTHALAMUS, metabolism/ ISCHEMIA, metabolism/ KINETICS/ MALE/ *NOREPINEPHRINE, metabolism/ RATS/ TYROSINE, blood/ TYROSINE, metabolism

4099. **Stookey GK:** Influence of riboflavin on fluoride metabolism in the rat.
J Dent Res 52:843, Jul-Aug 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *FLUORIDES, metabolism/ RATS/ *RIBOFLAVIN, pharmacodynamics

4100. **Stoughton RB:** Some bioassay methods for measuring percutaneous absorption.
Adv Biol Skin 12:535-46, 1972 (21 ref.)
ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTI-INFECTIVE AGENTS, metabolism/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ DIMETHYL SULFOXIDE, pharmacodynamics/ GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HUMIDITY/

HYDROCORTISONE, metabolism/ IN VITRO/ KINETICS/ MICE/ MITOSIS, drug effects/ PARASYMPATHOLYTICS, administration & dosage/ PARASYMPATHOLYTICS, pharmacodynamics/ RACIAL STOCKS/ REVIEW/ *SKIN ABSORPTION/ SKIN ABSORPTION, drug effects/ SOLVENTS/ SWEATING, drug effects/ TEMPERATURE/ TRIAMCINOLONE ACETONIDE, metabolism

01. **Strauch G, Vallotton MB, Touitou Y, et al:** The renin-aldosterone system in acromegaly: follow-up report. N Engl J Med 289:808, 11 Oct 73
*ACROMEGALY, metabolism/ *ALDOSTERONE, secretion/ FOLLOW-UP STUDIES/ HUMAN/ *RENIN, secretion

02. **Strauss RJ, Rubin KA, Newman FA, et al:** Serotonin levels in portal vein plasma after occlusion of the superior mesenteric artery in dogs with intact and divided vagus nerves. Surgery 74:333-7, Sep 73
ANIMAL EXPERIMENTS/ DOGS/ HYDROXYINDOLEACETIC ACID, blood/ INTESTINE, SMALL, blood supply/ ISCHEMIA, blood/ MESENTERIC ARTERIES/ *MESENTERIC VASCULAR OCCLUSION, blood/ PORTAL VEIN/ *SEROTONIN, blood/ VAGUS NERVE, physiology

03. **Strewler GJ, Bernstein DS, Pietka P:** Pseudo-vitamin D deficiency rickets (PDR) and relative hypoparathyroidism: a report of a family. J Clin Endocrinol Metab 37:220-9, Aug 73
ADULT/ ALKALINE PHOSPHATASE, blood/ AMMONIA, urine/ AMMONIUM CHLORIDE, diagnostic use/ BICARBONATES, blood/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROXYPROLINE, urine/ HYPOPARATHYROIDISM, complications/ *HYPOPARATHYROIDISM, familial & genetic/ HYPOPARATHYROIDISM, metabolism/ MAGNESIUM, blood/ MALE/ PHOSPHATES, blood/ PHOSPHATES, metabolism/ PHOSPHATES, urine/ RICKETS, complications/ *RICKETS, familial & genetic/ RICKETS, metabolism/ URINE/ VITAMIN D DEFICIENCY, complications/ *VITAMIN D DEFICIENCY, familial & genetic/ VITAMIN D DEFICIENCY, metabolism

04. **Strom TB, Carpenter CB, Garovoy MR, et al:** The modulating influence of cyclic nucleotides upon lymphocyte-mediated cytotoxicity. J Exp Med 138:381-93, 1 Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ CHOLERA, immunology/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ GRAFT REJECTION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ IMIDAZOLES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LYMPHOCYTE DEPLETION/ PROSTAGLANDINS, pharmacodynamics/ RATS/ TOXINS, pharmacodynamics

05. **Strong CR, Carey EM, Dils R:** The synthesis of medium-chain fatty acids by lactating-rabbit mammary gland studied in vitro. Biochem J 132:121-3, Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYTOSOL, metabolism/ FATTY ACID SYNTHETASE COMPLEX, metabolism/ *FATTY ACIDS, biosynthesis/ FEMALE/ IN VITRO/ *LACTATION/ MAMMAE, cytology/ *MAMMAE, metabolism/ MICROSOMES, metabolism/ MOLECULAR WEIGHT/ PREGNANCY/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, metabolism/ ULTRAFILTRATION

06. **Strong JA:** Management of endocrine emergencies. Practitioner 211:25-32, Jul 73
ADRENAL GLAND DISEASES, therapy/ COMA, therapy/ DIABETES MELLITUS, therapy/ *EMERGENCIES/ *ENDOCRINE DISEASES, therapy/ HUMAN/ HYPERTHYROIDISM, therapy/ MYXEDEMA, therapy/ PITUITARY DISEASES, therapy

4107. **Stryckmans P, Manaster J, Delalleux G:** Le traitement des leucémies aiguës. Essais cliniques contrôlés et faits expérimentaux en vue d'une administration plus rationnelle des médicaments antileucémiques. Rev Med Liege 28:434-42, 15 Jun 73 (38 ref.) (Fre)
CLINICAL RESEARCH/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DNA, NEOPLASM, biosynthesis/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, pathology/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, pathology/ METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ REVIEW/ VINCRISTINE, therapeutic use

4108. **Stubbs SS, Morrell RM:** Intravenous methylprednisolone sodium succinate: adverse reactions reported in association with immunosuppresive therapy. Transplant Proc 5:1145-6, Jun 73
CARDIOVASCULAR SYSTEM, drug effects/ FEMALE/ HEMODYNAMICS, drug effects/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INJECTIONS, INTRAVENOUS/ KIDNEY, transplantation/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ SODIUM, administration & dosage/ SODIUM, adverse effects/ SUCCINATES, administration & dosage/ SUCCINATES, adverse effects/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

4109. **Stull JW, Brown WH, Whiting FM:** Some characteristics of metabolism of organochlorine compounds in the bovine. Fed Proc 32:1995-2002, Sep 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL FEED, analysis/ *CATTLE, metabolism/ CIRCADIAN RHYTHM/ DDD, analysis/ DDE, analysis/ DDT, analysis/ FEMALE/ *INSECTICIDES, ORGANOCHLORINE, metabolism/ LACTATION/ LIVER, metabolism/ MILK, analysis/ PESTICIDE RESIDUES, analysis/ THYROGLOBULIN, pharmacodynamics

4110. **Stumbo WG:** Erythema nodosum secondary to the use of oral contraceptive. A case report. J Ky Med Assoc 71:433-4, Jul 73
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *ERYTHEMA NODOSUM, chemically induced/ *ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ *NORGESTREL, adverse effects

4111. **Stutzman L, Glidewell O:** Multiple chemotherapeutic agents for Hodgkin disease. Comparison of three routines: a cooperative study by acute leukemia group B. JAMA 225:1202-11, 3 Sep 73
ADULT/ AGE FACTORS/ BENZOATES, therapeutic use/ COMPARATIVE STUDY/ DRUG SYNERGISM/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LEUKOCYTES, drug effects/ MALE/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ MUSCLES, drug effects/ *PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ SEX FACTORS/ SULFATES, therapeutic use/ TIME FACTORS/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

4112. **Suarez Alvarez JR, De Elio FJ, Caballero J:** Tratamiento de la sintomatología muscular tetánica con pancuronium. Rev Clin Esp 129:503-6, 15 Jun 73 (Spa)
*ANDROSTANES, therapeutic use/ *CURARE-LIKE AGENTS, therapeutic use/ EVALUATION STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PANCURONIUM, administration & dosage/ PANCURONIUM, therapeutic use/ *TETANUS, drug therapy

4113. **Suarez-Kurtz G, Paumgartten FJ:** Blockade of quinine-induced contracture and 45Ca efflux by procaine and tetracaine in frog sartorium muscle. J Pharmacol Exp Ther 186:562-8, Sep 73
ANIMAL EXPERIMENTS/ *CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FROGS/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ *MUSCLES, drug effects/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ *PROCAINE, pharmacodynamics/ *QUININE, antagonists & inhibitors/ QUININE, pharmacodynamics/ *TETRACAINE, pharmacodynamics/ TIME FACTORS

4114. **Suarez-Kurtz G, Paumgartten FJ:** Sites of action of Lilly 18947 in skeletal muscle. J Pharmacol Exp Ther 186:373-84, Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *BIPHENYL COMPOUNDS, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHLORIDES, metabolism/ ELECTRIC STIMULATION/ ETHYLAMINES, pharmacodynamics/ FROGS/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ MICROSOMES, LIVER, enzymology/ *MUSCLE CONTRACTION, drug effects/ MUSCLES, cytology/ *MUSCLES, drug effects/ MUSCLES, metabolism/ OSMOLAR CONCENTRATION/ OXIDOREDUCTASES, antagonists & inhibitors/ PROCAINE, pharmacodynamics/ QUININE, pharmacodynamics/ SARCOPLASMIC RETICULUM, drug effects/ TIME FACTORS

4115. **Suda M, Nagai K, Nakagawa H:** Studies on the circadian rhythm of phosphoenolpyruvate carboxykinase activity in rats. I. Mechanism of circadian increase in liver enzyme with special reference to hormonal and dietary effects. J Biochem (Tokyo) 73:727-38, Apr 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CARBOXY-LYASES, metabolism/ *CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIET/ ENZYME ACTIVATION/ FEMALE/ GLUCOSE, pharmacodynamics/ HORMONES, pharmacodynamics/ INSULIN, pharmacodynamics/ *LIVER, enzymology/ MALE/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/ RATS/ SEASONS/ THYROID GLAND, physiology/ THYROIDECTOMY

4116. **Sudakov KV, Zhuravlev BV, Kotov AV:** Neirofiziologicheskie mekhanizmy sensornogo nasyshcheniia. Zh Vyssh Nerv Deiat 23:24-33, Jan-Feb 73 **(Rus)**
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL CORTEX, physiology/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ GASTRIC MUCOSA, innervation/ *HUNGER/ *HYPOTHALAMUS, physiology/ MOTOR CORTEX, physiology/ MOUTH MUCOSA, innervation/ RABBITS/ SATIATION/ SOMATOSENSORY CORTEX, physiology

4117. **Sudre Y, Becq-Giraudon B:** L'association maladie d'Addison et hyperthyroidie. Cah Med 14:175-85, Mar 73 **(Fre)**
*ADDISON'S DISEASE, complications/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ THYROID GLAND FUNCTION TESTS

4118. **Suematsu H:** [Thyroid gland and mental disorder] Clin Endocrinol (Tokyo) 21:560-4, Jun 73 (37 ref.) **(Jap)**
GOITER, EXOPHTHALMIC, complications/ HUMAN/ HYPOTHYROIDISM, complications/ *MENTAL DISORDERS, etiology/ MENTAL DISORDERS, physiopathology/ REVIEW/ *THYROID DISEASES, complications/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS

4119. **Sufi SB, Toccafondi RS, Malan PG, et al:** Binding of thyroid hormones to a soluble fraction from porcine anterior pituitary. J Endocrinol 58:41-52, Jul 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CHROMATOGRAPHY, THIN LAYER/ CYTOSOL, metabolism/ FEEDBACK/ IN VITRO/ IODINE ISOTOPES/ KINETICS/ *PITUITARY GLAND, metabolism/ *PROTEIN BINDING/ SWINE/ THYROTROPIN, secretion/ *THYROXINE, metabolism/ THYROXINE-BINDING PROTEIN/ TISSUE EXTRACTS/ *TRIIODOTHYRONINE, metabolism

4120. **Sufrin G, Coffey DS:** A new model for studying the effect of drugs on prostatic growth. 1. Antiandrogens and DNA synthesis. Invest Urol 11:45-54, Jul 73
*ANDROGENS, antagonists & inhibitors/ ANDROSTENES, pharmacodynamics/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ DNA, analysis/ *DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRANES, pharmacodynamics/ FLUORINE, pharmacodynamics/ FURANS, pharmacodynamics/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ MEDROGESTONE, pharmacodynamics/ *MODELS, BIOLOGICAL/ MOLECULAR WEIGHT/ NITRO COMPOUNDS, pharmacodynamics/ *PROSTATE, drug effects/ PROSTATE, metabolism/ RATS/ SPIRO COMPOUNDS, pharmacodynamics/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

4121. **Sugarbaker PH, Skarin AT, Wilson RE:** Thrombocytopenia from metastatic carcinoma of the breast. Effective managements of patients with this complication. Arch Surg 107:523-7, Oct 73
ADRENALECTOMY/ AGED/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BONE MARROW/ *BONE NEOPLASMS, complications/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, surgery/ CASTRATION/ FEMALE/ FLUOROURACIL, therapeutic use/ HEMATOCRIT/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, therapeutic use/ THROMBOPENIA, drug therapy/ *THROMBOPENIA, etiology/ TIME FACTORS

4122. **Sugarman GI, Rimoin DL, Lachman RS:** The facial-digital-genital (Aarskog) syndrome. Am J Dis Child 126:248-52, Aug 73
ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ CHILD/ CRANIOFACIAL DYSOSTOSIS, complications/ CRYPTORCHISM, complications/ EAR DEFORMITIES, ACQUIRED/ ETHNIC GROUPS/ *FACIAL EXPRESSION/ FEMALE/ *FOOT, abnormalities/ GROWTH DISORDERS, complications/ *HAND, abnormalities/ *HAND DEFORMITIES, ACQUIRED/ HETEROZYGOTE/ HUMAN/ MALE/ MENTAL RETARDATION, complications/ MEXICO/ PEDIGREE/ PSYCHOMOTOR DISORDERS, complications/ *SCROTUM, abnormalities/ SYNDROME/ UNITED STATES

4123. **Sugawara N, Nagano C, Terui K, et al:** [The effect of vibration on corticosterone and nicotinamide-adenine-dinucleotide-phosphate level in the rat adrenal and serum] Jap J Hyg 27:347-52, Aug 72 **(Jap)**
*ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ MALE/ *NADP, analysis/ NADP, blood/ PHYSICAL STIMULATION/ RATS/ *VIBRATION

4124. **Sugrue MF:** Effects of morphine and pentazocine on the turnover of noradrenaline and dopamine in various

regions of the rat brain.
Br J Pharmacol 47:644P, Mar 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CORPUS STRIATUM, metabolism/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ METHYLTYROSINES, pharmacodynamics/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, metabolism/ *PENTAZOCINE, pharmacodynamics/ PONS, metabolism/ RATS/ REGRESSION ANALYSIS

5. **Suhler A, Rampal M, Duplay H, et al:** Adénome parathyroïdien bilatéral chez un lithiasique rénal.
J Urol Nephrol (Paris) 79:145-50, Jan-Feb 73 **(Fre)**
*ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ CALCIUM, blood/ HUMAN/ *KIDNEY CALCULI, etiology/ MALE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery

. **Suki WN:** Use of diuretics in nonedematous states.
Tex Med 69:75-8, Jul 73 (10 ref.)
ABSORPTION/ BROMIDES, urine/ CALCIUM, urine/ CYSTINURIA, drug therapy/ *DIURETICS, therapeutic use/ FANCONI SYNDROME, drug therapy/ FUROSEMIDE, therapeutic use/ HUMAN/ HYPERTENSION, drug therapy/ KIDNEY TUBULES, metabolism/ MANNITOL, therapeutic use/ REVIEW/ SPIRONOLACTONE, therapeutic use

. **Sullivan A, Zaimis E:** The effect of isoprenaline on cyclic AMP concentrations in skeletal muscle.
J Physiol (Lond) 231:102P-103P, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CATS/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, analysis/ MUSCLES, drug effects/ PROPRANOLOL, pharmacodynamics

. **Sumathy V, Grimes EM, Miller GL:** Chorioangioma of the placenta.
Mo Med 70:647-9 passim, Sep 73
ADULT/ FEMALE/ HEART ENLARGEMENT, congenital/ *HEMANGIOMA, complications/ HEMANGIOMA, pathology/ HUMAN/ HYALINE MEMBRANE DISEASE, etiology/ HYDRAMNIOS, complications/ INFANT, NEWBORN/ *PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, pathology/ PREGNANCY

. **Summers GW, Sisson GA:** Parathyroid adenoma with thyroid carcinoma.
Trans Am Acad Ophthalmol Otolaryngol 76:1387-91, Sep-Oct 72
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ *ADENOMA, complications/ ADENOMA, surgery/ ADULT/ CALCIUM, blood/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ MALE/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

. **Sundaram K, Tsong YY, Hood W, et al:** Effect of immunization with estrone-protein conjugate in rhesus monkeys.
Endocrinology 93:843-7, Oct 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ *ESTRONE, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IMMUNIZATION/ MACACA/ MONKEYS/ OVARY, drug effects/ OVULATION, drug effects/ PROGESTERONE, blood/ *SERUM ALBUMIN, BOVINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

4131. **Sundick RS, Bloom SE, Kite JH Jr:** Parabiosis between obese (OS) and normal strain chicken embryos. Examination of skin grafts, lymphocyte chimerism and autoimmune thyroiditis.
Clin Exp Immunol 14:437-42, Jul 73
ANIMAL EXPERIMENTS/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, embryology/ *AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, immunology/ BONE MARROW, pathology/ BURSA OF FABRICIUS, pathology/ CHICK EMBRYO/ CHICKENS/ FEMALE/ GRAFT REJECTION/ HEMAGGLUTINATION TESTS/ *LYMPHOCYTES/ MALE/ *MOSAICISM/ *PARABIOSIS/ SKIN, transplantation/ SPECIES SPECIFICITY/ THYMUS GLAND, pathology/ THYROGLOBULIN/ THYROID GLAND, pathology/ THYROIDITIS, embryology/ *THYROIDITIS, etiology/ THYROIDITIS, immunology/ TRANSPLANTATION, HOMOLOGOUS

4132. **Sundqvist KG:** Reactivity of sera from patients with renal and liver diseases with membrane antigens on monkey kidney cells.
Int Arch Allergy Appl Immunol 42:641-52, 1972
ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS/ BLOOD DONORS/ CELL FRACTIONATION/ CELL MEMBRANE, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HEMADSORPTION/ HEMAGGLUTINATION TESTS/ HUMAN/ IGG, analysis/ *KIDNEY, immunology/ *KIDNEY DISEASES, immunology/ *LIVER DISEASES, immunology/ MACACA, immunology/ THYROID DISEASES, immunology

4133. **Sundsfjord JA, Aakvaag A:** Variations in plasma aldosterone and plasma renin activity throughout the menstrual cycle, with special reference to the pre-ovulatory period.
Acta Endocrinol (Kbh) 73:499-508, Jul 73
ADULT/ *ALDOSTERONE, blood/ ALDOSTERONE, diagnostic use/ CHROMATOGRAPHY, PAPER/ *CORPUS LUTEUM, physiology/ CROSS REACTIONS/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, blood/ *MENSTRUATION/ METHODS/ *OVULATION/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *RENIN, blood/ TIME FACTORS/ TRITIUM

4134. **Surana RB, Hunt TM, Conen PE:** Multiple congenital defects associated with 45,XO-46,XYg- mosaicism.
Am J Dis Child 126:75-7, Jul 73
*ABNORMALITIES, MULTIPLE/ CLEFT LIP, complications/ CLEFT PALATE, complications/ CRANIOFACIAL DYSOSTOSIS, complications/ DERMATOGLYPHICS/ FACIAL NEOPLASMS, complications/ FACIAL NEOPLASMS, congenital/ FINGERS, abnormalities/ HEAD, abnormalities/ HEMANGIOMA, complications/ HEMANGIOMA, congenital/ HUMAN/ HYDROCEPHALUS, complications/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ *MOSAICISM/ *SEX CHROMOSOME ABNORMALITIES/ TESTIS, abnormalities

4135. **Sureau C:** Prostaglandines et appareil génital de la femme.
Ann Med Interne (Paris) 124:347-9, Apr 73 **(Fre)**
ABORTION, chemically induced/ FEMALE/ FERTILIZATION/ *GENITALIA, FEMALE, physiology/ HUMAN/ HYDATIDIFORM MOLE, drug therapy/ LABOR/ PLACENTA, physiology/ PREGNANCY/ PROGESTERONE, physiology/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ UTERUS, physiology

4136. **Surwilo BO, Doeg KA:** Oxygen and glucose uptake, and lactate production in polycystic rat ovary.
Endocrinology 93:652-9, Sep 73
AEROBIOSIS/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ FEMALE/ *GLUCOSE,

metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOTHYROIDISM, metabolism/ IN VITRO/ *LACTATES, biosynthesis/ ORGAN WEIGHT/ OVARY, drug effects/ *OVARY, metabolism/ *OXYGEN CONSUMPTION/ RATS/ STEIN-LEVENTHAL SYNDROME, metabolism/ THIOURACIL, pharmacodynamics

4137. **Sushida K:** [The relationship between inoculation with human leprous bacilli in mice, and body temperature] Lepro (Tokyo) 41:167-71, Oct-Dec 72 (Jap)
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ ENGLISH ABSTRACT/ INJECTIONS, SUBCUTANEOUS/ IODATES/ IODINE ISOTOPES/ LEPROSY, etiology/ MALE/ MICE/ *MYCOBACTERIUM LEPRAE/ SODIUM/ TESTIS

4138. **Suttie JW:** Vitamin K and prothrombin synthesis. Nutr Rev 31:105-9, Apr 73 (18 ref.)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CATTLE/ COUMARINS, pharmacodynamics/ CROSS REACTIONS/ ENZYME ACTIVATION/ ENZYME PRECURSORS/ ETHERS, CYCLIC, biosynthesis/ HUMAN/ HYPOPROTHROMBINEMIAS, metabolism/ LIVER, drug effects/ LIVER, metabolism/ MICROSOMES, LIVER, metabolism/ PROTEIN BINDING/ *PROTHROMBIN, biosynthesis/ RATS/ REVIEW/ SNAKES/ VENOMS/ *VITAMIN K/ VITAMIN K, antagonists & inhibitors/ VITAMIN K, metabolism/ VITAMIN K, physiology/ VITAMIN K DEFICIENCY, metabolism/ WARFARIN, pharmacodynamics

4139. **Suzuki K, Inano H, Tamaoki B:** Testicular function at puberty following prepubertal local x-irradiation in the rat. Biol Reprod 9:1-8, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BODY WEIGHT, radiation effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ MALE/ ORGAN WEIGHT/ PREGNENOLONE, metabolism/ PROGESTERONE, biosynthesis/ *RADIATION EFFECTS/ RATS/ SPERMATOGENESIS, drug effects/ SPERMATOGENESIS, radiation effects/ STEROID HYDROXYLASES, metabolism/ TESTIS, drug effects/ TESTIS, enzymology/ TESTIS, pathology/ *TESTIS, radiation effects/ TIME FACTORS

4140. **Suzuki S, Sato T:** Effects of ochratoxin A on tissue glycogen levels in rats.
Jap J Pharmacol 23:415-9, Jun 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *COUMARINS, pharmacodynamics/ DEPRESSION, CHEMICAL/ *GLYCOGEN, metabolism/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ *MYCOTOXINS, pharmacodynamics/ MYOCARDIUM, metabolism/ OCHRATOXINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

4141. **Svihovec J, Stulc J, Friedrich R, et al:** The effects of some bacterial toxins on placental transport in the rabbit. Toxicon 10:627-33, Oct 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARBON ISOTOPES/ DIFFUSION/ *ENDOTOXINS, pharmacodynamics/ *ESCHERICHIA COLI/ FEMALE/ IN VITRO/ KINETICS/ *MATERNAL-FETAL EXCHANGE, drug effects/ PERFUSION/ PLACENTA, metabolism/ PLACENTA, physiology/ PREGNANCY/ RABBITS/ STAPHYLOCOCCUS/ SUCROSE, metabolism/ TIME FACTORS/ *TOXINS, pharmacodynamics/ TRITIUM/ WATER, metabolism

4142. **Svirsky-Fein A:** [20 years' experience with low birth weight infants]
Harefuah 85:20-3, 1 Jul 73 (Heb)
*BIRTH WEIGHT/ CHLORPROMAZINE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHERMIA, INDUCED, adverse effects/ INFANT, NEWBORN/ *INFANT, PREMATURE/ *INFANT, PREMATURE, DISEASES, drug therapy/ INFANT, PREMATURE, DISEASES, mortality/ ISRAEL/ PREDNISOLONE, therapeutic use/ RESPIRATORY DISTRESS SYNDROME, mortality/ VITAMIN K, adverse effects

4143. **Svitneva AS:** Lechenie bol'nykh giperkhronicheskim tuberkulezom legkikh.
Probl Tuberk 51:16-20, 1973 (Rus)
ADULT/ ANTITUBERCULAR AGENTS, administration & dosage/ *ANTITUBERCULAR AGENTS, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ ETHAMBUTOL, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ TIME FACTORS/ *TUBERCULOSIS, PULMONARY, drug therapy

4144. **Swank RT, Bailey DW:** Recombinant inbred lines: value in the genetic analysis of biochemical variants. Science 181:1249-52, 28 Sep 73
ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ ELECTROPHORESIS/ ENZYME INDUCTION/ ENZYME INDUCTION, drug effects/ FEMALE/ GENES, REGULATOR/ GENES, STRUCTURAL/ GLUCURONIDASE, analysis/ *GLUCURONIDASE, biosynthesis/ *KIDNEY, enzymology/ LINKAGE (GENETICS)/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ *MICE, INBRED STRAINS/ *OPERON/ *RECOMBINATION, GENETIC/ TESTOSTERONE, pharmacodynamics

4145. **Swanson LW, Sharpe LG:** Centrally induced drinking: comparison of angiotensin II- and carbachol-sensitive sites in rats. Am J Physiol 225:566-73, Sep 73
ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CARBACHOL, administration & dosage/ *CARBACHOL, pharmacodynamics/ *DIENCEPHALON, drug effects/ *DRINKING BEHAVIOR, drug effects/ HYPOTHALAMUS, drug effects/ LIMBIC SYSTEM, drug effects/ MALE/ MESENCEPHALON, drug effects/ MICROINJECTIONS/ RATS/ THALAMUS, drug effects

4146. **Sweetman BJ, Watson JT, Carr K, et al:** Quantitative vapor-phase analysis of prostaglandin F2 in female human urine. Prostaglandins 3:385-7, Mar 73
CHROMATOGRAPHY/ COMPUTERS/ FEMALE/ HUMAN/ METHODS/ PROSTAGLANDINS, isolation & purification/ *PROSTAGLANDINS, urine/ TRITIUM

4147. **Swensen SR, Telford IR:** Lipofuscin distribution and histological lesions in the vitamin E deficient cotton rat (Sigmodon hispidus hispidus).
Arch Histol Jap 35:327-41, May 73
ANIMAL EXPERIMENTS/ BONE MARROW, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ KIDNEY, analysis/ *LIPIDS, analysis/ LIVER, analysis/ LYMPH NODES, analysis/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ OVARY, analysis/ PANCREAS, analysis/ *PIGMENTS, analysis/ RATS/ SPLEEN, analysis/ TESTIS, analysis/ UTERUS, analysis/ VITAMIN E DEFICIENCY, metabolism/ *VITAMIN E DEFICIENCY, pathology

4148. **Swezey RL, Bjarnason DM, Alexander SJ, et al:** Resorptive arthropathy and the opera-glass hand syndrome.
Semin Arthritis Rheum 2:191-244, 1972-73 (216 ref.)
ANEMIA, SICKLE CELL, complications/ ANIMAL EXPERIMENTS/ *ARTHRITIS, complications/ ARTHRITIS, JUVENILE RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, complications/ ARTHROPATHY, NEUROGENIC, diagnosis/ BONE AND BONES, blood supply/ BONE NEOPLASMS, diagnosis/ *BONE RESORPTION, complications/ BONE RESORPTION, diagnosis/

DIAGNOSIS, DIFFERENTIAL/ GLUCOCORTICOIDS, adverse effects/ GOUT, diagnosis/ *HAND DEFORMITIES, ACQUIRED, etiology/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ ISCHEMIA, complications/ JOINT DISEASES, chemically induced/ LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ NECROSIS/ OSTEOARTHRITIS, diagnosis/ PSORIASIS, complications/ RETICULOENDOTHELIOSIS, complications/ REVIEW/ SARCOIDOSIS, diagnosis/ SCLERODERMA, SYSTEMIC, complications/ SPONDYLITIS, ANKYLOSING, complications/ TUBERCULOSIS, OSTEOARTICULAR, diagnosis/ WERNER'S SYNDROME, diagnosis

Swiderski G, Bruszewski J: Die röntgenologischen Veränderungen im Frühstadium des Wirbelsäulenmyeloms.
Beitr Orthop Traumatol 19:623-8, Nov 72 **(Ger)**
AGING/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *MULTIPLE MYELOMA, radiography/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ SPINAL CORD NEOPLASMS, complications/ *SPINAL CORD NEOPLASMS, radiography

Swinehart JM, Recker RR: Tachycardia and nightmares. Nebr Med J 58:314-5, Aug 73
AGED/ *DREAMS/ FEMALE/ *GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *TACHYCARDIA, etiology

Switzer P, Bell HM: Slipping of the capital femoral epiphysis with renal rickets: a case report.
Can J Surg 16:330-2, Sep 73
ADOLESCENCE/ CASE REPORT/ CHILD/ DIET THERAPY/ *EPIPHYSES, SLIPPED, complications/ EPIPHYSES, SLIPPED, therapy/ FEMALE/ *FEMUR HEAD/ HUMAN/ *RENAL OSTEODYSTROPHY, complications/ RENAL OSTEODYSTROPHY, therapy/ TRACTION

Swyer GI: Contraception.
Trans Med Soc Lond 88:191-7, 1972
ADRENAL GLANDS, metabolism/ BLOOD COAGULATION DISORDERS, chemically induced/ CARBOHYDRATES, metabolism/ *CONTRACEPTION/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, metabolism/ CORTICOSTERONE, metabolism/ CORTICOTROPIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTROGENS, adverse effects/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ IODINE ISOTOPES, DIAGNOSTIC/ JAUNDICE, OBSTRUCTIVE, chemically induced/ LIPIDS, metabolism/ LIVER, metabolism/ LIVER FUNCTION TESTS/ MALE/ PROTEIN BINDING, drug effects/ SULFOBROMOPHTHALEIN, diagnostic use/ THROMBOEMBOLISM, chemically induced/ THYROID GLAND FUNCTION TESTS

Syllaba J: Diabetes a kostní ústrojí.
Fysiatr Reumatol Vestn 51:248-51, Aug 73 **(Cze)**
*BONE AND BONES, pathology/ *BONE DISEASES, etiology/ BONE DISEASES, pathology/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, pathology/ HUMAN

Symons AM, Cunningham NF, Saba N: Preliminary observations on the effects of luteinizing hormone releasing factor and oestradiol-17beta on plasma gonadotrophin levels in the anoestrous ewe.
J Endocrinol 58:12-3, Jul 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GONADOTROPINS, blood/ *LH, blood/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ SHEEP

Szacki J, Lawiński M, Grzebieluch M: Zachowanie się wzrostu przeszczepialnego wątrobiaka chryzoidynowego u kastrowanych myszy.
Patol Pol 24:319-24, Apr-Jun 73 **(Pol)**
ANIMAL EXPERIMENTS/ *AZO COMPOUNDS/ *CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HEPATOMA, chemically induced/ HEPATOMA, metabolism/ *HEPATOMA, pathology/ LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, metabolism/ *LIVER NEOPLASMS, pathology/ MALE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, metabolism/ SEX FACTORS/ TIME FACTORS

4156. **Szajner-Milart I, Chrząstek-Spruch H:** Z badań nad rozwojem fizycznym dzieci m. Lublina w okresie dojrzewania.
Pediatr Pol 48:867-73, Jul 73 **(Pol)**
ADOLESCENCE/ ANTHROPOMETRY/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH/ HUMAN/ MALE/ POLAND/ *PUBERTY/ RURAL POPULATION/ SEX FACTORS/ URBAN POPULATION

4157. **Szalay GC:** Definition of the Russell-Silver syndrome.
Pediatrics 52:309-10, Aug 73
*ABNORMALITIES, MULTIPLE/ *CRANIOFACIAL DYSOSTOSIS/ *DWARFISM, congenital/ HUMAN/ HYPERTROPHY, congenital/ *PUBERTY, PRECOCIOUS/ SYNDROME

4158. **Szego CM:** The role of cyclic AMP in lysosome mobilization and their nucleotropic translocation in steroid hormonal target cells.
Adv Cyclic Nucleotide Res 1:541-64, 1972 (50 ref.)
ACID PHOSPHATASE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CLITORIS/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTROGENS, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ GLUCURONIDASE, metabolism/ LYSOSOMES, drug effects/ LYSOSOMES, enzymology/ *LYSOSOMES, metabolism/ MICROSCOPY, FLUORESCENCE/ MODELS, BIOLOGICAL/ RATS/ RECEPTORS, HORMONE/ REVIEW/ RIBONUCLEASE, metabolism/ SEBACEOUS GLANDS, cytology/ SEBACEOUS GLANDS, enzymology/ TIME FACTORS

4159. **Szidat L:** Morphologie und Verhalten von Paragyrodactylus superbus n.g.,n.sp., Erreger eines Fischsterbens in Argentinien.
Angew Parasitol 14:1-10, Feb 73 **(Ger)**
ANIMAL EXPERIMENTS/ ARGENTINA/ ENGLISH ABSTRACT/ *FISH DISEASES/ GONADS, anatomy & histology/ TREMATODA, anatomy & histology/ TREMATODA, classification/ TREMATODA, growth & development

4160. **Szücs Z, Angeli I:** Kritikai megjeyzèsek egy megjelent közleményhez meg Angeli István: "pubertas, graviditás is klimakterium szerepe a diabetes manifesztàcìòjàban is lefolyàsàban".
Orv Hetil 114:2075-6, 26 Aug 73 **(Hun)**
ADOLESCENCE/ ADULT/ CHILD/ *CLIMACTERIC/ *DIABETES MELLITUS, JUVENILE/ FEMALE/ HUMAN/ MIDDLE AGE/ PREGNANCY/ *PREGNANCY IN DIABETES/ *PUBERTY

4161. **Szybiński Z, Sieradzki J, Mruk K, et al:** Badania nad insulinemia u rodziców dzieci chorych na cukryze.
Przegl Lek 30:441-7, 1973 **(Pol)**
ADMINISTRATION, ORAL/ ADULT/ BLOOD SUGAR, analysis/ CHILD/ CORTISONE, administration & dosage/ CORTISONE, pharmacodynamics/ DIABETES MELLITUS, blood/ *DIABETES MELLITUS, JUVENILE, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ MALE/ MIDDLE AGE/ *PREDIABETIC STATE, blood/ RADIOIMMUNOASSAY

T

4162. **Tabacchi MH, Kirksey A:** Influence of dietary lipids on plasma and hepatic lipids and on blood clotting properties in rats fed oral contraceptives. J Nutr 103:1270-8, Sep 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BLOOD COAGULATION, drug effects/ BODY WEIGHT, drug effects/ CASTRATION/ CHOLESTEROL, metabolism/ CHOLESTEROL, DIETARY/ COCONUT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *DIETARY FATS/ DRUG COMBINATIONS/ ETHYLESTRENOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FATTY ACIDS, ESSENTIAL, pharmacodynamics/ FEMALE/ FIBRINOGEN, metabolism/ LIPIDS, blood/ *LIPIDS, metabolism/ LIVER, metabolism/ MEDROXYPROGESTERONE, pharmacodynamics/ MESTRANOL, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ OILS, pharmacodynamics/ PROTHROMBIN TIME/ RATS/ TRIGLYCERIDES, metabolism

4163. **Tabei A, Shimoda S:** [Increased TBG-T4-binding capacity in acute hepatitis] Folia Endocrinol Jap 49:1025-33, 20 Jul 73 **(Jap)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ AMINOTRANSFERASES, blood/ ENGLISH ABSTRACT/ FEMALE/ *HEPATITIS, blood/ HEPATITIS, enzymology/ HEPATITIS, therapy/ HEPATITIS, HOMOLOGOUS SERUM, blood/ HEPATITIS, INFECTIOUS, blood/ HEPATITIS, TOXIC, blood/ HUMAN/ LIVER CIRRHOSIS, blood/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ *SERUM GLOBULINS, analysis/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS

4164. **Tabolin VA:** Metabolicheskie narusheniia, ikh ranniaia diagnostika i korrektsiia u deteĭ perioda novorozhdennosti. Vestn Akad Med Nauk SSSR 28:76-86, 1973 **(Rus)**
ADRENOGENITAL SYNDROME, diagnosis/ *AMINO ACID METABOLISM, INBORN ERRORS, diagnosis/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, diagnosis/ CHILD, PRESCHOOL/ CYSTIC FIBROSIS, diagnosis/ FANCONI SYNDROME, diagnosis/ HUMAN/ HYPERBILIRUBINEMIA, HEREDITARY, diagnosis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, diagnosis/ INFANT/ INFANT, NEWBORN/ JAUNDICE, NEONATAL, diagnosis/ *MALABSORPTION SYNDROMES, diagnosis/ NEUROLOGIC MANIFESTATIONS/ PHENYLKETONURIA, diagnosis/ TRYPTOPHAN, metabolism

4165. **Taché Y, Seiye H, Szabo S, et al:** Influence of pregnenolone-16-alpha-carbonitrile on spermatogenesis and on the spermatogenic activity of pregnenolone. J Endocrinol 58:233-8, Aug 73
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY/ LEYDIG CELLS, drug effects/ MALE/ *NITRILES, pharmacodynamics/ ORGAN WEIGHT/ PENIS, anatomy & histology/ PITUITARY GLAND, physiology/ *PREGNENOLONE, antagonists & inhibitors/ PREGNENOLONE, pharmacodynamics/ RATS/ SEMINAL VESICLES, anatomy & histology/ *SPERMATOGENESIS, drug effects/ TESTIS, anatomy & histology/ TESTIS, drug effects

4166. **Tadano T, Sakurada S, Kikara K:** [Behavioral pharmacological study of alkali metals. 1. Effect of LiCl on the central nervous system] Folia Pharmacol Jap 69:75-84, Jan 73 **(Jap)**
AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ CHLORIDES/ CONDITIONING, CLASSICAL, drug effects/ ENGLISH ABSTRACT/ *LITHIUM, pharmacodynamics/ MALE/ MICE/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism

4167. **Takada K, Fujita M:** Effects of DTPA on the excretion and tissue distribution of 144Ce administered subcutaneously, intramuscularly and intravenously in rats. J Radiat Res (Tokyo) 14:187-97, Jun 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CERIUM ISOTOPES, administration & dosage/ *CERIUM ISOTOPES, metabolism/ CERIUM ISOTOPES, urine/ COMPARATIVE STUDY/ *DECONTAMINATION/ *DTPA, therapeutic use/ GASTROINTESTINAL SYSTEM, metabolism/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS/ SPLEEN, metabolism

4168. **Takagi A, Schotland DL, DiMauro S, et al:** Thyrotoxic periodic paralysis. Function of sarcoplasmic reticulum and muscle glycogen. Neurology (Minneap) 23:1008-16, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENYL CYCLASE, metabolism/ ADULT/ CALCIUM, metabolism/ CYTOCHROME C/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUCOSYLTRANSFERASES, metabolism/ GLYCOGEN, metabolism/ HEXOKINASE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ *HYPERTHYROIDISM, complications/ MAGNESIUM, metabolism/ MALE/ MUSCLES, enzymology/ MUSCLES, metabolism/ OXIDOREDUCTASES, metabolism/ *PARALYSIS, FAMILIAL PERIODIC, etiology/ PARALYSIS, FAMILIAL PERIODIC, metabolism/ PHOSPHOFRUCTOKINASE, metabolism/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism

4169. **Takagi T:** [Josamycin propionate. 3. Pharmacological studies] Jap J Antibiot 26:130-5, Apr 73 **(Jap)**
ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ ANTICONVULSANTS/ ANTIHISTAMINICS/ BARIUM, antagonists & inhibitors/ BODY TEMPERATURE, drug effects/ CATS/ DOGS/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HEART RATE, drug effects/ HEMODYNAMICS, drug effects/ LACTONES, pharmacodynamics/ MALE/ MICE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NEUROMUSCULAR JUNCTION, drug effects/ NICOTINE, antagonists & inhibitors/ PROPIONATES, pharmacodynamics/ RATS/ RESPIRATION, drug effects/ SEROTONIN, antagonists & inhibitors

4170. **Takahashi K:** [Anomaly of growth hormone secretion and mental disorders] Clin Endocrinol (Tokyo) 21:555-9, Jun 73 (32 ref.) **(Jap)**
ACROMEGALY, complications/ ANOREXIA NERVOSA, metabolism/ CHILD/ DWARFISM, PITUITARY, complications/ GIGANTISM, complications/ HUMAN/ *MENTAL DISORDERS, etiology/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ PSYCHOSES, ORGANIC, etiology/ PSYCHOSOCIAL DEPRIVATION/ REVIEW/ SCHIZOPHRENIA, metabolism/ *SOMATOTROPIN, secretion

4171. **Takahashi S:** [Diencephalic-pituitary diseases] Clin Endocrinol (Tokyo) 21:550-4, Jun 73 (16 ref.) **(Jap)**
BRAIN DISEASES/ DIABETES INSIPIDUS/ *DIENCEPHALON/ FEMALE/ HUMAN/

HYPOPITUITARISM/ HYPOTHALAMUS/ *PITUITARY DISEASES/ PITUITARY GLAND, POSTERIOR/ PITUITARY NEOPLASMS/ PSYCHOSES, ORGANIC/ REVIEW/ SHEEHAN'S SYNDROME

Takahashi S: [Adrenal gland diseases] Clin Endocrinol (Tokyo) 21:577-81, Jun 73 (22 ref.) **(Jap)**
ADDISON'S DISEASE, complications/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND NEOPLASMS, complications/ CUSHING'S SYNDROME, complications/ DEPRESSION, etiology/ HUMAN/ *MENTAL DISORDERS, etiology/ PHEOCHROMOCYTOMA, complications/ PSYCHOSES, TOXIC/ REVIEW

Takahashi S, Shigematsu A: [Effects of Althesin (CT 1341) on the oxidative drug metabolizing enzyme system of the liver microsome] Jap J Anesthesiol 22:442-6, May 73 **(Jap)**
ACETIC ACIDS, pharmacodynamics/ *ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CYTOCHROME P-450, metabolism/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ *MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *PREGNANES, pharmacodynamics/ RATS/ SPECTRUM ANALYSIS

Takahashi T, Ogawa H, Takahashi M, et al: [Anesthesia using a new intravenous anesthetic, CT-1341 (Althesin-Glaxo). 2. Prolonged anesthesia with CT-1341 alone] Jap J Anesthesiol 22:364-70, Apr 73 **(Jap)**
ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, administration & dosage/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ KETOSTEROIDS, administration & dosage/ MALE/ MIDDLE AGE/ *PREGNANES, administration & dosage/ TIME FACTORS

Takamori M: [Transmission block in neuromuscular diseases--my research method and theory] Jap J Clin Med 31:260-4, Feb 73 **(Jap)**
ACTION POTENTIALS/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ EVOKED POTENTIALS/ HUMAN/ *NEURAL TRANSMISSION/ *NEUROMUSCULAR DISEASES, physiopathology

Takasaki M, Doi S, Namiki A, et al: [Anesthesia by a new steroid anesthetic, CT 1341 (Althesin-Glaxo). 3. Comparison of a ultra-short acting intravenous anesthesia, CT1341 with propanidid and methohexital, with special reference to their effects on respiratory and cardiovascular systems] Jap J Anesthesiol 22:447-54, May 73 **(Jap)**
ACETIC ACIDS, pharmacodynamics/ *ANESTHESIA, INTRAVENOUS/ BLOOD PRESSURE, drug effects/ *CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ *METHOHEXITAL, pharmacodynamics/ *PREGNANES, pharmacodynamics/ *PROPANIDID, pharmacodynamics/ PULSE, drug effects/ *RESPIRATION, drug effects

Takatani O, Kumaoka S, Yamaguchi K: Epithioandrostanol on mammary tumors of rats and mice. Gann 64:305-7, Jun 73
ADENOCARCINOMA, drug therapy/ ADENOFIBROMA, drug therapy/ *ANDROSTANES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION/ FEMALE/ HYDROXYSTEROIDS, therapeutic use/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MICE/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/ RATS/ SULFIDES, therapeutic use/ TESTOSTERONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

4178. **Takayasu H, Kinoshita K, Isurugi K, et al:** Male hermaphrodite with 46,XX chromosome constitution. Acta Endocrinol (Kbh) 73:396-406, Jun 73
ADULT/ EPIDIDYMIS, cytology/ FSH, blood/ *HERMAPHRODITISM/ HERMAPHRODITISM, pathology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES/ SKIN, cytology/ TESTIS, cytology/ TESTIS, pathology/ TESTOSTERONE, blood

4179. **Takebe K, Sakakura M:** Circadian rhythm of CRF activity in the hypothalamus after stress. Endocrinol Jap 19:567-70, Dec 72
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOTROPIN RELEASING FACTOR, metabolism/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, metabolism/ MALE/ PITUITARY-ADRENAL SYSTEM/ RATS/ *STRESS

4180. **Takeda M, Oga Y:** Adenosine 3', 5'-monophosphate and histone phosphorylation during enzyme induction by glucagon in rat liver. J Biochem (Tokyo) 73:621-9, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BINDING SITES/ ENZYME ACTIVATION/ ENZYME INDUCTION/ *GLUCAGON, pharmacodynamics/ *HISTONES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ OXIDATION-REDUCTION/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ RATS/ TYROSINE AMINOTRANSFERASE, metabolism

4181. **Takeda R, Morimoto S, Kuroda M, et al:** Renal tubular acidosis, presenting as a syndrome resembling Bartter's syndrome, in a patient with arachnodactyly. Acta Endocrinol (Kbh) 73:531-42, Jul 73
ACIDOSIS, RENAL TUBULAR, complications/ *ACIDOSIS, RENAL TUBULAR, metabolism/ ACIDOSIS, RENAL TUBULAR, pathology/ ADULT/ ALDOSTERONE, metabolism/ ALDOSTERONE, urine/ ALKALOSIS, metabolism/ ARACHNODACTYLY, complications/ *ARACHNODACTYLY, metabolism/ ARACHNODACTYLY, pathology/ BIOPSY/ HUMAN/ HYPERALDOSTERONISM, metabolism/ HYPERPLASIA/ HYPERTROPHY/ HYPOKALEMIA, metabolism/ JUXTAGLOMERULAR APPARATUS/ KIDNEY, metabolism/ KIDNEY, pathology/ KIDNEY DISEASES, metabolism/ MALE/ POTASSIUM, urine/ RENIN, blood/ SERUM ALBUMIN, RADIO-IODINATED/ SODIUM, therapeutic use

4182. **Takeuchi H:** [Hormone therapy of prostatic cancer--with special reference to clinical results] Clin Endocrinol (Tokyo) 21:383-9, Apr 73 **(Jap)**
AGED/ *ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATIC NEOPLASMS, diagnosis/ *PROSTATIC NEOPLASMS, drug therapy

4183. **Takeuchi K, Kawasaki M, Hanai N, et al:** [Thyroid crisis treated with iodine contrast medium and reserpine] Clin Endocrinol (Tokyo) 21:637-40, Jun 73 **(Jap)**
ADULT/ CONTRAST MEDIA/ FEMALE/ HUMAN/ *IODINE, therapeutic use/ *RESERPINE, therapeutic use/ *THYROID CRISIS, drug therapy

4184. **Takeuchi M, Ono T, Honda T:** [Placental villi culture and hormone secretion] Clin Endocrinol (Tokyo) 21:481-8, May 73 **(Jap)**
CELLS, CULTURED/ CULTURE MEDIA/ CYTOLOGICAL TECHNICS/ FEMALE/ HUMAN/ *PLACENTA, cytology/ PLACENTA, secretion/ *PLACENTAL HORMONES, secretion/ PREGNANCY/ TISSUE CULTURE

4185. **Takeuchi S, Kanazawa K, Okada K:** Studies on histocompatibility between the patients with history of repeated moles and their husbands evaluated by mixed leucocyte culture in vitro.
Acta Obstet Gynaecol Jap 19:97-101, Apr 72
DNA, biosynthesis/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, immunology/ *LEUKOCYTE CULTURE TEST, MIXED/ MALE/ PREGNANCY/ THYMIDINE, metabolism/ TRITIUM

4186. **Takeuchi T, Fukuchi F, Nakajima T:** [Determination of aldosterone secretion by radioimmunoassay]
Clin Endocrinol (Tokyo) 21:439-42, Apr 73 (Jap)
*ALDOSTERONE, secretion/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ SECRETORY RATE

4187. **Taki T, Matsumoto M:** Study of exchange reaction between phospholipid-base and free base: incorporation of L-serine into phospholipid and decarboxylation of phosphatidylserine.
Jap J Exp Med 43:219-24, Jun 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ *CEPHALINS, metabolism/ DECARBOXYLATION/ LIVER, enzymology/ MICE/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ *PHOSPHOLIPIDS, biosynthesis/ PHOSPHORUS ISOTOPES/ *SERINE, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ SUBCELLULAR FRACTIONS, metabolism

4188. **Talley RW, Haines CR, Waters MN, et al:** A dose-response evaluation of androgens in the treatment of metastatic breast cancer.
Cancer 32:315-20, Aug 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, mortality/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DROMOSTANOLONE, administration & dosage/ *DROMOSTANOLONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ NANDROLONE, administration & dosage/ *NANDROLONE, therapeutic use/ NEOPLASM METASTASIS/ REMISSION/ TIME FACTORS

4189. **Tamaki N, Fujiwara K, Matsumoto S, et al:** Veins draining the pineal body. An anatomical and neuroradiological study of "pineal veins".
J Neurosurg 39:448-54, Oct 73
ASTROCYTOMA, radiography/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CRANIAL SINUSES, anatomy & histology/ HUMAN/ *PINEAL BODY, blood supply/ PINEAL BODY, radiography/ PINEALOMA, diagnosis/ *VEINS, anatomy & histology/ VEINS, radiography

4190. **Tamburino G, Paolella GB:** L'attività calcitoninica plasmatica in alcune osteopatie rarefacenti.
Minerva Med 64:2305-8, 1973 (Ita)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ HUMAN/ LIVER DISEASES, complications/ MIDDLE AGE/ NEPHROSCLEROSIS, complications/ NITROGEN, blood/ *OSTEOPOROSIS, blood/ *THYROCALCITONIN, blood

4191. **Tamm J, Lindenmeyer D:** The effect of intravenously infused synthetic LRH on LH, testosterone and dihydrotestosterone in the plasma of normal male subjects. Acta Endocrinol [Suppl] (Kbh) 173:91, 1973
HUMAN/ INJECTIONS, INTRAVENOUS/ *LH, blood/ MALE/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ *STANOLONE, blood/ *TESTOSTERONE, blood

4192. **Tamura S, Taya K, Igarashi M:** [New modification of the radioimmunoassay for human prolactin. I]
Folia Endocrinol Jap 49:577-9, 20 Mar 73 (Jap)
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FSH, blood/ GOATS, immunology/ GONADOTROPINS, CHORIONIC/ GUINEA PIGS, immunology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ METHODS/ *PROLACTIN, blood/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SOMATOTROPIN, blood/ SWINE

4193. **Tan KK, Aw SE:** Immunological studies on HeLa cell heat-stable alkaline phosphatases and their antigenic relationship with human placental and intestinal isoenzymes. Immunochemistry 10:209-12, Apr 73
*ALKALINE PHOSPHATASE/ ANTIGEN-ANTIBODY REACTIONS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ DRUG STABILITY/ FEMALE/ GEL DIFFUSION TESTS/ HEAT/ *HELA CELLS, enzymology/ HELA CELLS, immunology/ HUMAN/ IGG/ IMMUNOGLOBULINS, isolation & purification/ *INTESTINE, SMALL, enzymology/ ISOENZYMES, analysis/ MICROCHEMISTRY/ *PLACENTA, enzymology/ PREGNANCY/ RABBITS, immunology

4194. **Tan L, Wang HM, Lehoux JG:** Binding of prostaglandins and cytochrome P-450. Prostaglandins 4:9-16, Jul 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ BINDING, COMPETITIVE/ BINDING SITES, drug effects/ CARBON MONOXIDE, pharmacodynamics/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ *CYTOCHROME P-450, metabolism/ ESTRADIOL, metabolism/ FATTY ACIDS, UNSATURATED, metabolism/ *MICROSOMES, enzymology/ PROGESTERONE, metabolism/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ SPECTROPHOTOMETRY

4195. **Tanaka A, Furukawa T:** Effects of ACTH and its synthetic analogues on water balance in rats.
Endocrinol Jap 20:39-49, Feb 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ FSH, pharmacodynamics/ LH, pharmacodynamics/ PITUITARY GLAND, physiology/ PROLACTIN, pharmacodynamics/ RATS/ THYROTROPIN, pharmacodynamics/ URINE, drug effects/ VASOPRESSIN/ *WATER-ELECTROLYTE BALANCE, drug effects

4196. **Tanaka Y, Akimoto K, Shin T:** [Case of agonadism
Clin Endocrinol (Tokyo) 21:632-6, Jun 73 (Jap
ADULT/ FEMALE/ HUMAN/ *TURNER'S SYNDROME

4197. **Tanaka Y, Frank H, DeLuca HF:** Intestinal calciu transport: stimulation by low phosphorus diet.
Science 181:564-6, 10 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, blood/ *CALCIUM, metabolism/ *DIET/ HYDROXYCHOLECALCIFEROL, administration & dosage/ HYDROXYCHOLECALCIFEROL, blood/ HYDROXYCHOLECALCIFEROL, metabolism/ *INTESTINAL MUCOSA, metabolism/ KIDNEY, metabolism/ MALE/ *PHOSPHORUS/ PHOSPHORUS, blood/ RATS TRITIUM

4198. **Tang SP, Spiro TG, Mukai K, et al:** Resonance Rama scattering and optical absorption of adrenodoxin an selena-adrenodoxin.
Biochem Biophys Res Commun 53:869-74, 6 Aug
ADRENAL GLANDS/ APOPROTEINS, analysis CATTLE/ DEUTERIUM/ *FERREDOXINS, analysis/ GEL FILTRATION/ OXIDATION-REDUCTION/ SCATTERING/ *SELENIUM, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS/ SULFUR, analysis

4199. **Tanioka Y, Tsukada M, Esaki K:** [A technique of ovarian transplantation in mice]
Exp Anim (Tokyo) 22:15-20, Jan 73 **(Jap)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ METHODS/ *MICE/ MUSCULAR DYSTROPHY, ANIMAL/ *OVARY, transplantation/ TRANSPLANTATION, HOMOLOGOUS

4200. **Tannen RL, Wedell E, Moore R:** Renal adaptation to a high potassium intake. The role of hydrogen ion.
J Clin Invest 52:2089-101, Sep 73
ADMINISTRATION, ORAL/ ADRENALECTOMY/ ALDOSTERONE, administration & dosage/ AMMONIA, urine/ AMMONIUM CHLORIDE, administration & dosage/ BICARBONATES, blood/ CARBON DIOXIDE, blood/ CHLORIDES, urine/ CREATININE, urine/ DOGS/ FEMALE/ GLUTAMINE, administration & dosage/ HUMAN/ HYDROCHLORIC ACID, administration & dosage/ *HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAMUSCULAR/ *KIDNEY, physiology/ MALE/ PHOSPHATES, urine/ POTASSIUM, blood/ POTASSIUM, urine/ *POTASSIUM CHLORIDE, administration & dosage/ SODIUM, blood/ SODIUM, urine/ URINE

4201. **Tanner JM:** Growing up. Sci Am 229:34-43, Sep 73
ADOLESCENCE/ BODY HEIGHT/ CHILD/ FEMALE/ *GROWTH/ HUMAN/ MALE/ MEDICINE IN ART/ MENARCHE/ PUBERTY

4202. **Tantichareon C, Suwanik R, Pleehachinda R, et al:** The bioassay of thyroid stimulating hormone in serum.
J Med Assoc Thai 56:453-60, Aug 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MALE/ MICE/ *THYROTROPIN, blood

4203. **Tardy ME Jr, Tenta LT:** Nonthyroid mass in the thyroid area.
Trans Am Acad Ophthalmol Otolaryngol 76:1373-4, Sep-Oct 72
CHILD, PRESCHOOL/ *CHONDROMA, diagnosis/ CHONDROMA, pathology/ CHONDROMA, surgery/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ THYROID GLAND, surgery/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

4204. **Tashima CK:** Association of malignant melanoma and malignant lymphoma. Lancet 1:266, 4 Aug 73
BIOPSY/ CYCLOPHOSPHAMIDE, therapeutic use/ LYMPHATIC METASTASIS/ LYMPHOMA, drug therapy/ *LYMPHOMA, etiology/ LYMPHOMA, pathology/ *MELANOMA, complications/ MELANOMA, drug therapy/ MELANOMA, surgery/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ *SKIN NEOPLASMS, complications/ VINCRISTINE, therapeutic use

4205. **Tashjian AH Jr, Voelkel EF, Goldhaber P, et al:** Successful treatment of hypercalcemia by indomethacin in mice bearing a prostaglandin-producing fibrosarcoma.
Prostaglandins 3:515-24, Apr 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ *BONE RESORPTION, drug effects/ *CALCIUM, blood/ CALCIUM ISOTOPES/ DEPRESSION, CHEMICAL/ FIBROSARCOMA, drug therapy/ *FIBROSARCOMA, metabolism/ *HYPERCALCEMIA, drug therapy/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, therapeutic use/ MICE/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ RADIOIMMUNOASSAY

4206. **Tateishi J, Kuroda S, Watanabe S, et al:** [Neurotoxicity of clioquinol. 3. Autoradiographic distribution of radioactive clioquinol in several species of animals]
Psychiatr Neurol Jap 75:187-96, Mar 73 **(Jap)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CATS/ DOGS/ IODINE, metabolism/ IODINE ISOTOPES/ MICE/ *QUINOLINES, metabolism/ QUINOLINES, toxicity/ RATS

4207. **Tatsumi N:** Beeinflussung des Sialinsäuregehaltes von Ehrlich-Ascites-Mäusen durch Cytostatica.
Osaka City Med J 18:101-8, 1972 **(Ger)**
ANIMAL EXPERIMENTS/ *CARCINOMA, EHRLICH TUMOR, drug therapy/ CARCINOMA, EHRLICH TUMOR, metabolism/ *CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ LIVER, metabolism/ LYMPH NODES, metabolism/ MICE/ MICE, INBRED AKR/ NEOPLASM TRANSPLANTATION/ NEURAMINIC ACIDS, blood/ *NEURAMINIC ACIDS, metabolism/ *PREDNISOLONE, therapeutic use/ SPLEEN, metabolism

4208. **Taubert HD, Jürgensen O:** Sterilitätsdiagnostik in der Praxis. Fortschr Med 91:847-50, 19 Jul 73 **(Ger)**
ADRENAL GLAND HYPERFUNCTION, complications/ ADULT/ AMENORRHEA, complications/ BIOPSY/ BODY TEMPERATURE/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ 17-KETOSTEROIDS, urine/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ TIME FACTORS/ VAGINAL SMEARS

4209. **Taubert W, Prager W:** Zur konventionellen Röntgendiagnostik des Retroperitonealraumes in der Tumornachsorge.
Z Aerztl Fortbild (Jena) 67:560-4, Jun 73 **(Ger)**
*AFTER CARE/ BREAST NEOPLASMS, radiography/ CERVIX NEOPLASMS, radiography/ FEMALE/ HODGKIN'S DISEASE, radiography/ HUMAN/ MALE/ METHODS/ OVARIAN NEOPLASMS, radiography/ *RETROPERITONEAL SPACE, radiography/ TESTICULAR NEOPLASMS, radiography

4210. **Taurelle R, Robey M:** L'adéno carcinome tubaire.
Maroc Med 52:632-6, Nov 72 **(Fre)**
*ADENOCARCINOMA/ ADENOCARCINOMA, complications/ ADENOCARCINOMA, surgery/ *FALLOPIAN TUBE NEOPLASMS/ FALLOPIAN TUBE NEOPLASMS, complications/ FALLOPIAN TUBE NEOPLASMS, surgery/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, complications/ UTERINE NEOPLASMS, complications

4211. **Taxay EP:** Convulsions following operations for pituitary adenoma. Surg Neurol 1:245, Jul 73
*ADENOMA, CHROMOPHOBE, surgery/ ADULT/ CONVULSIONS, etiology/ *CONVULSIONS, occurrence/ HUMAN/ MALE/ *PITUITARY NEOPLASMS, surgery/ *POSTOPERATIVE COMPLICATIONS, occurrence

4212. **Taya K, Igarashi M:** Changes in FSH, LH and prolactin secretion during estrous cycle in rats.
Endocrinol Jap 20:199-205, Apr 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ *ESTRUS/ FEMALE/ FSH, blood/ *FSH, secretion/ LH, blood/ *LH, secretion/ *PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS

4213. **Taylor A, Mamelak M, Reaven E, et al:** Vasopressin: possible role of microtubules and microfilaments in its action. Science 181:347-50, 27 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLADDER, cytology/ *BLADDER, metabolism/ BUFO MARINUS/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/

EPITHELIAL CELLS, metabolism/ IN VITRO/ MICROSCOPY, ELECTRON/ *MICROTUBULES, physiology/ *ORGANOIDS, physiology/ OSMOSIS/ PODOPHYLLOTOXIN, pharmacodynamics/ SODIUM, metabolism/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, physiology/ VINBLASTINE, pharmacodynamics/ *WATER, metabolism

4214. **Taylor BA, Heiniger HJ, Meier H:** Genetic analysis of resistance to cadmium-induced testicular damage in mice. Proc Soc Exp Biol Med 143:629-33, Jul 73
ANIMAL EXPERIMENTS/ CADMIUM, administration & dosage/ *CADMIUM, poisoning/ *DRUG RESISTANCE/ GENES, RECESSIVE/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED STRAINS/ NECROSIS, chemically induced/ *TESTICULAR DISEASES, chemically induced/ TESTICULAR DISEASES, familial & genetic

4215. **Taylor DB:** The role of inorganic ions in ion exchange processes at the cholinergic receptor of voluntary muscle. J Pharmacol Exp Ther 186:537-51, Sep 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CARBACHOL, metabolism/ DECAMETHONIUM COMPOUNDS, metabolism/ DIAPHRAGM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ GUINEA PIGS/ IN VITRO/ *ION EXCHANGE/ KINETICS/ MAGNESIUM, metabolism/ MATHEMATICS/ *MUSCLES, metabolism/ NEUROMUSCULAR DEPOLARIZING AGENTS, metabolism/ RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, DRUG, drug effects/ TACHYPHYLAXIS, drug effects

4216. **Taylor RW, Brush MG, King RJ:** The use of oestradiol uptake and binding-site studies in endometrial and ovarian carcinoma. Postgrad Med J 49:77, Feb 73
BINDING SITES/ CYTOPLASM, metabolism/ ENDOMETRIUM, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, metabolism/ *UTERINE NEOPLASMS, metabolism

4217. **Taylor WA:** The effect of disodium cromoglycate and PGF2 alpha on acute cutaneous reactions of the guinea pig and rat.
Int Arch Allergy Appl Immunol 45:82-3, 1973
ANIMAL EXPERIMENTS/ ANTHRANILIC ACID, pharmacodynamics/ ASPIRIN, pharmacodynamics/ COMPOUND 48-80, pharmacodynamics/ *DISODIUM CROMOGLYCATE, pharmacodynamics/ GUINEA PIGS/ INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRADERMAL/ *PASSIVE CUTANEOUS ANAPHYLAXIS, drug effects/ PHOSPHOLIPASE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ TOLUENE, pharmacodynamics

4218. **Tebêcis AK:** Transmitters and reticulospinal neurons. Exp Neurol 40:297-308, Aug 73
*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS/ ALKALOIDS, pharmacodynamics/ *AMINO ACIDS, pharmacodynamics/ AMINOBUTYRIC ACID, antagonists & inhibitors/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, pharmacodynamics/ CATS/ DIOXOLES, pharmacodynamics/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ GLYCINE, antagonists & inhibitors/ GLYCINE, pharmacodynamics/ INHIBITION, NEURAL, drug effects/ ISOQUINOLINES, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *RETICULAR FORMATION, drug effects/ RETICULAR FORMATION, physiology/ SEROTONIN, pharmacodynamics/ *SPINAL CORD, drug effects/ SPINAL CORD, physiology/ *STRYCHNINE, pharmacodynamics

4219. **Teeuw AH, Jong W de:** Time course of decrease in blood pressure and in blood pressure response to vasopressor agents during pregnancy in the ra
Pfluegers Arch 341:197-208, 6 Jul 73
ACETYLCHOLINE, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ DESOXYCORTICOSTERONE/ FEMALE/ HYPERTENSION, chemically induced/ HYPERTENSION, RENAL, physiopathology/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ RATS/ RENIN, blood/ RENIN, pharmacodynamics/ TIME FACTORS/ TYRAMINE, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics

4220. **Teichmann W, Köcher W, Meng W:** Prä- und postoperative Therapie hyperthyreoter Strume unter besonderer Berücksichtigung der sogenannte thyreotoxischen Krise.
Zentralbl Chir 98:703-5, 11 May 73 (Ge
ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, surgery/ IODINE, therapeutic use/ MALE/ METHIMAZOLE, therapeutic use/ MIDDLE AGE/ PERITONEA DIALYSIS/ POSTOPERATIVE CARE/ PREDNISOLONE, therapeutic use/ PREOPERATIVE CARE/ THYROID CRISIS, drug therapy/ *THYROID CRISIS, surgery/ THYROID CRISIS, therapy

4221. **Tejada F, Bias WB, Santos GW, et al:** Immunolog response of patients with acute leukemia to platel transfusions. Blood 42:405-12, Sep 73
ADOLESCENCE/ ADULT/ *ANTIBODY FORMATION/ *BLOOD PLATELETS, immunology/ BLOOD PLATELETS, metabolism/ *BLOOD TRANSFUSION, adverse effects/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ *LEUKEMIA, MONOBLASTIC, therapy/ *LEUKEMIA, MYELOBLASTIC, therapy/ MIDDLE AGE/ SEROTONIN, metabolism

4222. **Telang BV, Gaitondé BB, Kekre MS:** Elucidation mechanism of centrally induced cardiac arrhythmi and its incidence in relation to vagotomy, sympathectomy, adrenelectomy, chemical sympathectomy. East Afr Med J 49:583-8, Aug
ACONITE, pharmacodynamics/ ADRENALECTOMY/ ANIMAL EXPERIMENTS *ARRHYTHMIA, etiology/ *AUTONOMIC NERVOUS SYSTEM, physiology/ CATECHOLAMINES, physiology/ CATS/ SYMPATHECTOMY/ TETRABENAZINE, pharmacodynamics/ VAGOTOMY

4223. **Tellez H, Bauer RB:** Dexamethasone as treatment cerebrovascular disease. 1. A controlled study intracerebral hemorrhage. Stroke 4:541-6, Jul-Aug
CEREBRAL ANEURYSM, complications/ CEREBRAL EMBOLISM AND THROMBOSIS, complications/ *CEREBRAL HEMORRHAGE, drug therapy/ CEREBRAL HEMORRHAGE, etiology/ CEREBRAL HEMORRHAGE, mortality/ CLINICAL RESEARCH/ CONSCIOUSNESS/ *DEXAMETHASONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ HYPERTENSION, complications/ INTRACRANIAL PRESSURE, drug effects/ MALE/ MIDDLE AGE/ PLACEBOS/ PROSPECTIVE STUDIES

4224. **Tempo B, Grosso E, Tibaldi GP, et al:** Cortisonici anestetici locali in terapia antalgica. Modificazioni d rapporti tra i soluti.
Minerva Anestesiol 39:63-70, Feb 73 (It
*ADRENAL CORTEX HORMONES, therapeuti use/ *ANESTHETICS, LOCAL, therapeutic use/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYDROGEN-ION CONCENTRATION/ *PAIN,

drug therapy/ PREDNISOLONE, therapeutic use/ SOLUBILITY/ SOLUTIONS

5. **Teo SK, Cheah JS:** Hypersecretion of growth hormone in an acromegalic of 25 years' duration.
Med J Malaysia 27:220-2, Mar 73
*ACROMEGALY, blood/ ACROMEGALY, diagnosis/ ADULT/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, secretion/ PROGNOSIS/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

6. **Teo SK, Cheah JS:** Severe reaction to the bite of the triatomid bug (Triatoma rubrofasciata) in Singapore.
J Trop Med Hyg 76:161-2, Jul 73
ADULT/ ANAPHYLAXIS, drug therapy/ BLOOD PRESSURE/ EPINEPHRINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYPERSENSITIVITY/ *INSECT BITES AND STINGS, complications/ MALE/ MANNITOL, therapeutic use/ PROMETHAZINE, therapeutic use/ SINGAPORE/ *TRIATOMINAE

7. **Teo TS, Wang JH:** Mechanism of activation of a cyclic adenosine 3':5'-monophosphate phosphodiesterase from bovine heart by calcium ions. Identification of the protein activator as a Ca2+ binding protein.
J Biol Chem 248:5950-5, 10 Sep 73
ACETIC ACIDS/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM/ CALCIUM ISOTOPES/ CATIONS, DIVALENT/ CATTLE/ CENTRIFUGATION/ CHELATING AGENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DIALYSIS/ DRUG SYNERGISM/ ENZYME ACTIVATION/ GLYCOLS/ MUSCLE PROTEINS, analysis/ *MUSCLE PROTEINS, isolation & purification/ *MYOCARDIUM, analysis/ MYOCARDIUM, enzymology/ OSMOLAR CONCENTRATION/ *PHOSPHODIESTERASES/ PHOSPHODIESTERASES, antagonists & inhibitors/ PROTEIN BINDING

8. **Teoh ES, Das NP:** Evaluation of a rapid competitive protein binding assay for progesterone in pregnancy and some of its complications.
Endocrinol Jap 20:211-5, Apr 73
BINDING, COMPETITIVE/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ *PROGESTERONE, blood/ PROTEIN BINDING/ *TROPHOBLASTIC TUMOR, blood

9. **Teoh PC, Cheah JS:** Electrocardiographic changes in hyperthyroidism after adrenergic blockade with reserpine and propranolol.
Med J Aust 2:116-8, 21 Jul 73
ADOLESCENCE/ ADULT/ CATECHOLAMINES, physiology/ *ELECTROCARDIOGRAPHY/ FEMALE/ *HEART DISEASES, drug therapy/ HEART DISEASES, etiology/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ *PROPRANOLOL, therapeutic use/ *RESERPINE, therapeutic use/ TACHYCARDIA, drug therapy/ TACHYCARDIA, etiology/ THYROID HORMONES, physiology

10. **Tereshchenko OF, Kurs'kii MD:** Vivchennia mekhanizmu vplivu serotoninu na obmin kal'iiu v subklitynnykh strukrurakh m'iaza matky.
Ukr Biokhim Zh 44:736-9, 1972 **(Ukr)**
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CATTLE/ ENGLISH ABSTRACT/ FEMALE/ *MICROSOMES, metabolism/ *MITOCHONDRIA, MUSCLE, metabolism/ *SEROTONIN, pharmacodynamics/ *UTERUS, metabolism

11. **Terhorst B, Lutzeyer W:** Möglichkeiten der medikamentösen Oxalatsteinprophylaxe.
Z Urol Nephrol 65:815-25, Nov 72 **(Ger)**
ALGINATES, therapeutic use/ ALLOPURINOL, therapeutic use/ CALCIUM, metabolism/ DIET THERAPY/ DIURETICS, therapeutic use/ FEMALE/ HUMAN/ ION EXCHANGE RESINS, therapeutic use/ MAGNESIUM, therapeutic use/ MALE/ METHYLENE BLUE, therapeutic use/ *OXALATES, metabolism/ PHOSPHATES, therapeutic use/ PYRIDOXINE, therapeutic use/ SODIUM, therapeutic use/ *URINARY CALCULI, prevention & control

12. **Teriou M, Stroband HW:** The distribution of monoamine oxidase and acetylcholinesterase in the brain of Xenopus laevis tadpoles.
Z Zellforsch Mikrosk Anat 140:261-75, 28 Jun 73
*ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ DIENCEPHALON, enzymology/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, enzymology/ LARVA/ MEDULLA OBLONGATA, enzymology/ MESENCEPHALON, enzymology/ METAMORPHOSIS, BIOLOGICAL/ *MONOAMINE OXIDASE, analysis/ MSH/ NEURONS/ TELENCEPHALON, enzymology/ *XENOPUS

13. **Terrence CF, Samaha FJ:** The Tolosa-Hunt syndrome (painful ophthalmoplegia) in children.
Dev Med Child Neurol 15:506-9, Aug 73
BLEPHAROPTOSIS, complications/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEADACHE/ HUMAN/ MALE/ *OCULOMOTOR PARALYSIS/ OCULOMOTOR PARALYSIS, complications/ OCULOMOTOR PARALYSIS, diagnosis/ OCULOMOTOR PARALYSIS, drug therapy/ PAIN/ PREDNISONE, therapeutic use/ SYNDROME/ VISUAL ACUITY

14. **Tervit HR, Rowson LE, Brand A:** Synchronization of oestrus in cattle using a prostaglandin F2alpha analogue (ICI 79939). J Reprod Fertil 34:179-81, Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE, physiology/ *ESTRUS, drug effects/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

15. **Tesárek B, Středa A, Smejkal V:** A vaskulární nekróza hlavic kyčelních kloubů po odstranění nádoru hypofýzy.
Fysiatr Reumatol Vestn 51:229-32, Aug 73 **(Cze)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FEMUR HEAD NECROSIS, chemically induced/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ HYDROCORTISONE, adverse effects/ *PITUITARY NEOPLASMS, surgery/ *POSTOPERATIVE COMPLICATIONS/ TRIAMCINOLONE, adverse effects

16. **Testart J, Lemercier JP, Tayot J, et al:** Hémoptysie révélatrice d'un cancer surrénalien avec activité fibrinolytique.
Sem Hop Paris 49:1243-6, 8 Apr 73 **(Fre)**
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, drug therapy/ ADULT/ AMINOCAPROIC ACID, therapeutic use/ ENGLISH ABSTRACT/ FIBRINOLYSIS/ *HEMOPTYSIS, etiology/ HUMAN/ LUNG NEOPLASMS/ MALE/ NEOPLASM METASTASIS

17. **Than KA, McDonald IR:** Adrenocortical function in the Australian brush-tailed possum Trichosurus vulpecula (Kerr). J Endocrinol 58:97-109, Jul 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ MALE/ *MARSUPIALIA, physiology/ METABOLIC CLEARANCE RATE/ TRITIUM

18. **Thebault J, Tillement JP, Blatrix C:** Interactions médicamenteuses avec les antivitamines.
Pathol Biol (Paris) 21:639-46, Jun 73 **(Fre)**
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIBIOTICS, therapeutic use/ *ANTICOAGULANTS, therapeutic use/

ANTIDIABETICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ BARBITURATES, therapeutic use/ BENZOFURANS, therapeutic use/ CLOFIBRATE, therapeutic use/ COUMARINS, therapeutic use/ DIURETICS, therapeutic use/ DRUG ANTAGONISM/ DRUG INTERACTIONS/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HUMAN/ MONOAMINE OXIDASE INHIBITORS, therapeutic use/ SALICYLIC ACID, therapeutic use/ STEROIDS, therapeutic use/ SULFONAMIDES, therapeutic use/ THYROXINE, therapeutic use/ *VITAMIN K, antagonists & inhibitors/ WARFARIN, therapeutic use

4239. **Thelemann W, Hennig A:** Untersuchungen mit markiertem Harnstoff an laktierenden Wiederkäuren. 3. Die Verwertung des Harnstoff-Stickstoffs.
Arch Tierernaehr 23:175-82, Apr 73 **(Ger)**
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMAL NUTRITION/ BLOOD UREA NITROGEN/ ENGLISH ABSTRACT/ FEMALE/ *GOATS, metabolism/ *LACTATION/ *NITROGEN, metabolism/ NITROGEN, urine/ NITROGEN ISOTOPES/ *UREA, metabolism/ UREA, urine

4240. **Thibier M, Castanier M, Tea NT, et al:** Concentrations plasmatiques de la 17 alpha-hydroxyprogestérone au cours du cycle de la vache.
C R Acad Sci [D] (Paris) 276:3049-52, 4 Jun 73 **(Fre)**
CHROMATOGRAPHY/ *ESTRUS/ *HYDROXYPROGESTERONE, blood/ RADIOIMMUNOASSAY

4241. **Thion C, Green M:** Cyclic AMP-amplified replication of RNA tumour virus-like particles in Chinese hamster ovary cells. Nature [New Biol] 244:227-31, 22 Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGGLUTINATION, drug effects/ *BUTYRATES/ C-TYPE VIRUSES, enzymology/ C-TYPE VIRUSES, growth & development/ C-TYPE VIRUSES, isolation & purification/ CELL DIVISION, drug effects/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ CONCANAVALIN A, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ HAMSTERS/ MICROSCOPY, ELECTRON/ *ONCOGENIC VIRUSES, growth & development/ POLYNUCLEOTIDES/ REVERSE TRANSCRIPTASE, metabolism/ RNA, VIRAL, isolation & purification/ *RNA VIRUSES, growth & development/ STAINS AND STAINING/ TEMPLATES/ TESTOSTERONE, pharmacodynamics/ TRITIUM/ *VIRUS REPLICATION, drug effects

4242. **Thody AJ, Plummer NA:** A radioimmunoassay for beta-melanocyte-stimulating hormone in human plasma. J Endocrinol 58:263-73, Aug 73
ADDISON'S DISEASE, blood/ ADDISON'S DISEASE, drug therapy/ ADRENALECTOMY/ BLOOD PROTEIN ELECTROPHORESIS/ BRONCHIAL NEOPLASMS, blood/ CORTICOTROPIN, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ IODINE ISOTOPES/ METHODS/ *MSH, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

4243. **Thody AJ, Shuster S:** The control of melanocyte-stimulating hormone secretion.
J Endocrinol 58:xxxvxxxvi, Aug 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ CATECHOLAMINES, antagonists & inhibitors/ CATECHOLAMINES, physiology/ CHLORPROMAZINE, pharmacodynamics/ DOPA, pharmacodynamics/ HUMAN/ *HYPOTHALAMUS, physiology/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MSH, administration & dosage/ MSH, antagonists & inhibitors/ MSH, blood/ *MSH, secretion/ PARKINSONISM, physiopathology/ PHENOTHIAZINES/ PITUITARY GLAND, secretion/ RATS/ RESERPINE, pharmacodynamics/ SEBUM, secretion

4244. **Thomas GH, Scott CI Jr:** Laboratory diagnosis of genetic disorders.
Pediatr Clin North Am 20:105-19, Feb 73 (76 ref.)
AMINO ACID METABOLISM, INBORN ERRORS, diagnosis/ AMINO ACIDS, blood/ AMINO ACIDS, metabolism/ AMINO ACIDS, urine/ BIOLOGICAL TRANSPORT/ BIOPSY/ CHROMATOGRAPHY/ CHROMOSOME ABNORMALITIES, diagnosis/ CYTOGENETICS/ ENZYME TESTS/ FIBROBLASTS, enzymology/ FLUORESCENT DYES/ *HEREDITARY DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MASS SCREENING/ METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, familial & genetic/ REVIEW/ SEX CHROMATIN, analysis/ SEX CHROMOSOMES, analysis/ SKIN, enzymology

4245. **Thomas K, De Hertogh R, Pizarro M, et al:** Plasma LH-HCG, 17 -estradiol, estrone and progesterone monitoring around ovulation and subsequent nidation. Int J Fertil 18:65-73, 1973
ADOLESCENCE/ ADULT/ BODY TEMPERATURE/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LH, blood/ MENSTRUATION/ MIDDLE AGE/ *NIDATION/ *OVULATION/ PREGNANCY/ *PROGESTERONE, blood/ TIME FACTORS

4246. **Thomas M:** An unexpected abdominal mass.
Postgrad Med J 49:61-2, Jan 73
CALCINOSIS, etiology/ FEMALE/ HUMAN/ OVARIAN DISEASES, etiology/ PREGNANCY/ *PREGNANCY, ECTOPIC, complications/ UGANDA

4247. **Thomas ML, Tonge K, Carty H:** Radiographic measurement of ovarian size.
Acta Radiol [Diagn] (Stockh) 14:251-6, Mar 73
FEMALE/ HUMAN/ METHODS/ OVARY, anatomy & histology/ OVARY, pathology/ *OVARY, radiography/ STEIN-LEVENTHAL SYNDROME, radiography

4248. **Thompson RB, Rosen DI, Gross DM:** Healed meconium peritonitis presenting as an inguinal mass.
J Urol 110:364-5, Sep 73
ADULT/ CALCINOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ *INGUINAL CANAL/ MALE/ *MECONIUM/ *PERITONITIS, diagnosis/ TESTIS, pathology

4249. **Thorburn GD, Cox RI, Currie WB, et al:** Prostaglandin F and progesterone concentrations in the utero-ovarian venous plasma of the ewe during the oestrous cycle and early pregnancy.
J Reprod Fertil [Suppl] 18:151-8, Jul 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ HYSTERECTOMY/ OVARY, blood supply/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ *PROSTAGLANDINS, blood/ SHEEP/ UTERUS, blood supply

4250. **Thorén C:** So-called mulibrey nanism with pericardial constriction. Lancet 2:731, 29 Sep 73
*DWARFISM, complications/ HEPATOMEGALY, etiology/ HUMAN/ INFANT/ MALE/ *NOMENCLATURE/ *PERICARDITIS, CONSTRICTIVE, complications/ SYNDROME

4251. **Thorpe WR:** Some effects of caffeine and quinidine on sarcoplasmic reticulum of skeletal and cardiac muscle. Can J Physiol Pharmacol 51:499-503, Jul 73
ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ *HEART, drug effects/ IN VITRO/ MALE/ *MUSCLES, cytology/ MUSCLES, drug effects/ *MYOCARDIUM, cytology/ MYOCARDIUM, metabolism/ *QUINIDINE, pharmacodynamics/

RABBITS/ *SARCOPLASMIC RETICULUM, metabolism

. **Thürmer J, Lübcke P:** Aktivierte Serum-Kreatinkinase.
Dtsch Med Wochenschr 98:1568-9, 24 Aug 73 (Ger)
BRAIN INJURIES, ACUTE, cerebrospinal fluid/ BRAIN INJURIES, ACUTE, diagnosis/ *CREATINE KINASE, blood/ CREATINE KINASE, cerebrospinal fluid/ DIAGNOSIS, DIFFERENTIAL/ ENZYME TESTS/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, enzymology/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ ISOENZYMES, blood/ ISOENZYMES, cerebrospinal fluid/ MENINGITIS, cerebrospinal fluid/ MENINGITIS, enzymology/ MUSCULAR DISEASES, blood/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, enzymology/ MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, diagnosis/ MYOCARDIAL INFARCT, enzymology

. **Tichomirova NP:** Action de l'éthambutol et de la rifampicine sur la fonction de la medullosurrénale. Etude expérimentale.
G Ital Chemioter 19:38-40, Jan-Jun 72 (Fre)
*ADRENAL MEDULLA, drug effects/ ANIMAL EXPERIMENTS/ *ETHAMBUTOL, pharmacodynamics/ PITUITARY-ADRENAL FUNCTION TESTS/ RABBITS/ *RIFAMPIN, pharmacodynamics

. **Tiffany TO, Chilcote DD, Burtis CA:** Evaluation of kinetic enzyme parameters by use of a small computer interfaced "Fast Analyzer"--an addition to automated clinical enzymology. Clin Chem 19:908-18, Aug 73
ACID PHOSPHATASE, antagonists & inhibitors/ *ALKALINE PHOSPHATASE, analysis/ *AUTOANALYSIS, instrumentation/ CATTLE/ COMPUTERS, DIGITAL/ *ERYTHROCYTES, enzymology/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HUMAN/ INTESTINES, enzymology/ ISOENZYMES/ KINETICS/ MATHEMATICS/ METHODS/ *PLACENTA, enzymology/ PREGNANCY/ PROSTATE, drug effects/ PROSTATE, enzymology/ SPECTROPHOTOMETRY/ TARTRATES, pharmacodynamics

. **Tikare SK, Thaly KG, Gupta PS:** A new beta-adrenergic blocking agent in cardiac arrhythmias.
Indian Heart J 24:Suppl 1:213-4, Jun 72
ADULT/ AGED/ *ARRHYTHMIA, drug therapy/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ *PINDOLOL, therapeutic use/ PLACEBOS/ PROPRANOLOL, adverse effects/ PROPRANOLOL, therapeutic use

. **Tikkanen MJ, Adlercreutz H:** Oestriol conjugates in amniotic fluid. Qualitative and quantitative aspects, including preliminary studies in Rh isoimmunization.
Acta Endocrinol (Kbh) 73:555-66, Jul 73
*AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, GAS/ ESTRIOL, analysis/ *ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ FEMALE/ GEL FILTRATION/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *RH FACTORS

. **Tilden RL, Jackson J Jr, Enneking WF, et al:** 99m Tc-polyphosphate: histological localization in human femurs by autoradiography.
J Nucl Med 14:576-8, Aug 73
AUTORADIOGRAPHY/ *BONE AND BONES, metabolism/ FEMUR, metabolism/ HUMAN/ METHODS/ PHOSPHATES, metabolism/ RADIOISOTOPE SCANNING/ *TECHNETIUM, metabolism

. **Tkacheva GA:** Morfologicheskie aspekty problemy gipofizarnoi reguliaatsii klubochkovoi zony nadpochechnika. II. Gistokhimiia adrenokortikal'nykh kletok ptits i amfibii pri stimuliatsii AKT.
Probl Endokrinol (Mosk) 19:57-61, May-Jun 73 (Rus)
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, analysis/ *CHICKENS, physiology/ CHOLESTEROL, analysis/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *FROGS, physiology/ GOLGI APPARATUS, analysis/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ INJECTIONS, INTRAMUSCULAR/ LIPIDS, analysis/ LIPOAMIDE DEHYDROGENASE, analysis/ *PITUITARY-ADRENAL SYSTEM/ SUCCINATE DEHYDROGENASE, analysis/ TIME FACTORS

4259. **Tochilin VI:** Gomotransplantatsiia shchitovidno-parashchitovidnogo kompleksa v eksperimente na sobakakh i shchenkakh.
Probl Endokrinol (Mosk) 19:100-4, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ BLOOD CELLS, analysis/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ PARATHYROID GLANDS, anatomy & histology/ *PARATHYROID GLANDS, transplantation/ THYROID GLAND, anatomy & histology/ THYROID GLAND, blood supply/ *THYROID GLAND, transplantation/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ *TRANSPLANTATION, HOMOLOGOUS

4260. **Todesco S, Mantero F, Terribile V, et al:** Ectopic aldosterone production. Lancet 2:443, 25 Aug 73
ADULT/ *ALDOSTERONE, biosynthesis/ *ARRHENOBLASTOMA, metabolism/ ARRHENOBLASTOMA, pathology/ AUTOPSY/ CHILD/ FEMALE/ HUMAN/ MALE/ *OVARIAN NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, pathology

4261. **Toft AD, Hunter WM, Barnes EW, et al:** Raised plasma-thyroid-stimulating-hormone levels in thyrotoxic patients treated with iodine-131.
Lancet 2:644-5, 22 Sep 73
ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, adverse effects/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ PROSPECTIVE STUDIES/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ THYROTROPIN, diagnostic use/ THYROXINE-BINDING PROTEIN/ TIME FACTORS

4262. **Toft D, Chytil F:** Receptors for glucocorticoids in lung tissue. Arch Biochem Biophys 152:464-9, Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FETUS/ GLUCOCORTICOIDS, metabolism/ KINETICS/ LUNG, cytology/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ PROTEIN BINDING/ RABBITS/ RATS/ *RECEPTORS, HORMONE/ SHEEP/ TIME FACTORS/ TRIAMCINOLONE, blood/ *TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM

4263. **Tojo S, Mochizuki M, Kanazawa S, et al:** [In vitro perfusion of the human utero-tubo-ovarian unit. 1. Evaluation of experimental conditions and the studies of the early stage of preganacy and trophoblastic neoplasia]
Folia Endocrinol Jap 49:1103-18, 20 Aug 73 (Jap)
CARBON DIOXIDE, metabolism/ DNA, biosynthesis/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ *FALLOPIAN TUBES, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ METHODS/ *OVARY, metabolism/ OXYGEN CONSUMPTION/ *PERFUSION/ PLACENTAL LACTOGEN, secretion/ *PREGNANCY/ PYRUVATES, metabolism/

RNA, biosynthesis/ RNA, NEOPLASM, biosynthesis/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ TROPHOBLAST, metabolism/ *TROPHOBLASTIC TUMOR, metabolism/ *UTERUS, metabolism/ UTERUS, physiology

4264. **Tojo S, Mochizuki M, Morikawa H, et al:** [Subunits of human chorionic gonadotropin]
Folia Endocrinol Jap 49:599-611, 20 Mar 73 **(Jap)**
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FEMALE/ GEL DIFFUSION TESTS/ GLUCOSYLTRANSFERASES, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ HYPOPHYSECTOMY/ *OVARY, drug effects/ OVARY, metabolism/ OXIDOREDUCTASES, metabolism/ PITUITARY GLAND, physiology/ PROGESTERONE, blood/ RATS/ THYMIDINE, metabolism/ TRITIUM

4265. **Tojyo S, Nakano R, Mizuno M, et al:** [Receptor of gonadotropin]
Clin Endocrinol (Tokyo) 21:293-7, Mar 73 (20 ref.) **(Jap)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CORTICOTROPIN, physiology/ FSH, metabolism/ *GONADOTROPINS, metabolism/ IODINE ISOTOPES/ LH, metabolism/ LIVER, metabolism/ MALE/ MODELS, CHEMICAL/ RADIOLIGAND ASSAY/ *RECEPTORS, HORMONE/ REVIEW/ TESTIS, metabolism/ TRITIUM

4266. **Tolbert ME, Butcher FR, Fain JN:** Lack of correlation between catecholamine effects on cyclic adenosine 3':5'-monophosphate and gluconeogenesis in isolated rat liver cells. J Biol Chem 248:5686-92, 25 Aug 73
ACETANILIDE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUNOLOL, pharmacodynamics/ BUTYRATES, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ ERGOTAMINE, pharmacodynamics/ FEMALE/ GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ ISOPROTERENOL, pharmacodynamics/ LIVER, cytology/ *LIVER, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

4267. **Toledo-Pereyra LH, Najarian JS:** Preservation of the small intestine for allotransplantation.
Surg Gynecol Obstet 137:445-50, Sep 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, therapeutic use/ BODY FLUIDS/ BODY WEIGHT/ CHLORAMPHENICOL, therapeutic use/ CHLORPROMAZINE, therapeutic use/ DOGS/ FEMALE/ GRAFT REJECTION, drug effects/ INTESTINAL ABSORPTION/ *INTESTINE, SMALL, transplantation/ KANAMYCIN, therapeutic use/ MALE/ MESENTERIC VASCULAR OCCLUSION/ METHYLPREDNISOLONE, therapeutic use/ NEOMYCIN, therapeutic use/ PERFUSION/ POSTOPERATIVE COMPLICATIONS/ *PRESERVATION, BIOLOGICAL/ *TRANSPLANTATION, HOMOLOGOUS/ XYLOSE, metabolism

4268. **Tolloczko T:** Wycięcie nadnerczy w leczeniu choroby Cushinga.
Pol Przegl Chir 45:1153-60, Aug 73 (20 ref.) **(Pol)**
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, blood supply/ *ADRENALECTOMY/ ARTERIES, anatomy & histology/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, surgery/ HUMAN/ KIDNEY, anatomy & histology/ METHODS/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ REVIEW

4269. **Tolsdorff P:** Das Rhinosklerom--Klinik und Pathologie.
Z Laryngol Rhinol Otol 52:486-97, Jul 73 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ ASCORBIC ACID, therapeutic use/ BIOPSY/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ MALE/ NASAL MUCOSA, pathology/ PLASMA CELLS/ *RHINOSCLEROMA, diagnosis/ RHINOSCLEROMA, drug therapy/ RHINOSCLEROMA, microbiology/ RHINOSCLEROMA, pathology/ RHINOSCLEROMA, surgery/ STREPTOMYCIN, therapeutic use/ TETRACYCLINE, therapeutic use

4270. **Tomita A:** [Parathyroid diseases and mental disorder]
Clin Endocrinol (Tokyo) 21:565-9, Jun 73 **(Jap)**
ADULT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, complications/ MALE/ *MENTAL DISORDERS, etiology/ *PARATHYROID DISEASES, complications

4271. **Tomita T, Yamamura Y, Nagakura T, et al:** Pharmacological study of hydroxy bis-[2-(p-chlorophenoxy)-isobutyric acid] aluminium. II. The effect of hydroxy bis-[2-(-chlorophenoxy)-isobutyric acid] aluminum on lipid metabolism in hypercholesterolimic rats.
Jap J Pharmacol 23:289-98, Jun 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *ANTICHOLESTEREMIC AGENTS, therapeutic use/ BODY WEIGHT, drug effects/ BRAIN, metabolism/ CHOLESTEROL, metabolism/ CHOLESTEROL, DIETARY/ *CLOFIBRATE, therapeutic use/ COMPARATIVE STUDY/ FATTY ACIDS, NONESTERIFIED, metabolism/ *HYPERCHOLESTEREMIA, drug therapy/ KIDNEY, metabolism/ *LIPIDS, metabolism/ LIPOPROTEINS, LDL, blood/ LIVER, drug effects/ LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PHOSPHOLIPIDS, metabolism/ RATS/ TESTIS, metabolism/ TRIGLYCERIDES, metabolism

4272. **Tomlinson CW, Dhalla NS:** Excitation-contraction coupling in heart. IX. Changes in the intracellular stores of calcium in failing hearts due to lack of substrate and oxygen. Cardiovasc Res 7:470-6, Jul 73
AEROBIOSIS/ ANIMAL EXPERIMENTS/ *ANOXIA, metabolism/ *CALCIUM, metabolism/ CYTOCHROME C/ CYTOCHROME OXIDASE, metabolism/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATASE, metabolism/ *HEART FAILURE, CONGESTIVE, metabolism/ MICROSOMES, enzymology/ MICROSOMES, metabolism/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ RATS/ TIME FACTORS

4273. **Tonge SR:** Catecholamine concentrations in discrete areas of the rat brain after the pre- and neonatal administration of phencyclidine and imipramine.
J Pharm Pharmacol 25:164-6, Feb 73
AMYGDALOID BODY, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ASCORBIC ACID, administration & dosage/ *BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, analysis/ CEREBELLAR CORTEX, analysis/ CORPORA QUADRIGEMINA, analysis/ DOPAMINE, analysis/ FEMALE/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ IMIPRAMINE, administration & dosage/ *IMIPRAMINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, analysis/ PHENCYCLIDINE, administration & dosage/ *PHENCYCLIDINE, pharmacodynamics/ PONS, analysis/ PREGNANCY/ RATS

4. **Tonooka N, Kobayashi I, Tsuyuzaki K, et al:** [Effect of starvation on thyroid function in rats]
Folia Endocrinol Jap 49:1034-42, 20 Jul 73 **(Jap)**
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ ENDOCYTOSIS/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ HEMATOCRIT/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ RATS/ STARVATION, pathology/ *STARVATION, physiopathology/ THYROID GLAND, metabolism/ THYROID GLAND, pathology/ *THYROID GLAND, physiopathology/ THYROTROPIN, pharmacodynamics

5. **Toppozada M, Béguin F, Bygdeman M, et al:** Response of the midpregnant human uterus to systemic administration of 15(S)-15-methyl-prostaglandin F2alpha. Prostaglandins 2:239-49, Oct 72
ABORTION, INDUCED/ BIOLOGICAL ASSAY/ DIARRHEA, chemically induced/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ *MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ *UTERUS, drug effects/ VOMITING, chemically induced

6. **Torchia DA, Piez KA:** Mobility of elastin chains as determined by 13C nuclear magnetic resonance.
J Mol Biol 76:419-24, 25 May 73
ACHILLES TENDON/ CARBON ISOTOPES/ CATTLE/ COLLAGEN, analysis/ *ELASTIN/ LIGAMENTS/ NUCLEAR MAGNETIC RESONANCE/ PEPTIDES, analysis/ PROTEIN CONFORMATION/ PROTEIN DENATURATION/ SOLUBILITY/ THIOCYANATES

7. **Torjesen PA, Haug E, Sand T:** Effect of thyrotrophin-releasing hormone on serum levels of pituitary hormones in men and women.
Acta Endocrinol (Kbh) 73:455-64, Jul 73
ADULT/ FEMALE/ *FSH, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYPERTHYROIDISM, metabolism/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

8. **Török J:** Koraszülöttek hyperbilirubinaemiája 1948-1973 (a kissúlyú újszülöttek physiológiás sárgaságának megitélése és kezelése az elmúlt 25 esztendöben.
Orv Hetil 114:1847-53, 5 Aug 73 (97 ref.) **(Hun)**
ADRENAL CORTEX HORMONES, therapeutic use/ BIRTH WEIGHT/ BRAIN DISEASES, etiology/ EXCHANGE TRANSFUSION/ GESTATIONAL AGE/ HUMAN/ HUNGARY/ HYPERBILIRUBINEMIA, complications/ HYPERBILIRUBINEMIA, diagnosis/ HYPERBILIRUBINEMIA, immunology/ *HYPERBILIRUBINEMIA, occurrence/ HYPERBILIRUBINEMIA, therapy/ *HYPERBILIRUBINEMIA, HEREDITARY, occurrence/ INFANT, NEWBORN/ *INFANT, PREMATURE, DISEASES, occurrence/ JAUNDICE, NEONATAL, etiology/ *JAUNDICE, NEONATAL, occurrence/ PHENOBARBITAL, therapeutic use/ REVIEW

9. **Torresani J:** Insolubilized anithyroglobulin antibodies: properties and interest in the study of thyroglobulin.
J Immunol Methods 3:35-52, Aug 73
ADSORPTION/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY SPECIFICITY/ CARBON ISOTOPES/ CHLORELLA/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYANOGEN BROMIDE/ FUNGAL PROTEINS/ GAMMA GLOBULIN, 19S/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ PRECIPITIN TESTS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SERUM ALBUMIN, BOVINE/ *SOLUBILITY/ SPECTROPHOTOMETRY/ THIOCYANATES/ *THYROGLOBULIN/ THYROGLOBULIN, analysis/ ULTRACENTRIFUGATION

4280. **Torsney PJ:** Allergic rhinitis and otologic allergy.
Semin Drug Treat 2:403-12, Spring 73 (9 ref.)
ADENOIDECTOMY/ AMINES, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ DRUG COMBINATIONS/ *EAR DISEASES, drug therapy/ EAR DISEASES, surgery/ ETHANOLAMINES, therapeutic use/ ETHYLENEDIAMINES, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ *HAY FEVER, drug therapy/ HAY FEVER, etiology/ HAY FEVER, prevention & control/ HAY FEVER, surgery/ HUMAN/ *HYPERSENSITIVITY, drug therapy/ MYRINGOPLASTY/ NOSE, surgery/ PHENOTHIAZINES, therapeutic use/ REVIEW/ TYMPANIC MEMBRANE, surgery/ VASOCONSTRICTOR AGENTS, NASAL, adverse effects/ VASOCONSTRICTOR AGENTS, NASAL, therapeutic use

4281. **Totoki T, Yuda Y, Isa T, et al:** [Case of temporal arteritis]
Jap J Anesthesiol 22:480-4, May 73 **(Jap)**
AGED/ ANESTHESIA, CONDUCTION/ CASE REPORT/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ STELLATE GANGLION/ *TEMPORAL ARTERITIS, drug therapy/ *TEMPORAL ARTERITIS, therapy

4282. **Toury R:** Etude de la fixation de faible affinelté du Ca2+ par les membranes externe et interne des mitochondries et par le rèticulum endoplasmique lisse et rugueux de foie de rat.
Biochim Biophys Acta 307:607-12, 25 May 73 **(Fre)**
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ LIVER, cytology/ MEMBRANES, metabolism/ *MITOCHONDRIA, LIVER, metabolism/ OSMOLAR CONCENTRATION/ PHOSPHOLIPIDS/ PROTEIN BINDING/ RATS

4283. **Touzé J:** Troubles du comportement alimentaire avec dyspondérose chez l'adolescent.
Probl Actuels Endocrinol Nutr 16:347-64, 3 May 73 **(Fre)**
*ADOLESCENCE/ *ANOREXIA NERVOSA, etiology/ ANOREXIA NERVOSA, therapy/ DIET, REDUCING/ EGO/ FEMALE/ HUMAN/ HUNGER/ MALE/ MOTHER-CHILD RELATIONS/ *NUTRITION DISORDERS, complications/ *OBESITY/ OBESITY, etiology/ PSYCHOPHYSIOLOGIC DISORDERS/ PUBERTY

4284. **Toverud SU, Ramp WK, Crenshaw MA, et al:** Effects of vitamin D on developing bones and teeth.
NC Dent J 56:9-11, Aug 73
BONE DEVELOPMENT, drug effects/ ODONTOGENESIS, drug effects/ SPECIAL LIST DENTAL/ VITAMIN D, pharmacodynamics

4285. **Townsley JD, Rubin EJ, Crystle CD:** Evaluation of placental steroid 3-sulfatase and aromatase activities as regulators of estrogen production in human pregnancy. Am J Obstet Gynecol 117:345-50, 1 Oct 73
ANDROSTANES/ CESAREAN SECTION/ CREATININE, urine/ DELIVERY/ *ESTRADIOL, biosynthesis/ ESTRADIOL, urine/ ESTROGENS/ *ESTRONE, biosynthesis/ ESTRONE, urine/ FEMALE/ HUMAN/ IN VITRO/ LABOR, INDUCED/ ORGAN WEIGHT/ *OXIDOREDUCTASES, metabolism/ OXYTOCIN/ PLACENTA, anatomy & histology/ *PLACENTA, enzymology/ PREGNANCY/ PREGNANCY COMPLICATIONS, enzymology/ *SULFATASES, metabolism/ TIME FACTORS/ VAGINA

4286. **Trachewsky D:** Mécanisme d'action de l'aldostérone:

une revue des recherches du Départment de Biologie Moléculaire de 1968 à 1972.
Union Med Can 102:857-69, Apr 73 (69 ref.) (Fre)
ACTINOMYCIN/ ALDOSTERONE, metabolism/ *ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ CHROMATIN/ ENGLISH ABSTRACT/ KIDNEY CORTEX/ PROTEINS/ RATS/ REVIEW/ RIBOSOMES/ RNA, metabolism/ SODIUM, metabolism

4287. **Trachewsky D, Parent C:** Effet de l'angiotensine-II "in vitro" sur la biosynthèse de l'ARN, les protéines, l'AMP cyclique et l'aldostérone par un système de suspension cellulaire à partir de la zone glomérulosa des surrénales.
Union Med Can 102:884-9, Apr 73 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADRENAL GLANDS, cytology/ *ALDOSTERONE, biosynthesis/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ ENGLISH ABSTRACT/ IN VITRO/ *PROTEINS, biosynthesis/ *RNA, biosynthesis/ SPECTRUM ANALYSIS

4288. **Traeger A, Nöschel H, Zaumseil J:** Zur Pharmakokinetik von Indomethazin bei Schwangeren, Kreibenden und deren Neugeiborenen.
Zentraibl Gynaekol 95:635-41, 11 May 73 (Ger)
ADULT/ BLOOD/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INDOMETHACIN, blood/ *INDOMETHACIN, metabolism/ INDOMETHACIN, urine/ *INFANT, NEWBORN/ *LABOR/ MATERNAL-FETAL EXCHANGE/ METABOLIC CLEARANCE RATE/ PLACENTA, metabolism/ *PREGNANCY/ TIME FACTORS/ UMBILICAL CORD

4289. **Träuble H:** Phase transitions in lipids.
Biomembranes 3:197-227, 1972
ANDROSTANES/ ANILINE COMPOUNDS/ CELL MEMBRANE/ CHEMISTRY, PHYSICAL/ CYCLIC N-OXIDES/ DIFFUSION/ ELECTRON SPIN RESONANCE/ FLUORESCENCE SPECTROMETRY/ HYDROGEN-ION CONCENTRATION/ *LIPIDS/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ *MEMBRANES, ARTIFICIAL/ METHODS/ MODELS, CHEMICAL/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ NAPHTHALENES/ PHOSPHOLIPIDS/ SCATTERING/ SULFONIC ACIDS/ TEMPERATURE

4290. **Traut EF:** The story of rheumatology in Chicago.
Ill Med J 144:67-8 passim, Jul 73
*ARTHRITIS, RHEUMATOID, history/ CHICAGO/ CORTISONE, therapeutic use/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ QUACKERY/ RHEUMATISM, diagnosis/ RHEUMATISM, drug therapy/ *RHEUMATISM, history

4291. **Treip CS:** Long-standing traumatic lesions of the hypothalamus. J Pathol 109:p13, Jan 73
ADULT/ AKINETIC MUTISM, etiology/ CORPUS CALLOSUM, injuries/ EPILEPSY, etiology/ FEMALE/ HEAD INJURIES, complications/ HUMAN/ *HYPOTHALAMUS, injuries/ HYPOTHALAMUS, pathology/ MALE/ MAMMILLARY BODIES, pathology/ MIDDLE AGE/ OBESITY, etiology/ OPTIC CHIASM, pathology

4292. **Troildenier H, Illner F, Strey A, et al:** Immunitätsreaktionen bei TURISYNCHRON -Verabreichung.
Arch Exp Veterinaermed 26:957-61, Dec 72 (Ger)
AGGLUTINATION TESTS/ ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION, drug effects/ BRUCELLA ABORTUS, immunology/ *BRUCELLOSIS, immunology/ CATTLE/ COMPLEMENT FIXATION TESTS/ ENGLISH ABSTRACT/ FEMALE/ HYDRAZINES, pharmacodynamics/ RATS/ SKIN TESTS/ SWINE/ *SWINE DISEASES, immunology/ *THIOUREA, pharmacodynamics

4293. **Trzeciak HI:** Biochemical and morphological alterations induced by long-term administration of epinephrine, metanephrine and thyroxine in rats.
Toxicol Appl Pharmacol 25:315-22, Jul 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ AORTA, anatomy & histology/ AORTA, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BLOOD, drug effects/ BODY WEIGHT, drug effects/ DRUG INTERACTIONS/ *EPINEPHRINE, pharmacodynamics/ EPINEPHRINE, toxicity/ HEART, drug effects/ KIDNEY, drug effects/ LIPIDS, blood/ LIPOPROTEINS, blood/ LIVER, drug effects/ MALE/ METHYL ETHER, pharmacodynamics/ METHYL ETHER, toxicity/ ORGAN WEIGHT/ RATS/ SPLEEN, drug effects/ *THYROXINE, pharmacodynamics/ THYROXINE, toxicity

4294. **Tsafriri A, Koch Y, Lindner HR:** Ovulation rate and serum LH levels in rats treated with indomethacin or prostaglandin E2. Prostaglandins 3:461-7, Apr 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ESTRUS, drug effects/ FEMALE/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ *OVULATION, drug effects/ OVUM, drug effects/ PHENOBARBITAL, analysis/ PHENOBARBITAL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

4295. **Tsafriri A, Lindner HR, Zor U, et al:** Physiological role of prostaglandins in the induction of ovulation.
Prostaglandins 2:1-10, Jul 72
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ESTRUS, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ *INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ *LH, pharmacodynamics/ MICROSCOPY, PHASE CONTRAST/ OVARY, cytology/ *OVULATION, drug effects/ OVUM, drug effects/ *PENTOBARBITAL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RATS/ SODIUM/ STIMULATION, CHEMICAL/ UTERUS, drug effects

4296. **Tsai CC, Taichman NS, Pulver WH, et al:** Heterophile antibodies and tissue injury. 3. A role for platelets in the development of lethal vascular injury during Forssman shock in guinea pigs.
Am J Pathol 72:179-200, Aug 73
*ANAPHYLAXIS, immunology/ ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ *ANTIBODIES, HETEROTYPIC/ ASPIRIN, pharmacodynamics/ BLOOD CELL COUNT/ BLOOD PLATELET DISORDERS, pathology/ *BLOOD PLATELETS, immunology/ *BLOOD VESSELS, pathology/ CAPILLARIES, pathology/ CARBON ISOTOPES/ COMPLEMENT, analysis/ *FORSSMAN ANTIGEN/ GUINEA PIGS/ IMMUNE SERUMS/ LEUKOCYTES, immunology/ LIVER, immunology/ *LUNG, blood supply/ LUNG, immunology/ MICROSCOPY, ELECTRON/ MORTALITY/ RABBITS, immunology/ SEROTONIN/ SHEEP, immunology/ SPLEEN, immunology/ SULFINPYRAZONE, pharmacodynamics/ TIME FACTORS

4297. **Tsai HC, Midgett RJ, Norman AW:** Studies on calciferol metabolism. VII. The effects of actinomycin D and cycloheximide on the metabolism, tissue and subcellular localization, and action of vitamin D3.
Arch Biochem Biophys 152:339-47, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CARBON ISOTOPES/ CHICKENS/ *CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ *CYCLOHEXIMIDE, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/

DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYLASES, metabolism/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, metabolism/ INTESTINES, cytology/ INTESTINES, drug effects/ *INTESTINES, metabolism/ KIDNEY, drug effects/ KIDNEY, enzymology/ MALE/ RICKETS, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM

. **Tsai HC, Norman AW:** Studies on calciferol metabolism. 8. Evidence for a cytoplasmic receptor for 1,25-dihydroxy-vitamin D3 in the intestinal mucosa. J Biol Chem 248:5967-75, 10 Sep 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ CHICKENS/ CHOLECALCIFEROL, therapeutic use/ CHROMATIN, metabolism/ *CYTOPLASM, metabolism/ CYTOSOL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ ESTRADIOL, metabolism/ HYDROXYCHOLECALCIFEROL, metabolism/ *HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINAL MUCOSA, cytology/ *INTESTINAL MUCOSA, metabolism/ MALE/ ORGAN SPECIFICITY/ PROTEIN BINDING/ RECEPTORS, DRUG/ RICKETS, drug therapy/ *RICKETS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

. **Tschöpe W, Bommer J, Krempien B, et al:** Wirbelkörperkollaps bei Dialyse-Osteopathie. Dtsch Med Wochenschr 98:1471-4, Aug 73 (Ger)
ADULT/ BIOMECHANICS/ CONVULSIONS, complications/ CONVULSIONS, etiology/ ENGLISH ABSTRACT/ *FRACTURES, etiology/ *HEMODIALYSIS, adverse effects/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ LONG TERM CARE/ MALE/ MALPRACTICE/ *RENAL OSTEODYSTROPHY, complications/ RENAL OSTEODYSTROPHY, etiology/ *THORACIC VERTEBRAE, injuries/ WATER INTOXICATION, complications

. **Tsitlanadze VG:** Nekotorye voprosy mekhanizma deistvila fonoforeza gidrokortizona na krolikov s ad"iuvantnym artritom.
Vopr Revm 12:19-22, Oct-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ *ARTHRITIS, drug therapy/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ FREUND'S ADJUVANT, toxicity/ *HYDROCORTISONE, TOPICAL, administration & dosage/ *IONTOPHORESIS/ RABBITS/ ULTRASONIC THERAPY

. **Tsukahara Y:** [Photoreceptor potential and rhodopsin cycle in invertebrate retina]
J Physiol Soc Jap 35:57-64, Feb 73 (43 ref.) (Jap)
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ARTHROPODS/ INSECTS/ LEECHES/ *MEMBRANE POTENTIALS/ MOLLUSCA/ OCTOPUS/ *PHOTORECEPTORS, physiology/ *RETINA, physiology/ *RETINAL PIGMENTS, metabolism/ REVIEW

. **Tsushima T, Friesen HG:** Radioreceptor assay for growth hormone.
J Clin Endocrinol Metab 37:334-7, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CELL MEMBRANE/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUCKS/ HUMAN/ IODINE ISOTOPES/ ISOTOPE LABELING/ LIVER/ METHODS/ MONKEYS/ PREGNANCY/ PROLACTIN/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, HORMONE/ SHEEP/ *SOMATOTROPIN, blood/ SWINE/ TURTLES

3. **Tsuya A, Tazaki H, Matsuura S, et al:** [Symposium; application and limitation of radiotherapy]
J Jap Soc Cancer Ther 8:25-37, 20 Mar 73 (Jap)
CERVIX NEOPLASMS, radiotherapy/ COBALT ISOTOPES, therapeutic use/ ESOPHAGEAL NEOPLASMS, radiotherapy/ FEMALE/ HUMAN/ MALE/ MAXILLARY NEOPLASMS, radiotherapy/ *NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, radiotherapy

4304. **Tsvetkova V, Kolebinov N:** Der NNR-Funktionstest bei Kindern mit rheumatischem Fieber.
Med Monatsschr 27:279-80, Jun 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND HYPOFUNCTION, chemically induced/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ CHILD/ *CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ LONG TERM CARE/ MALE/ *PITUITARY-ADRENAL FUNCTION TESTS/ *RHEUMATIC FEVER, drug therapy

4305. **Tuck JR, Punell G:** Uptake of (3H)5-hydroxytryptamine and (3H)noradrenaline by slices of rat brain incubated in plasma from patients treated with chlorimipramine, imipramine or amitroptyline. J Pharm Pharmacol 25:573-4, Jul 73
*AMITRIPTYLINE, therapeutic use/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ DEPRESSION, drug therapy/ *DIBENZAZEPINES, therapeutic use/ FEMALE/ HUMAN/ *IMIPRAMINE, therapeutic use/ IN VITRO/ NERVE ENDINGS, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ TRITIUM

4306. **Tuerck DG, Comer TP:** The pill, thromboembolism, and gallbladder disease. Lancet 2:317-8, 11 Aug 73
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *GALLBLADDER DISEASES, chemically induced/ HUMAN/ *THROMBOEMBOLISM, chemically induced/ THROMBOPHLEBITIS, chemically induced

4307. **Tuliaganov PD, Shodzhalilov ShSh, Bakhadyrov KB:** Iazvennaia bolezn'zheludka pri tserebral'no-gipofizarnom ozhirenii.
Ter Arkh 44:100-1, Dec 72 (Rus)
AUTOPSY/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *OBESITY, complications/ *PEPTIC ULCER PERFORATION, etiology/ PERITONITIS, diagnosis/ *PITUITARY DISEASES, complications/ *STOMACH ULCER, etiology

4308. **Tulloch BR, Vydelingum N, Lewis B, et al:** Triglyceride metabolism in thyroid disease.
Clin Sci 44:6P passim, Feb 73
HUMAN/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, metabolism/ LIPOPROTEIN LIPASE, metabolism/ *THYROID DISEASES, metabolism/ THYROIDITIS, blood/ THYROIDITIS, metabolism/ *TRIGLYCERIDES, metabolism

4309. **Tume RK, Newbold RP, Horgan DJ:** Changes in the fatty acid composition of sarcoplasmic reticulum lipids and calcium uptake activity.
Arch Biochem Biophys 152:485-90, Aug 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHROMATOGRAPHY, GAS/ COCONUT/ DIETARY FATS/ *FATTY ACIDS, metabolism/ FATTY ACIDS, ESSENTIAL/ FATTY ACIDS, UNSATURATED/ HYDROGENATION/ LINOLEIC ACID, metabolism/ *LIPIDS, metabolism/ OILS/ RATS/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ ULTRAFILTRATION

4310. **Tuomisto J, Ranta T, Saarinen A, et al:** Neurotransmission and secretion of thyroid-stimulating hormone. Lancet 2:510-1, 1 Sep 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ DISULFIRAM, pharmacodynamics/ DOPA, pharmacodynamics/

HYPOTHALAMUS, drug effects/ METHYLTYROSINES, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ PHENTOLAMINE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ RESERPINE, pharmacodynamics/ SYNAPSES, drug effects/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, secretion

4311. **Turganbaev Zh:** Morfologicheskiĭ analiz kletok Leidiga semennikov krys pri gipoksicheskoĭ gipoksii.
Sov Zdravookhr Kirg 5:23-8, Sep-Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ *ANOXIA, pathology/ ATMOSPHERE EXPOSURE CHAMBERS/ CYTOPLASM, analysis/ DNA, analysis/ *LEYDIG CELLS/ MALE/ RATS/ RNA, analysis/ *TESTIS, pathology

4312. **Turiaf J, Battesti JP, Jeanjean Y, et al:** Les récidives tardives de la sarcoïdose médiastino-pulmonaire traitée sans interruption pendant 2 ans par la cortisone.
Ann Med Interne (Paris) 124:31-6, Jan 73 **(Fre)**
ADULT/ *CORTISONE, therapeutic use/ FEMALE/ HUMAN/ LONG TERM CARE/ LUNG, radiography/ LUNG DISEASES, complications/ *LUNG DISEASES, drug therapy/ MALE/ MEDIASTINAL DISEASES, complications/ *MEDIASTINAL DISEASES, drug therapy/ MIDDLE AGE/ PROGNOSIS/ RECURRENCE/ SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ *SARCOIDOSIS, drug therapy

4313. **Türker RK:** Presence of histamine H2-receptors in the guinea-pig pulmonary vascular bed.
Pharmacology 9:306-11, 1973
ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIHISTAMINICS, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETHYLENEDIAMINES, pharmacodynamics/ FEMALE/ GUINEA PIGS/ *HISTAMINE, metabolism/ HISTAMINE, pharmacodynamics/ *IMIDAZOLES, pharmacodynamics/ IN VITRO/ LUNG, blood supply/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PULMONARY ARTERY, metabolism/ PULMONARY VEINS, metabolism/ PYRIDINES, pharmacodynamics/ *RECEPTORS, DRUG, drug effects/ SEROTONIN, pharmacodynamics/ *THIOUREA, pharmacodynamics

4314. **Turkington RW:** The clinical endocrinology of prolactin. Adv Intern Med 18:363-87, 1972 (97 ref.)
AMENORRHEA, drug therapy/ BIOLOGICAL ASSAY/ BRAIN NEOPLASMS, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ DOPA, therapeutic use/ FEMALE/ GYNECOMASTIA, physiopathology/ HUMAN/ HYPOTHALAMUS/ HYPOTHALAMUS, physiology/ LACTATION DISORDERS, diagnosis/ LACTATION DISORDERS, drug therapy/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PHENOTHIAZINES, diagnostic use/ PITUITARY GLAND, secretion/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY NEOPLASMS, physiopathology/ *PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ REVIEW/ SARCOIDOSIS, blood

4315. **Turlejska-Stelmasiak E:** Thermo-regulatory responses to hypothalamic heating in dehydrated rabbits.
Experientia 29:51-2, 1 May 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ *DEHYDRATION, physiopathology/ *HEAT/ *HYPOTHALAMUS, physiopathology/ RABBITS/ RESPIRATION/ STEREOTAXIC TECHNICS

4316. **Turner CE:** Meningitis and cephalothin therapy.
Ann Intern Med 79:135, Jul 73
ADULT/ AMPICILLIN, pharmacodynamics/ CASE REPORT/ *CEPHALOTHIN/ *COLITIS, ULCERATIVE, drug therapy/ *ESCHERICHIA COLI INFECTIONS/ FEMALE/ HUMAN/ *INTESTINAL PERFORATION, surgery/ *MENINGITIS, etiology/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, pharmacodynamics/ SURGICAL WOUND INFECTION

4317. **(Tutankhamun), Weller M:** Tutankhamun: an adrenal tumour. Lancet 2:1312, 16 Dec 72
ADRENAL GLAND NEOPLASMS, history/ EGYPT/ *FAMOUS PERSONS/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, ANCIENT

4318. **Tyack AJ, Parsons RJ, Millar DR, et al:** Plasma progesterone changes in abortion induced by hypertonic saline in the second trimester of pregnancy.
J Obstet Gynaecol Br Commonw 80:548-52, Jun 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ PREGNANCY/ PROGESTERONE, blood/ RADIOLIGAND ASSAY/ *SODIUM CHLORIDE, administration & dosage/ TIME FACTORS

4319. **Tylén U, Arnesjö B:** Angiographic diagnosis of inflammatory disease of the pancreas.
Acta Radiol [Diagn] (Stockh) 14:215-40, Mar 73
ACUTE DISEASE/ ADULT/ AGED/ AMYLASE, blood/ AMYLASE, urine/ ANGIOGRAPHY/ CALCIFICATION, PHYSIOLOGIC/ CHRONIC DISEASE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PANCREAS, blood supply/ PANCREATITIS, blood/ *PANCREATITIS, radiography/ PANCREATITIS, urine/ RECURRENCE/ TIME FACTORS

U

4320. **Uchi S, Fujita K, Saito K, et al:** [Thyroid test with Res-O-Mat ETR kit]
Clin Endocrinol (Tokyo) 21:627-31, Jun 73 **(Jap)**
FEMALE/ HUMAN/ MALE/ METHODS/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood

4321. **Uchida K, Kadowaki M, Miyake T, et al:** Further studies on the luteotropic action of estrogen in rats.
Endocrinol Jap 20:103-10, Apr 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ DEPRESSION, CHEMICAL/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ FSH, blood/ FSH, secretion/ GONADOTROPINS, PITUITARY, blood/ GONADOTROPINS, PITUITARY, secretion/ HYDROXYPROGESTERONE, secretion/ LH, blood/ LH, secretion/ *OVARY, secretion/ PITUITARY GLAND, physiology/ *PROGESTERONE, secretion/ PROLACTIN, blood/ PROLACTIN, secretion/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

4322. **Uchida K, Nomura Y, Kadowaki M, et al:** Stimulative and inhibitive effects of estrogen on cholesterol synthesis in rats. Endocrinol Jap 20:129-34, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTEROL, biosynthesis/ CHOLESTEROL, blood/ DEPRESSION, CHEMICAL/ *ESTROGENS, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS/ STIMULATION, CHEMICAL

4323. **Uchiyama M, Tanaka G, Yabumoto E:** 85Sr retention in Japanese after a single administration.
J Radiat Res (Tokyo) 14:169-79, Jun 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ AGED/ BODY BURDEN/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ JAPAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, metabolism/ STRONTIUM ISOTOPES, administration & dosage/ STRONTIUM ISOTOPES, diagnostic use/ *STRONTIUM

ISOTOPES, metabolism/ STRONTIUM ISOTOPES, urine

4. **Ufermann K, Heege-Dohr R, Kosenow W:** Augenbeteiligung beim Cockayne-Syndrom.
Klin Monatsbl Augenheilkd 162:655-8, May 73 **(Ger)**
*ABNORMALITIES, MULTIPLE, diagnosis/ CASE REPORT/ CHILD/ *CHROMOSOMES, HUMAN, 6-12/ *DWARFISM, complications/ ELECTRORETINOGRAPHY/ ENGLISH ABSTRACT/ EYE, abnormalities/ *EYE MANIFESTATIONS/ FEMALE/ HUMAN/ HYPEROPIA, diagnosis/ RETINITIS PIGMENTOSA, diagnosis/ SYNDROME/ *TRISOMY

5. **Uhthoff HK:** Mechanical factors influencing the holding power of screws in compact bone.
J Bone Joint Surg [Br] 55:633-9, Aug 73
ANIMAL EXPERIMENTS/ *BIOMECHANICS/ *BONE AND BONES/ BONE AND BONES, physiology/ BONE REGENERATION/ BONE SCREWS/ CALLUS, physiology/ CELL DIFFERENTIATION/ DOGS/ FRACTURE FIXATION, INTERNAL/ FRACTURES, surgery/ *ORTHOPEDIC FIXATION DEVICES/ STRESS, MECHANICAL/ TIME FACTORS

6. **Ulick S:** Application of radioimmunoassay to the renin-angiotensin system and to aldosterone.
Metabolism 22:1027-32, Aug 73 (42 ref.)
*ALDOSTERONE, blood/ ALDOSTERONE, physiology/ ALDOSTERONE, urine/ *ANGIOTENSIN, blood/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ IMMUNE SERUMS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ *RENIN, blood/ RENIN, physiology/ REVIEW

7. **Ullmann SL:** Oogenesis in Tenebrio molitor: histological and autoradiographical observations on pupal and adult ovaries.
J Embryol Exp Morphol 30:179-217, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIFFERENTIATION/ CELLS, CULTURED/ DENSITOMETRY/ DNA, biosynthesis/ FEMALE/ HISTOCYTOCHEMISTRY/ LEUCINE, metabolism/ METHIONINE, metabolism/ MITOSIS/ OVARY, growth & development/ OVARY, metabolism/ *OVUM, growth & development/ OVUM, metabolism/ PHENYLALANINE, metabolism/ PROTEINS, biosynthesis/ PUPA/ RNA, biosynthesis/ *TENEBRIO, growth & development/ THYMIDINE, metabolism/ TRITIUM

8. **Ullrich KJ:** Anatomie eines Epithels. Analyse des Stofftransportes durch den proximalen Nierentubulus.
Naturwissenschaften 60:290-7, Jun 73 (68 ref.) **(Ger)**
ADENOSINE TRIPHOSPHATASE, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CENTRIFUGATION, DENSITY GRADIENT/ CHLORIDES, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, metabolism/ GLUCOSE, metabolism/ HYDROGEN, metabolism/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, PROXIMAL, cytology/ KIDNEY TUBULES, PROXIMAL, enzymology/ KIDNEY TUBULES, PROXIMAL, metabolism/ PERFUSION/ POTASSIUM, metabolism/ RATS/ REVIEW/ SODIUM, metabolism

9. **Ulutin ON:** The thrombopathic syndrome.
Rev Bras Pesqui Med Biol 6:83-91, Jan-Apr 73
ALBINISM, blood/ ALDRICH SYNDROME, blood/ *BLOOD PLATELET DISORDERS, classification/ EHLERS-DANLOS SYNDROME, blood/ EOSINOPHILIA, classification/ HUMAN/ OSTEOGENESIS IMPERFECTA, blood/ THROMBOPENIA, classification

4330. **Umehara C:** [Etiology and treatment of gastric ulcer--results of experimental ulcer induced by clamping and cortisone or serosa searing]
Jap J Gastroenterol 70:351-8, Apr 73 (41 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ CORTISONE/ GASTRIC MUCOSA, metabolism/ GASTRIC MUCOSA, physiology/ HEAT/ MUCOPOLYSACCHARIDES, secretion/ RATS/ REGENERATION/ REVIEW/ SEROUS MEMBRANE/ STOMACH ULCER, chemically induced/ *STOMACH ULCER, etiology/ STOMACH ULCER, metabolism/ STOMACH ULCER, pathology/ STOMACH ULCER, therapy/ URONIC ACIDS, metabolism

4331. **Umeyama K, Satake K, Matsushita M, et al:** Endocrine function of the allotransplanted pancreas in dogs.
Osaka City Med J 18:9-20, 1972
AMYLASE, blood/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ BLOOD SUGAR, metabolism/ DOGS/ FEMALE/ IMMUNOSUPPRESSIVE AGENTS/ INSULIN, blood/ *ISLANDS OF LANGERHANS, physiology/ LIPASE, blood/ MALE/ *PANCREAS, transplantation/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

4332. **Umminger BL, Gist DH:** Effects of thermal acclimation on physiological responses to handling stress, cortisol and aldosterone injections in the goldfish, Carassius auratus.
Comp Biochem Physiol [A] 44:967-77, 1 Mar 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BODY TEMPERATURE REGULATION/ BODY WATER, metabolism/ CHLORIDES, blood/ *CYPRINIDAE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ MICROCHEMISTRY/ SODIUM, blood/ STRESS, blood/ TEMPERATURE

4333. **Umsawasdi T, Middleman EA, Luna M, et al:** Klebsiella bacteremia in cancer patients.
Am J Med Sci 265:473-82, Jun 73
ADOLESCENCE/ ADULT/ AGED/ AGRANULOCYTOSIS, complications/ ANTIBIOTICS, therapeutic use/ BLOOD CELL COUNT/ CHILD/ CHILD, PRESCHOOL/ DRUG RESISTANCE, MICROBIAL/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT/ KLEBSIELLA, drug effects/ *KLEBSIELLA INFECTIONS, complications/ KLEBSIELLA INFECTIONS, drug therapy/ LEUKEMIA, complications/ LYMPHOMA, complications/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *NEOPLASMS, complications/ NEOPLASMS, drug therapy/ NEUTROPHILS/ PROGNOSIS/ *SEPTICEMIA, complications/ SEPTICEMIA, drug therapy

4334. **Unbehaun V, Conradt A, Günther J:** Behandlung der Blasenmole durch Weheneinleitung mi Prostaglandin F2-alpha.
Geburtshilfe Frauenheilkd 33:436-9, Jun 73 **(Ger)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, drug therapy/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ PREGNANCY/ PREGNANCY TOXEMIAS, complications/ PROSTAGLANDINS, therapeutic use

4335. **Ungar F, Tabakoff B, Allvisatos SG:** Inhibition of binding of aldehydes of biogenic amines in tissues.
Biochem Pharmacol 22:1905-13, 1 Aug 73
ACETALDEHYDE, metabolism/ *ALDEHYDES, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ *BIOGENIC AMINES, metabolism/ BRAIN, cytology/ BRAIN, enzymology/ BRAIN, metabolism/ CARBON ISOTOPES/ CATECHOL, pharmacodynamics/ CYSTEINE, pharmacodynamics/ DOPAMINE, metabolism/ GLUTATHIONE, pharmacodynamics/ IN VITRO/ INDOLES, metabolism/ INDOLES, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ PHENETHYLAMINES, metabolism/ RATS/ SEROTONIN, metabolism/

SPECTROPHOTOMETRY/ TRYPTAMINES, metabolism

4336. **Unger GF, Scanlon GT, Fink JN, et al:** A radiologic approach to hypersensitivity pneumonias.
Radiol Clin North Am 11:339-56, Aug 73 (26 ref.)
ACTINOMYCES/ ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY COMPLEX/ ASTHMA, immunology/ BIOPSY/ BRONCHITIS, immunology/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ DUST/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ IGE, biosynthesis/ LUNG, pathology/ LUNG DISEASES, FUNGAL, immunology/ *LUNG DISEASES, FUNGAL, radiography/ PIGEONS/ PNEUMONIA, drug therapy/ PNEUMONIA, etiology/ PNEUMONIA, immunology/ PNEUMONIA, pathology/ *PNEUMONIA, radiography/ PNEUMONIA, INTERSTITIAL PLASMA CELL, etiology/ *RESPIRATORY HYPERSENSITIVITY, radiography/ REVIEW

4337. **Ungher J, Rogozea R:** Le rôle de l'hippocampe dans le comportement.
Rev Neurol (Paris) 127:295, Aug 72 (Fre)
ANIMAL EXPERIMENTS/ APPETITE/ *BEHAVIOR, ANIMAL/ CATS/ ELECTROENCEPHALOGRAPHY/ FEEDING BEHAVIOR/ GROOMING/ *HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology

4338. **Ungher J, Sirian S:** Selective influence of functional interrelations between lateral hypothalamus and dorsal hippocampus on integration of cats approach investigating activity: Behavioural and EEG data.
Rev Roum Neurol 10:183-99, 1973
AGGRESSION/ ANIMAL EXPERIMENTS/ AROUSAL/ *BEHAVIOR, ANIMAL/ CATS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ FEEDING BEHAVIOR/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology

4339. **Unglaub W, Afschar A, Marx D:** Die Aktivität der gamma-GT (gamma-Glutamyltranspeptidase) im Serum des Rindes.
Dtsch Tieraerztl Wochenschr 80:131-4, 15 Mar 73 (Ger)
*ACYLTRANSFERASES, blood/ ANIMAL EXPERIMENTS/ *CATTLE/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMATES/ GLUTAMYL TRANSPEPTIDASE, blood/ LACTATION/ PREGNANCY/ SPECIES SPECIFICITY

4340. **Unzelman RF, Alderfer GR, Chojnacki RE:** Pregnancy and chronic hemodialysis.
Trans Am Soc Artif Intern Organs 19:144-9, 1973
ADULT/ ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BICARBONATES, blood/ BILE ACIDS AND SALTS, blood/ BILIRUBIN, blood/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CALCIUM, blood/ CARBON DIOXIDE, blood/ CREATININE, blood/ ESTROGENS, blood/ FEMALE/ GLOMERULONEPHRITIS, therapy/ HEMATOCRIT/ *HEMODIALYSIS/ HUMAN/ INFANT, NEWBORN/ *KIDNEY FAILURE, CHRONIC, therapy/ PREGNANCY/ *PREGNANCY COMPLICATIONS, therapy/ PROTEINURIA/ SERUM ALBUMIN, analysis

4341. **Uppington J:** Epileptiform convulsion with Althesin.
Anaesthesia 28:546-50, Sep 73
ADULT/ *ANESTHETICS, adverse effects/ BODY HEIGHT/ BODY WEIGHT/ *CONVULSIONS, chemically induced/ DRUG COMBINATIONS/ ELECTROCARDIOGRAPHY/ EPILEPSY, chemically induced/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, adverse effects/ KETOSTEROIDS, adverse effects/ *PREGNANES, adverse effects

4342. **Upton AR, McComas AJ:** The double crush in nerve entrapment syndromes. Lancet 2:359-62, 18 Aug 73
ACCIDENTS, TRAFFIC/ ARTHRITIS, RHEUMATOID, complications/ AXOPLASMIC FLOW/ CARPAL TUNNEL SYNDROME/ CERVICAL VERTEBRAE, innervation/ DIABETES MELLITUS, complications/ ELBOW, innervation/ ELECTROMYOGRAPHY/ HUMAN/ MYXEDEMA, complications/ NECK, innervation/ *NERVE COMPRESSION SYNDROMES/ NERVE COMPRESSION SYNDROMES, etiology/ NEUROSECRETION/ OBESITY, complications/ SPINAL NERVE ROOTS/ ULNAR NERVE, injuries/ WRIST, innervation/ WRIST INJURIES, complications

4343. **Upton GV, Corbin A, Mabry CC, et al:** Evidence for the internal feedback phenomenon in human subjects: effects of ACTH on plasma CRF.
Acta Endocrinol (Kbh) 73:437-43, Jul 73
ADOLESCENCE/ CHILD/ *CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN RELEASING FACTOR, blood/ DEPRESSION, CHEMICAL/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, metabolism/ *DIABETES MELLITUS, JUVENILE, blood/ DIABETES MELLITUS, JUVENILE, metabolism/ FEEDBACK/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MIDDLE AGE/ PITUITARY GLAND, physiology

4344. **Urbaniak SJ, Penhale WJ, Irvine WJ:** T lymphocytes in Hashimoto's thyroiditis. Lancet 2:452-3, 25 Aug 73
CELL SEPARATION/ HUMAN/ IMMUNE ADHERENCE REACTION/ METHODS/ SHEEP/ *THYROIDITIS, LYMPHOMATOUS, immunology

4345. **Uriel J, Aussel C, Bouilion D, et al:** Localization of rat liver alpha-foetoprotein by cell affinity labelling with tritiated oestrogens.
Nature [New Biol] 244:190-2, 8 Aug 73
ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM, analysis/ AUTORADIOGRAPHY/ DIMETHYLAMINOAZOBENZENE/ ESTROGENS, metabolism/ *FETUS, immunology/ *HEPATOMA, immunology/ *LIVER, immunology/ LIVER NEOPLASMS, chemically induced/ *LIVER NEOPLASMS, immunology/ METHODS/ NEOPLASMS, EXPERIMENTAL, immunology/ NITROSAMINES/ RATS/ TRITIUM

4346. **Usadel KH, Nieschlag E, Herrmann J, et al:** Thyroid function and morphology in rabbits following active immunization with thyroxine or triiodothyronine.
Acta Endocrinol [Suppl] (Kbh) 173:12, 1973
ANIMAL EXPERIMENTS/ IMMUNIZATION/ MALE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROID GLAND, physiology/ THYROTROPIN, secretion/ THYROXINE, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism

4347. **Usui T, Kawamoto H:** [Colorimetric determination of steroid hormones in the blood]
Jap J Clin Pathol 20:387-90, Jun 72 (Jap)
*COLORIMETRY/ CORTICOSTERONE, isolation & purification/ FLUORESCENCE SPECTROMETRY/ HUMAN/ HYDROCORTISONE, isolation & purification/ 11-HYDROXYCORTICOSTEROIDS, blood/ METHODS/ TRANSCORTIN, blood

4348. **Uthne K:** Human somatomedians. Purification and some studies on their biological actions.
Acta Endocrinol [Suppl] (Kbh) 175:1-35, 1973
ADIPOSE TISSUE, drug effects/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CARTILAGE, metabolism/ CHICK EMBRYO/ DIAPHRAGM/ DNA, biosynthesis/ EPIDIDYMIS/ GLUCOSE, metabolism/ HUMAN/ HYPOPHYSECTOMY/ INSULIN, blood/ LIVER, metabolism/ METHODS/ MOLECULAR WEIGHT/ MUSCLES, metabolism/ NEUROGLIA, metabolism/ RATS/ *SOMATOMEDIN/ SOMATOMEDIN, blood/ SOMATOMEDIN, isolation & purification/ SOMATOMEDIN, metabolism/ SOMATOMEDIN, pharmacodynamics

9. **Utian WH:** Hormone replacement therapy for menopausal symptoms. Lancet 2:733, 29 Sep 73
*ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE/ VAGINAL SMEARS

0. **Uzunov P, Weiss B:** Psychopharmacological agents and the cyclic AMP system of rat brain.
Adv Cyclic Nucleotide Res 1:435-53, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN STEM, drug effects/ BRAIN STEM, metabolism/ CEREBELLUM, drug effects/ CEREBELLUM, metabolism/ CHLORPROMAZINE, pharmacodynamics/ *CHLORPROTHIXENE, pharmacodynamics/ DIMETHYLTRYPTAMINE, pharmacodynamics/ *HALOPERIDOL, pharmacodynamics/ *LITHIUM, pharmacodynamics/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PHENOTHIAZINE TRANQUILIZERS, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PROMETHAZINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ TRIFLUOPERAZINE, pharmacodynamics/ TRYPTAMINES, pharmacodynamics

1. **Uzunova A, Hanna EE:** B-cell amplification by dibutyryl cyclic AMP in mice. Cell Immunol 7:507-11, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBODY PRODUCING CELLS, immunology/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, immunology/ IMMUNE SERUMS/ MALE/ MICE/ MICE, INBRED C57BL/ SHEEP, immunology/ THYMECTOMY/ THYMUS GLAND, drug effects/ *THYMUS GLAND, immunology

V

2. **Vaernet K:** Stereotaxic amygdalotomy in temporal lobe epilepsy. Confin Neurol 34:176-80, 1972
ADOLESCENCE/ ADULT/ AFFECT/ *AMYGDALOID BODY, surgery/ ATTENTION/ CHILD/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, TEMPORAL LOBE, surgery/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INTELLIGENCE/ LATERALITY/ MALE/ MEMORY/ MIDDLE AGE/ STEREOTAXIC TECHNICS

3. **Vague J, Mattei A, Rubin P:** Retards pubertaires masculins et féminins.
Probl Actuels Endocrinol Nutr 16:121-8, 3 May 73 **(Fre)**
ADOLESCENCE/ EUNUCHISM/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOGONADISM, drug therapy/ KLINEFELTER'S SYNDROME/ MALE/ OVARIAN DISEASES/ *PUBERTY/ TIME FACTORS

4. **Vaille C, Debray C, De la Tour J, et al:** Action de la vagotonine sur les secretions pancréatique externe et biliaire du rat.
Ann Pharm Fr 30:745-53, Nov 72 **(Fre)**
AMYLASE, analysis/ ANIMAL EXPERIMENTS/ BILE, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HORMONES, pharmacodynamics/ HORSES/ INSULIN, pharmacodynamics/ *LIVER, drug effects/ LIVER, secretion/ MALE/ *PANCREAS, drug effects/ PANCREAS, secretion/ *PANCREATIC EXTRACTS, pharmacodynamics/ PANCREATIC JUICE, analysis/ PROTEINS, analysis/ RATS/ TIME FACTORS

5. **Vainsel M:** Effects of parathyroid hormone and calcium on renal reabsorption of bicarbonate in children.
Biomedicine 18:112-7, Mar 73
ACETAZOLAMIDE, pharmacodynamics/ BICARBONATES, metabolism/ *BICARBONATES, urine/ *CALCIUM, pharmacodynamics/ CHILD, PRESCHOOL/ FEMALE/ GLOMERULAR FILTRATION RATE/ IN VITRO/ INFANT/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, DISTAL, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ MALE/ *PARATHYROID HORMONE, pharmacodynamics

4356. **Vaishnava H, Rizvi SN:** Vitamin-D deficiency osteomalacia in Asians. Lancet 2:621-2, 15 Sep 73
FEMALE/ HUMAN/ INDIA/ MALE/ *OSTEOMALACIA, etiology/ *SUNLIGHT/ *VITAMIN D DEFICIENCY, complications

4357. **Vakil DV, Morgan RW:** Etiology of breast cancer. II. Epidemiologic aspects.
Can Med Assoc J 109:201-6, 4 Aug 73 (97 ref.)
ADULT/ AFRICA/ AGE FACTORS/ ASIA/ BODY HEIGHT/ BODY WEIGHT/ BREAST FEEDING/ BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, microbiology/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, occurrence/ CANADA/ ESTROGENS, adverse effects/ EUROPE/ FEMALE/ HUMAN/ INDIA/ INDIANS, NORTH AMERICAN/ ISRAEL/ JAPAN/ MALE/ MAMMARY CANCER VIRUS, pathogenicity/ MARRIAGE/ MENARCHE/ MENOPAUSE/ MIDDLE AGE/ ONCOGENIC VIRUSES, pathogenicity/ PARITY/ REVIEW/ SOCIOECONOMIC FACTORS/ UNITED STATES

4358. **Val'dman AV, Kozlovskaia MM:** Eksperimental'noe izuchenie emotsional'nykh sostoianii u zhivotnykh.
Usp Fiziol Nauk 4:31-52, Jan-Mar 73 (91 ref.) **(Rus)**
AGGRESSION/ ANGER/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BRAIN, physiology/ BRAIN STEM, physiology/ CEREBRAL CORTEX, physiology/ COMMUNISM/ ELECTRIC STIMULATION/ *EMOTIONS/ FEAR/ HIGHER NERVOUS ACTIVITY/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ MODELS, BIOLOGICAL/ NEUROPHYSIOLOGY/ PSYCHOPHARMACOLOGY/ PSYCHOPHYSIOLOGY/ REVIEW/ SPECIES SPECIFICITY

4359. **Valeri CR, Altschule MD:** Hemolysis in vitro of blood obtained from patients with traumatic injuries.
J Trauma 13:678-86, Aug 73
ADRENOCHROME, blood/ ANEMIA, HYPOCHROMIC, blood/ ERYTHROCYTES/ HEMOGLOBIN, analysis/ *HEMOLYSIS/ HUMAN/ MALE/ METHODS/ SPECTROPHOTOMETRY/ TEMPERATURE/ TIME FACTORS/ *WOUNDS AND INJURIES, blood

4360. **Vallet B, Callis A, Collet H, et al:** Etude comparative du 2,3-diphosphoglycérate érythrocytaire chez l'homme normal ou hyperthyroïdein.
C R Soc Biol (Paris) 166:1750-2, 1972 **(Fre)**
*ERYTHROCYTES, analysis/ *GLYCEROPHOSPHATES, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ METHODS/ SPECTROPHOTOMETRY

4361. **Valotaire Y, Duval J:** Regulation of rat pituitary thymidine kinase activity by androgens.
Acta Endocrinol (Kbh) 73:612-24, Jul 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, enzymology/ RATS/ *STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ *THYMIDINE KINASE, metabolism

4362. **Valueva TK, Antonenko AV, Starikova ON, et al:** Vliianie adrenalectomii na razvitie giperchuvstvitel'nosti zamedlennogo tipa u morskikh svinok.

Patol Fiziol Eksp Ter 16:71-3, Nov-Dec 72 (Rus)
*ADRENAL GLANDS, physiology/ *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CELL MIGRATION INHIBITION/ ENGLISH ABSTRACT/ FREUND'S ADJUVANT, pharmacodynamics/ GUINEA PIGS/ *HYPERSENSITIVITY, DELAYED/ IMMUNE SERUMS, pharmacodynamics/ MALE/ SKIN TESTS/ TIME FACTORS

4363. **Vanat SV, Vanat IM:** Dva sluchaiia opolasyvaiushchego lishaia u detef, bol'nykh infektsionnym gepatitom.
Vestn Dermatol Venerol 47:73-4, Mar 73 (Rus)
CHICKENPOX, microbiology/ CHILD/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, drug therapy/ *HERPES ZOSTER, etiology/ HUMAN/ MALE/ PREDNISOLONE, adverse effects

4364. **Vance VK:** Human renal prostaglandins.
Prostaglandins 3:647-67, May 73
ANIMAL EXPERIMENTS/ AUTOPSY/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ *HYPERTENSION, metabolism/ *KIDNEY, analysis/ KIDNEY, pathology/ KIDNEY CORTEX, analysis/ KIDNEY MEDULLA, analysis/ *KIDNEY NEOPLASMS, metabolism/ LIPIDS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ PENTOLINIUM TARTRATE, pharmacodynamics/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, pharmacodynamics/ RATS/ RENAL ARTERY OBSTRUCTION, blood/ TRITIUM/ UTERUS, drug effects

4365. **Vance VK, Lee JB:** Hypertension and human renal prostaglandins. Med Ann DC 42:419-22, Sep 73 (31 ref.)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ HUMAN/ *HYPERTENSION/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ KIDNEY, analysis/ KIDNEY, metabolism/ LIPIDS, therapeutic use/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ RABBITS/ RADIOIMMUNOASSAY/ REVIEW/ VASODILATOR AGENTS, therapeutic use

4366. **Vandaele R:** Multiple granulomatous artefacts caused by a depilatory (Veet-cream).
Arch Belg Dermatol Syphiligr 28:267-74, Jul-Sep 72
CASE REPORT/ *DERMATITIS MEDICAMENTOSA, etiology/ FEMALE/ *GRANULOMA, chemically induced/ HUMAN/ MALINGERING/ MIDDLE AGE/ OINTMENTS/ SELF MUTILATION/ THIOGLYCOLATES/ THIOUREA

4367. **Van den Berghe H, Van Eygen M, Fryns JP, et al:** Partial Trisomy 1, Karyotype 46,XY,12-,t(1q,12p)+.
Humangenetik 18:225-30, 25 May 73
ABNORMALITIES, MULTIPLE/ ADULT/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 6-12/ FEMALE/ FLUORESCENCE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ QUINACRINE/ SEX CHROMOSOMES/ *TRISOMY

4368. **Van den Schrieck HG, De Nayer P, De Visscher M:** A propos du rôle de la préalbumine dans le transport physiologique de la thyroxine.
Ann Endocrinol (Paris) 34:79-83, Jan-Feb 73 (Fre)
ELECTROPHORESIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ THYROXINE, physiology/ THYROXINE-BINDING PROTEIN, analysis/ *THYROXINE-BINDING PROTEIN, physiology

4369. **Van der Walt JJ, Marcus PB, De Wet JJ, et al:** Malacoplakia of the vagina. First case report.
S Afr Med J 47:1342-4, 4 Aug 73
AGED/ AMPHOTERICIN B, therapeutic use/ BIOPSY/ DOXYCYCLINE, therapeutic use/ ESCHERICHIA COLI, isolation & purification/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALACOPLAKIA, drug therapy/ MALACOPLAKIA, microbiology/ *MALACOPLAKIA, pathology/ MICROSCOPY, ELECTRON/ TETRACYCLINE, therapeutic use/ VAGINA, microbiology/ VAGINA, pathology/ VAGINAL DISEASES, drug therapy/ VAGINAL DISEASES, microbiology/ *VAGINAL DISEASES, pathology

4370. **Van de Vorst A:** H-adduct radicals in x-irradiated frozen solutions of uracil derivatives.
Int J Radiat Biol 24:81-5, Jul 73
DEOXYURIDINE, radiation effects/ ELECTRON SPIN RESONANCE/ FREE RADICALS/ FREEZING/ *RADIATION EFFECTS/ THIOURACIL, radiation effects/ *URACIL, radiation effects

4371. **Van Doorn EJ, Clark AF:** In vitro studies on the inhibition of pig liver steroid delta4-5beta-reductase activity by naturally occurring and synthetic estrogens. Biochim Biophys Acta 309:254-62, 6 Jun 73
ALDOSTERONE/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CYPROTERONE/ DIETHYLSTILBESTROL/ ESTRADIOL/ *ESTROGENS/ ETHINYL ESTRADIOL/ FEMALE/ GEL FILTRATION/ HORSES/ HYDROCORTISONE/ KETOSTEROIDS/ KINETICS/ *LIVER, enzymology/ *OXIDOREDUCTASES, antagonists & inhibitors/ OXIDOREDUCTASES, isolation & purification/ PRECIPITATION/ SULFURIC ACIDS/ SWINE/ TESTOSTERONE

4372. **Van Dyk HJ:** Empty-sella syndrome.
Lancet 2:574, 8 Sep 73
EYE DISEASES, etiology/ HUMAN/ OPTIC ATROPHY, complications/ PITUITARY GLAND, abnormalities/ *SELLA TURCICA/ SYNDROME/ *VISUAL FIELDS

4373. **Vanha-Perttula T:** Spermatogeneesin morfologiset ja biokemialliset erikoispiirteet.
Duodecim 89:615-32, 1973 (67 ref.) (Fin)
ANIMAL EXPERIMENTS/ CELL SURVIVAL/ CHROMATIDS/ CYTOPLASM/ DNA, biosynthesis/ ENGLISH ABSTRACT/ FSH, metabolism/ HUMAN/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LH, metabolism/ MALE/ MEIOSIS/ RATS/ REVIEW/ RNA, biosynthesis/ SERTOLI CELLS/ *SPERMATOGENESIS/ *SPERMATOZOA/ SPERMATOZOA, cytology/ SPERMATOZOA, enzymology/ SPERMATOZOA, metabolism/ TIME FACTORS

4374. **Van Orden DE, Farley DB:** Prostaglandin F2 radioimmunoassay utilizing polyethylene glycol separation technique. Prostaglandins 4:215-33, Aug 73
CHROMATOGRAPHY/ CROSS REACTIONS/ FEMALE/ GLYCOLS/ HUMAN/ IMMUNE SERUMS/ LABOR/ MALE/ MENSTRUATION/ METHODS/ OVARY, analysis/ OVULATION/ POLYETHYLENES/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TIME FACTORS/ TRITIUM/ UTERUS, analysis

4375. **Van Scott EJ:** Psoriasis: practical therapeutic perspectives. Ration Drug Ther 7:1-5, Aug 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ DERMATOLOGIC AGENTS, therapeutic use/ EMULSIONS/ HUMAN/ METHOTREXATE, therapeutic use/ *PSORIASIS, drug therapy/ TARS, therapeutic use/ ULTRAVIOLET THERAPY

6. **Vaptzarova KI, Popov PG, Galabov GP:** Tyrosine-alpha-ketoglutarate aminotransferase activity in rat liver after spinal cord section. J Neurochem 21:291-300, Aug 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ CORTICOSTERONE, blood/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ GLUCOSE, metabolism/ HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ KINETICS/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ OROTIC ACID, metabolism/ PERITONEUM, metabolism/ PITUITARY GLAND, physiology/ RATS/ *SPINAL CORD, physiology/ TRITIUM/ *TYROSINE AMINOTRANSFERASE, biosynthesis

7. **Varga L, Wenner R, Del Pozo E:** Treatment of galactorrhea-amenorrhea syndrome with Br-ergocryptine (CB 154): restoration of ovulatory function and fertility.
Am J Obstet Gynecol 117:75-9, 1 Sep 73
ADULT/ AMENORRHEA, complications/ *AMENORRHEA, drug therapy/ BROMINE, pharmacodynamics/ BROMINE, therapeutic use/ CLOMIPHENE, therapeutic use/ DOPA, therapeutic use/ ERGOT ALKALOIDS, pharmacodynamics/ *ERGOT ALKALOIDS, therapeutic use/ ESTROGENS, urine/ FEMALE/ *FERTILITY, drug effects/ GONADOTROPINS, urine/ HUMAN/ INFANT, NEWBORN/ LACTATION DISORDERS, complications/ *LACTATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, drug therapy/ *OVULATION, drug effects/ PITUITARY HORMONES, physiology/ PREGNANCY/ PREGNANEDIOL, urine/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, physiology/ SYNDROME

8. **Varga M:** Opthalmologische Komplikationen nach oraler Kontrazeption.
Klin Monatsbl Augenheilkd 162:621-9, May 73 (Ger)
ADULT/ CATARACT, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ EMBOLISM, chemically induced/ ENGLISH ABSTRACT/ *EYE DISEASES, chemically induced/ FEMALE/ HEADACHE, chemically induced/ HUMAN/ MESTRANOL, adverse effects/ MIGRAINE, chemically induced/ NORETHYNODREL, adverse effects/ RETINAL ARTERY/ THROMBOSIS, chemically induced

9. **Vargaftig BB, Zirinis P:** Platelet aggregation induced by arachidonic acid is accompanied by release of potential inflammatory mediators distinct from PGE2 and PGF2. Nature [New Biol] 244:114-6, 25 Jul 73
ACETAMINOPHEN, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ AORTA/ *ARACHIDONIC ACID, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BIOLOGICAL ASSAY/ BLOOD PLATELETS, metabolism/ CLOFIBRATE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ INFLAMMATION/ PHENYLBUTAZONE, pharmacodynamics/ *PLATELET ADHESIVENESS/ PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ TISSUE EXTRACTS, analysis/ *VASOCONSTRICTOR AGENTS/ VASOCONSTRICTOR AGENTS, analysis

10. **Varkarakis MJ, Kirdani RY, Abramczyk J, et al:** Effects of castration, androgens, and estrogens on steroid levels in the dog prostate.
Invest Urol 11:106-13, Sep 73
ANIMAL EXPERIMENTS/ BODY FLUIDS, analysis/ *CASTRATION/ *DIETHYLSTILBESTROL, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ DOGS/ *ESTRIOL, metabolism/ ESTRIOL, pharmacodynamics/ HYDROLYSIS/ INJECTIONS, INTRAVENOUS/ MALE/ *PROSTATE, analysis/ PROSTATE, metabolism/ PROSTATE, secretion/ PROTEIN BINDING/ RADIOISOTOPES/ *STEROIDS, analysis/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

4381. **Varley KG, Dhalla NS:** Excitation-contraction coupling in heart. XII. Subcellular calcium transport in isoproterenol-induced myocardial necrosis.
Exp Mol Pathol 19:94-105, Aug 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ HEART DISEASES, chemically induced/ *HEART DISEASES, metabolism/ HYDROGEN-ION CONCENTRATION/ ISOPROTERENOL/ MICROSOMES, metabolism/ MITOCHONDRIA, MUSCLE, metabolism/ *MYOCARDIUM, metabolism/ NECROSIS, chemically induced/ *NECROSIS, metabolism/ RABBITS/ RATS/ TEMPERATURE/ TIME FACTORS

4382. **Varrone S, Di Lauro R, Macchia V:** Stimulation of polypeptide synthesis by cyclic 3'-5'-guanosine monophosphate.
Arch Biochem Biophys 152:334-8, Aug 73
ANIMAL EXPERIMENTS/ BUTYRATES/ CELL-FREE SYSTEM/ ESCHERICHIA COLI, metabolism/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ IN VITRO/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ PEPTIDE CHAIN ELONGATION/ PEPTIDE ELONGATION FACTORS/ *PEPTIDES, biosynthesis/ PHENYLALANINE, metabolism/ RATS/ RNA, BACTERIAL, metabolism/ RNA, TRANSFER, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM

4383. **Vartapetov BA, Demchenko AN, Kondrat'eva ZA:** Vozrastnaia dinamika ekskretsii estrogenov u muzhchin i ee izmenenie pri patologicheskom klimakse i gipogonadizme.
Probl Endokrinol (Mosk) 19:45-9, May-Jun 73 (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CLIMACTERIC/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ EUNUCHISM, physiopathology/ HUMAN/ *HYPOGONADISM, urine/ KLINEFELTER'S SYNDROME, urine/ MALE/ MIDDLE AGE/ TESTICULAR DISEASES, physiopathology

4384. **Vasil'chuk IuM:** Soderzhania adrenalina i noradrenalina v nadpochechnikakh pri mekhanicheskoi zhelтukhe v eksperimente. Klin Khir 12:40-3, Dec 72 (Rus)
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, metabolism/ *JAUNDICE, OBSTRUCTIVE, metabolism/ LAPAROTOMY/ MALE/ *NOREPINEPHRINE, metabolism/ RATS

4385. **Vasiukova EA, Kasatkina EP, Bazarbekova RB, et al:** Gonadotropnaia funktsiia u bol'nykh s gipogenitalizmom.
Ter Arkh 44:108-11, Nov 72 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, secretion/ GONADS, physiopathology/ HERMAPHRODITISM, diagnosis/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOGONADISM, physiopathology/ HYPOGONADISM, urine/ *KLINEFELTER'S SYNDROME, diagnosis/ KLINEFELTER'S SYNDROME, physiopathology/ KLINEFELTER'S SYNDROME, urine/ *LH, urine/ MALE

4386. **Vaughan ED Jr, Laragh JH, Gavras I, et al:** Volume factor in low and normal renin essential hypertension. Treatment with either spironolactone or chlorthalidone. Am J Cardiol 32:523-32, 20 Sep 73
ADULT/ AGED/ ALDOSTERONE, urine/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ CHLORTHALIDONE, administration & dosage/ *CHLORTHALIDONE, therapeutic use/ CREATININE, blood/

FEMALE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ *RENIN, blood/ SODIUM, urine/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, therapeutic use

4387. **Vauzelle C, Stagnara P, Jouvinroux P:** Functional monitoring of spinal cord activity during spinal surgery. Clin Orthop 93:173-8, Jun 73
ADULT/ ANESTHESIA/ CHILD/ CURARE-LIKE AGENTS, therapeutic use/ FEMALE/ HALOTHANE, therapeutic use/ HUMAN/ HYDROXYDIONE, therapeutic use/ NITROUS OXIDE, therapeutic use/ ORTHOPEDIC FIXATION DEVICES/ PARAPLEGIA, prevention & control/ *SCOLIOSIS, surgery/ *SPINAL CORD, physiology/ TRACTION/ VITAL CAPACITY

4388. **Vazquez AM, Schutt-Aine J, Drash AL, et al:** Diurnal patterns of secretion of cortisol and growth hormone in normal adolescents, in patients with exogenous and endogenous Cushing's syndrome, in patients with diabetes mellitus, and in a fasting subject. J Pediatr 83:578-86, Oct 73
ADOLESCENCE/ BLOOD SUGAR, analysis/ CHILD/ *CIRCADIAN RHYTHM/ *CUSHING'S SYNDROME, blood/ *DIABETES MELLITUS, blood/ *FASTING/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ PREDNISONE, therapeutic use/ RETICULOENDOTHELIOSIS, drug therapy/ *SOMATOTROPIN, blood/ TIME FACTORS

4389. **Vecsei P, Penke B, Katzy R, et al:** Radioimmunological determination of plasma cortisol. Experientia 28:1104-5, 15 Sep 72
ADDISON'S DISEASE, blood/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METHODS/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY

4390. **Velasco ME, Rothchild I:** Factors influencing the secretion of luteinizing hormone and ovulation in response to electrochemical stimulation of the preoptic area in rats. J Endocrinol 58:163-76, Aug 73
ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ DENERVATION/ ELECTRIC STIMULATION/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, secretion/ LH, blood/ *LH, secretion/ MALE/ NEURONS, AFFERENT/ OVARY, physiology/ *OVULATION/ PENTOBARBITAL/ RADIOIMMUNOASSAY/ RATS/ TESTOSTERONE, pharmacodynamics

4391. **Venzmer G:** Wie steht die fachkundliche Medizin heute zur "Pille". Krankenpflege 27:237-8, Jun 73 **(Ger)**
BLOOD COAGULATION/ BLOOD COAGULATION, drug effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ SPECIAL LIST NURSING

4392. **Vera-Roman JM:** Robinow dwarfing syndrome accompanied by penile agenesis and hemivertebrae. Am J Dis Child 126:206-8, Aug 73
CHILD DEVELOPMENT DEVIATIONS, complications/ CHILD, PRESCHOOL/ CRANIOFACIAL DYSOSTOSIS, complications/ CRYPTORCHISM, complications/ *DWARFISM, complications/ DWARFISM, embryology/ HAND, abnormalities/ HUMAN/ MALE/ *PENIS, abnormalities/ PROSTATE, pathology/ RADIUS, abnormalities/ SCROTUM, abnormalities/ TESTIS, pathology/ *THORACIC VERTEBRAE, abnormalities/ TOOTH ABNORMALITIES, complications/ ULNA, abnormalities

4393. **Verba AV, Turkevich MM:** UF spektry vbyrannia delakykh pokhidnykh feniltiosechovyny. Farm Zh 27:14-6, Mar-Apr 72 **(Ukr)**
ENGLISH ABSTRACT/ *PHENYLTHIOUREA, analysis/ *SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOUREA, analysis

4394. **Verbeck B:** Augenbefunde und Stoffwechselverhalten bei Einnahme von Ovulationshemmern. Klin Monatsbl Augenheilkd 162:612-21, May 73 **(Ger)**
ADULT/ ASTIGMATISM, chemically induced/ BLOOD CELL COUNT/ BLOOD COAGULATION, drug effects/ BLOOD PLATELETS/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ IRON, blood/ MIDDLE AGE/ MYOPIA, chemically induced/ OPTIC NERVE, drug effects/ RETINAL VESSELS, drug effects/ TEARS, secretion/ TIME FACTORS

4395. **Veres I, Lenart G, Szép I, et al:** New aspects in the investigation of some processes of biomineralization. Mikroskopie 29:151-6, Jul 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ BONE DEVELOPMENT/ CHICKENS/ EGGS, analysis/ HUMAN/ MINERALS, analysis

4396. **Verliac F, Frottier J, Capron F:** Aspects pseudo-infectieux inhabituels d'intolérance médicamenteuse. Ann Med Interne (Paris) 124:113-8, Feb 73 **(Fre)**
AMPICILLIN, adverse effects/ CHILD, PRESCHOOL/ CHLORAMPHENICOL, adverse effects/ COLISTIN, adverse effects/ DERMATITIS MEDICAMENTOSA, diagnosis/ *DERMATITIS MEDICAMENTOSA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *DRUG HYPERSENSITIVITY, diagnosis/ *DRUGS, adverse effects/ ELECTROENCEPHALOGRAPHY/ ERYTHROMYCIN, therapeutic use/ FEMALE/ FEVER, chemically induced/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFECTION, diagnosis/ KANAMYCIN, adverse effects/ KIDNEY DISEASES, chemically induced/ MALE/ MIDDLE AGE/ PENICILLIN, adverse effects/ PERICARDITIS, chemically induced/ PERTUSSIS VACCINE, adverse effects/ PLEURAL DISEASES, chemically induced/ RECURRENCE/ SALICYLATES, therapeutic use/ TETRACYCLINE, therapeutic use/ TONSILLECTOMY

4397. **Verma KC, Chaudhry SD, Lal S, et al:** Subcorneal pustular dermatosis (a case report). Indian J Dermatol 18:52-5, Apr 73
DAPSONE, therapeutic use/ DIARRHEA, complications/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ SKIN DISEASES, complications/ *SKIN DISEASES, drug therapy

4398. **Vermeulen A:** Testosterone in plasma. A physiopathological study. Verh K Vlaam Acad Geneeskd Belg 35:95-180, 1973 (104 ref.)
ADOLESCENCE/ ADULT/ AGED/ ALOPECIA, blood/ CHILD/ CHROMATOGRAPHY, GAS/ CIRCADIAN RHYTHM/ CLOMIPHENE, pharmacodynamics/ DIABETES MELLITUS, blood/ EXERTION/ FEMALE/ GYNECOMASTIA, blood/ HIRSUTISM, blood/ HUMAN/ HYPOGONADISM, blood/ IMPOTENCE, blood/ MALE/ MENSTRUATION/ MIDDLE AGE/ POSTURE/ PREGNANCY/ PROTEIN BINDING/ REVIEW/ *TESTOSTERONE, blood/ THYROID DISEASES, blood/ TRITIUM

4399. **Verne J, Fournier E, Gervais P, et al:** Direct stimulant effect of cyclic AMP and dibutyryl cAMP on glycogenolysis by hepatocytes in histiotypic culture. Biomedicine [Express] 19:130-2, 10 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CELLS, CULTURED, metabolism/ CHICK EMBRYO/ GLUCOSEPHOSPHATASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *LIVER, drug effects/ LIVER, metabolism/

*LIVER GLYCOGEN, metabolism/ PROPRANOLOL, pharmacodynamics

0. **Vernon-Roberts B, Jessop JD, Doré J:** Effects of gold salts and prednisolone on inflammatory cells. II. Suppression of inflammation and phagocytosis in the rat. Ann Rheum Dis 32:301-7, Jul 73
ANIMAL EXPERIMENTS/ CELL MOVEMENT, drug effects/ COTTON/ DEPRESSION, CHEMICAL/ EXUDATES AND TRANSUDATES, drug effects/ EXUDATES AND TRANSUDATES, immunology/ GOLD, administration & dosage/ GOLD, blood/ *GOLD, pharmacodynamics/ GOLD, therapeutic use/ *INFLAMMATION, drug therapy/ INFLAMMATION, immunology/ MACROPHAGES, drug effects/ MACROPHAGES, immunology/ MALATES, pharmacodynamics/ MALATES, therapeutic use/ MALE/ NEUTROPHILS, drug effects/ *PHAGOCYTOSIS, drug effects/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ RATS/ SKIN WINDOW TECHNIC/ TIME FACTORS

1. **Vessey MP, Inman WH:** Speculations about mortality trends from venous thromboembolic disease in England and Wales and their relation to the pattern of oral contraceptive usage.
J Obstet Gynaecol Br Commonw 80:562-6, Jun 73
ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, supply & distribution/ DRUG COMPOUNDING/ DRUG UTILIZATION/ ENGLAND/ ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ MIDDLE AGE/ THROMBOPHLEBITIS, chemically induced/ *THROMBOPHLEBITIS, mortality/ WALES

2. **Vetter W, Haber E, Beckerhoff R, et al:** Direkter Radioimmunologischer Nachweis von Aldosteron im Plasma. Verh Dtsch Ges Inn Med 78:1513-5, 1972 (Ger)
*ALDOSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ RADIOIMMUNOASSAY

3. **Vetter W, Haber E, Freedlender E, et al:** Neue Befunde zur Spezifitt von Aldosteronantikörpern.
Verh Dtsch Ges Inn Med 78:1607-9, 1972 (Ger)
*ALDOSTERONE/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ CATTLE/ IMMUNE SERUMS/ METHODS

4. **Vetulani J:** The action of neuroleptics in rats with altered catecholamine metabolism. IV. Behavioral and biochemical effects of chlorpromazine and haloperidol in rats pretreated with inhibitors of dopamine-beta-hydroxylase.
Arch Immunol Ther Exp (Warsz) 21:501-6, 1973
AMINES, metabolism/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ *CHLORPROMAZINE, pharmacodynamics/ DOPAMINE, metabolism/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ DRUG SYNERGISM/ HALOPERIDOL, antagonists & inhibitors/ *HALOPERIDOL, pharmacodynamics/ HYPOTHERMIA, INDUCED/ MALE/ PHENYLTHIOUREA, pharmacodynamics/ PICOLINIC ACIDS, pharmacodynamics/ RATS/ SEROTONIN, metabolism

5. **Vetulani J, Reichenberg K:** Effect of dopamine-beta-hydroxylase inhibitors 1,1-dimethyl-3-phenyl-2-thiourea, fusaric acid and dimethyldithiocarbamate, on the rat brain monoamine content following intraventricular injection of L-dopa.
Biochem Pharmacol 22:1263-8, 1 Jun 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN, metabolism/ CEREBRAL VENTRICLES/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ INJECTIONS/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NIALAMIDE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ *PICOLINIC ACIDS, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ THIOCARBAMATES, pharmacodynamics/ *THIOUREA, pharmacodynamics

4406. **Vialli DM, Barbetta F, Zanotti L, et al:** Estendibilità del concetto di sistema cellulare enterocromaffine ai vegetali. I. Inquadramento della questione e contributo alla conoscenza istochimica dei peli di Urtica dioica.
Acta Histochem (Jena) 45:270-82, 1973 (Ita)
CHROMAFFIN SYSTEM/ ENGLISH ABSTRACT/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ LUMINESCENCE/ *PLANTS, analysis/ *SEROTONIN, analysis

4407. **Vick JA, Mehlman B, Brooks R, et al:** Effect of the bee venom and melittin on plasma cortisol in the unanesthetized monkey. Toxicon 10:581-6, Oct 72
ANIMAL EXPERIMENTS/ *BEES/ BLOOD, drug effects/ *HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ MACACA/ MONKEYS/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, physiology/ TIME FACTORS/ VENOMS, administration & dosage/ *VENOMS, pharmacodynamics

4408. **Vickers CF:** Stratum corneum reservoir for drugs.
Adv Biol Skin 12:177-89, 1972 (28 ref.)
ACETAMIDES, pharmacodynamics/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ DIMETHYL SULFOXIDE, pharmacodynamics/ FUSIDIC ACID, metabolism/ GLUCOCORTICOIDS, TOPICAL, metabolism/ HUMAN/ HUMIDITY/ IN VITRO/ KINETICS/ MITOSIS/ REVIEW/ SKIN, cytology/ *SKIN, metabolism/ SKIN, microbiology/ SKIN ABSORPTION, drug effects/ TEMPERATURE/ THYMIDINE, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM/ VEHICLES

4409. **Vignon G, Meunier P:** Réflexions sur la pathogénie de l'ostéonécrose primitive de la tête fémorale. L'hypothèse de la fracture de fatigue sous-chondrale.
Nouv Presse Med 2:1751-3, 30 Jun 73 (Fre)
*FEMUR HEAD NECROSIS, etiology/ FEMUR HEAD NECROSIS, physiopathology/ *FRACTURES, complications/ HUMAN/ ISCHEMIA, complications/ OSTEOMALACIA, complications/ OSTEOPOROSIS, complications/ VASCULAR DISEASES, complications

4410. **Vilkova LA, Bukhman AI, Kuuz AL:** Sostoianie zubo-cheliustnogo apparata u bol'nykh s posleoperatsionnym gipoparatireozom.
Stomatologiia (Mosk) 52:16-8, Jul-Aug 73 (Rus)
ADOLESCENCE/ ADULT/ *DENTIN SENSITIVITY, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ TOOTH CALCIFICATION

4411. **Villee DB:** Changes in fetal steroid metabolism with age. Clin Pharmacol Ther 14:705-13, Jul-Aug 73
ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ANDROGENS, biosynthesis/ *ANDROGENS, metabolism/ CARBON ISOTOPES/ CORTICOSTERONE, metabolism/ CORTISONE, metabolism/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *GLUCOCORTICOIDS, metabolism/ *GONADOTROPINS, metabolism/ HUMAN/ HYDROCORTISONE, biosynthesis/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ INFANT, NEWBORN/ MALE/ ORGAN CULTURE/ PANCREAS, metabolism/ PREGNANCY/ PROGESTERONE, metabolism/ TESTIS, metabolism/ TRITIUM

4412. **Villela GG, Calcagnotto AM:** Studies on the toxicity and absorption of a new chelate of aluminum and calcium.
Rev Bras Pesqui Med Biol 6:165-9, May-Aug 73
ADMINISTRATION, ORAL/ *ALUMINUM/ ALUMINUM, metabolism/ ALUMINUM, toxicity/ ANIMAL EXPERIMENTS/ CALCIUM/ CALCIUM, metabolism/ CALCIUM,

toxicity/ EVALUATION STUDIES/ GROWTH, drug effects/ GUINEA PIGS/ HUMAN/ LIVER, drug effects/ LIVER, metabolism/ LUNG, drug effects/ LUNG, metabolism/ PEPTIC ULCER, drug therapy/ RATS/ STOMACH, drug effects/ STOMACH, metabolism

4413. **Villeneuve A, Gautier J, Jus A, et al:** Effect of lithium on thyroid in man. Lancet 2:502, 1 Sep 73
FEMALE/ HUMAN/ HYPOTHYROIDISM, chemically induced/ LITHIUM, adverse effects/ *LITHIUM, therapeutic use/ MALE/ *MENTAL DISORDERS, drug therapy/ PROTEIN-BOUND IODINE TEST/ SEX FACTORS/ *THYROID GLAND, drug effects/ THYROTROPIN, physiology

4414. **Villoria López J, Cuevas Mateos F, Chico Azanza JL, et al:** Uso del bromuro de pancuronium en 474 anestesias generales.
Rev Esp Anestesiol Reanim 20:379-82, Jul 73 **(Spa)**
*ANDROSTANES/ *ANESTHESIA ADJUVANTS/ *ANESTHESIA, INTRATRACHEAL/ *CURARE-LIKE AGENTS/ HUMAN/ PANCURONIUM

4415. **Vinson GP, Whitehouse BJ:** De-novo steroid synthesis in the seminiferous tubule of the adult rat testis.
J Endocrinol 58:3-4, Jul 73
ACETATES, metabolism/ ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ HYDROXYPREGNENOLONE, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ MALE/ PREGNANEDIOL, biosynthesis/ PREGNENOLONE, metabolism/ PROGESTERONE, biosynthesis/ RATS/ *STEROIDS, biosynthesis/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ TRITIUM

4416. **Visco RJ:** Eimeria tenella infection in testosterone-injected chicks.
J Parasitol 59:631-4, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CECUM, pathology/ *CHICKENS/ COCCIDIOSIS, mortality/ COCCIDIOSIS, pathology/ *COCCIDIOSIS, veterinary/ *EIMERIA/ ERYTHROPOIESIS, drug effects/ FEMALE/ HEMATOCRIT/ INJECTIONS, INTRAPERITONEAL/ MALE/ *POULTRY DISEASES, drug therapy/ POULTRY DISEASES, mortality/ POULTRY DISEASES, pathology/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use

4417. **Visser AS, Postma PW:** Permeability of Azotobacter vinelandii to cations and anions.
Biochim Biophys Acta 298:333-40, 16 Mar 73
ACETATES, metabolism/ AMMONIA, metabolism/ AZOTOBACTER, cytology/ AZOTOBACTER, drug effects/ *AZOTOBACTER, metabolism/ BICARBONATES, pharmacodynamics/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ EDTA, pharmacodynamics/ IODIDES, metabolism/ *IONS, metabolism/ NITRATES, metabolism/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ PROTOPLASTS, drug effects/ PROTOPLASTS, metabolism/ SODIUM, metabolism/ SPECTROPHOTOMETRY/ SUCCINATES, metabolism/ SULFATES, metabolism/ THIOCYANATES, metabolism/ UNCOUPLING AGENTS, pharmacodynamics/ VALINOMYCIN, pharmacodynamics

4418. **Vital C, Escourolle R, Hauw JJ, et al:** L'encéphalite limbique paranéoplasique. Etude anatomo-clinique de deux observations.
Arch Anat Pathol (Paris) 21:279-85, Sep 73 **(Fre)**
*ADENOCARCINOMA, complications/ AMYGDALOID BODY, pathology/ *BRONCHIAL NEOPLASMS, complications/ *CARCINOMA, complications/ ENCEPHALITIS, complications/ ENCEPHALITIS, pathology/ HUMAN/ *KIDNEY NEOPLASMS, complications/ *LIMBIC SYSTEM/ LIMBIC SYSTEM, pathology/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS

4419. **Vlasenko SP, Khachkavanktsiian AS, Aĭdinian RA, et al:** Otiagoshchaiushchee viiianie kortikosteroidov na techenie i iskhod ostrogo luchevogo porazheniia.
Radiobiologiia 13:106-9, Jan-Feb 73 **(Rus)**
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *DESOXYCORTICOSTERONE, adverse effects/ DESOXYCORTICOSTERONE, therapeutic use/ ENGLISH ABSTRACT/ GLUCOSE, metabolism/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ MALE/ PYRUVATES, metabolism/ *RADIATION INJURIES, EXPERIMENTAL, drug therapy/ RATS

4420. **Vlassis G, Schindler AE:** Effect of serotonin on placental aromatization.
Acta Endocrinol [Suppl] (Kbh) 173:78, 1973
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRONE, metabolism/ IN VITRO/ *17-KETOSTEROIDS, metabolism/ *PLACENTA, metabolism/ *SEROTONIN, pharmacodynamics/ TISSUE EXTRACTS/ TRITIUM

4421. **Voelkel EF, Tashjian AH Jr, Davidoff FF, et al:** Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma.
J Clin Endocrinol Metab 37:297-307, Aug 73
ADOLESCENCE/ ADULT/ BIOLOGICAL ASSAY/ CALCIUM, blood/ CARCINOMA, blood/ *CARCINOMA, pathology/ *EPINEPHRINE, analysis/ FEMALE/ GEL FILTRATION/ HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNOASSAY/ MALE/ *NEUROMA, pathology/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, blood/ PARATHYROID HORMONE, blood/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, pathology/ *THYROCALCITONIN, analysis/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, pathology

4422. **Voelter W, König W, Jung G, et al:** Isolation and characterization of a rare urinary steroid by physico-chemical methods.
Acta Endocrinol [Suppl] (Kbh) 173:141, 1973
ADOLESCENCE/ *ANDROGENS, urine/ ANDROSTENEDIONE, isolation & purification/ ANDROSTENEDIONE, urine/ CHROMATOGRAPHY, GAS/ CIRCULAR DICHROISM/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ SPECTRUM ANALYSIS

4423. **Vogel E, Obe G:** Testing of rifampicin on possible genetic effects on Drosophila melanogaster and human leukocyte chromosomes in vitro.
Experientia 29:124-5, 1 May 73
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ *DROSOPHILA MELANOGASTER/ GENES, LETHAL, drug effects/ GENES, RECESSIVE, drug effects/ HUMAN/ LEUKOCYTES, cytology/ *LEUKOCYTES, drug effects/ *MUTAGENS/ MUTATION, drug effects/ *RIFAMPIN, pharmacodynamics/ SEX CHROMOSOMES, drug effects

4424. **Vogel JJ, Campbell MM, Ennever J:** Calcification of a lysozyme-inositol phosphatide complex in vitro.
Proc Soc Exp Biol Med 143:677-80, Jul 73
ANIMAL EXPERIMENTS/ APATITES, biosynthesis/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM PHOSPHATES, pharmacodynamics/ CATTLE/ IN VITRO/ METHODS/ MICROSCOPY, ELECTRON/ *MURAMIDASE, metabolism/

*PHOSPHOINOSITIDES, metabolism/ X-RAY DIFFRACTION

25. **Vogel P, Crabbé P:** Méthylène-10,11- et méthyl-11-prostaglandine.
Helv Chim Acta 56:557-60, 1973 (Fre)
ALKENES, chem synthesis/ METHODS/ *PROSTAGLANDINS, chem synthesis/ SPECTRUM ANALYSIS

26. **Vojta M:** Gregory G. Pincus, 1903-1967.
Cesk Gynekol 38:472-3, Jul 73 (Cze)
*CONTRACEPTIVES, ORAL, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ MASSACHUSETTS

27. **Volicer L, Polgar P, Rao SL, et al:** Localization of the cyclic AMP system in the arterial wall.
Pharmacology 9:317-23, 1973
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CAROTID ARTERIES, anatomy & histology/ CAROTID ARTERIES, enzymology/ *CAROTID ARTERIES, metabolism/ CATTLE/ CONNECTIVE TISSUE, enzymology/ IN VITRO/ MUSCLE, SMOOTH, enzymology/ PHOSPHODIESTERASES, metabolism/ TRITIUM

28. **Volk BW, Wellmann KF:** Vascular changes accompanying dysmetabolism in rabbits.
Adv Metab Disord 2:Suppl 2:251-6, 1973
ALLOXAN DIABETES, complications/ ANIMAL EXPERIMENTS/ AORTA, pathology/ *ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, pathology/ CEREBRAL ARTERIES, pathology/ CHOLESTEROL, blood/ CORONARY VESSELS, pathology/ CORTISONE/ *DIABETIC ANGIOPATHIES, etiology/ DIABETIC ANGIOPATHIES, pathology/ *DIET, ATHEROGENIC/ DISEASE MODELS, ANIMAL/ *HYPERLIPEMIA, complications/ KIDNEY, pathology/ MICROSCOPY, ELECTRON/ MYOCARDIUM, pathology/ *PREDIABETIC STATE, chemically induced/ RABBITS

29. **Volkov LA:** Ispol'zovanie vakuum-drenazhnoi sistemy v khirurgicheskoi praktike.
Klin Khir 7:54-5, Jul 73 (Rus)
*DRAINAGE, instrumentation/ HUMAN/ MASTECTOMY, instrumentation/ METHODS/ POSTOPERATIVE CARE/ SURGICAL EQUIPMENT/ THYROID DISEASES, surgery/ WOUND INFECTION, surgery

30. **Volle RL, Glisson SN, Henderson EG:** Influence of (H+) on 42K-exchange in sartorius muscle treated with barium or 9-aminoacridine.
Pfluegers Arch 337:241-56, 1972
*ACRIDINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BARIUM, pharmacodynamics/ CALCIUM, metabolism/ FROGS/ *HYDROGEN, pharmacodynamics/ MAGNESIUM, metabolism/ MUSCLE CONTRACTION/ MUSCLES, drug effects/ *MUSCLES, metabolism/ POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ RANA PIPIENS/ SODIUM, metabolism

31. **Volnohradský R:** Perforovaný disgerminom vaječníku jako náhlá příhoda břišní.
Rozhl Chir 52:492-4, Jul 73 (Cze)
*ABDOMEN, ACUTE, etiology/ ADOLESCENCE/ *DISGERMINOMA, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, complications

32. **Von der Mark K, Click EM, Bornstein P:** The immunology of procollagen. I. Development of antibodies to determinants unique to the proalpha 1 chain. Arch Biochem Biophys 156:356-64, May 73
AMINO ACIDS, analysis/ ANTI-ANTIBODIES/ *ANTIBODY FORMATION/ ANTIGENIC DETERMINANTS/ AUTOANALYSIS/ BONE AND BONES/ CHICK EMBRYO/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CLOSTRIDIOPEPTIDASE A/ *COLLAGEN/ ELECTROPHORESIS, STARCH GEL/ GEL DIFFUSION TESTS/ GEL FILTRATION/ IMMUNE SERUMS/ *PROTEIN PRECURSORS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SULFUR ISOTOPES/ TRITIUM

4433. **Von Lawzewitsch I, Monastirsky RA, Bardía-Deu R:** Cytologic changes on rabbit pituitary after endogenous gonadotropin neutralization by antibodies. Fertil Steril 24:618-32, Aug 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE, immunology/ FEMALE/ FREUND'S ADJUVANT/ FSH/ GEL DIFFUSION TESTS/ *GONADOTROPINS, PITUITARY/ GONADOTROPINS, PITUITARY, administration & dosage/ HEMAGGLUTINATION TESTS/ IMMUNIZATION/ INJECTIONS, INTRADERMAL/ LH/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, immunology/ RABBITS/ SHEEP, immunology/ SOMATOTROPIN/ STAINS AND STAINING/ THYROTROPIN

4434. **Voronin LL, Gershtein GIa, Ioffe SV, et al:** Bystro vyrabatyvaemyi uslovnyi refleks s odnovremennoi registratsiei neironnoi aktivnosti.
Zh Vyssh Nerv Deiat 23:636-9, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *CONDITIONING, CLASSICAL/ CUES/ ELECTROPHYSIOLOGY/ EXTINCTION (PSYCHOLOGY)/ *HYPOTHALAMUS, physiology/ LIGHT/ *MOTOR CORTEX, physiology/ NEURONS, physiology/ RABBITS/ REACTION TIME/ *SOMATOSENSORY CORTEX, physiology/ SOUND/ STARTLE REACTION/ TIME FACTORS

4435. **Voronka GSh, Demin NN:** Soderzhanie rnk v neĭronakh i ikh glial'nykh kletkakh-satellitakh supraopricheskogo iadta golovnogo mozga krys pri eestestvennom sne, lishenii ego paradoksal'noĭ fazy i fenaminovoĭ bessonnitse.
Ukr Biokhim Zh 44:712-7, 1972 (Rus)
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, analysis/ *NEUROGLIA, analysis/ *NEURONS, analysis/ RATS/ *RNA, analysis/ *SLEEP/ SLEEP DEPRIVATION/ SLEEP, REM/ SPECTROPHOTOMETRY

4436. **Voropaev MM, Adamian AA:** K klinike i lecheniiu vnutrigrudnogo zoba.
Grudn Khir 14:98-100, Nov-Dec 72 (Rus)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, surgery/ HUMAN/ MALE/ MIDDLE AGE

4437. **Voroshilova SG:** Kardiodinamika i vneshnee dykhanie pri narushenii funktsii shchitovidnoi zhelezy.
Vrach Delo 1:97-9, Jan 73 (Rus)
*HEART, physiopathology/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ LUNG, physiopathology/ *RESPIRATION

4438. **Vostal JJ, Clarkson TW:** Mercury as an environmental hazard. J Occup Med 15:649-56, Aug 73 (16 ref.)
AIR POLLUTION, analysis/ ANIMAL EXPERIMENTS/ CHELATING AGENTS, therapeutic use/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENVIRONMENTAL EXPOSURE/ *ENVIRONMENTAL HEALTH/ ENVIRONMENTAL POLLUTION/ FEMALE/ FISH PRODUCTS, analysis/ HUMAN/ INDUSTRY/ MATERNAL-FETAL EXCHANGE/ *MERCURY, adverse effects/ MERCURY, analysis/ MERCURY, metabolism/ MERCURY, toxicity/ MERCURY POISONING, drug therapy/ MERCURY POISONING, etiology/ METHYL MERCURY COMPOUNDS/ PLACENTA, metabolism/ PREGNANCY/

REVIEW/ WATER POLLUTION, CHEMICAL, analysis

4439. **Vrba M, Kamarýt J, Bodlák J:** Distribution of cytoplasmic and mitochondrial glutamic-oxaloacetic transaminase (GOT) in various kinds of human testicular cells. Folia Biol (Praha) 19:237-40, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ CELLS, CULTURED/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ MALE/ MIDDLE AGE/ *MITOCHONDRIA, enzymology/ SPERMATOGENESIS/ SPERMATOZOA, enzymology/ TESTIS, cytology/ *TESTIS, enzymology

4440. **Vyvoda OS, Rowe CE:** Glyceride lipases in nerve endings of guinea-pig brain and their stimulation by noradrenaline, 5-hydroxytryptamine and adrenaline. Biochem J 132:233-48, Feb 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, enzymology/ CARBON ISOTOPES/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ GLYCERIDES/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LIPASE, metabolism/ MEMBRANES, enzymology/ NERVE ENDINGS, drug effects/ *NERVE ENDINGS, enzymology/ *NOREPINEPHRINE, pharmacodynamics/ PALMITIC ACID, metabolism/ *SEROTONIN, pharmacodynamics/ SUBCELLULAR FRACTIONS, enzymology/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, enzymology/ TIME FACTORS/ TRIGLYCERIDES, metabolism

W

4441. **Wachendörfer G, Förster U, Krekel H:** Humorale Immunantwort beim Schaf nach Applikation einer inaktivierten Tollwutvakzine.
Zentralbl Veterinaermed [B] 20:118-26, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ *ANTIBODY FORMATION/ ENGLISH ABSTRACT/ FEMALE/ LACTATION/ NEUTRALIZATION TESTS/ PREGNANCY/ *RABIES VACCINE, administration & dosage/ *SHEEP, immunology/ TIME FACTORS

4442. **Wachholz DE, Wahlstrom RC:** Effect of chlorpropamide on gravid swine and blood glucose and fructose in the fetal pig. J Anim Sci 37:131-5, Jul 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BLOOD SUGAR, analysis/ BODY WEIGHT/ CHLORPROPAMIDE, administration & dosage/ *CHLORPROPAMIDE, pharmacodynamics/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ FETUS, anatomy & histology/ FETUS, drug effects/ *FETUS, metabolism/ *FRUCTOSE, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ REPRODUCTION, drug effects/ *SWINE, physiology

4443. **Wada JA, Sato M:** Directedness of defensive emotional behavior and motivation for aversive learning. Exp Neurol 40:445-56, Aug 73
*AGGRESSION/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ BEHAVIOR, ANIMAL/ CATS/ ELECTRIC STIMULATION/ *EMOTIONS/ ESCAPE REACTION/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ *MOTIVATION

4444. **Waddell WJ:** Localization of drugs in tissues with respect to their physiological actions.
Annu Rev Pharmacol 13:153-68, 1973 (81 ref.)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BINDING SITES/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ CURARE-LIKE AGENTS, metabolism/ DOPA, metabolism/ DRUG INTERACTIONS/ DRUGS, administration & dosage/ *DRUGS, metabolism/ EYE, metabolism/ MESCALINE, metabolism/ MICE/ NEUROMUSCULAR DEPOLARIZING AGENTS, metabolism/ OXAZOLES, metabolism/ PHARMACOLOGY/ RECEPTORS, DRUG/ REVIEW/ STEROIDS, metabolism/ SULFUR ISOTOPES/ THIOURACIL, metabolism/ TRITIUM/ VITAMIN A, metabolism

4445. **Waddell WR:** Chemotherapy for carcinoma of the pancreas. Surgery 74:420-9, Sep 73
ADULT/ AGED/ AUTOPSY/ BIOPSY/ *CARCINOMA, drug therapy/ CARCINOMA, mortality/ COMPARATIVE STUDY/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ LAPAROTOMY/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PANCREATIC NEOPLASMS, drug therapy/ PANCREATIC NEOPLASMS, mortality/ SPIRONOLACTONE, therapeutic use/ TESTOLACTONE, therapeutic use/ WARFARIN, therapeutic use

4446. **Wade H:** The surgical management of thyroid disorders. Trans Med Soc Lond 88:40-52, 1972
ADENOCARCINOMA, surgery/ AGE FACTORS/ CARBIMAZOLE, administration & dosage/ CARBIMAZOLE, therapeutic use/ GOITER, diagnosis/ GOITER, surgery/ HUMAN/ HYPERTHYROIDISM, surgery/ NEOPLASM METASTASIS/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ THYROCALCITONIN, secretion/ THYROID DISEASES, drug therapy/ *THYROID DISEASES, surgery/ THYROID NEOPLASMS, surgery/ THYROIDITIS, diagnosis

4447. **Wadlington WB, Tucker VL, Schimke RN:** Mesomelic dwarfism with hemivertebrae and small genitalia (the Robinow syndrome). Am J Dis Child 126:202-5, Aug 73
CRANIOFACIAL DYSOSTOSIS, etiology/ DWARFISM, complications/ *DWARFISM, familial & genetic/ FACIAL EXPRESSION/ FEMALE/ FINGERS, abnormalities/ *GENITALIA, abnormalities/ HUMAN/ INFANT, NEWBORN/ MALE/ RADIUS, abnormalities/ RIBS, abnormalities/ SCOLIOSIS, etiology/ *SPINE, abnormalities/ SYNDROME/ ULNA, abnormalities

4448. **Wagner E:** Granulocyta alkalikus phosphatase aktivitás vizsgálata idös egyéneken.
Orv Hetil 114:1864 passim, 5 Aug 73 (Hun)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *ALKALINE PHOSPHATASE, blood/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, enzymology/ *PULMONARY EMPHYSEMA, enzymology/ SEX FACTORS

4449. **Wagner RK, Görlich L, Jungblut PW:** Dihydrotestosterone receptor in human mammary cancer. Acta Endocrinol [Suppl] (Kbh) 173:65, 1973
*BREAST NEOPLASMS, metabolism/ ELECTROPHORESIS, STARCH GEL/ *ESTRADIOL/ FEMALE/ HUMAN/ METHODS/ *RECEPTORS, HORMONE/ *STANOLONE/ TRITIUM

4450. **Waibl H:** Linke Vena cava cranialis ohne entsprechende Vene auf der rechten Seite bei einer Hauszlege. Berl Munch Tieraerztl Wochenschr 86:171-4, 1 May 73 (Ger)
ABNORMALITIES, MULTIPLE, veterinary/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GOATS, anatomy & histology/ PSEUDOHERMAPHRODITISM, veterinary/ *VENA CAVA, SUPERIOR, abnormalities

4451. **Waite MA:** Measurement of concentrations of angiotensin I in human blood by radioimmunoassay. Clin Sci 45:51-64, Jul 73
ALCOHOL, ETHYL/ ALPHA GLOBULIN/ *ANGIOTENSIN, blood/ ANGIOTENSIN AMIDE/ ARTERIES/ BLOOD PRESERVATION/ BLOOD SPECIMEN COLLECTION/ CHROMATOGRAPHY, ION EXCHANGE/ CHRONIC DISEASE/ HUMAN/ IMMUNIZATION/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, surgery/ METHODS/ NEPHRECTOMY/ PRECIPITATION/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RENIN/ VEINS

2. **Waites GM, Setchell BP, Quinlan D:** Effect of local heating of the scrotum, testes and epididymides of rats on cardiac output and regional blood flow.
J Reprod Fertil 34:41-9, Jul 73
ANIMAL EXPERIMENTS/ *CARDIAC OUTPUT/ CEREBROVASCULAR CIRCULATION/ EPIDIDYMIS, blood supply/ *EPIDIDYMIS, physiology/ HEAT/ MALE/ RATS/ *REGIONAL BLOOD FLOW/ SCROTUM, blood supply/ *SCROTUM, physiology/ TEMPERATURE/ TESTIS, blood supply/ *TESTIS, physiology

3. **Wakabayashi K:** [Liquid scintillation counting]
Clin Endocrinol (Tokyo) 21:343-51, Mar 73 (Jap)
AMINO ACIDS, metabolism/ CARBON ISOTOPES/ GLUCOSE, analysis/ METHODS/ *SCINTILLATION COUNTERS/ SOLUTIONS/ SOLVENTS/ STEROIDS, analysis/ STEROIDS, biosynthesis/ TRITIUM

4. **Wakade AR, Kirpekar SM:** "Trophic" influence on the sympathetic nerves of the vas deferens and seminal vesicle of the guinea pig.
J Pharmacol Exp Ther 186:528-36, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BLADDER, growth & development/ CASTRATION/ GUINEA PIGS/ HEART ATRIUM, growth & development/ MALE/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ SEMINAL VESICLES, growth & development/ *SEMINAL VESICLES, innervation/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ TRITIUM/ VAS DEFERENS, growth & development/ *VAS DEFERENS, innervation

5. **Wakayama Y:** Electron microscopic studies on fetal and early postnatal testicular interstitial cells of mice.
Nagoya J Med Sci 35:33-41, Aug 72
ANIMAL EXPERIMENTS/ CAPILLARIES/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FIBROBLASTS/ GOLGI APPARATUS/ *LEYDIG CELLS/ MACROPHAGES/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RIBOSOMES/ *TESTIS, cytology/ TESTIS, embryology/ TESTIS, growth & development

6. **Wakeling AE, Kirton KT:** Prostaglandin receptors in the hamster uterus during the estrous cycle.
Prostaglandins 4:1-8, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ *ESTRUS, drug effects/ FEMALE/ HAMSTERS/ IN VITRO/ OVULATION/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ *RECEPTORS, HORMONE, drug effects/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRITIUM/ *UTERUS, drug effects

7. **Wakeling AE, Visek WJ:** Insecticide inhibition of 5alpha-dihydrotestosterone binding in the rat ventral prostate. Science 181:659-61, 17 Aug 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYTOSOL, metabolism/ *DDT, pharmacodynamics/ *DIELDRIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MALE/ PROSTATE, cytology/ *PROSTATE, drug effects/ PROSTATE, metabolism/ RATS/ *RECEPTORS, HORMONE, drug effects/ *TESTOSTERONE, metabolism/ TRITIUM

8. **Waldeck B:** On the use of ethanol as a scavenger in storing labelled dopa and 5-hydroxytryptamine in aqueous solutions. J Pharm Pharmacol 25:502-3, Jun 73
ACETALDEHYDE/ *ALCOHOL, ETHYL/ CARBON ISOTOPES/ *DOPA/ DRUG STORAGE/ HYDROGEN-ION CONCENTRATION/ *SEROTONIN/ SOLUTIONS/ TRITIUM

9. **Walker JE, Lewin E, Sheppard JR, et al:** Enzymatic regulation of adenosine 3',5'-monophosphate (cyclic AMP) in the freezing epileptogenic lesion of rat brain and in homologous contralateral cortex.
J Neurochem 21:79-85, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ BRAIN, metabolism/ *CONVULSIONS, enzymology/ FEMALE/ FREEZING/ *PHOSPHODIESTERASES, metabolism/ RATS/ TRITIUM

4460. **Walker RF:** Influence of subtracheal fat body depletion on thyroid function in the desert iguana.
Comp Biochem Physiol [A] 44:911-7, 1 Mar 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *ESTROGENS, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ FEMALE/ GLYCERIDES, metabolism/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ LINOLEIC ACID, metabolism/ LIZARDS/ OLEIC ACID, metabolism/ PITUITARY GLAND, physiology/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS

4461. **Wallace AL, Stacy BD, Thorburn GD:** Regulation of growth hormone secretion in the ovine foetus.
J Endocrinol 58:89-95, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HYPOPHYSECTOMY/ HYPOTHALAMUS, secretion/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ PREGNANCY/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ *SOMATOTROPIN, secretion

4462. **Wallach EE, Virutamasen P, Wright KH:** Menstrual cycle characteristics and side of ovulation in the Rhesus monkey. Fertil Steril 24:715-21, Sep 73
ANIMAL EXPERIMENTS/ FEMALE/ *MACACA/ *MENSTRUATION/ MONKEYS/ OVARY, drug effects/ *OVARY, physiology/ *OVULATION/ *PROGESTERONE, pharmacodynamics/ SEASONS/ TIME FACTORS

4463. **Wallen K, Goldfoot DA, Joslyn WD, et al:** Modification of behavioral estrus in the guinea pig following intracranial cycloheximide.
Physiol Behav 8:221-3, Feb 72
ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ CYCLOHEXIMIDE, administration & dosage/ *CYCLOHEXIMIDE, pharmacodynamics/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ GUINEA PIGS/ HYPOTHALAMUS, drug effects/ INHIBITION (PSYCHOLOGY), drug effects/ PROGESTERONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ SODIUM CHLORIDE, pharmacodynamics/ STEREOTAXIC TECHNICS

4464. **Wallgren A, Norin T:** Combined chemotherapy and radiation therapy in spindle and giant cell carcinoma of the thyroid gland. Report of a case.
Acta Radiol [Ther] (Stockh) 12:17-20, Feb 73
AGED/ CARCINOMA, drug therapy/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, therapy/ CASE REPORT/ COBALT ISOTOPES/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ *FLUOROURACIL, therapeutic use/ HUMAN/ NEOPLASM METASTASIS/ RADIOISOTOPE TELETHERAPY/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy

4465. **Walling MW, Kimberg DV:** Active secretion of calcium by adult rat ileum and jejunum in vitro.
Am J Physiol 225:415-22, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/

CALCIUM, metabolism/ *CALCIUM, secretion/ CALCIUM, DIETARY, administration & dosage/ DUODENUM, secretion/ *ILEUM, secretion/ IN VITRO/ INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, drug effects/ INTESTINE, SMALL, metabolism/ IODOACETATES, pharmacodynamics/ *JEJUNUM, secretion/ MAGNESIUM, pharmacodynamics/ MALE/ PROTEINS, secretion/ RATS/ SEROUS MEMBRANE, metabolism/ STRONTIUM, pharmacodynamics/ VITAMIN D DEFICIENCY, metabolism

4466. **Walling MW, Rothman SS:** Adaptive uptake of calcium at the duodenal brush border.
Am J Physiol 225:618-23, Sep 73
ADAPTATION, PHYSIOLOGICAL/ AEROBIOSIS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ *DUODENUM, metabolism/ IN VITRO/ *INTESTINAL ABSORPTION/ KINETICS/ RATS/ TIME FACTORS

4467. **Wallner HJ:** Abortus imminens.
Med Klin 68:497-500, 20 Apr 73 (27 ref.) (Ger)
ABNORMALITIES, etiology/ *ABORTION, THREATENED/ ABORTION, THREATENED, complications/ ABORTION, THREATENED, diagnosis/ ABORTION, THREATENED, drug therapy/ ABORTION, THREATENED, etiology/ ABORTION, THREATENED, occurrence/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ DRUG COMPOUNDING/ ESTROGENS, therapeutic use/ FEMALE/ GERMANY, WEST/ GESTATIONAL AGE/ HUMAN/ IMMOBILIZATION/ INFANT MORTALITY/ INFANT, NEWBORN/ LABOR COMPLICATIONS, etiology/ PREGNANCY/ PROGESTATIONAL HORMONES, therapeutic use/ PROGNOSIS/ PUERPERAL DISORDERS, etiology/ REVIEW/ VITAMIN E, therapeutic use

4468. **Walsh CH, O'Sullivan DJ:** Carbohydrate tolerance during the menstrual cycle in diabetics.
Lancet 2:413-5, 25 Aug 73
ADOLESCENCE/ ADULT/ BODY WEIGHT/ *DIABETES MELLITUS, metabolism/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ GLYCOSURIA/ HUMAN/ HYDROCORTISONE, blood/ *MENSTRUATION/ MIDDLE AGE/ SOMATOTROPIN, blood/ TIME FACTORS

4469. **Walsh DA, Brostrom CO, Brostrom MA, et al:** Cyclic AMP-dependent protein kinases from skeletal muscle and liver.
Adv Cyclic Nucleotide Res 1:33-45, 1972 (33 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ APOPROTEINS/ CASEIN/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION, drug effects/ GEL FILTRATION/ GLYCOGEN SYNTHETASE/ HISTONES/ ISOELECTRIC FOCUSING/ *LIVER, enzymology/ *MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PHOSPHORUS ISOTOPES/ PHOSPHORYLASE KINASE/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ RATS/ REVIEW/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

4470. **Walsh RN, Cummins RA, Budtz-Olsen OE:** Environmentally induced changes in the dimensions of the rat cerebrum: a replication and extension.
Dev Psychobiol 6:3-7, Jan 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BRAIN, anatomy & histology/ *ENVIRONMENT/ HOUSING, ANIMAL/ MALE/ ORGAN WEIGHT/ RATS/ SOCIAL BEHAVIOR/ SOCIAL ISOLATION

4471. **Walter C:** Problematik der Weichteilverletzung des Gesichtes. HNO 21:182-6, Jun 73 (Ger)
ACCIDENTS, TRAFFIC/ CICATRIX, prevention & control/ CICATRIX, surgery/ ENGLISH ABSTRACT/ *FACIAL INJURIES, surgery/ FEMALE/ FIRST AID/ FRACTURES, OPEN, surgery/ HUMAN/ MALE/ NOSE DISEASES, surgery/ POSTOPERATIVE CARE/ SKIN, transplantation/ *SURGERY, PLASTIC/ SUTURE TECHNICS/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ TRIAMCINOLONE, administration & dosage/ WOUND HEALING

4472. **Waltman R, Tricomi V, Shabanah EH, et al:** The effect of anti-inflammatory drugs on parturition parameters in the rat. Prostaglandins 4:93-106, Jul 73
ACETATES/ ANIMAL EXPERIMENTS/ ASPIRIN, adverse effects/ *ASPIRIN, pharmacodynamics/ CORTISONE, adverse effects/ *CORTISONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ FETAL DEATH, chemically induced/ GESTATIONAL AGE/ HEMORRHAGE, POSTPARTUM, chemically induced/ *LABOR, drug effects/ MALE/ PHENOBARBITAL, adverse effects/ *PHENOBARBITAL, pharmacodynamics/ PREGNANCY/ RATS/ SALICYLIC ACID, adverse effects/ *SALICYLIC ACID, pharmacodynamics/ SODIUM SALICYLATE, adverse effects/ *SODIUM SALICYLATE, pharmacodynamics/ TIME FACTORS

4473. **Walton JN:** Polymyositis: new light on pathogenesis and treatment.
Proc Aust Assoc Neurol 9:1-7, 1973 (24 ref.)
ADULT/ ANTILYMPHOCYTE SERUM, therapeutic use/ AUTOIMMUNE DISEASES/ *DERMATOMYOSITIS/ DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, etiology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LYMPHOCYTE TRANSFORMATION/ MIDDLE AGE/ MUSCLES, pathology/ *MUSCULAR DISEASES/ MUSCULAR DISEASES, classification/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, pathology/ MYXOVIRUS/ PICORNAVIRUS/ PREDNISONE, therapeutic use/ PROGNOSIS/ REVIEW

4474. **Wampler RS:** Increased motivation in rats with ventromedial hypothalamic lesions.
J Comp Physiol Psychol 84:275-85, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CONDITIONING, OPERANT/ *EATING/ ELECTRODES, IMPLANTED/ FEEDING BEHAVIOR/ FEMALE/ FOOD DEPRIVATION/ HOUSING, ANIMAL/ HUNGER/ *HYPOTHALAMUS, physiology/ LOCOMOTION/ *MOTIVATION/ RATS/ REINFORCEMENT SCHEDULE/ STEREOTAXIC TECHNICS/ TASTE

4475. **Wang CM, Chen SY:** Evaluation of the first year of the educational savings program in Taiwan.
Stud Fam Plann 4:157-61, Jul 73
ADULT/ ATTITUDE/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ *EDUCATION/ EVALUATION STUDIES/ FAMILY CHARACTERISTICS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ *INVESTMENTS/ MOTIVATION/ PREGNANCY/ STERILIZATION, TUBAL/ TAIWAN

4476. **Wang DY, Swain MC, Hayward JL, et al:** Hormones in the aetiology and clinical course of breast cancer.
Recent Results Cancer Res 39:177-83, 1972
ADULT/ AGE FACTORS/ AGED/ ANDROGENS, blood/ *ANDROGENS, metabolism/ ANDROGENS, physiology/ ANDROGENS, urine/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, etiology/ *BREAST NEOPLASMS, metabolism/ BREAST

NEOPLASMS, surgery/ CARCINOGENS/ DEHYDROEPIANDROSTERONE, blood/ ESTRADIOL, blood/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ MASTECTOMY/ MICE/ MIDDLE AGE/ PRECANCEROUS CONDITIONS/ PROSPECTIVE STUDIES/ RATS/ REGRESSION ANALYSIS/ SULFURIC ACIDS, blood

. **Wangensteen SL, Golden T:** Acute "stress" ulcers of the stomach: a review. Am Surg 39:562-7, Oct 73
ACUTE DISEASE, complications/ AGE FACTORS/ ANTACIDS, therapeutic use/ ASPIRIN, adverse effects/ GASTRIC HYPOTHERMIA/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA/ GRAM NEGATIVE BACTERIA, isolation & purification/ HEMORRHAGE, GASTROINTESTINAL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFECTION, complications/ LYSOSOMES, secretion/ PEPTIC ULCER, chemically induced/ *PEPTIC ULCER, etiology/ POSTOPERATIVE COMPLICATIONS/ STEROIDS, adverse effects/ *STRESS, complications/ VITAMIN A DEFICIENCY, etiology

. **Wannemacher RW Jr:** Ribosomal RNA synthesis and function as influenced by amino acid supply and stress. Proc Nutr Soc 31:281-90, Dec 72 (32 ref.)
*AMINO ACIDS/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, biosynthesis/ CELL NUCLEUS, metabolism/ CHROMATIN, metabolism/ DEFICIENCY DISEASES, metabolism/ DIETARY PROTEINS/ HUMAN/ HYPOPITUITARISM, metabolism/ KINETICS/ LIVER, metabolism/ MUSCLE PROTEINS, biosynthesis/ MYOCARDIUM, metabolism/ OPERON/ PROTEINS, biosynthesis/ RATS/ REVIEW/ RIBOSOMES, metabolism/ RNA, MESSENGER, metabolism/ *RNA, RIBOSOMAL/ RNA, RIBOSOMAL, biosynthesis/ RNA, RIBOSOMAL, metabolism/ RNA, RIBOSOMAL, physiology/ *STRESS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

. **Ward H, Rochman H, Varnavides LA, et al:** Hormone and enzyme levels in normal and complicated pregnancy.
Am J Obstet Gynecol 116:1105-13, 15 Aug 73
ABORTION, THREATENED/ *ALKALINE PHOSPHATASE, blood/ ESTRIOL, urine/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ *HISTAMINASE, blood/ HUMAN/ HYPERTENSION, metabolism/ PLACENTAL HORMONES, secretion/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, enzymology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY TOXEMIAS

. **Ward IL:** Female sexual behavior in male rats treated prenatally with an anti-androgen.
Physiol Behav 8:53-6, Jan 72
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ CASTRATION/ CYPROTERONE, administration & dosage/ CYPROTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ *FETUS, drug effects/ MALE/ *PREGNADIENES, pharmacodynamics/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS

. **Warren MP, Vande Wiele RL:** Clinical and metabolic features of anorexia nervosa.
Am J Obstet Gynecol 117:435-49, 1 Oct 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, blood/ ADULT/ AGE FACTORS/ *ANOREXIA NERVOSA/ ANOREXIA NERVOSA, diagnosis/ ANOREXIA NERVOSA, metabolism/ ANOREXIA NERVOSA, mortality/ ANOREXIA NERVOSA, physiopathology/ ANOREXIA NERVOSA, therapy/ BODY WEIGHT/ CHILD/ CORTICOTROPIN, blood/ ELECTROCARDIOGRAPHY/ FEMALE/ FOLLOW-UP STUDIES/ FSH, blood/ HUMAN/ LH, blood/ MALE/ PUBERTY/ RACIAL STOCKS/ RELIGION/ THYROXINE, blood

4482. **Warton CM, Kanengoni E, Jones JJ:** Plasma renin activity in rats fed exclusively on maize (mealie) meal. S Afr Med J 47:1498-500, 25 Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CORN/ *DIET/ DISEASE MODELS, ANIMAL/ HEMATOCRIT/ *KWASHIORKOR, blood/ KWASHIORKOR, metabolism/ KWASHIORKOR, physiopathology/ MAGNESIUM, analysis/ MALE/ MUSCLES, analysis/ PLASMA VOLUME/ POTASSIUM, analysis/ RATS/ *RENIN, blood/ SODIUM, analysis

4483. **Warwick RR, Tothill P, Percy-Robb IW, et al:** The calcium concentration in pancreatic secretion in chronic pancreatitis and carcinoma of the pancreas. Scand J Gastroenterol 8:301-5, 1973
AUTOANALYSIS/ BIOPSY, NEEDLE/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHRONIC DISEASE/ DUODENUM, pathology/ FLUOROMETRY/ HUMAN/ PANCREATIC JUICE, analysis/ *PANCREATIC JUICE, metabolism/ PANCREATIC NEOPLASMS, diagnosis/ *PANCREATIC NEOPLASMS, metabolism/ PANCREATITIS, diagnosis/ *PANCREATITIS, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

4484. **Watanabe H, Nicholson WE, Orth DN:** Inhibition of adrenocorticotropic hormone production by glucocorticoids in mouse pituitary tumor cells. Endocrinology 93:411-6, Aug 73
ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL LINE/ CLONE CELLS/ CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, biosynthesis/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEEDBACK/ *GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MICE/ PITUITARY GLAND, physiology/ *PITUITARY NEOPLASMS, metabolism/ PROGESTERONE, pharmacodynamics/ RATS/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ TRIAMCINOLONE, pharmacodynamics

4485. **Watanabe H, Passonneau JV:** Factors affecting the turnover of cerebral glycogen and limit dextrin in vivo. J Neurochem 20:1543-54, Jun 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBON ISOTOPES/ DEPRESSION, CHEMICAL/ GLUCOSE, metabolism/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ MALE/ MATHEMATICS/ MICE/ MODELS, CHEMICAL/ *PHENOBARBITAL, pharmacodynamics/ *POLYSACCHARIDES, metabolism/ STIMULATION, CHEMICAL

4486. **Watanabe S, Shimosato Y, Okita T, et al:** Leukemia and thyroid carcinoma found among A-bomb survivors in Hiroshima. Recent Results Cancer Res 39:57-83, 1972
ADENOCARCINOMA/ ADOLESCENCE/ ADULT/ AGED/ *ATOMIC ENERGY/ *CARCINOMA/ CARCINOMA, PAPILLARY/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ EPIDEMIOLOGY/ FEMALE/ HUMAN/ INFANT/ JAPAN/ *LEUKEMIA/ MALE/ MIDDLE AGE/ MORTALITY/ RADIATION GENETICS/ *RADIATION INJURIES/ *THYROID NEOPLASMS/ TIME FACTORS/ WAR

4487. **Watatani H:** [Fractionation of urinary neutral steroids of normal adults and women in early pregnancy by gas-liquid chromatography]

Folia Endocrinol Jap 49:1080-102, 20 Aug 73 (Jap)
ABORTION, urine/ ABORTION, THREATENED, urine/ ADULT/ *CHROMATOGRAPHY, GAS/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *PREGNANCY/ *PREGNANEDIOL, urine/ TIME FACTORS

4488. **Watson JG, Higgins TJ, Collins PB, et al:** The mouse liver aldehyde oxidase locus (Aox).
Biochem Genet 6:195-204, Apr 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDEHYDE OXIDOREDUCTASES/ ALDEHYDE OXIDOREDUCTASES, physiology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ FEMALE/ KINETICS/ LETHAL DOSE 50/ LINKAGE (GENETICS)/ *LIVER, enzymology/ MALE/ METHYLATION/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MICE, INBRED STRAINS/ NICOTINAMIDE, toxicity/ RECOMBINATION, GENETIC

4489. **Wattez C:** Effet de l'ablation des tentacules oculares sur la gonade en croissance et en cours de régénération chez Arion subfuscus Draparnaud (Gastéropode pulmoné.
Gen Comp Endocrinol 21:1-8, Aug 73 (Fre)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GONADS, growth & development/ *MOLLUSCA, physiology

4490. **Wawryk R, Samochowiec E, Rzempoluch J, et al:** Badania nad zachowaniem się gonadotropiny kosmówkowej (HCG) w moczu w czasie leczenia poronienia nawykowego i zagrażającego gestanonem.
Ginekol Pol 44:665-70, Jun 73 (Pol)
*ABORTION, HABITUAL, drug therapy/ ABORTION, HABITUAL, urine/ *ABORTION, THREATENED, drug therapy/ ABORTION, THREATENED, urine/ ENGLISH ABSTRACT/ *ESTRANES, therapeutic use/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ PREGNANCY/ TIME FACTORS

4491. **Wayner MJ, Carey RJ:** Basic drives.
Annu Rev Psychol 24:53-80, 1973 (156 ref.)
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ ATROPINE, diagnostic use/ BEHAVIOR, ANIMAL/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ BRAIN, physiology/ CARBACHOL, diagnostic use/ DRINKING/ *DRIVE/ EATING/ HOMEOSTASIS/ HYPOTHALAMUS, physiology/ INSULIN, physiology/ MONKEYS/ NOREPINEPHRINE, diagnostic use/ OBESITY/ RABBITS/ RATS/ RETICULAR FORMATION, physiology/ REVIEW/ SEX HORMONES, physiology/ WATER DEPRIVATION

4492. **Wayner MJ, Greenberg I, Tartaglione R, et al:** A new factor affecting the consumption of ethyl alcohol and other sapid fluids. Physiol Behav 8:345-62, Feb 72
*ALCOHOL DRINKING/ ALCOHOL, ETHYL, administration & dosage/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ CIRCADIAN RHYTHM/ *DRINKING/ ELECTRIC STIMULATION/ FOOD DEPRIVATION/ HYPOTHALAMUS, physiology/ MALE/ OSMOLAR CONCENTRATION/ *PERIODICITY/ QUININE/ RATS/ SACCHARIN/ *TASTE/ WATER DEPRIVATION

4493. **Webb DR, Stites DP, Periman JD, et al:** Lymphocyte activation: the dualistic effect of cAMP.
Biochem Biophys Res Commun 53:1002-8, 6 Aug 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BROMIDES, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELLS, CULTURED/ DNA, biosynthesis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ PLANT AGGLUTININS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ TRITIUM

4494. **Weber A, Poenaru L, Lafarge C, et al:** Modification of hexosaminidase isozymes in rat hepatoma.
Cancer Res 33:1925-30, Aug 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ ELECTROPHORESIS/ ERYTHROCYTES, enzymology/ HEAT/ HEPATECTOMY/ *HEPATOMA, enzymology/ *HEXOSAMINIDASES, analysis/ HEXOSAMINIDASES, blood/ *ISOENZYMES, analysis/ KINETICS/ LIVER, embryology/ LIVER, enzymology/ *LIVER NEOPLASMS, enzymology/ LIVER REGENERATION/ LUNG, enzymology/ MUSCLES, enzymology/ NEOPLASMS, EXPERIMENTAL, enzymology/ PLACENTA, enzymology/ RATS

4495. **Weber U:** Prostaglandine und hormonale regulation.
Med Monatsschr 27:290-5, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ CELL MEMBRANE, physiology/ CELLS, metabolism/ CHEMISTRY/ FEMALE/ GUINEA PIGS/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HORMONES, pharmacodynamics/ HUMAN/ IN VITRO/ MALE/ MICE/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, history/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ SHEEP

4496. **Weedon DD, DeMeester LJ, Elveback LR, et al:** Cytotoxicity of human lymphotoxin for tumor and normal human tissue cells in vitro.
Mayo Clin Proc 48:556-9, Aug 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ BONE AND BONES, immunology/ BRAIN, immunology/ COLON, immunology/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ EPITHELIAL CELLS, immunology/ ESOPHAGUS, immunology/ FEMALE/ HUMAN/ KIDNEY, immunology/ LARYNX, immunology/ LE CELLS/ LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, LYMPHOCYTIC, immunology/ LEUKEMIA, MYELOCYTIC, immunology/ LUNG, immunology/ *LYMPHOCYTES, immunology/ MALE/ MIDDLE AGE/ *NEOPLASMS, immunology/ OVARY, immunology/ SPLEEN, immunology/ STOMACH, immunology/ TESTIS, immunology

4497. **Weeks JR, DuCharme DW, Magee WE, et al:** The biological activity of the (15S)-15-methyl analogs of prostaglandins. E2 and F2a.
J Pharmacol Exp Ther 186:67-74, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ COLON, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FERTILITY, drug effects/ GERBILS/ HAMSTERS/ IN VITRO/ MALE/ OXIDOREDUCTASES, metabolism/ PREGNANCY/ PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STATISTICS/ UTERUS, drug effects/ VASCULAR RESISTANCE, drug effects

4498. **Wehinger H, Kim SK:** Untersuchungen mit einem cytochemischen NBT-Test.
Z Kinderheilkd 114:175-90, 1973 (Ger)
BACTERIAL INFECTIONS, diagnosis/ BIRTH WEIGHT/ CHILD/ COLLAGEN DISEASES, diagnosis/ ENDOTOXINS, pharmacodynamics/ ENGLISH ABSTRACT/ GESTATIONAL AGE/ HEMOPHILIA, diagnosis/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ MENINGOCOCCAL INFECTIONS, diagnosis/ MONILIASIS, diagnosis/ *PHAGOCYTE BACTERICIDAL DYSFUNCTION, diagnosis/ SEPTICEMIA, diagnosis/ STEROIDS, pharmacodynamics/ TETRAZOLIUM SALTS, diagnostic use/ TIME FACTORS/ TUBERCULOSIS, diagnosis/ VIRUS DISEASES, diagnosis

4499. **Wei E:** Morphine analgesia, tolerance and physical

dependence in the adrenalectomized rat.
Br J Pharmacol 47:693-9, Apr 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANALGESIA/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CORTICOSTERONE, pharmacodynamics/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS, chemically induced/ MALE/ *MORPHINE, pharmacodynamics/ *MORPHINE ADDICTION/ NALOXONE/ ORGAN WEIGHT/ PITUITARY GLAND, physiology/ PLACEBOS/ RATS/ TIME FACTORS

0. **Weinbren K, Washington S, Dowling F:** The proliferative response after partial hepatectomy in hypophysectomized rats bearing portacaval anastomoses. Br J Exp Pathol 54:429-36, Aug 73
ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DNA, biosynthesis/ *HEPATECTOMY/ *HYPOPHYSECTOMY/ LIVER, physiology/ *LIVER REGENERATION/ MALE/ MITOSIS/ ORGAN WEIGHT/ *PORTACAVAL ANASTOMOSIS/ RATS/ TESTIS/ TIME FACTORS

1. **Weinman DF:** Incidence and behavior pattern of intracranial tumors in Ceylon.
Int Surg 58:548-54, Aug 73
ADENOMA, occurrence/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANGIOSARCOMA, occurrence/ ASTROCYTOMA, occurrence/ *BRAIN NEOPLASMS, occurrence/ CEYLON/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, occurrence/ EPENDYMOMA, occurrence/ FEMALE/ GLIOBLASTOMA MULTIFORME, occurrence/ HUMAN/ INFANT/ MALE/ MEDULLOBLASTOMA, occurrence/ MENINGIOMA, occurrence/ MIDDLE AGE/ NEURILEMMOMA, occurrence/ OLIGODENDROGLIOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SEX FACTORS

2. **Weinshenker NM:** Improved preparation of a prostaglandin intermediate; 2-chloro-2-cyano-5-7-syn-methoxymethyl bicyclo (2.2.1) heptene.
Prostaglandins 3:219-22, Feb 73
ALKYLATION/ *BRIDGED COMPOUNDS, chem synthesis/ CYCLOPENTANE/ METHODS/ METHYL ETHER, chem synthesis/ NITRILES, chem synthesis/ *PROSTAGLANDINS, chem synthesis/ THALLIUM

3. **Weis AS, Tepperman HM, Tepperman J:** Effects of p-chlorophenoxyisobutyrate (CPIB) on serum insulin levels, insulin sensitivity, and adipose tissue cyclic AMP concentration. Endocrinology 93:504-9, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ *CLOFIBRATE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *INSULIN, blood/ INSULIN, pharmacodynamics/ MALE/ RATS

4. **Weis JS, Bleier LP:** The effect of hydrocortisone on limb regeneration in the bullfrog tadpole, Rana catesbeiana. J Embryol Exp Morphol 29:65-71, Feb 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CONNECTIVE TISSUE CELLS/ EXTREMITIES, anatomy & histology/ *EXTREMITIES, physiology/ FROGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ LARVA/ *RANA CATESBEIANA, physiology/ *REGENERATION, drug effects

5. **Weisbecker L, Schemmel K, Kinet M, et al:** Untersuchungen zum hormonalen Status nach Hypophysektomie.
Verh Dtsch Ges Inn Med 78:1525-9, 1972 (Ger)
ACROMEGALY, surgery/ GLUCOSE TOLERANCE TEST/ *HORMONES, metabolism/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOPHYSECTOMY

4506. **Weise HC, Graesslin D, Braendle W:** Microheterogeneity of HCG reflected in the beta-subunits.
Acta Endocrinol [Suppl] (Kbh) 173:55, 1973
BIOLOGICAL ASSAY/ ELECTROPHORESIS/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ ISOELECTRIC FOCUSING/ NEURAMINIC ACIDS, analysis

4507. **Weisman RL, Asseff CF, Phelps CD, et al:** Vertical elongation of the optic cup in glaucoma.
Trans Am Acad Ophthalmol Otolaryngol 77:op157-61, Mar-Apr 73
DEXAMETHASONE, diagnostic use/ FUNDUS OCULI/ *GLAUCOMA, diagnosis/ HUMAN/ INTRAOCULAR PRESSURE/ *MACULA LUTEA/ *OPTIC NERVE/ VISUAL FIELDS

4508. **Weiss B, Strada SJ:** Neuroendocrine control of the cyclic AMP system of brain and pineal gland.
Adv Cyclic Nucleotide Res 1:357-74, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ AGING/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ BRAIN, growth & development/ *BRAIN, metabolism/ CIRCADIAN RHYTHM/ KINETICS/ LIGHT/ *NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ PHENTOLAMINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ PINEAL BODY, growth & development/ *PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS/ TIME FACTORS

4509. **Weiss G, Dierschke DJ, Karsch FJ, et al:** The influence of lactation on luteal function in the rhesus monkey.
Endocrinology 93:954-9, Oct 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, physiology/ CORPUS LUTEUM, secretion/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *LACTATION/ MACACA/ MONKEYS/ OVARY, blood supply/ PREGNANCY/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ VEINS

4510. **Weiss M:** Biosynthesis of adrenocortical steroids by monotremes: echidna (Tachyglossus aculeatus) and platypus (Ornithorhynchus anatinus).
J Endocrinol 58:251-62, Aug 73
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, anatomy & histology/ ALDOSTERONE, biosynthesis/ ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, biosynthesis/ CORTISONE, biosynthesis/ FEMALE/ HYDROCORTISONE, biosynthesis/ 11-HYDROXYCORTICOSTEROIDS, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ IN VITRO/ MALE/ *MAMMALS, metabolism/ MONOTREMATA, metabolism/ ORGAN WEIGHT/ PREGNANES, biosynthesis/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism

4511. **Weissenbacher ER:** Nachweis von Mykoplasmen bei Uteruskarzinom.
Med Klin 68:1006-9, 27 Jul 73 (Ger)
*ADENOCARCINOMA, microbiology/ ADENOCARCINOMA, surgery/ CYSTOSCOPY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MIDDLE AGE/ *MYCOPLASMA, isolation & purification/ NEOPLASM METASTASIS/ THYROID NEOPLASMS/ URETEROCELE, surgery/ *UTERINE NEOPLASMS, microbiology/ UTERINE NEOPLASMS, surgery

4512. **Weissman IL:** Failure to demonstrate postnatal testicular dependent expression of the male-specific transplantation antigen in mice.
Transplantation 16:122-5, Aug 73

ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENIC DETERMINANTS/ FEMALE/ *HISTOCOMPATIBILITY ANTIGENS/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ PREGNANCY/ SEX FACTORS/ SKIN, immunology/ SKIN, transplantation/ TAIL, transplantation/ *TESTIS, immunology/ TESTIS, surgery/ TESTIS, transplantation/ TESTOSTERONE, blood/ TRANSPLANTATION, HOMOLOGOUS

4513. **Weisz J, Lloyd CW, Lobotsky J, et al:** Concentrations of unconjugated estrone, estradiol, androstenedione and testosterone in ovarian and peripheral venous plasma in women: the effects of steroid contraceptives.
J Clin Endocrinol Metab 37:254-60, Aug 73
ADULT/ *ANDROGENS, blood/ ANDROSTENEDIONE, blood/ CHROMATOGRAPHY, PAPER/ *CONTRACEPTIVES, ORAL/ *ESTRADIOL, blood/ *ESTRONE, blood/ ETHYNODIOL DIACETATE/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, blood/ MEDROXYPROGESTERONE/ MESTRANOL/ OVARY, blood supply/ PROGESTERONE, blood/ PROTEIN BINDING/ *TESTOSTERONE, blood/ VEINS

4514. **Weitgasser H:** Neue Behandlungsmöglichkeiten des Herpes simplex in der dermatologischen Praxis.
Hautarzt 24:298-301, Jul 73 **(Ger)**
ADULT/ ANTIGENS, VIRAL, administration & dosage/ ANTIGENS, VIRAL, adverse effects/ *ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ *DIMETHYL SULFOXIDE, therapeutic use/ FEMALE/ FEVER, etiology/ HERPES LABIALIS, drug therapy/ *HERPES SIMPLEX, drug therapy/ HERPES SIMPLEX, therapy/ HERPES ZOSTER, OCULAR, drug therapy/ HERPESVIRUS, immunology/ HUMAN/ HYPERSENSITIVITY, complications/ MALE/ MOUTH DISEASES/ OINTMENTS/ *PREDNISOLONE, therapeutic use/ *URIDINE, therapeutic use/ VACCINE THERAPY/ VACCINE THERAPY, adverse effects

4515. **Weitzner S:** Survival of patients with secondary carcinoma of prostate in the testis.
Cancer 32:447-9, Aug 73
*ADENOCARCINOMA, mortality/ AGE FACTORS/ AGED/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ *PROSTATIC NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, mortality/ TIME FACTORS

4516. **Weitzner S, Appenzeller J:** Ectopic cartilage in thyroid.
Oral Surg 36:241-2, Aug 73
AGED/ *CARTILAGE/ CASE REPORT/ HUMAN/ MALE/ *THYROID GLAND, anatomy & histology

4517. **Welch KM, Hashi K, Meyer JS:** Reconsideration of the role of serotonin in subarachnoid haemorrhage.
Proc Aust Assoc Neurol 9:155-64, 1973
ANIMAL EXPERIMENTS/ BABOONS/ BLOOD PRESSURE/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIES, pathology/ CEREBROVASCULAR CIRCULATION/ GLYCERIN, therapeutic use/ INJECTIONS/ MONKEYS/ OXYGEN CONSUMPTION/ PHENOXYBENZAMINE, therapeutic use/ SEROTONIN/ *SEROTONIN, blood/ SEROTONIN, metabolism/ *SUBARACHNOID HEMORRHAGE, blood/ SUBARACHNOID HEMORRHAGE, chemically induced/ SUBARACHNOID HEMORRHAGE, drug therapy/ SUBARACHNOID HEMORRHAGE, metabolism/ SUBARACHNOID HEMORRHAGE, pathology/ SUBARACHNOID HEMORRHAGE, physiopathology/ SUBARACHNOID SPACE/ VASCULAR RESISTANCE

4518. **Welch RA, Newling P, Anderson D:** Induction of parturition in cattle with corticosteroids: an analysis of field trials. NZ Vet J 21:103-8, Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CATTLE/ COMPARATIVE STUDY/ DEXAMETHASONE, administration & dosage/ FEMALE/ FERTILITY/ FLUMETHASONE, administration & dosage/ *GLUCOCORTICOIDS, administration & dosage/ *LABOR, INDUCED, veterinary/ LACTATION/ MALE/ MORTALITY/ PREGNANCY/ TRIAMCINOLONE ACETONIDE, administration & dosage

4519. **Weller M:** Tutankhamun: an adrenal tumour.
Lancet 2:1312, 16 Dec 72
ADRENAL GLAND NEOPLASMS, history/ EGYPT/ *FAMOUS PERSONS/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, ANCIENT

4520. **Weller M, Rodnight R:** Protein kinase activity in membrane preparations from ox brain. Stimulation of intrinsic activity by adenosine 3':5'-cyclic monophosphate.
Biochem J 132:483-92, Mar 73
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, enzymology/ CATTLE/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICROSOMES, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTEIN KINASE, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ SYNAPTOSOMES, enzymology/ TIME FACTORS

4521. **Wellman MR, Miller DR:** The nitroblue-tetrazolium dye test and infection in the renal patient.
Am Heart J 86:277-8, Aug 73
AZATHIOPRINE, therapeutic use/ *BACTERIAL INFECTIONS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DYES, diagnostic use/ GRAFT REJECTION/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, transplantation/ PHAGOCYTOSIS/ *POSTOPERATIVE COMPLICATIONS, diagnosis/ PREDNISOLONE, therapeutic use/ *TETRAZOLIUM SALTS, diagnostic use/ TRANSPLANTATION, HOMOLOGOUS/ *UREMIA, complications/ VIRUS DISEASES, diagnosis

4522. **Welsch B:** Synaptonemal Complex und Chromosomenstruktur in der achiasmatischen Spermatogenese von Panorpa communis (Mecoptera.
Chromosoma 43:19-74, 23 Jul 73 **(Ger)**
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ CHROMATIDS/ CHROMATIN/ *CHROMOSOMES/ DNA/ ENGLISH ABSTRACT/ FEMALE/ HETEROCHROMATIN/ HISTOCYTOCHEMISTRY/ *INSECTS/ MALE/ *MEIOSIS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOSIS/ MODELS, BIOLOGICAL/ OVUM/ PROTEINS/ RNA/ SEX CHROMOSOMES/ *SPERMATOGENESIS/ SPERMATOZOA, cytology

4523. **Welti H:** Essais cliniques avec le contraceptif oral Combiquens.
Ther Umsch 30:543-9, Jul 73 **(Fre)**
ADOLESCENCE/ ADULT/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *MEGESTROL, pharmacodynamics/ MIDDLE AGE/ OVULATION, drug effects

4524. **Wen CP, Hayes KC, Gershoff SN:** Effects of dietary supplementation of monosodium glutamate on infant monkeys, weanling rats, and suckling mice.
Am J Clin Nutr 26:803-13, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ ANTHROPOMETRY/ BLOOD PRESSURE, drug

effects/ BODY HEIGHT, drug effects/ *BODY WEIGHT, drug effects/ CEPHALOMETRY/ FEMALE/ GLUTAMATES, administration & dosage/ *GLUTAMATES, pharmacodynamics/ GLUTAMATES, toxicity/ HUMAN/ LACTATION/ MACACA/ MICE/ MONKEYS/ ORGAN WEIGHT/ PRIMATES/ RATS/ SODIUM, administration & dosage/ SODIUM, pharmacodynamics/ SODIUM, toxicity/ SPECIES SPECIFICITY

5. **Wen HL, Cheung SY:** Incidence of tumors in the nervous system in Hong Kong.
Int Surg 58:555-6, Aug 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ *BRAIN NEOPLASMS, occurrence/ CHILD/ CRANIOPHARYNGIOMA, occurrence/ CYSTS, occurrence/ FEMALE/ GLIOMA, occurrence/ HEMANGIOMA, occurrence/ HONG KONG/ HUMAN/ MALE/ MENINGIOMA, occurrence/ MIDDLE AGE/ MONGOLOID RACE/ NEOPLASM METASTASIS/ NEURILEMMOMA, occurrence/ PITUITARY NEOPLASMS, occurrence/ SPINAL CORD NEOPLASMS, occurrence

6. **Wenberg GM, Holland JC:** The circannual variations of thyroid activity in the woodchuck(Marmota monax).
Comp Biochem Physiol [A] 44:775-800, 1 Mar 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ FEMALE/ HIBERNATION/ IODIDES, metabolism/ IODINE ISOTOPES/ MALE/ MITOCHONDRIAL SWELLING, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ *RODENTS, metabolism/ SEASONS/ *THYROID GLAND, physiology/ THYROXINE, physiology/ THYROXINE, secretion/ THYROXINE-BINDING PROTEIN, metabolism/ TIME FACTORS/ UNCOUPLING AGENTS

7. **Wenger GR, Stitzel RE, Craig CR:** The role of biogenic amines in the reserpine-induced alteration of minimal electroshock seizure thresholds in the mouse.
Neuropharmacology 12:693-703, Jul 73
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, antagonists & inhibitors/ BIOGENIC AMINES, biosynthesis/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ BRAIN, enzymology/ BRAIN, metabolism/ *CONVULSIONS, metabolism/ DISULFIRAM, pharmacodynamics/ DOPAMINE, metabolism/ DRUG INTERACTIONS/ ELECTROSHOCK/ FEMALE/ HYDROXYTRYPTOPHAN, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ MICE/ NOREPINEPHRINE, metabolism/ *RESERPINE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM/ TYROSINE, pharmacodynamics/ TYROSINE HYDROXYLASE, antagonists & inhibitors

8. **Wenger ME, Bole GG:** Nitroblue tetrazolium dye reduction by peripheral leukocytes from rheumatoid arthritis and systemic lupus erythematosus patients measured by a histochemical and spectrophotometric method. J Lab Clin Med 82:513-21, Sep 73
ADOLESCENCE/ ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, drug therapy/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYCHLOROQUINE, therapeutic use/ IN VITRO/ LEUKOCYTES, analysis/ *LEUKOCYTES, metabolism/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ METHODS/ MIDDLE AGE/ MONOCYTES, metabolism/ NEUTROPHILS, metabolism/ NITRO COMPOUNDS, metabolism/ OXIDATION-REDUCTION/ PHAGOCYTES, metabolism/ PHAGOCYTOSIS/ PREDNISOLONE, therapeutic use/ *SPECTROPHOTOMETRY/ *TETRAZOLIUM SALTS, metabolism

9. **Wenger R:** Pharmakotherapie des kardiogenen Schocks. Int J Clin Pharmacol 7:127-31, Apr 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ CHLORPROMAZINE, therapeutic use/ DIGITALIS GLYCOSIDES, therapeutic use/ DOPAMINE, therapeutic use/ EPINEPHRINE, therapeutic use/ GLUCAGON, therapeutic use/ HUMAN/ ISOPROTERENOL, therapeutic use/ MEPHENTERMINE, therapeutic use/ NOREPINEPHRINE, therapeutic use/ OXYGEN INHALATION THERAPY/ PHENOXYBENZAMINE, therapeutic use/ *SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, physiopathology

4530. **Wenig C:** Ischämische zerebrale Insulte bei jüngeren Frauen unter Ovulationshemmern.
Munch Med Wochenschr 115:1023-8, 1 Jun 73 (Ger)
ADULT/ AGE FACTORS/ CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ *CEREBROVASCULAR DISORDERS, chemically induced/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ MIDDLE AGE

4531. **Wentz AC, Jones GS:** Transient luteolytic effect of prostaglandin F2alpha in the human.
Obstet Gynecol 42:172-81, Aug 73
ADULT/ BODY TEMPERATURE/ *CORPUS LUTEUM, drug effects/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LH, blood/ MENSTRUATION/ MENSTRUATION DISORDERS, chemically induced/ OVULATION/ PREGNANEDIOL, urine/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics

4532. **Wentz AC, Jones GS, Bledsoe T:** Effects of PGF2 infusion on human cortisol biosynthesis.
Prostaglandins 3:155-72, Feb 73
ADULT/ CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, pharmacodynamics/ DIURESIS/ FEMALE/ HUMAN/ *HYDROCORTISONE, biosynthesis/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INJECTIONS, INTRAVENOUS/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RADIOLIGAND ASSAY/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ WATER

4533. **Wentz AC, Jones GS:** Intravenous prostaglandin F2alpha for induction of menses.
Fertil Steril 24:569-77, Aug 73
ABORTION, THERAPEUTIC/ ADULT/ CURETTAGE/ ENDOMETRIUM, drug effects/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INJECTIONS, INTRAVENOUS/ *MENSTRUATION, drug effects/ OVULATION/ PREGNANCY/ PREGNANCY TESTS/ PREGNANCY TESTS, IMMUNOLOGIC/ PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY

4534. **Wenzel KW, Meinhold H, Bogner U, et al:** Serum TSH levels in thyroidectomized patients after withdrawal of thyroid hormone therapy or oral administration of TRH. Acta Endocrinol [Suppl] (Kbh) 173:15, 1973
ADMINISTRATION, ORAL/ DRUG WITHDRAWAL SYMPTOMS/ HUMAN/ NEOPLASM METASTASIS/ RADIOIMMUNOASSAY/ THYROID HORMONES, administration & dosage/ *THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, therapy/ THYROIDECTOMY/ *THYROTROPIN, blood

4535. **Werf-Messing B van der:** The treatment of pulmonary

metastases of malignant teratoma of the testis.
Clin Radiol 24:121-3, Jan 73
ACTINOMYCIN, therapeutic use/ CHLORAMBUCIL, therapeutic use/ HUMAN/ LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiotherapy/ *LUNG NEOPLASMS, therapy/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PNEUMONIA, etiology/ PNEUMONIA, prevention & control/ PREDNISONE, therapeutic use/ RADIOTHERAPY DOSAGE/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, radiotherapy/ *TERATOID TUMOR, therapy/ *TESTICULAR NEOPLASMS, therapy

4536. **Werk EE Jr, Sholiton LE, Kalejs L:** Testosterone-secreting adrenal adenoma under gonadotropin control.
N Engl J Med 289:767-70, 11 Oct 73
ADENOMA, complications/ *ADENOMA, metabolism/ ADENOMA, pathology/ ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, pathology/ CASTRATION/ DEPRESSION, CHEMICAL/ ESTROGENS, pharmacodynamics/ FEMALE/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, physiology/ HORMONES, ECTOPIC, secretion/ HUMAN/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism/ OVARY, metabolism/ STIMULATION, CHEMICAL/ TESTOSTERONE, analysis/ *TESTOSTERONE, secretion/ TESTOSTERONE, urine/ VIRILISM, etiology

4537. **Werner S, Löw H:** Stimulation of lipolysis and calcium accumulation by parathyroid hormone in rat adipose tissue in vitro after adrenalectomy and administration of high doses of cortisone acetate.
Horm Metab Res 5:292-6, Jul 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CORTISONE, pharmacodynamics/ EPIDIDYMIS, metabolism/ FATTY ACIDS, metabolism/ GLYCERIN, metabolism/ IN VITRO/ LIPID MOBILIZATION, drug effects/ *LIPIDS, metabolism/ MALE/ ORGAN WEIGHT/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ TIME FACTORS

4538. **Werthamer S, Samuels AJ, Amaral L:** Identification and partial purification of "transcortin"-like protein within human lymphocytes.
J Biol Chem 248:6398-407, 25 Sep 73
AMINO ACIDS, analysis/ ANTIGENIC DETERMINANTS/ *BLOOD PROTEINS, analysis/ BUFFERS/ CELL NUCLEUS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, analysis/ DIALYSIS/ ELECTROPHORESIS, DISK/ FLUORESCEINS/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, immunology/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RABBITS, immunology/ SUBCELLULAR FRACTIONS, analysis/ SULFHYDRYL REAGENTS/ *TRANSCORTIN/ TRITIUM

4539. **West CD, Tyler FH:** The impact of radioimmunoassay on our understanding of human adrenal physiology.
Metabolism 22:995-1002, Aug 73 (36 ref.)
ADRENAL GLANDS, physiology/ CIRCADIAN RHYTHM/ CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, blood/ *CORTICOTROPIN, metabolism/ CUSHING'S SYNDROME, metabolism/ HUMAN/ HYDROCORTISONE, biosynthesis/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, physiology/ HYPOPITUITARISM, diagnosis/ HYPOTHALAMUS, physiology/ MSH, metabolism/ PITUITARY GLAND, physiology/ *RADIOIMMUNOASSAY/ REVIEW

4540. **Westergaard M, Wettstein D von:** The synaptinemal complex. Annu Rev Genet 6:71-110, 1972 (104 ref.)
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CHROMATIDS/ CHROMATIN/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ CROSSING OVER (GENETICS)/ DNA, analysis/ DNA, biosynthesis/ DROSOPHILA MELANOGASTER/ HAPLOIDY/ HUMAN/ INSECTS/ *MEIOSIS/ MUTATION/ NEUROSPORA CRASSA/ ORGANOIDS/ PLANT PROTEINS, biosynthesis/ PLANTS, metabolism/ POLYPLOIDY/ REVIEW/ RNA, analysis/ RNA, biosynthesis/ SEX CHROMOSOMES/ SPERMATOZOA, cytology

4541. **Westerholm B:** Adverse drug reactions. A problem for drug regulatory agencies.
Int J Clin Pharmacol 7:183-9, Apr 73
AGRANULOCYTOSIS, chemically induced/ AGRANULOCYTOSIS, occurrence/ CONTRACEPTIVES, ORAL, adverse effects/ *DRUG AND NARCOTIC CONTROL/ *DRUG THERAPY, adverse effects/ FEMALE/ GREAT BRITAIN/ HUMAN/ JAUNDICE, chemically induced/ JAUNDICE, complications/ JAUNDICE, occurrence/ PHARMACY AND THERAPEUTICS COMMITTEE/ POPULATION SURVEILLANCE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PRURITUS, complications/ PYRAZOLES, adverse effects/ QUESTIONNAIRES/ RETROSPECTIVE STUDIES/ SULFONIC ACIDS, adverse effects/ SWEDEN/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, occurrence

4542. **Weston WL, Mandel MJ, Yeckley JA, et al:** Mechanism of cortisol inhibition of adoptive transfer of tuberculin sensitivity.
J Lab Clin Med 82:366-71, Sep 73
ANIMAL EXPERIMENTS/ FREUND'S ADJUVANT, administration & dosage/ GUINEA PIGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ HYPERSENSITIVITY, DELAYED/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LEUKOCYTES, drug effects/ LEUKOCYTES, immunology/ LYMPH NODES, immunology/ MACROPHAGES, drug effects/ MACROPHAGES, immunology/ *PASSIVE TRANSFER/ *TUBERCULIN/ TUBERCULIN, administration & dosage/ TUBERCULIN TEST

4543. **Westphal U, Harding GB:** Steroid-protein interactions. XXVII. Progesterone binding to polymers of human serum albumin.
Biochim Biophys Acta 310:518-27, 15 Jun 73
BINDING SITES/ CARBON ISOTOPES/ COMPUTERS, DIGITAL/ DIALYSIS/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HUMAN/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ MERCAPTOETHANOL/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ *PROGESTERONE/ PROTEIN BINDING/ *SERUM ALBUMIN/ SERUM ALBUMIN, isolation & purification/ SODIUM DODECYL SULFATE

4544. **Wezeman FH, Ray RD:** Effects of immune environments upon bone in vitro. I. Cytotoxicity of antibodies to bone homogenates.
Clin Orthop 93:297-306, Jun 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ *BONE AND BONES, immunology/ BONE AND BONES, pathology/ CELL-FREE SYSTEM/ CHICKENS/ COMPLEMENT/ CROSS REACTIONS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FIBROBLASTS, growth &

development/ GEL DIFFUSION TESTS/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IN VITRO/ METHODS/ MICE/ MICROSCOPY, FLUORESCENCE/ MURAMIDASE/ RABBITS/ SHEEP, immunology/ TISSUE CULTURE

4545. **Whanger PD:** Effects of dietary nickel on enzyme activities and mineral contents in rats. Toxicol Appl Pharmacol 25:323-31, Jul 73
ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CELL NUCLEUS, metabolism/ COPPER, metabolism/ DIET/ *ENZYMES, metabolism/ IRON, metabolism/ KIDNEY, cytology/ KIDNEY, metabolism/ LIVER, enzymology/ LIVER, metabolism/ *MINERALS, metabolism/ MYOCARDIUM, enzymology/ NICKEL, blood/ NICKEL, metabolism/ *NICKEL, pharmacodynamics/ RATS/ TESTIS, metabolism/ ZINC, metabolism

4546. **Whitaker AN, Bunce I, Nicoll P, et al:** Interaction of angiotensin with disseminated intravascular coagulation: a possible mechanism in the genesis of acute renal failure. Am J Pathol 72:1-12, Jul 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ CAPILLARIES/ CREATININE, blood/ *DISSEMINATED INTRAVASCULAR COAGULATION/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ FIBRINOGEN/ KIDNEY, drug effects/ *KIDNEY CORTEX NECROSIS, etiology/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY GLOMERULUS/ RABBITS/ RENIN, pharmacodynamics/ THROMBIN, pharmacodynamics/ THROMBOSIS, etiology

4547. **White IG:** Biochemical aspects of spermatozoa and their environment in the male reproductive tract. J Reprod Fertil [Suppl] 18:225-35, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CATTLE/ CONTRACEPTIVE AGENTS/ DEHYDROEPIANDROSTERONE, analysis/ DEHYDROEPIANDROSTERONE, blood/ EPIDIDYMIS, analysis/ EPIDIDYMIS, physiology/ *GENITALIA, MALE, metabolism/ HUMAN/ MALE/ PROTEINS, analysis/ SHEEP/ *SPERMATOZOA, metabolism/ SWINE/ TESTIS, analysis/ TESTIS, metabolism/ TESTOSTERONE, analysis/ TESTOSTERONE, blood/ VAS DEFERENS, analysis

4548. **Whitehead S, Ruf KB:** The effects of halothane on ovulation in the rat. Experientia 29:880-1, 1973
ANIMAL EXPERIMENTS/ FEMALE/ *HALOTHANE, pharmacodynamics/ LH, pharmacodynamics/ LH, secretion/ *OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, secretion/ RATS/ URETHANE, pharmacodynamics

4549. **Whitelaw AG, Cohen SL:** Ectopic production of calcitonin. Lancet 2:443, 25 Aug 73
*BRONCHIAL NEOPLASMS, metabolism/ *CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, OAT CELL, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROCALCITONIN, biosynthesis/ *THYROCALCITONIN, blood

4550. **Whitney RB, Sutherland RM:** Characteristics of calcium accumulation by lymphocytes and alterations in the process induced by phytohemagglutinin. J Cell Physiol 82:9-20, Aug 73
BINDING, COMPETITIVE/ *CALCIUM, metabolism/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIFFUSION/ HUMAN/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, metabolism/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ *PLANT AGGLUTININS, pharmacodynamics

4551. **Wide L, Nillius SJ, Gemzell C, et al:** Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women. Acta Endocrinol [Suppl] (Kbh) 174:3-58, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, physiology/ FEMALE/ *FSH, analysis/ FSH, blood/ FSH, urine/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, analysis/ LH, blood/ LH, urine/ MALE/ MENOPAUSE/ MENSTRUATION/ MENSTRUATION DISORDERS, blood/ METHODS/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX FACTORS/ TIME FACTORS

4552. **Widholm O:** Clomifen in the treatment of anovulatory women. Int J Fertil 18:81-4, 1973
CLOMIPHENE, administration & dosage/ *CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ OVULATION/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ TIME FACTORS

4553. **Widmann WD, Douglass WC:** Hemoptysis secondary to fish bone penetration of the esophagus. Chest 64:265-6, Aug 73
ADULT/ BONE AND BONES/ BRONCHOSCOPY/ EMPYEMA, etiology/ EMPYEMA, radiography/ *ESOPHAGUS, injuries/ FISHES/ *FOREIGN BODIES, complications/ *HEMOPTYSIS, etiology/ HUMAN/ LUNG ABSCESS, etiology/ LUNG ABSCESS, radiography/ LUNG ABSCESS, surgery/ MALE/ TOMOGRAPHY, RADIOGRAPHIC

4554. **Wiedemann HR:** E.M.G. syndrome. Lancet 2:626-7, 15 Sep 73
*EAR, EXTERNAL, abnormalities/ *GIGANTISM, complications/ GIGANTISM, familial & genetic/ HUMAN/ INFANT, NEWBORN/ SYNDROME/ *TONGUE, abnormalities/ *UMBILICAL HERNIA, complications/ UMBILICAL HERNIA, familial & genetic

4555. **Wiederschain GY, Kolibaba LG, Rosenfeld EL:** Human alpha-L-fucosidases. Clin Chim Acta 46:305-10, 14 Jul 73
*AMNIOTIC FLUID, enzymology/ DRUG STABILITY/ FEMALE/ FUCOSE/ GALACTOSE/ GEL FILTRATION/ GLUCOSAMINE/ GLUCOSE/ GLUCURONATES/ *GLYCOSIDE HYDROLASES, isolation & purification/ GLYCOSIDES/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KIDNEY, enzymology/ LIVER, enzymology/ NITROBENZENES/ ORGAN SPECIFICITY/ *PLACENTA, enzymology/ PREGNANCY/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP

4556. **Wiegelmann W, Solbach WG, Kley KH, et al:** ICSH(LH) and FSH levels in plasma after i.v. administration of LH-RH in impaired gonadal function. Acta Endocrinol [Suppl] (Kbh) 173:95, 1973
ADENOMA, blood/ ANOREXIA NERVOSA, blood/ ANOSMIA/ COLOR BLINDNESS/ EUNUCHISM, blood/ FEMALE/ *FSH, blood/ HUMAN/ *HYPOGONADISM, blood/ HYPOPITUITARISM, blood/ *LH, blood/ MALE/ MENTAL RETARDATION/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY/ SEX CHROMOSOME ABNORMALITIES, blood

4557. **Wieland O:** Molekular Endokrinologie. Verh Dtsch Ges Inn Med 78:331-44, 1972 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CHEMISTRY/ *ENDOCRINE GLANDS, physiology/ HORMONES, pharmacodynamics/ IN VITRO/ INSULIN, biosynthesis/ INSULIN, secretion/ PROINSULIN/ RATS

4558. **Wieland RG, Hallberg MC, Koepke KR, et al:** Pituitary-gonadal rhythms in the eugonadal adult male. Fertil Steril 24:644-7, Aug 73
ADULT/ FSH, blood/ HUMAN/ LH, blood/ MALE/ PERIODICITY/ *PITUITARY GLAND, secretion/ *TESTIS, secretion/ TESTOSTERONE, blood

4559. **Wieland RG, Hallberg MC, Zorn EM:** Growth hormone response to intramuscular glucagon.
J Clin Endocrinol Metab 37:329-30, Aug 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GLUCAGON, administration & dosage/ *GLUCAGON, diagnostic use/ GROWTH DISORDERS, blood/ HUMAN/ HYPOPITUITARISM, blood/ INFANT/ INJECTIONS, INTRAMUSCULAR/ MALE/ *SOMATOTROPIN, blood/ TIME FACTORS

4560. **Wierciak Z, Głowiński J:** Przypadek gruczolaka chromochlonnego pęcherza.
Pol Przegl Chir 45:921-4, Jun 73 **(Pol)**
ADULT/ *BLADDER NEOPLASMS, complications/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, etiology/ HUMAN/ NAUSEA, etiology/ *PHEOCHROMOCYTOMA, complications/ URINATION DISORDERS, etiology

4561. **Wigzell H:** The functional significance of surface structures on lymphocytes.
Ann Immunol (Paris) 124:7-15, Feb 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, immunology/ COMPLEMENT/ GENES/ GUINEA PIGS/ HISTAMINE/ HISTOCOMPATIBILITY ANTIGENS/ HYBRIDIZATION/ IMMUNOGLOBULINS, analysis/ IMMUNOGLOBULINS, FC/ INSULIN/ *LYMPHOCYTES, immunology/ MICE/ RECEPTORS, DRUG/ RECEPTORS, HORMONE/ SURFACE PROPERTIES

4562. **Wilber JA:** The management of hypertension during pregnancy. J Reprod Med 8:53-6, Feb 72
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSIS, LABORATORY/ DIURETICS, therapeutic use/ DOPA, therapeutic use/ FEMALE/ HUMAN/ HYDRALAZINE, therapeutic use/ HYPERTENSION, classification/ HYPERTENSION, complications/ HYPERTENSION, diagnosis/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ *HYPERTENSION, therapy/ KIDNEY DISEASES, complications/ MALE/ PHEOCHROMOCYTOMA, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, therapy/ PREGNANCY TOXEMIAS/ PROGNOSIS/ PROTEINURIA/ REST

4563. **Wilcox CS, Aminoff MJ, Keenan J, et al:** The effect of intravenous catecholamines on circulating levels of growth hormone, corticotrophin and cortisol in man.
J Endocrinol 58:vi, Jul 73
ADULT/ CATECHOLAMINES, administration & dosage/ *CATECHOLAMINES, pharmacodynamics/ *CORTICOTROPIN, blood/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ NOREPINEPHRINE, pharmacodynamics/ *SOMATOTROPIN, blood

4564. **Wilczek H, Pacovský V:** Poznámky k fyziologii a metabolismu cholekalciferolu.
Cas Lek Cesk 112:853-5, 1973 **(Cze)**
*CHOLECALCIFEROL/ CHOLECALCIFEROL, metabolism/ CHOLECALCIFEROL, physiology/ ENGLISH ABSTRACT/ HUMAN/ PARATHYROID HORMONE, metabolism/ PROTEIN BINDING/ THYROCALCITONIN, metabolism

4565. **Wildenthal K:** Maturation of responsiveness to cardioactive drugs. Differential effects of acetylcholine, norepinephrine, theophylline, tyramine, glucagon, and dibutyryl cyclic AMP on atrial rate in hearts of fetal mice.
J Clin Invest 52:2250-8, Sep 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CULTURE MEDIA/ *FETAL HEART, drug effects/ FETAL HEART, growth & development/ FETAL HEART, physiology/ GESTATIONAL AGE/ GLUCAGON, pharmacodynamics/ HEART ATRIUM, drug effects/ HEART ATRIUM, physiology/ *HEART RATE, drug effects/ ISOPROTERENOL, pharmacodynamics/ MICE/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ PREGNANCY/ THEOPHYLLINE, pharmacodynamics/ TYRAMINE, pharmacodynamics

4566. **Wildiers J, Drochmans A, Van der Schueren G:** Plasmocytomes généralisés et solitaires. Analyse de 55 cas.
Rev Med Liege 28:454-9, 15 Jun 73 **(Fre)**
ADULT/ AGE FACTORS/ AGED/ BENCE JONES PROTEIN, urine/ *BONE NEOPLASMS/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, radiotherapy/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MULTIPLE MYELOMA/ MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, radiotherapy/ *PLASMACYTOMA/ PLASMACYTOMA, drug therapy/ PLASMACYTOMA, radiotherapy/ PREDNISONE, therapeutic use/ SEX FACTORS/ SYNDROME

4567. **Wildmeister W, Kurz E, Horster FA, et al:** Zur diagnostischen Bedeutung der Schilddrüsenaspirationspunktion und Cytology bei Schilddrüsenkrankheiten.
Verh Dtsch Ges Inn Med 78:289-92, 1972 **(Ger)**
BIOPSY, NEEDLE/ CYTODIAGNOSIS/ HUMAN/ METHODS/ *THYROID DISEASES, diagnosis

4568. **Wildt L, Leyendecker G, Nocke W:** Comparative studies on the physico-chemical properties of human pituitary and plasma gonadotropins.
Acta Endocrinol [Suppl] (Kbh) 173:57, 1973
CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ FSH, blood/ GEL FILTRATION/ HUMAN/ *LH, analysis/ LH, blood/ MENOPAUSE/ MOLECULAR WEIGHT/ PITUITARY GLAND/ RADIOIMMUNOASSAY/ TISSUE EXTRACTS

4569. **Wilk F:** Die Hypothyreose beim Säugling.
Wien Med Wochenschr 123:418-20, 30 Jun 73 **(Ger)**
FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ INFANT/ PROTEIN-BOUND IODINE TEST/ THYROXINE/ TRIIODOTHYRONINE, therapeutic use

4570. **Wilkinson EJ, Friedrich EG Jr, Mattingly RF, et al:** Turner's syndrome with endometrial adenocarcinoma and stilbestrol therapy.
Obstet Gynecol 42:193-200, Aug 73
*ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, complications/ ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ ADULT/ BIOPSY/ *DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ *ENDOMETRIUM/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, therapeutic use/ HYSTERECTOMY/ KARYOTYPING/ MEDROXYPROGESTERONE, therapeutic use/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, drug therapy/ TURNER'S SYNDROME, familial & genetic/ *UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, surgery

4571. **Wilks JW, Forbes KK, Norland JF:** Prostaglandins and in vitro ovarian progestin biosynthesis. Prostaglandins 3:427-37, Apr 73
ACETATES/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ *CORPUS LUTEUM, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ *HYDROXYPROGESTERONE, biosynthesis/ KETO ACIDS, pharmacodynamics/ LH, pharmacodynamics/ *OVARY, drug effects/ OVARY, metabolism/ *PROGESTERONE, biosynthesis/ PROLACTIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

4572. **Willeberg P, Krogsgaard OW:** Nogle tilfaelde af Cushings syndrom hos hund. Nord Vet Med 24:113-22, Mar 72 (Dan)
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ CUSHING'S SYNDROME, diagnosis/ *CUSHING'S SYNDROME, veterinary/ *DOG DISEASES/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HYPERPLASIA/ MALE

4573. **Williams C:** Orchiolysis: correction of the undescended testicle without fixation. Br J Urol 45:437-40, Aug 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ DISSECTION/ HERNIA, surgery/ HUMAN/ MALE/ METHODS/ SPERMATIC CORD, surgery/ SUTURE TECHNICS

4574. **Williams G:** An approach to transsexual surgery. Nurs Times 69:787, 21 Jun 73
ETHICS, MEDICAL/ FEMALE/ *GENITALIA, MALE, surgery/ HUMAN/ JURISPRUDENCE/ MALE/ SEX REVERSAL, GONADAL/ *TRANSSEXUALISM, surgery

4575. **Williams KI:** Prostaglandin synthesis by the pregnant rat uterus at term and its possible relevance in parturition. Br J Pharmacol 47:628P-629P, Mar 73
ANIMAL EXPERIMENTS/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ FEMALE/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *LABOR/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ RATS/ UTERUS, drug effects/ *UTERUS, metabolism

4576. **Williams MH Jr:** Ventilatory failure in COPD. Postgrad Med 54:124-8, Sep 73
ACIDOSIS, etiology/ ACIDOSIS, RESPIRATORY, etiology/ AIRWAY OBSTRUCTION, complications/ ANOXEMIA, complications/ CARBON DIOXIDE, blood/ DIACETYLMORPHINE, poisoning/ HUMAN/ HYPERCAPNIA, etiology/ HYPOTHYROIDISM, complications/ HYPOVENTILATION, complications/ *LUNG DISEASES, OBSTRUCTIVE, complications/ LUNG DISEASES, OBSTRUCTIVE, physiopathology/ NEUROMUSCULAR DISEASES, complications/ OXYGEN, blood/ PULMONARY ALVEOLI, blood supply/ *PULMONARY ALVEOLI, physiopathology/ PULMONARY CIRCULATION/ PULMONARY EDEMA, complications/ PULMONARY EMBOLISM, complications/ RESPIRATION, drug effects/ *RESPIRATORY INSUFFICIENCY, etiology/ VENTILATION-PERFUSION RATIO/ WORK OF BREATHING

4577. **Williams PB, Hudgins PM:** Actions of hydrocortisone, desoxycorticosterone acetate and progesterone on 14C-norepinephrine uptake and metabolism by rabbit aorta. Pharmacology 9:262-9, 1973
ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, enzymology/ *AORTA, metabolism/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ *DESOXYCORTICOSTERONE, pharmacodynamics/ FLUOROMETRY/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ IPRONIAZID, pharmacodynamics/ MONOAMINE OXIDASE, antagonists & inhibitors/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *NOREPINEPHRINE, metabolism/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TIME FACTORS

4578. **Willig RP, Blunck W:** Cortisol, cortisone, and corticosterone in plasma following ACTH-stimulation during the first 6 hours of life. Acta Endocrinol [Suppl] (Kbh) 173:36, 1973
CHROMATOGRAPHY, PAPER/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ *INFANT, NEWBORN/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL

4579. **Willis AL, Cornelsen M:** Repeated injection of prostaglandin E2 in rat paws induces chronic swelling and a marked decrease in pain threshold. Prostaglandins 3:353-7, Mar 73
ANIMAL EXPERIMENTS/ FOOT/ FORELIMB/ *HYPERESTHESIA, chemically induced/ *INFLAMMATION, chemically induced/ INJECTIONS/ MALE/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ RATS

4580. **Willis AL, Kuhn DC:** A new potential mediator of arterial thrombosis whose biosynthesis is inhibited by aspirin. Prostaglandins 4:127-30, Jul 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, pharmacodynamics/ ASPIRIN, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ *FIBRINOLYTIC AGENTS, antagonists & inhibitors/ MALE/ *PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, biosynthesis/ SEMINAL VESICLES, enzymology/ SHEEP/ STIMULATION, CHEMICAL

4581. **Willnow U, Tischer W:** Thymusgeschwülste im Kindesalter. Zentralbl Chir 98:581-9, 20 Apr 73 (Ger)
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ ENDOSCOPY/ FEMALE/ FIBROMA, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ LIPOMA, diagnosis/ LYMPHANGIOMA, diagnosis/ LYMPHOSARCOMA, diagnosis/ MALE/ MEDIASTINUM/ THYMOMA, radiotherapy/ *THYMUS NEOPLASMS/ THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, drug therapy/ THYMUS NEOPLASMS, radiotherapy/ THYMUS NEOPLASMS, surgery

4582. **Wilson DE:** Prostaglandins: therapy for peptic ulcer? Ann Intern Med 79:269-70, Aug 73
ADENOSINE MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ DOGS/ GASTRIC JUICE, analysis/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ HISTAMINE, diagnostic use/ HUMAN/ PENTAGASTRIN, diagnostic use/ PEPSIN, secretion/ *PEPTIC ULCER, drug therapy/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ RATS/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL

4583. **Wilson DW, Thomas SJ, Pierrepoint CG, et al:** Measurement of various corticosteroids in foetal sheep plasma near term. J Endocrinol 58:v, Jul 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, blood/ CORTISONE, blood/ FEMALE/ *FETUS, physiology/ HYDROCORTISONE, blood/ PREGNANCY/ *SHEEP, physiology/ TRITIUM

4584. **Wilson GR:** Radioimmunoassay of oestriol in pregnancy plasma. Clin Chim Acta 46:297-304, 14 Jul 73
ALCOHOL, METHYL/ AMMONIUM SULFATE/ CATTLE/ CHROMATOGRAPHY, GAS/ ESTRADIOL/ *ESTRIOL, blood/ ESTROGENIC

SUBSTANCES, CONJUGATED, blood/ ESTROGENS/ ETHYL ETHER/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHANE/ METHODS/ PRECIPITATION/ *PREGNANCY/ PROTEINS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM/ URONIC ACIDS

4585. **Wilson MJ, Spaziani E:** Testosterone regulation of pigmentation in scrotal epidermis of the rat. Z Zellforsch Mikrosk Anat 140:451-8, 16 Jul 73
ANIMAL EXPERIMENTS/ ANUS/ CASTRATION/ DIPHENOL OXIDASES, metabolism/ DOPA/ EYELIDS/ HISTOCYTOCHEMISTRY/ KERATIN/ MALE/ MELANIN, metabolism/ *MELANOCYTES, drug effects/ PENIS/ *PIGMENTATION, drug effects/ RATS/ *SCROTUM/ *SKIN/ SKIN, enzymology/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

4586. **Wilson MJ, Spaziani E, Sigvardt KA:** The scrotum as target organ for testosterone: hormonal control of amino acid distribution. Endocrinology 93:743-7, Sep 73
*AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ EYELIDS, drug effects/ EYELIDS, metabolism/ INULIN, metabolism/ MALE/ RATS/ SCROTUM, drug effects/ *SCROTUM, metabolism/ SKIN, drug effects/ SKIN, metabolism/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

4587. **Wilson R, Raposo C, Venkatesan R, et al:** Hypercalcemia during the diuretic phase of acute renal failure. Med Ann DC 42:327-30, Jul 73
ADULT/ *DIURESIS/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, physiopathology/ HYPERPARATHYROIDISM, SECONDARY, complications/ *KIDNEY FAILURE, ACUTE, complications/ MALE/ VITAMIN D, metabolism

4588. **Wilson WW:** Thyroid disease and some complications. Ann R Coll Surg Engl 53:27-39, Jul 73
ASPHYXIA, complications/ GOITER, congenital/ GOITER, NODULAR, complications/ HEMORRHAGE/ HUMAN/ HYPOTHYROIDISM, complications/ RECURRENCE/ THYROID ANTAGONISTS, therapeutic use/ *THYROID DISEASES, complications/ THYROID DISEASES, drug therapy/ THYROID DISEASES, radiotherapy/ THYROID GLAND, secretion/ THYROID NEOPLASMS, etiology/ THYROIDECTOMY, adverse effects/ THYROIDITIS, complications/ THYROIDITIS, LYMPHOMATOUS, complications/ THYROXINE, secretion/ TRIIODOTHYRONINE, secretion

4589. **Winand RJ, Kohn LD:** Retrobulbar modifications in experimental exophthalmos: the effect of thyrotropin and an exophthalmos producing substance derived from thyrotropin on the 35SO4 incorporation and glycosaminoglycan content of Harderian glands. Endocrinology 93:670-80, Sep 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CHONDROITIN, metabolism/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS/ *EXOPHTHALMOS PRODUCING SUBSTANCE, pharmacodynamics/ GLUCOSAMINE, metabolism/ GUINEA PIGS/ HEPARIN, metabolism/ HYALURONIC ACID, metabolism/ INTESTINE, SMALL, metabolism/ *LACRIMAL APPARATUS, drug effects/ LACRIMAL APPARATUS, metabolism/ *MUCOPOLYSACCHARIDES, metabolism/ PEPSIN/ *SULFATES, metabolism/ SULFUR ISOTOPES/ *THYROTROPIN, pharmacodynamics

4590. **Wingate MB, Arrata WS, Iffy L:** Delayed ovulation. Ill Med J 144:44-7, Jul 73
ABNORMALITIES, etiology/ ABNORMALITIES, DRUG-INDUCED/ ABORTION/ CHROMOSOME ABERRATIONS/ GESTATIONAL AGE/ HUMAN/ MALE/ *OVULATION/ PREGNANCY/ *PREGNANCY COMPLICATIONS, etiology

4591. **Winkelmann RK, Gleich GJ:** Chronic acral dermatitis: association with extreme elevations of IgE. JAMA 225:378-81, 23 Jul 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ CANDIDA ALBICANS, isolation & purification/ CHRONIC DISEASE/ *DERMATITIS, diagnosis/ DERMATITIS, drug therapy/ DERMATITIS, immunology/ DERMATITIS, microbiology/ DERMATITIS, pathology/ *EXTREMITIES/ FEMALE/ HUMAN/ *IGE, analysis/ LEUKOCYTES, enzymology/ MALE/ MIDDLE AGE/ SKIN, pathology/ SKIN TESTS

4592. **Winter C, Fodor L, Eschner J, et al:** Succinylcholinbedingte Anderungen des Mineralhaushalts. Anaesthesist 22:227-31, May 73 **(Ger)**
ADULT/ ANESTHESIA, INHALATION/ ANESTHESIA, INTRAVENOUS/ CALCIUM, metabolism/ *CHLORINE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HALOTHANE/ HUMAN/ MAGNESIUM, metabolism/ *METALS, metabolism/ NITROUS OXIDE/ PHOTOMETRY/ POTASSIUM, metabolism/ SODIUM, metabolism/ *SUCCINYLCHOLINE, pharmacodynamics/ THIOPENTAL/ TOXIFERINE/ ZINC, metabolism

4593. **Winter R:** Untersuchungen über die monaminoxidasehemmenden Eigen schaften von Imidazolderivaten. Acta Biol Med Ger 30:555-61, 1973 **(Ger)**
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ DISEASE MODELS, ANIMAL/ DOPA, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *IMIDAZOLES, pharmacodynamics/ MICE/ *MONOAMINE OXIDASE, metabolism/ *MONOAMINE OXIDASE INHIBITORS/ MUSCLE CRAMP/ PHENIPRAZINE, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ TRYPTAMINES, pharmacodynamics

4594. **Wirth FP:** Insular-diencephalic connections in the Macaque. J Comp Neurol 150:361-92, Aug 73
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, anatomy & histology/ *DIENCEPHALON, anatomy & histology/ FEMALE/ FRONTAL LOBE, anatomy & histology/ *MACACA, anatomy & histology/ MALE/ MONKEYS/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ PARIETAL LOBE, anatomy & histology/ SILVER/ STAINS AND STAINING/ TEMPORAL LOBE, anatomy & histology/ *THALAMIC NUCLEI, anatomy & histology

4595. **Wise L:** The significance of serotonin in the gastrointestinal tract: clinical notes. Surgery 74:452-5, Sep 73
DUMPING SYNDROME/ GASTROINTESTINAL MOTILITY/ HUMAN/ HYDROXYINDOLEACETIC ACID, metabolism/ INTESTINAL OBSTRUCTION/ MALABSORPTION SYNDROMES/ PEPTIC ULCER/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ TRYPTOPHAN, metabolism

4596. **Wishart J:** Norwegian scabies, a Christchurch epidemic. Australas J Dermatol 13:127-31, Dec 72
CROSS INFECTION/ *DISEASE OUTBREAKS/ *FLUOCINOLONE ACETONIDE, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ NEW ZEALAND/ SCABIES, etiology/ *SCABIES, occurrence

4597. **Wiśniewski L, Nowiński A, Kobierski W:** Ocena ciałka Y za pomocą fluorescencji w mejozie u mężczyzn. Ginekol Pol 44:635-40, Jun 73 **(Pol)**

ENGLISH ABSTRACT/ FLUOROSCOPY/ HUMAN/ MALE/ *MEIOSIS/ *SEX CHROMOSOMES/ SEX FACTORS/ SPERMATOGENESIS

4598. **Wisniewski M, Deppisch LM:** Solid teratomas of the ovary. Cancer 32:440-6, Aug 73
ADOLESCENCE/ ADULT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ *OVARY, pathology/ PROGNOSIS/ TERATOID TUMOR, diagnosis/ *TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery

4599. **Wissler JH, Stecher VJ, Sorkin E:** Biochemistry and biology of a leucotactic binary serum peptide system related to anaphylatoxin.
Int Arch Allergy Appl Immunol 42:722-47, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ *ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ CHEMISTRY/ CHEMOTAXIS/ EOSINOPHILS/ GUINEA PIGS/ *HISTAMINE LIBERATION/ MOLECULAR WEIGHT/ NEUTROPHILS/ RATS/ SWINE/ *TOXINS/ TOXINS, isolation & purification

4600. **Witwicki T, Konarzewski J:** Tętniakowata torbiel kości.
Wiad Lek 26:1035-9, 1 Jun 73 (20 ref.) (Pol)
ADOLESCENCE/ AGE FACTORS/ *ANEURYSM/ ANEURYSM, complications/ BONE AND BONES, blood supply/ BONE AND BONES, pathology/ *BONE CYST/ BONE CYST, complications/ BONE RESORPTION, etiology/ CHILD/ FEMALE/ HUMAN/ MALE/ NEUROLOGIC MANIFESTATIONS/ PERIOSTEUM, radiography/ REVIEW/ SEX FACTORS/ TIME FACTORS/ VENOUS PRESSURE

4601. **Wlodarski K, Hancox NM, Brooks B:** The influence of cortisone and implantation site on bone and cartilage induction in various animals.
J Bone Joint Surg [Br] 55:595-603, Aug 73
ANIMAL EXPERIMENTS/ BONE MATRIX/ *BONE MATRIX, transplantation/ BONE REGENERATION, drug effects/ CARTILAGE, drug effects/ CELL DIFFERENTIATION, drug effects/ *CORTISONE, pharmacodynamics/ FEMALE/ GERBILS, immunology/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ MALE/ METHODS/ MICE/ RABBITS/ RATS/ *TRANSPLANTATION, HETEROLOGOUS/ TRANSPLANTATION IMMUNOLOGY

4602. **Wlodawer P, Samuelsson B:** On the organization and mechanism of prostaglandin synthetase.
J Biol Chem 248:5673-8, 25 Aug 73
ALCOHOLS/ ANIMAL EXPERIMENTS/ ARACHIDONIC ACID/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEUTERIUM/ EPINEPHRINE/ FATTY ACIDS, UNSATURATED/ GLUTATHIONE/ HYDROQUINONES/ MALE/ MASS SPECTRUM ANALYSIS/ *MICROSOMES, enzymology/ MODELS, CHEMICAL/ *MULTIENZYME COMPLEXES, metabolism/ *OXYGENASES, metabolism/ PEROXIDES/ PROSTAGLANDINS, biosynthesis/ SEMINAL VESICLES, cytology/ *SEMINAL VESICLES, enzymology/ SHEEP

4603. **Wocial B, Januszewicz W:** Aktywność reninowa osocza u chorych z guzem chromochłonnym.
Kardiol Pol 16:253-7, 1973 (Pol)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, enzymology/ ADRENAL GLAND NEOPLASMS, metabolism/ ADULT/ CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, enzymology/ PHEOCHROMOCYTOMA, metabolism/ *RENIN, blood

Woeber KA, Ingbar SH: Metabolism of L-thyroxine by phagocytosing human leukocytes.
J Clin Invest 52:1796-803, Aug 73
ANOXIA, metabolism/ CALCIUM, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ COLCHICINE, pharmacodynamics/ HUMAN/ HYDROGEN PEROXIDE, metabolism/ IN VITRO/ *IODIDES, metabolism/ IODINE ISOTOPES/ LEUKOCYTES, enzymology/ *LEUKOCYTES, metabolism/ PEROXIDASES, metabolism/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, blood/ *PHAGOCYTOSIS/ PHAGOCYTOSIS, drug effects/ PHOSPHOLIPASE, pharmacodynamics/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ STIMULATION, CHEMICAL/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism/ ZYMOSAN, pharmacodynamics

4605. **Wold JS, Smith RL, Williams RT:** Species variations in the O-methylation of n-butyl 4-hydroxy-3,5-diiodobenzoate.
Biochem Pharmacol 22:1865-73, 1 Aug 73
ANIMAL EXPERIMENTS/ *BENZOATES, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FECES, metabolism/ HIPPURATES, metabolism/ HUMAN/ IODINE, metabolism/ IODINE, urine/ IODINE ISOTOPES/ IODOBENZOATES, metabolism/ IODOBENZOATES, urine/ MACACA/ MASS SPECTRUM ANALYSIS/ METHYLATION/ MONKEYS/ RABBITS/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS

4606. **Wolf H:** Die kontinuierliche Rachitisprophylaxe.
Med Monatsschr 27:261-5, Jun 73 (Ger)
CHOLECALCIFEROL, administration & dosage/ *CHOLECALCIFEROL, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ *RICKETS, prevention & control/ TIME FACTORS

4607. **Wolf H, Egert D, Maass H:** Progesterone binding protein and the influence of corticosteroids on the uptake of progesterone by the rat uterus.
Acta Endocrinol [Suppl] (Kbh) 173:68, 1973
ANIMAL EXPERIMENTS/ *CARRIER PROTEINS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ FEMALE/ GEL FILTRATION/ *HYDROCORTISONE, metabolism/ ISOELECTRIC FOCUSING/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ TRITIUM/ *UTERUS, metabolism

4608. **Wolf LM, Courtois H, Schrub JC:** Hypercalcémie et thiazides.
Sem Hop Paris 49:1239-42, 8 Apr 73 (Fre)
*BENZOTHIADIAZINES, adverse effects/ DIABETIC ANGIOPATHIES, complications/ *DIURETICS, adverse effects/ DRUG SYNERGISM/ *EDEMA, drug therapy/ EDEMA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, chemically induced/ HYPERKALEMIA, etiology/ HYPONATREMIA, etiology/ MIDDLE AGE/ SPIRONOLACTONE, therapeutic use

4609. **Wolfe J:** Cell division, ciliary regeneration and cyclic AMP in a unicellular system.
J Cell Physiol 82:39-48, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CAFFEINE, pharmacodynamics/ *CELL DIVISION/ CELL DIVISION, drug effects/ *CILIA, physiology/ DEUTERIUM, pharmacodynamics/ DRUG SYNERGISM/ *REGENERATION/ REGENERATION, drug effects/ *TETRAHYMENA PYRIFORMIS, physiology

4610. **Wolff SM:** Biological effects of bacterial endotoxins in man. J Infect Dis 128:Suppl:259-64, Jul 73
ANIMAL EXPERIMENTS/ ENDOCRINE DISEASES, diagnosis/ *ENDOTOXINS/ FEVER, immunology/ GRAM NEGATIVE BACTERIA/ HEMATOLOGIC DISEASES, diagnosis/ HUMAN/ HYDROCORTISONE, blood/ IGA/ IGG/ IGM/ *LEUKOCYTES, immunology/ SOMATOTROPIN, blood

4611. **Wolff SM, Kimball HR, Marshall JR:** The effects of hydrocortisone and estrogen on experimental fever induced by etiocholanolone.
J Infect Dis 128:243-6, Aug 73
ADULT/ BODY TEMPERATURE/ ESTRADIOL, administration & dosage/ ESTRADIOL, therapeutic use/ *ESTROGENS, pharmacodynamics/ *ETIOCHOLANOLONE/ ETIOCHOLANOLONE, administration & dosage/ FEMALE/ *FEVER, chemically induced/ FEVER, drug therapy/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRADERMAL/ LEUKOCYTE COUNT/ LEUKOCYTES, analysis/ MALE

4612. **Wolff SM, Simon HB:** Granulomatous hepatitis and prolonged fever of unknown origin.
Trans Am Clin Climatol Assoc 84:149-65, 1973
ADULT/ DEXAMETHASONE, therapeutic use/ FEMALE/ *FEVER, etiology/ FEVER OF UNKNOWN ORIGIN/ GRANULOMA, complications/ GRANULOMA, diagnosis/ GRANULOMA, drug therapy/ *GRANULOMA, etiology/ GRANULOMA, pathology/ HEPATITIS, complications/ HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ *HEPATITIS, etiology/ HEPATITIS, pathology/ HODGKIN'S DISEASE, complications/ HUMAN/ ISONIAZID, therapeutic use/ LIVER, pathology/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ SKIN TESTS

4613. **Wolinsky H:** Comparative effects of castration and antiandrogen treatment on the aortas of hypertensive and normotensive male rats. Circ Res 33:183-9, Aug 73
*ANDROGENS, antagonists & inhibitors/ ANDROSTANES, therapeutic use/ ANIMAL EXPERIMENTS/ *AORTA, THORACIC, metabolism/ BLOOD PRESSURE/ BODY WEIGHT/ *CASTRATION/ COLLAGEN, metabolism/ CYPROTERONE, therapeutic use/ ELASTIN, metabolism/ *HYPERTENSION, metabolism/ HYPERTENSION, therapy/ MALE/ MUSCLE, SMOOTH, metabolism/ ORGAN WEIGHT/ PROTEINS, metabolism/ RATS

4614. **Wolsieffer JR, Stookey GK:** Effect of dietary factors on cesium 137 retention in the rat.
J Dent Res 52:844, Jul-Aug 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BONE AND BONES, metabolism/ *CESIUM ISOTOPES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS

4615. **Wong DT, Wilkinson JR, Hamill RL, et al:** Effects of antibiotic ionophore, A23187, on oxidative phosphorylation and calcium transport of liver mitochondria.
Arch Biochem Biophys 156:578-85, Jun 73
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ENZYME ACTIVATION/ FLUORESCENCE SPECTROMETRY/ GLUTAMATES, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALATES, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ NAPHTHALENES/ *OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ RATS/ SUCCINATES, metabolism/ SULFONIC ACIDS/ VALINOMYCIN, pharmacodynamics

4616. **Wood DW:** Childhood status asthmaticus revisited. A synopsis of a program for management of childhood patients. Clin Pediatr (Phila) 12:555-8, Sep 73
ANTIBIOTICS, therapeutic use/ ASTHMA, etiology/ *ASTHMA, therapy/ BICARBONATES, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ CHLORAL HYDRATE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ OXYGEN, therapeutic use/ POSITIVE-PRESSURE RESPIRATION/ WATER-ELECTROLYTE BALANCE

4617. **Wood MB, Linscheid RL:** Abductor pollicis longus bursitis. Clin Orthop 93:293-6, Jun 73
AUTOPSY/ BETAMETHASONE, therapeutic use/ BURSITIS, diagnosis/ BURSITIS, drug therapy/ BURSITIS, etiology/ *BURSITIS, pathology/ BURSITIS, surgery/ FOREARM INJURIES, complications/ HUMAN/ LIDOCAINE, therapeutic use/ MUSCLES/ *THUMB/ *WRIST

4618. **Woodhouse NJ, Tun Chot S, Bordier P, et al:** Vitamin D administration in primary hyperparathyroidism.
Clin Sci 44:3P passim, Feb 73
ADMINISTRATION, ORAL/ HUMAN/ *HYPERPARATHYROIDISM, drug therapy/ *VITAMIN D, administration & dosage/ VITAMIN D, therapeutic use

4619. **Woodruff P, Caridis D, Cuevas P, et al:** Corticosteroid treatment of major trauma. Mechanisms involved in their therapeutic effect. Arch Surg 107:613-6, Oct 73
ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL/ *BURNS, drug therapy/ CATECHOLAMINES, secretion/ DISEASE MODELS, ANIMAL/ ENDOTOXINS/ GRAM NEGATIVE BACTERIA/ IMMERSION/ LIVER EXTRACTS, therapeutic use/ MESENTERIC ARTERIES/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ RABBITS/ *SHOCK, ENDOTOXIC, drug therapy/ TIME FACTORS/ *WOUNDS AND INJURIES, drug therapy

4620. **Woodruff RI, Telfer WH:** Polarized intercellular bridges in ovarian follicles of the cecropia moth.
J Cell Biol 58:172-88, Jul 73
ANIMAL EXPERIMENTS/ ELECTRODES/ FEMALE/ FLUORESCEINS/ GRAAFIAN FOLLICLE/ HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/ *INSECTS, physiology/ MEMBRANE POTENTIALS/ METAMORPHOSIS, BIOLOGICAL/ MICROCHEMISTRY/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ NITROPHENOLS, pharmacodynamics/ OVARY, anatomy & histology/ OVARY, cytology/ OVARY, drug effects/ *OVARY, physiology/ POLAROGRAPHY/ PUPA/ RABBITS, immunology/ STAINS AND STAINING/ TEMPERATURE/ TRITIUM

4621. **Wortmann W, Biasco L, Schnabel C, et al:** Aromatization of 3H-pregnenolone sulfate in the rhesus monkey liver in vivo.
Acta Endocrinol [Suppl] (Kbh) 173:8, 1973
ANIMAL EXPERIMENTS/ *LIVER, metabolism/ MACACA/ MONKEYS/ PERFUSION/ *PREGNENOLONE, metabolism/ *SULFATES, metabolism/ TRITIUM

4622. **Wortmann W, Schnabel C, Touchstone JC:** Phonophoresis as a new method for perfusion of the ovary in vivo.
Acta Endocrinol [Suppl] (Kbh) 173:77, 1973
ANIMAL EXPERIMENTS/ ESTRONE, metabolism/ FEMALE/ METHODS/ MONKEYS/ OINTMENTS/ OVARY, blood supply/ *OVARY, metabolism/ *PERFUSION/ PERFUSION, instrumentation/ REGIONAL BLOOD FLOW/ TRITIUM/ ULTRASONICS

4623. **Wósko I, Zagórski K, Karski T, et al:** Experimentelle Untersuchungen über das physiologisch-chemische Verhalten mancher Metallarten und ihr Einfluss auf die benachbarten Gewebe.
Beitr Orthop Traumatol 20:35-9, Jan 73 (Ger)
*ALLOYS/ ANIMAL EXPERIMENTS/ BONE AND BONES/ CHILD/ CONNECTIVE TISSUE/

*CORROSION/ FEMALE/ HUMAN/ RATS/ *TITANIUM

4624. **Wowern N von:** Cherubism. Int J Oral Surg 1:240-9, 1972
ADOLESCENCE/ ADULT/ AGE FACTORS/ ALKALINE PHOSPHATASE, blood/ BIOPSY/ BONE AND BONES, radiography/ CALCIUM, blood/ CAPILLARIES, pathology/ CELL COUNT/ *CHERUBISM/ CHERUBISM, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LYMPH NODES, pathology/ MALE/ MANDIBLE, pathology/ MAXILLA, abnormalities/ MAXILLA, pathology/ *ORAL MANIFESTATIONS/ PEDIGREE/ PHOSPHORUS, blood/ RADIOGRAPHY, DENTAL/ SEX FACTORS/ TECHNOLOGY, RADIOLOGIC

4625. **Woźniak W, Werakso B, Zembrzuska E:** Badania zanieczyszczeń mikrobiologicznych polskich leków doustnych. II. Leki pediatryczne.
Acta Pol Pharm 30:339-44, 1973 (Pol)
ADMINISTRATION, ORAL/ *BACTERIA, isolation & purification/ *CALCIUM, analysis/ *CHARCOAL, analysis/ CHEMISTRY, PHARMACEUTICAL/ DRUGS, administration & dosage/ ENGLISH ABSTRACT/ *FUNGI, isolation & purification/ PEDIATRICS/ POLAND/ *VITAMIN A, analysis/ *VITAMIN D, analysis

4626. **Wright JA, Ceri H, Lewis WH:** Similar growth of Chinese hamster cells in the presence of phenethyl alcohol or dibutyryl cyclic AMP.
Nature [New Biol] 244:84-6, 18 Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ALCOHOL, ETHYL, pharmacodynamics/ BENZENE DERIVATIVES, pharmacodynamics/ BUTYRATES/ *CELL DIVISION, drug effects/ CELL LINE/ COLCHICINE, pharmacodynamics/ FEMALE/ HAMSTERS/ KINETICS/ MICROSCOPY, PHASE CONTRAST/ OVARY/ PHENOLS, pharmacodynamics

4627. **Wright JW:** Evolution of the X1X2Y sex chromosome mechanism in the scincid lizard Scincella laterale (Say). Chromosoma 43:101-8, 23 Jul 73
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ EVOLUTION/ FEMALE/ INTESTINES, cytology/ KARYOTYPING/ *LIZARDS/ MALE/ MITOSIS/ *SEX CHROMOSOMES/ SPERMATOZOA/ SPLEEN, cytology/ TESTIS, cytology/ *VARIATION (GENETICS)

4628. **Wright P, Turner C:** Sex differences in body weight following gonadectomy and goldthioglucose injections in mice. Physiol Behav 11:155-9, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, pharmacodynamics/ *BODY WEIGHT, drug effects/ CASTRATION/ FEMALE/ *GOLD, pharmacodynamics/ GONADS, drug effects/ GONADS, physiology/ HOUSING, ANIMAL/ HYPOTHALAMUS, drug effects/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ OBESITY, chemically induced/ SEX FACTORS

4629. **Wrobel J, Michalska L, Niemiro R:** The requirements of anions for transport of calcium in rat duodenum.
FEBS Lett 29:121-3, 15 Jan 73
ACETATES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BROMIDES, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CHLORIDES, pharmacodynamics/ DUODENUM, drug effects/ *DUODENUM, metabolism/ IN VITRO/ *INTESTINAL ABSORPTION, drug effects/ IODIDES, pharmacodynamics/ NITRATES, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

4630. **Wróbel S, Perkowski J:** Przypadek popromieniowej sloniowaciny prącia i moszny z uszkodzeniem ciał jamistych.
Pol Przegl Chir 45:917-9, Jun 73 (Pol)
ENGLISH ABSTRACT/ HUMAN/ *LYMPHEDEMA, etiology/ MALE/ MIDDLE AGE/ *PENILE DISEASES, etiology/ *PENIS, radiation effects/ PENIS, radiography/ *RADIATION EFFECTS/ *RADIOTHERAPY, adverse effects/ *SCROTUM/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

4631. **Wu FC, Elgin SC, Hood LE:** Nonhistone chromosomal proteins of rat tissues. A comparative study by gel electrophoresis. Biochemistry 12:2792-7, 17 Jul 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN CHEMISTRY/ *CHROMOSOMES, analysis/ ELECTROPHORESIS/ ELECTROPHORESIS, DISK/ *HISTONES/ IN VITRO/ KIDNEY, analysis/ KIDNEY, cytology/ LIVER, analysis/ LIVER, cytology/ LUNG, analysis/ LUNG, cytology/ MALE/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ *PROTEINS, analysis/ RATS/ SODIUM DODECYL SULFATE/ SPLEEN, analysis/ SPLEEN, cytology/ THYMUS GLAND, analysis/ THYMUS GLAND, cytology/ THYROID GLAND, analysis/ THYROID GLAND, cytology

4632. **Wu JT, Lau IF, Chang MC:** Effects of estriol treatment of male rats and mice on the fertility of mated females. Fertil Steril 24:687-91, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ ESTRIOL, administration & dosage/ *ESTRIOL, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ MALE/ MICE/ *NIDATION, drug effects/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ SEX BEHAVIOR, ANIMAL, drug effects/ TESTIS, drug effects/ TIME FACTORS

4633. **Wu PH, Boulton AA:** Distribution and metabolism of tryptamine in rat brain.
Can J Biochem 51:1104-12, Jul 73
ACETALDEHYDE, metabolism/ ACETIC ACIDS, metabolism/ AMINES, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CARBON ISOTOPES/ CAUDATE NUCLEUS, metabolism/ CEREBELLUM, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, metabolism/ INDOLEACETIC ACID, metabolism/ INDOLES, isolation & purification/ INDOLES, metabolism/ INJECTIONS/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PARGYLINE, pharmacodynamics/ RATS/ TRITIUM/ TRYPTAMINES, administration & dosage/ *TRYPTAMINES, metabolism

4634. **Wunderer H:** Zum Mechanismus der Reaktion von 3-Aminophenol mit Kaliumjodat.
Arch Pharm (Weinheim) 306:380-8, May 73 (Ger)
AMINES/ ANILINE COMPOUNDS/ CHEMISTRY/ ENGLISH ABSTRACT/ IODATES/ *IODINE/ OXIDATION-REDUCTION/ *PHENOLS/ POLAROGRAPHY/ POTASSIUM

4635. **Wunderer H:** Zur Synthese von Jod-3-aminophenolen.
Arch Pharm (Weinheim) 306:371-80, May 73 (Ger)
ACETATES/ AMINES/ CHEMISTRY/ ENGLISH ABSTRACT/ IODINE/ *PHENOLS, chem synthesis/ SPECTROPHOTOMETRY, INFRARED

4636. **Würgler FE, Leuthold U, Graf U, et al:** Radiosensitivity of oocytes of Drosophila. 3. Sensitivity of class-B oocytes of XX-O and X-X females.
Int J Radiat Biol 22:367-77, Oct 72
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ *DROSOPHILA MELANOGASTER, radiation effects/ FEMALE/ FERTILIZATION/ MALE/ *OVUM, radiation effects/ PREGNANCY/ *RADIATION EFFECTS/ *SEX CHROMOSOMES

4637. **Wurtman RJ:** Biogenic amines and endocrine function. Introduction: neuroendocrine transducers and monoamines. Fed Proc 32:1769-71, Jul 73
*BIOGENIC AMINES, physiology/ CALCIUM, blood/ CALCIUM, secretion/ EXTRACELLULAR SPACE/ *HORMONES, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *NEUROHUMORS, physiology/ NEUROSECRETION/ NEUROSECRETORY SYSTEMS, physiology/ OSMOLAR CONCENTRATION/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, physiology/ THIRST/ THYROID GLAND, secretion/ THYROXINE, blood

4638. **Wüstenberg B, Schulz KD:** The inhibition of hormone-dependent rat mammary cancer by clomiphene isomers.
Acta Endocrinol [Suppl] (Kbh) 173:66, 1973
ANIMAL EXPERIMENTS/ *CLOMIPHENE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, metabolism/ FEMALE/ ISOMERISM/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ TRITIUM/ UTERUS, metabolism

4639. **Wuttke W:** Effects of pentobarbital and urethane on prolactin, LH and FSH release during proestrus and early pseudopregnancy in rats.
Acta Endocrinol [Suppl] (Kbh) 173:40, 1973
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ *PENTOBARBITAL, pharmacodynamics/ PREGNANCY/ *PROLACTIN, blood/ PSEUDOPREGNANCY/ RATS/ *URETHANE, pharmacodynamics

4640. **Wuttke W, Meites J:** Effects of electrochemical stimulation of medial preoptic area on prolactin and luteinizing hormone release in old female rats.
Pfluegers Arch 341:1-6, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ESTRUS/ FEMALE/ LH, blood/ *LH, secretion/ OVULATION/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ *RATS, physiology/ *SUPERIOR COLLICULUS, physiology

4641. **Wynne JW, Block AJ:** Ambulatory care and rehabilitation in COPD. Postgrad Med 54:173-8, Sep 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ AEROSOLS, therapeutic use/ *AMBULATORY CARE/ ANTIBIOTICS, therapeutic use/ BRONCHI, secretion/ BRONCHIAL SPASM, drug therapy/ BRONCHODILATOR AGENTS, administration & dosage/ BRONCHODILATOR AGENTS, therapeutic use/ DIGITALIS GLYCOSIDES, therapeutic use/ DIURETICS, therapeutic use/ DRAINAGE/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, complications/ *LUNG DISEASES, OBSTRUCTIVE, rehabilitation/ OXYGEN INHALATION THERAPY/ PHYSICAL THERAPY/ POLYCYTHEMIA, etiology/ POSTURE/ RESPIRATORY FUNCTION TESTS/ RESPIRATORY TRACT INFECTIONS, drug therapy/ SMOKING, complications

4642. **Wyrwicka W, Clemente CD:** Acceptance of high concentration saccharin solutions by cats after hypothalamic lesions. Exp Neurol 40:367-76, Aug 73
ANIMAL EXPERIMENTS/ CATS/ ELECTRODES, IMPLANTED/ FEEDING BEHAVIOR/ FEMALE/ *FOOD PREFERENCES/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MALE/ REFLEX/ *SACCHARIN/ TASTE/ WATER DEPRIVATION

X

4643. **Xhonga FA, Van Herle A:** The influence of hyperthyroidism on dental erosions.
Oral Surg 36:349-57, Sep 73
ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ MALE/ MIDDLE AGE/ *TOOTH EROSION

Y

4644. **Yadley RA, Chrambach A:** Isohormones of human growth hormone. II. Plasmin-catalyzed transformation and increase in prolactin biological activity. Endocrinology 93:858-65, Oct 73
AMIDES, analysis/ AMIDINES, pharmacodynamics/ BENZOATES, pharmacodynamics/ BIOLOGICAL ASSAY/ BIOTRANSFORMATION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FIBRINOLYSIN, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ PIGEONS/ *PROLACTIN, analysis/ *SOMATOTROPIN, metabolism/ UREA

4645. **Yadley RA, Rodbard D, Chrambach A:** Isohormones of human growth hormone. 3. Isolation by preparative polyacrylamide gel electrophoresis and characterization. Endocrinology 93:866-73, Oct 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ IODINE ISOTOPES/ PIGEONS/ PROLACTIN, analysis/ PROLACTIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, pharmacodynamics/ TIBIA, drug effects

4646. **Yakata M, Koami E, Sakauchi N:** [Gas chromatography of steroids--methods in laboratory diagnosis]
Jap J Clin Pathol 21:599-604, Jul 73 (Jap)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, analysis/ ADULT/ AGED/ *CHROMATOGRAPHY, GAS/ CONGRESSES/ ENDOCRINE DISEASES, diagnosis/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *SEX HORMONES, analysis

4647. **Yaksh TL, Myers RD:** Hypothalamic "coding" in the unanesthetized monkey of noradrenergic sites mediating feeding and thermoregulation.
Physiol Behav 8:251-7, Feb 72
ANIMAL EXPERIMENTS/ *APPETITE REGULATION/ *BODY TEMPERATURE REGULATION/ BODY TEMPERATURE REGULATION, drug effects/ *BRAIN MAPPING/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EATING, drug effects/ FEEDING BEHAVIOR, drug effects/ HOUSING, ANIMAL/ HUNGER, drug effects/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MACACA/ MALE/ MAMMILLARY BODIES, physiology/ MICROINJECTIONS/ MONKEYS/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ *RECEPTORS, ADRENERGIC/ STEREOTAXIC TECHNICS

4648. **Yaksta-Sauerland BA, Coggeshall RE:** Neuromuscular junctions in the leech.
J Comp Neurol 151:85-99, 1 Sep 73
ACETYLCHOLINE/ ANIMAL EXPERIMENTS/ HISTOCYTOCHEMISTRY/ *LEECHES, anatomy & histology/ MICROSCOPY, ELECTRON/ *NEUROMUSCULAR JUNCTION/ NOREPINEPHRINE/ SEROTONIN/ SYNAPTIC VESICLES

4649. **Yalow RS:** Radioimmunoassay methodology: application to problems of heterogeneity of peptide hormones. Pharmacol Rev 25:161-78, Jun 73 (60 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ COMPUTERS/ CORTICOTROPIN/ CROSS REACTIONS/ ELECTROPHORESIS, STARCH GEL/ GASTROINTESTINAL HORMONES, blood/ GUINEA PIGS, immunology/ *HORMONES, blood/ HUMAN/ IMMUNE

SERUMS/ INSULIN ANTIBODIES/ IODINE ISOTOPES/ METHODS/ PARATHYROID HORMONE/ *PEPTIDES, blood/ PITUITARY HORMONES/ PROINSULIN/ *RADIOIMMUNOASSAY/ REVIEW/ SWINE/ TIME FACTORS

4650. **Yamada K:** [Systemic effects of topical corticosteroid treatment]
Jap J Dermatol [A] 82:1079-92, Nov 72 **(Jap)**
ADULT/ ELECTROLYTES, urine/ *GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ PITUITARY-ADRENAL SYSTEM, drug effects/ SKIN ABSORPTION

4651. **Yamada S:** [Urinary 6beta-hydroxycortisol. II. Urinary 6beta-hydroxycortisol in different diseases and after administration of drugs]
Folia Endocrinol Jap 49:844-64, 20 Jun 73 **(Jap)**
ADENOMA, urine/ ADENOMA, VIRILIZING, urine/ ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, urine/ ADULT/ CARCINOMA, drug therapy/ CARCINOMA, urine/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, urine/ DDD, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYDROCORTISONE, urine/ HYPERTHYROIDISM, urine/ LIVER DISEASES, urine/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ PREGNANCY/ TUBERCULOSIS, PULMONARY, urine

4652. **Yamada S:** [Urinary 6 -hydroxycortisol. I. Methods of determining urinary 6 -hydroxycortisol and its normal values]
Folia Endocrinol Jap 49:788-98, 20 May 73 **(Jap)**
ADULT/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ MALE/ METHODS/ MIDDLE AGE

4653. **Yamada S, Masuko K, Ito M, et al:** Spontaneous thyoma in Buffalo rats. Gann 64:287-91, Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ MALE/ ORGAN WEIGHT/ RATS/ *RODENT DISEASES, pathology/ THYMOMA, pathology/ *THYMOMA, veterinary/ THYMUS GLAND/ THYMUS NEOPLASMS, pathology/ *THYMUS NEOPLASMS, veterinary

4654. **Yamamoto K, DeGroot LJ:** Function of peroxidase and NADPH cytochrome C reductase during the Wolff-Chaikoff effect. Endocrinology 93:822-8, Oct 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CYTOCHROME C/ CYTOCHROME REDUCTASES, metabolism/ HYDROGEN-ION CONCENTRATION/ HYDROGEN PEROXIDE, metabolism/ IODIDES, metabolism/ *IODIDES, pharmacodynamics/ IODINE ISOTOPES/ IODOTYROSINE, metabolism/ KINETICS/ MALE/ NADP/ *OXIDOREDUCTASES, metabolism/ *PEROXIDASES, metabolism/ PROTEIN BINDING/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology/ TYROSINE, metabolism

4655. **Yamamoto M, Hara M, Kayamori Y, et al:** [Intrathoracic goiter]
Jap J Clin Radiol 18:321-8, May 73 **(Jap)**
ADULT/ AGED/ FEMALE/ *GOITER, SUBSTERNAL, radiography/ HUMAN/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ THORACIC RADIOGRAPHY/ THYROID GLAND, radiography

4656. **Yamamoto T, Cho T, Cho M, et al:** [Case of cystoma with interesting manifestations]
Jap J Clin Med 31:1116-20, May 73 **(Jap)**
ADULT/ BLOOD SEDIMENTATION/ C-REACTIVE PROTEIN, analysis/ CYSTADENOMA, blood/ *CYSTADENOMA, diagnosis/ FEMALE/ GAMMA GLOBULIN, analysis/ HUMAN/ THYMUS NEOPLASMS, blood/ *THYMUS NEOPLASMS, diagnosis

4657. **Yamashita K, Field JB:** The role of phospholipids in TSH stimulation of adenylate cyclase in thyroid plasma membranes.
Biochim Biophys Acta 304:686-92, 28 May 73
ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CEPHALINS, pharmacodynamics/ DETERGENTS, pharmacodynamics/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ LECITHINS, pharmacodynamics/ PHOSPHOLIPASE, pharmacodynamics/ *PHOSPHOLIPIDS, physiology/ RECEPTORS, HORMONE/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology/ *THYROTROPIN, pharmacodynamics/ TRITIUM

4658. **Yamashita K, Shimizu T, Mieno M, et al:** The susceptibility of the hypothalamic-pituitary-adrenocortical axis to histamine after head x-irradiation.
Tohoku J Exp Med 110:161-6, Jun 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ DOGS/ *HEAD, radiation effects/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, radiation effects/ INJECTIONS, INTRAVENOUS/ MALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, radiation effects/ *RADIATION EFFECTS

4659. **Yamauchi K, Hirooka Y, Imai S, et al:** [Determination of thyroxine in the blood with Thyopac-4 kit]
Clin Endocrinol (Tokyo) 21:657-62, Jun 73 **(Jap)**
FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ IODINE ISOTOPES/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

4660. **Yanagizawa N, Shoji S, Tsukagoshi H, et al:** [Massive prednisolone administration in myasthenia gravis--electrophysiological examination]
Jap J Clin Med 31:321-6, Feb 73 **(Jap)**
ADMINISTRATION, ORAL/ ADULT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, physiopathology/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use

4661. **Yanai R, Nagasawa H, Nobunaga T, et al:** Synthesis and release of prolactin in vitro from the anterior pituitary of mouse during estrous cycle.
Endocrinol Jap 20:73-5, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRUS/ FEMALE/ IN VITRO/ LEUCINE/ MICE/ *PITUITARY GLAND, secretion/ PROLACTIN, biosynthesis/ *PROLACTIN, secretion

4662. **Yanai R, Nagasawa H:** Enhancement by human placental lactogen of mammary hyperplastic nodules in ovariectomized mice. Cancer Res 33:1642-4, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ HUMAN/ *HYPERPLASIA, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MICE/ OVARY/ *PLACENTAL LACTOGEN/ *PRECANCEROUS CONDITIONS, chemically induced

4663. **Yanaihara N:** [Structure and function of releasing factors]
Clin Endocrinol (Tokyo) 21:353-8, Apr 73 **(Jap)**
AMINO ACID SEQUENCE/ LH, secretion/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE

THYROTROPIN RELEASING FACTOR

4664. **Yanase M:** [A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. 1. Changes in brain activity and several functions of the body under the repeated immobilization stress]
J Physiol Soc Jap 35:109-24, Mar 73 **(Jap)**
ADAPTATION, PHYSIOLOGICAL/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BODY TEMPERATURE/ *BRAIN, physiology/ CARBON ISOTOPES/ DRINKING BEHAVIOR/ ENGLISH ABSTRACT/ FEEDING BEHAVIOR/ FEMALE/ GLUCOSE TOLERANCE TEST/ HEART RATE, drug effects/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *IMMOBILIZATION/ LIVER, metabolism/ MESENCEPHALON, physiology/ METHACHOLINE COMPOUNDS, pharmacodynamics/ RABBITS/ THALAMIC NUCLEI, physiology/ URINE/ WATER

4665. **Yanaura S, Abe Y:** [Pharmacological studies on the effect of drugs on the hypothalamus. 3. Effects on emotional behavior of rabbits caused by electrical stimulation of the hypothalamus]
Folia Pharmacol Jap 69:213-27, Jan 73 **(Jap)**
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BENZAZEPINES, pharmacodynamics/ CHLORDIAZEPOXIDE, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ ELECTRIC STIMULATION/ *EMOTIONS, drug effects/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ MALE/ NITRAZEPAM, pharmacodynamics/ RABBITS

4666. **Yang HF:** I-131 treatment of hyperthyroidism. Analysis of 369 cases treated with an initial dose of 15 MC or less. Nagoya J Med Sci 34:267-81, Mar 72
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE

4667. **Yang HF:** I-131 treatment for toxic diffuse goiter. Analysis of 1056 cured cases.
Nagoya J Med Sci 34:283-96, Mar 72
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE

4668. **Yang HS, Waibel PE, Brenes J:** Evaluation of vitamin D supplements by biological assay using the turkey.
J Nutr 103:1187-94, Aug 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BIOLOGICAL ASSAY/ BODY WEIGHT/ BONE AND BONES, anatomy & histology/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE DEVELOPMENT, drug effects/ CHOLECALCIFEROL, administration & dosage/ CHOLECALCIFEROL, analysis/ CHOLECALCIFEROL, pharmacodynamics/ *CHOLECALCIFEROL, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ FEMUR, metabolism/ HINDLIMB/ MALE/ MINERALS, metabolism/ PHOSPHORUS, blood/ *TURKEYS, metabolism/ *VITAMIN D DEFICIENCY, drug therapy

4669. **Yang RS, Wilkinson CF:** Enzymic sulphation of p-nitrophenol and steroids by larval gut tissues of the southern armyworm (Prodenia evidania Cramer).
Biochem J 130:487-93, Nov 72
ADENOSINE TRIPHOSPHATE/ CHOLESTEROL, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ ECDYSONE, metabolism/ ESTRONE, metabolism/ GLUTATHIONE/ HYDROGEN-ION CONCENTRATION/ *INSECTS, enzymology/ *INTESTINES, microbiology/ *NITROPHENOLS, metabolism/ PRESERVATION, BIOLOGICAL/ SITOSTEROLS, metabolism/ *STEROIDS, SULFATES, metabolism/ *SULFURTRANSFERASES, metabolism/ TEMPERATURE

4670. **Yang WH, Papkoff H:** Effect of desialylation on ovulation-inducing acitivity of ovine interstitial cell-stimulating hormone, ovine follicle-stimulating hormone, pregnant mare's serum gonadotropin, and human chorionic gonadotropin in the hamster.
Fertil Steril 24:633-9, Aug 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ FSH, administration & dosage/ *FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ HAMSTERS/ HYPOPHYSECTOMY/ INJECTIONS, INTRAPERITONEAL/ LH, administration & dosage/ *LH, pharmacodynamics/ *NEURAMINIC ACIDS/ NEURAMINIDASE, pharmacodynamics/ NEUTRALIZATION TESTS/ *OVULATION, drug effects/ RABBITS/ SHEEP

4671. **Yano I, Masuda Y, Nishino H, et al:** Studies on the physical dependence liability of analgesics. 4. Electron microscopic study on intramitochondria structure of zona fasciculata cells in adrenal cortex in codeine addicted rats.
Jap J Pharmacol 23:313-9, Jun 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *CODEINE/ *DRUG ADDICTION, pathology/ DRUG WITHDRAWAL SYMPTOMS, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RATS

4672. **Yano Y, Chu P, Anger HO:** Tin-117m: production chemistry and evaluation as a bone-scanning agent
Int J Appl Radiat Isot 24:319-25, Jun 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CITRATES/ DOGS/ EDTA/ HALF-LIFE/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ RATS/ SPLEEN, metabolism/ TARTRATES/ THYMUS GLAND, metabolism/ *TIN/ TIN, blood/ TIN, metabolism/ TIN, toxicity

4673. **Yasin R, Hughes BP, Parker JA:** The effect of vincristine on the calcium transport and phospholipid composition of rat skeletal muscle microsomes
Lab Invest 29:207-15, Aug 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CALCIUM, metabolism/ CARDIOLIPINS, analysis/ CEPHALINS, analysis/ ETHANOLAMINES, analysis/ HINDLIMB, cytology/ LECITHINS, analysis/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES, analysis/ MICROSOMES, drug effects/ *MICROSOMES, metabolism/ MUSCLES, analysis/ MUSCLES, cytology/ PHOSPHOINOSITIDES, analysis/ *PHOSPHOLIPIDS, analysis/ RATS/ SPHINGOMYELINS, analysis/ VINCRISTINE, administration & dosage/ *VINCRISTINE, pharmacodynamics

4674. **Yasuda Y:** [The roles of cholinergic neurons and adrenergic neurons in conditioned avoidance behavior of rats]
J Physiol Soc Jap 35:229-41, May 73 **(Jap)**
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHLORIDES, pharmacodynamics/ *CONDITIONING (PSYCHOLOGY)/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *ESCAPE REACTION/ FEMALE/ HIPPOCAMPUS, drug effects/ HYPOTHALAMUS, drug effects/ MAGNESIUM pharmacodynamics/ MALE/ MESENCEPHALON drug effects/ *NEURONS, physiology/ NOREPINEPHRINE, pharmacodynamics/

*PARASYMPATHETIC NERVOUS SYSTEM, physiology/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ THALAMUS, drug effects

4675. **Yata J, Tsukimoto I, Arimoto T, et al:** Human thymus lymphoid tissue (HTL) antigen, complement receptor and rosette formation with sheep erythrocytes of the lymphocytes from primary immunodeficiency diseases. Clin Exp Immunol 14:309-17, Jul 73
ADOLESCENCE/ AGAMMAGLOBULINEMIA, familial & genetic/ AGAMMAGLOBULINEMIA, immunology/ *ANTIGENS/ ATAXIA TELANGIECTASIA, immunology/ CHILD/ COMPLEMENT FIXATION TESTS/ *ERYTHROCYTES, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GENES/ HUMAN/ IGA/ IMMUNE ADHERENCE REACTION/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ INFANT/ *LYMPHOCYTES, immunology/ LYMPHOID TISSUE, immunology/ MALE/ SEX CHROMOSOMES/ SHEEP, immunology/ *THYMUS GLAND, immunology

4676. **Ylikorkala O, Haapalahti J, Järvinen PA:** The effect of posture on serum human placental lactogen (HPL) levels in normal and complicated late pregnancy. J Obstet Gynaecol Br Commonw 80:546-7, Jun 73
FEMALE/ HUMAN/ HYPERTENSION, blood/ LIVER DISEASES, blood/ *PLACENTAL LACTOGEN, blood/ *POSTURE/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS, blood/ RADIOIMMUNOASSAY/ TWINS

4677. **Yokomi Y:** [Blood serotonin levels in patients with vertigo] J Otolaryngol Jap 76:760-72, 20 Jun 73 **(Jap)**
HUMAN/ *SEROTONIN, blood/ *VERTIGO, blood/ VESTIBULAR FUNCTION TESTS

4678. **Yokota T:** [Cyclic AMP--a metabolic regulator of life ranging from bacteria to higher animals] Jap J Bacteriol 27:679-95, Nov 72 (100 ref.) **(Jap)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BACTERIA, metabolism/ CELL DIVISION/ CHROMOSOMES/ ENZYME INDUCTION/ ESCHERICHIA COLI, enzymology/ HORMONES, physiology/ HUMAN/ MAMMALS, metabolism/ MUTATION/ REVIEW/ VIBRIO, enzymology

4679. **Yokoyama M:** Pituitary ACTH and GH content associated with the loss of acidophils following thyroidectomy. Endocrinol Jap 19:533-41, Dec 72
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, secretion/ DEXAMETHASONE, pharmacodynamics/ MALE/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ *SOMATOTROPIN, secretion/ *THYROID GLAND, physiology/ THYROIDECTOMY

4680. **Yoshida T, Den K, Yamachi M, et al:** [Radioimmunoassay of sex steroid hormones. I. Radioimmunoassay of estrogens using estrone-17-oxime BSA antibody]
Clin Endocrinol (Tokyo) 21:541-8, May 73 **(Jap)**
ANIMAL EXPERIMENTS/ ANTIBODIES/ *ESTROGENS, analysis/ ESTRONE/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

4681. **Yoshida T, Den N, Ozake H, et al:** [Radioimmunoassay of gonadal steroid hormones. 2. Radioimmunoassay of estradiol]
Clin Endocrinol (Tokyo) 21:651-6, Jun 73 **(Jap)**
*ESTRADIOL, blood/ HUMAN/ MALE/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

4682. **Yoshida T, Kikuchi G:** Majors pathways of serine and glycine catabolism in various organs of the rat and cock. J Biochem (Tokyo) 73:1013-22, May 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CHICKENS/ *GLYCINE, metabolism/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ METHYLTRANSFERASES, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ OXIDOREDUCTASES, metabolism/ RATS/ *SERINE, metabolism/ SERINE DEHYDRATASE, metabolism/ SPLEEN, metabolism/ TESTIS, metabolism

4683. **Yoshimura F:** [Incubation of gamma-cells, mother cells of the pituitary anterior lobe: with special reference to transformation of alpha-cells with addition of CRF and synthesis of ACTH]
Clin Endocrinol (Tokyo) 21:447-52, May 73 (12 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ CELL DIVISION/ CELL SEPARATION/ CELLS, CULTURED/ CLONE CELLS/ *CORTICOTROPIN, biosynthesis/ *CORTICOTROPIN RELEASING FACTOR, pharmacodynamics/ CULTURE MEDIA/ *PITUITARY GLAND, cytology/ REVIEW

4684. **Yoshimura F, Harumiya K, Yachi H, et al:** Degranulated acidophils as a possible original source of "thyroidectomy cells" in the rat hypophysis. Endocrinol Jap 20:181-98, Apr 73
AEROBIOSIS/ ANIMAL EXPERIMENTS/ BASOPHILS/ CYTOPLASMIC GRANULES/ GOLGI APPARATUS/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ RATS/ THYROID GLAND, cytology/ *THYROIDECTOMY

4685. **Yoshimura M, Ochi Y, Miyazaki T, et al:** Effect of L-5-HTP on the release of growth hormone, TSH and insulin. Endocrinol Jap 20:135-41, Apr 73
ADRENOGENITAL SYNDROME, metabolism/ ADULT/ ANTIGENS/ FEMALE/ HUMAN/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPERTHYROIDISM, metabolism/ HYPOPITUITARISM, metabolism/ HYPOTHYROIDISM, metabolism/ *INSULIN, secretion/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, secretion/ *THYROTROPIN, secretion

4686. **Yoshimura M, Ochi Y, Miyazaki T, et al:** Effect of intravenous and oral administration of L-dopa on HGH and TSH release. Endocrinol Jap 19:543-8, Dec 72
ADMINISTRATION, ORAL/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ *DOPA, administration & dosage/ DWARFISM, blood/ DWARFISM, PITUITARY, blood/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INJECTIONS, INTRAVENOUS/ ISOMERISM/ MALE/ *SOMATOTROPIN, blood/ *THYROTROPIN, blood

4687. **Yoshimura S, Shishiba Y, Shimizu T:** Evidence for stimulation of thyroidal secretion by iodoaminoacids or iodide. Endocrinol Jap 20:217-9, Apr 73
ANIMAL EXPERIMENTS/ DIIODOTYROSINE, pharmacodynamics/ *IODIDES, pharmacodynamics/ IODINE ISOTOPES/ IODOTYROSINE, pharmacodynamics/ MICE/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ *THYROID GLAND, secretion/ *THYROID HORMONES, pharmacodynamics/ THYRONINE, secretion/ THYROXINE, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

4688. **Yoshioka I, Katsuta S:** [Clinical study of gynecomastia--an etiological study]
Clin Endocrinol (Tokyo) 21:427-30, Apr 73 **(Jap)**
ADDISON'S DISEASE, complications/ ADULT/ AGED/ *GYNECOMASTIA, etiology/ HUMAN/ LIVER DISEASES, complications/ MALE/ METABOLIC DISEASES, complications/ MIDDLE AGE

4689. **Yotsuyanagi T, Higuchi WI:** A two phase series model for the transport of steroids across the fully hydrated

stratum corneum.
J Pharm Pharmacol 24:934-41, Dec 72
ALKANES, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BIOPHYSICS/ CAPROATES, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ KINETICS/ *MODELS, BIOLOGICAL/ *SKIN, metabolism/ STEROIDS, metabolism

4690. **Young HB:** Environmental influences upon time of arrival at puberty. RI Med J 56:265-73 passim, Jul 73
ADOLESCENCE/ AGE FACTORS/ BODY CONSTITUTION/ *ENVIRONMENT/ FEMALE/ GROWTH DISORDERS/ HUMAN/ MALE/ *PUBERTY/ SEX FACTORS/ SOCIOECONOMIC FACTORS/ TIME FACTORS

4691. **Young JR:** Thrombophlebitis and chronic venous insufficiency. Geriatrics 28:63-9, Sep 73
AGED/ BLOOD COAGULATION DISORDERS, complications/ CHRONIC DISEASE/ CONTRACEPTIVES, ORAL, adverse effects/ ENDOTHELIUM/ FEMALE/ FIBRINOGEN/ GANGRENE, complications/ HUMAN/ IODINE ISOTOPES/ MALE/ PALPATION/ PHLEBOGRAPHY/ PULMONARY EMBOLISM, complications/ SUDECK'S ATROPHY, complications/ THROMBOPHLEBITIS, complications/ *THROMBOPHLEBITIS, diagnosis/ THROMBOPHLEBITIS, etiology/ THROMBOPHLEBITIS, pathology/ THROMBOPHLEBITIS, prevention & control/ THROMBOPHLEBITIS, therapy/ VENOUS INSUFFICIENCY, complications/ *VENOUS INSUFFICIENCY, diagnosis/ VENOUS INSUFFICIENCY, etiology/ WOUNDS AND INJURIES, complications

4692. **YoungLai EV:** Effects of immunizing turkeys with ovine luteinizing hormone.
Steroids Lipids Res 4:6-10, 1973
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CROSS REACTIONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, pharmacodynamics/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, pharmacodynamics/ MALE/ PROLACTIN, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ SHEEP/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ THYROTROPIN, pharmacodynamics/ TIME FACTORS/ *TURKEYS, immunology

4693. **YoungLai EV:** The bioconversion of androstenedione and testosterone by rabbit granulosa cells and the effect of ovine LH on thecal aromatization.
Steroids Lipids Res 4:11-6, 1973
*ANDROGENS, metabolism/ ANDROSTENEDIONE, biosynthesis/ ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELLS, CULTURED/ CHROMATOGRAPHY, PAPER/ CRYSTALLIZATION/ ESTRADIOL, biosynthesis/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, metabolism/ *17-KETOSTEROIDS, metabolism/ *LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ RABBITS/ SHEEP/ TESTOSTERONE, biosynthesis/ *TESTOSTERONE, metabolism/ TRITIUM

4694. **Youngiai EV, Lin CC:** Fetal androgen and human chorionic gonadotropin excretion in relation to genetic sex. Am J Obstet Gynecol 117:291-2, 15 Sep 73
ABORTION, THERAPEUTIC/ *AMNIOTIC FLUID, analysis/ FEMALE/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ MALE/ PREGNANCY/ *SEX DETERMINATION/ *TESTOSTERONE, analysis

4695. **Younoszai MK, Urban E, Schedl HP:** Vitamin D and intestinal calcium fluxes in vivo in the rat.
Am J Physiol 225:287-92, Aug 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, secretion/ CALCIUM ISOTOPES/ DUODENUM, drug effects/ DUODENUM, secretion/ ILEUM, drug effects/ ILEUM, secretion/ *INTESTINAL ABSORPTION, drug effects/ MALE/ RATS/ *VITAMIN D, pharmacodynamics

4696. **Youssefnejadian E, Collins WP, Sommerville I:** Radioimmunoassay of plasma androsterone.
Steroids 22:63-72, Jul 73
*ANDROSTERONE, blood/ ANTIGENS/ BINDING SITES, ANTIBODY/ COMPUTERS, DIGITAL/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ OXIMES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

4697. **Yu FL, Feigelson P:** A proposed model for th glucocorticoidal regulation of rat hepatic ribosom RNA synthesis.
Biochem Biophys Res Commun 53:754-60, 6 Aug
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEOLUS, enzymology/ CELL NUCLEUS, enzymology/ *CORTISONE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MODELS, BIOLOGICAL/ MUSHROOMS/ MYCOTOXINS, pharmacodynamics/ OLIGOPEPTIDES, pharmacodynamics/ PEPTIDES, CYCLIC, pharmacodynamics/ RATS/ RIBOSOMES, drug effects/ RIBOSOMES, enzymology/ *RIBOSOMES, metabolism/ RNA POLYMERASE, metabolism/ *RNA, RIBOSOMAL, biosynthesis/ TRANSCRIPTION, GENETIC, drug effects

4698. **Yu MY, Sedlak J, Lindsay RH:** Relative antithyroi effects of 2-thiouracil, 2-thiouridine and 2-thio-UMI
Proc Soc Exp Biol Med 143:672-6, Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ DOGS/ GOATS/ GUINEA PIGS/ IODINE ISOTOPES/ MALE/ PENTOSYLTRANSFERASES, metabolism/ PEROXIDASES, metabolism/ PHOSPHOTRANSFERASES, metabolism/ RATS/ SHEEP/ SWINE/ THIOURACIL, metabolism/ *THIOURACIL, pharmacodynamics/ THIOURIDINE, metabolism/ THIOURIDINE, pharmacodynamics/ THYMIDINE/ *THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *URACIL NUCLEOTIDES, pharmacodynamics/ URIDINE/ *URIDINE, pharmacodynamics

4699. **Yu SC, Burke G:** Antigenic activity of prostaglandins specificities of prostaglandins E1, A1 and F2alpha antigen-antibody reactions.
Prostaglandins 2:11-22, Jul 72
ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ BINDING SITES, ANTIBODY/ CARBODIIMIDES/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEPRESSION, CHEMICAL/ GOATS, immunology/ IMMUNE SERUMS/ *PROSTAGLANDINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TRITIUM

4700. **Yusa T, Hashimoto Y, Shima T, et al:** [Droperidol and pheochromocytoma]
Jap J Anesthesiol 22:474-9, May 73 (Jap)
ADULT/ *ANESTHESIA, INTRAVENOUS/ DROPERIDOL/ DROPERIDOL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ MALE/ NEUROLEPTOANALGESIA/ *PHEOCHROMOCYTOMA, surgery

Z

4701. **Zachmann M, Prader A:** Leczenie karłowatości przysadkowej ludzkim hormonem wzrostu.
Pediatr Pol 48:817-24, Jul 73 (Pol)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, PITUITARY, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INJECTIONS, INTRAMUSCULAR/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, therapeutic use

4702. **Zaffiri O, Centi R, Pertoldi S, et al:** Il Pavulon (bromuro di pancuronio) nuovo miorilassante non depolarizzante.
Minerva Anestesiol 39:301-4, Jun 73 (Ita)
ADULT/ *ANDROSTANES, pharmacodynamics/ CARDIOVASCULAR SYSTEM, drug effects/ CLINICAL RESEARCH/ *CURARE-LIKE AGENTS, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ MIDDLE AGE/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ RESPIRATORY SYSTEM, drug effects

4703. **Zager RF, Frisby SA, Oliverio VT:** The effects of antibiotics and cancer chemotherapeutic agents on the cellular transport and antitumor activity of methotrexate in L1210 murine leukemia.
Cancer Res 33:1670-6, Jul 73
ANIMAL EXPERIMENTS/ *ANTIBIOTICS, ANTINEOPLASTIC, pharmacodynamics/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ ASPARAGINASE, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ BLEOMYCIN, pharmacodynamics/ CELLS, CULTURED/ CEPHALOTHIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ HYDROXYUREA, pharmacodynamics/ KANAMYCIN, pharmacodynamics/ *LEUKEMIA L1210/ LEUKEMIA L1210, drug therapy/ LEUKEMIA L1210, metabolism/ *METHOTREXATE/ METHOTREXATE, metabolism/ METHOTREXATE, therapeutic use/ MICE/ PENICILLIN, pharmacodynamics/ VINBLASTINE, pharmacodynamics/ VINCA ALKALOIDS, pharmacodynamics/ VINCRISTINE, pharmacodynamics

4704. **Zahavi J, Dreyfuss F, Kalef M, et al:** Adenosine diphosphate-induced platelet aggregation in healthy women with and without a combined and sequential contraceptive pill.
Am J Obstet Gynecol 117:107-13, 1 Sep 73
*ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADULT/ BLOOD COAGULATION TESTS/ BLOOD SEDIMENTATION/ CHLORMADINONE, pharmacodynamics/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FIBRINOGEN/ HUMAN/ MALE/ MENSTRUATION/ MESTRANOL, pharmacodynamics/ MIDDLE AGE/ OVULATION/ *PLATELET ADHESIVENESS, drug effects/ STATISTICS/ URIC ACID, blood

4705. **Zaitseva NS, Muravieva TV, Vinogradova VL, et al:** The dynamics of virological and serological indices in primary herpetic keratitis in rabbits treated with antiviral drugs. Acta Virol (Praha) 17:220-6, May 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIVIRAL AGENTS, therapeutic use/ CONJUNCTIVA, immunology/ CONJUNCTIVA, microbiology/ DISEASE MODELS, ANIMAL/ FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN, therapeutic use/ HERPESVIRUS HOMINIS, immunology/ HERPESVIRUS HOMINIS, isolation & purification/ INTERFERON INDUCERS, therapeutic use/ *KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, immunology/ KERATITIS, DENDRITIC, microbiology/ KERATITIS, DENDRITIC, prevention & control/ LIPOPOLYSACCHARIDES, therapeutic use/ NEUTRALIZATION TESTS/ PLACEBOS/ POLY A-U, therapeutic use/ POLYSACCHARIDES, BACTERIAL, therapeutic use/ PREDNISOLONE, therapeutic use/ RABBITS/ SALMONELLA TYPHOSA/ SEMLIKI FOREST VIRUS

4706. **Zakarija M, McKenzie JM:** Effect of thyrotropin and of LATS on mouse thyroid cyclic AMP.
Metabolism 22:1185-91, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BUFFERS/ FEMALE/ HYDROLYSIS/ IGG/ LONG-ACTING THYROID STIMULATOR, administration & dosage/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MICE/ RADIOIMMUNOASSAY/ THEOPHYLLINE, pharmacodynamics/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS

4707. **Zakut H, Insler V, Lunenfeld B, et al:** [Gonadotropic therapy after failure of clomiphen]
Harefuah 84:470-3, 1 May 73 (Heb)
*CLOMIPHENE, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, therapeutic use/ HUMAN/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

4708. **Zalikin GA, Moskalev IuI, Liubimova-Gerasimova RM, et al:** Raspredelenie i biologicheskoe deistvie kalifornlia-252.
Radiobiologlia 12:894-7, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ BLOOD, radiation effects/ BONE AND BONES, analysis/ *CALIFORNIUM, analysis/ CALIFORNIUM, blood/ ENGLISH ABSTRACT/ INJECTIONS, INTRAVENOUS/ KIDNEY, analysis/ LETHAL DOSE 50/ LIVER, analysis/ RADIATION EFFECTS/ RATS/ TIME FACTORS

4709. **Zalin R:** Creatine kinase activity in cultures of differentiating myoblasts. Biochem J 130:79P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL DIFFERENTIATION/ CELL FUSION/ CHICK EMBRYO/ *CREATINE KINASE, metabolism/ ISOENZYMES, metabolism/ *MUSCLES, embryology/ MUSCLES, enzymology/ TISSUE CULTURE

4710. **Zamboni P, Siro-Brigiani G, D'Elia V:** Potenziamento della contrazione del muscolo cardiaco prodotto da stimoli non seguiti da contrazione.
Arch Sci Biol (Bologna) 56:41-9, Jan-Mar 73 (Ita)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HEART, physiology/ *MEMBRANE POTENTIALS, drug effects/ MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics

4711. **Zamelio J:** Perspektywy leczenia zaśniadu groniastego i nabłoniaka kosmòwkowego.
Ginekol Pol 44:807-9, Jul 73 (Pol)
ANTINEOPLASTIC AGENTS, therapeutic use/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, therapy/ INFANT, NEWBORN/ PREGNANCY/ TROPHOBLASTIC TUMOR, drug therapy/ *TROPHOBLASTIC TUMOR, therapy

4712. **Zamrazil V, Němec J:** Výskyt snížené glukosové tolerance při porušené činnosti štítné žlázy.
Vnitr Lek 19:634-41, Jul 73 (Cze)
ADULT/ AGED/ ENGLISH ABSTRACT/ *GLUCOSE TOLERANCE TEST/ HUMAN/ MIDDLE AGE/ PREDIABETIC STATE, diagnosis/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, metabolism/ TRIAMCINOLONE

4713. **Zanella J Jr, Rall TW:** Evaluation of electrical pulses and elevated levels of potassium ions as stimulants of adenosine 3', 5'-monophosphate (cyclic AMP) accumulation in guinea-pig brain.
J Pharmacol Exp Ther 186:241-52, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ CEREBELLUM, drug effects/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ DIPHENHYDRAMINE, pharmacodynamics/

ELECTRIC STIMULATION/ ELECTRODES/ GUINEA PIGS/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *POTASSIUM, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RESERPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ XANTHENES, pharmacodynamics

4714. **Zanelli G, Ferrero S, Zinicola N:** Modificazioni pletismografiche in corso di dumping syndrome, prima e dopo trattamento antiserotoninico.
Minerva Chir 28:1122-6, Aug 73 **(Ita)**
*BLOOD FLOW VELOCITY/ CYPROHEPTADINE, therapeutic use/ DUMPING SYNDROME, drug therapy/ *DUMPING SYNDROME, physiopathology/ ENGLISH ABSTRACT/ GASTRECTOMY/ HISTAMINE LIBERATION/ HUMAN/ PEPTIC ULCER, surgery/ PLETHYSMOGRAPHY, IMPEDANCE/ *SEROTONIN, antagonists & inhibitors/ *VASOMOTOR SYSTEM, physiopathology

4715. **Zanelli JM, Atkins D, Peacock M:** Effect of cysteine on the biological and immunological activity of human and bovine parathyroid hormone.
J Endocrinol 58:1-10, Jul 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CALCIUM, secretion/ CATTLE/ *CYSTEINE/ HUMAN/ HYDROGEN PEROXIDE/ IODINE ISOTOPES/ MICE/ ORGAN CULTURE/ OXIDATION-REDUCTION/ *PARATHYROID HORMONE/ PARATHYROID HORMONE, antagonists & inhibitors/ RADIOIMMUNOASSAY/ SKULL/ TISSUE CULTURE

4716. **Zappella M, Boscherini B:** Considérations à propos de sept cas de gigantisme cérébral (syndrome de de Sotos. Pediatrie 28:419-28, Jun 73 **(Fre)**
*ABNORMALITIES, MULTIPLE/ *ACROMEGALY/ ADULT/ *BRAIN DISEASES/ CARBOHYDRATES, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GIGANTISM/ HUMAN/ INFANT/ MALE/ MENTAL RETARDATION/ SOMATOTROPIN, analysis

4717. **Zárate A, Canales ES, Soria J, et al:** Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion.
Am J Obstet Gynecol 116:1121-3, 15 Aug 73
ADULT/ *FSH, blood/ FSH, secretion/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LH, administration & dosage/ *LH, pharmacodynamics/ MALE/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS/ *PREGNANCY/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ TIME FACTORS

4718. **Zárate A, Canales ES, Goldzieher JW, et al:** Mecanismo de acción de la resección cuneiforme de ovarios en un paciente con sindrome de Stein-Leventhal: efecto sobre la secreción de gonadotropinas.
Rev Invest Clin 25:175-80, Apr-Jun 73 **(Spa)**
ADULT/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MENSTRUATION/ *OVARY, physiopathology/ OVULATION/ PREGNANEDIOL, urine/ *STEIN-LEVENTHAL SYNDROME, physiopathology/ STEIN-LEVENTHAL SYNDROME, surgery

4719. **Zebrowski EJ:** Effect of castration and androgen supplementation on sialic acid levels in rat submandibular gland. Arch Oral Biol 18:567-70, Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CASTRATION/ MALE/ *NEURAMINIC ACIDS, metabolism/ ORGAN WEIGHT/ PROSTATE, drug effects/ PROTEINS, metabolism/ RATS/ SUBMANDIBULAR GLAND, drug effects/ *SUBMANDIBULAR GLAND, metabolism/ *TESTOSTERONE, pharmacodynamics

4720. **Zech K, Gupta D, Voelter W:** Synthesis of a decapept with the biological activity of porcine LH releas hormone. Acta Endocrinol [Suppl] (Kbh) 173:80, 1
GEL FILTRATION/ *LH, metabolism/ *PEPTIDES, chem synthesis/ PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY/ SWINE

4721. **Zeliger Y, Volcani R, Sklan D:** Yield and prot composition in cows milked prepartum.
J Dairy Sci 56:869-72, Jul 73
ANIMAL EXPERIMENTS/ CASEIN, analysis/ *CATTLE, metabolism/ CATTLE, physiology/ FEMALE/ IMMUNOGLOBULINS, analysis/ LACTALBUMIN, analysis/ *LACTATION/ LACTOGLOBULINS, analysis/ MILK, secretio *MILK PROTEINS, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL

4722. **Zeller FJ:** The effects of testosterone, dihydrotestosterone and oestradiol on the comb a oviduct of the female domestic fowl.
J Reprod Fertil 34:147-8, Jul 73
ANIMAL EXPERIMENTS/ CHICKENS/ *COM AND WATTLES, drug effects/ DRUG SYNERGISM/ *ESTRADIOL, pharmacodynamics/ FEMALE/ ORGAN WEIGHT/ *OVIDUCTS, drug effects/ *STANOLONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics

4723. **Zeller J:** Zur Cytochemie der Lysosomen in d Rattenniere unter normalen und experimentell Bedingungen.
Histochemie 35:235-62, 30 May 73 **(Ge**
*ACID PHOSPHATASE, analysis/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ EMBRYO/ ENGLISH ABSTRACT/ ESTRADIO pharmacodynamics/ FEMALE/ *GLUCURONIDASE, analysis/ HISTOCYTOCHEMISTRY/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, enzymology KIDNEY MEDULLA, enzymology/ *LYSOSOMES, enzymology/ MALE/ NEPHRONS, enzymology/ PREGNANCY/ PUERPERIUM/ RATS/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics

4724. **Zenzerov VS, Dedov II:** Raxvitie tsitovidnoi zhelezy ontogeneze krys.
Izv Akad Nauk SSSR [Biol] 3:400-8, May-Jun 73 **(Rus**
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MICROSCOPY, ELECTRON/ PROTEIN-BOUND IODINE TEST RATS/ THYROID GLAND, blood supply/ THYROID GLAND, cytology/ *THYROID GLAND, embryology/ THYROID GLAND, growth & development

4725. **Zharov EI KERTSMAN GI, Kazeev KN:** Narusheni gemodinamiki u bol'nykh s feokhromotsitomoĭ.
Kardiologiia 13:56-61, 1973 **(Rus**
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, physiopathology/ ADULT/ BLOOD PRESSURE/ BLOOD VOLUME/ ENGLISH ABSTRACT/ EPINEPHRINE, secretion/ EPINEPHRINE, urine/ *HEMODYNAMICS/ HUMAN/ MIDDLE AGE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, physiology/ NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, metabolism/ *PHEOCHROMOCYTOMA, physiopathology/ PHEOCHROMOCYTOMA, surgery/ PULMONARY CIRCULATION/ VASCULAR RESISTANCE, drug effects

4726. **Zhikhareva AI, Dokshina GA:** Vliianie izlucheni betatrona 25 Mev na aktivnost' nekotorykh fermento pecheni i kortikoadrenalovoi sistemy u krys.
Radiobiologiia 12:816-8, Nov-Dec 72 **(Rus**
*ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GLUCONEOGENESIS, radiation effects/

GLUCOSEPHOSPHATASE, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HEXOKINASE, analysis/ *LIVER, enzymology/ LIVER, radiation effects/ *RADIATION EFFECTS/ RATS/ TIME FACTORS

4727. **Zieger G, Lux B, Kubatsch B:** Sex differences in the adrenal cortex of the hamster. Microscopic and histometric studies.
Acta Endocrinol [Suppl] (Kbh) 173:26, 1973
*ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ FEMALE/ HAMSTERS/ MALE/ ORGAN WEIGHT/ SEX FACTORS

4728. **Zielke E:** Untersuchungen zur Vererbung der Empfänglichkeit gegenüber der Hundefilar ie Dirofilaria immitis bei Culex pipiens fatigans und Aedes aegypti.
Z Tropenmed Parasitol 24:36-44, Mar 73 (Ger)
*AEDES/ ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ CROSSES, GENETIC/ *CULEX/ *DIROFILARIASIS/ DISEASE MODELS, ANIMAL/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ *FILARIOIDEA/ GENES, DOMINANT/ GENES, RECESSIVE/ INSECT VECTORS/ SEX CHROMOSOMES

4729. **Zink HA, Podos SM, Becker B:** Inhibition by imidazole of the increase in intraocular pressure induced by topical pro-taglandin E.
Nature [New Biol] 245:21-3, 5 Sep 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IMIDAZOLES, administration & dosage/ *IMIDAZOLES, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ *PROSTAGLANDINS, antagonists & inhibitors/ RABBITS

4730. **Zittoun R, Drox JP, Carbonniére C de, et al:** Evolution des anémies hémolytiques auto-immunes idiopathiques.
Ann Med Interne (Paris) 124:313-6, Apr 73 (Fre)
AGE FACTORS/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, immunology/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANTIBODIES, analysis/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MERCAPTOPURINE, therapeutic use/ PREDNISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ SEX FACTORS/ SPLENECTOMY

4731. **Zittoun R, Imbert M, Cadiou M, et al:** Lymphohistiocytose ("réticuloendothéliose") leucémique.
Ann Med Interne (Paris) 124:319-22, Apr 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ CYTARABINE, therapeutic use/ *LEUKEMIA, LYMPHOBLASTIC, complications/ RETICULOENDOTHELIOSIS, blood/ *RETICULOENDOTHELIOSIS, complications/ RETICULOENDOTHELIOSIS, drug therapy/ RETICULOENDOTHELIOSIS, enzymology/ RETICULOENDOTHELIOSIS, immunology/ RETICULOENDOTHELIOSIS, pathology/ RETICULOENDOTHELIOSIS, therapy/ SPLEEN, pathology/ SPLENECTOMY/ SPLENOMEGALY, complications/ SPLENOMEGALY, drug therapy/ VINCRISTINE, therapeutic use

4732. **Ziv G, Sulman FG:** Penetration of lincomycin and clindamycin into milk in ewes.
Br Vet J 129:83-91, Jan-Feb 73
ANIMAL EXPERIMENTS/ CLINDAMYCIN, metabolism/ FEMALE/ LACTATION/ *LINCOMYCIN, metabolism/ *MILK, metabolism/ PREGNANCY/ *SHEEP, metabolism

4733. **Zivkovic B, Guidotti A, Costa E:** Increase of tryptophan hydroxylase activity elicited by reserpine.
Brain Res 57:522-6, 27 Jul 73
ANIMAL EXPERIMENTS/ BRAIN STEM, drug effects/ *BRAIN STEM, enzymology/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ *HYDROXYLASES, metabolism/ LEUCINE, metabolism/ MALE/ NERVE TISSUE PROTEINS, biosynthesis/ RATS/ *RESERPINE, pharmacodynamics/ *SEROTONIN, biosynthesis/ SPINAL CORD, drug effects/ *SPINAL CORD, enzymology/ TRYPTOPHAN HYDROXYLASE, metabolism

4734. **Zografski STr, Stankusheva P, Dashev G, et al:** Kum klinikata, diagnostikata i lechenieto na khormonalno aktivnite tumori na nadbubrechanata kora.
Khirurgiia (Sofiia) 26:134-8, 1973 (Bul)
*ADRENAL CORTEX HORMONES, secretion/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ ENGLISH ABSTRACT/ HUMAN/ RETROPNEUMOPERITONEUM

4735. **Zor U, Lamprecht SA, Kaneko T, et al:** Functional relations between cyclic AMP, prostaglandins, and luteinizing hormone in rat pituitary and ovary.
Adv Cyclic Nucleotide Res 1:503-20, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AGING/ ANIMAL EXPERIMENTS/ DOGS/ FEMALE/ HYPOTHALAMUS/ *LH, metabolism/ LH, secretion/ OVARY, drug effects/ *OVARY, metabolism/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, growth & development/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN KINASE, metabolism/ RATS/ SHEEP/ THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRITIUM

4736. **Zor'kin AA, Nigulianu VI:** Sostoianie nekotorykh kompenentov tkanego metabolizma v protsesse razvitiia travmaticheskogo shoka.
Patol Fiziol Eksp Ter 16:20-5, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HORMONES, metabolism/ KIDNEY FAILURE, ACUTE, metabolism/ OXYGEN CONSUMPTION/ PROTEINS, metabolism/ RATS/ *SHOCK, TRAUMATIC, metabolism

4737. **Zoumnoulakis D, Klossoglou K, Nicolopoulos D:** Epinephrine and glucocorticoid glycemic curves in malnourished infants.
Helv Paediatr Acta 27:39-43, Apr 72
*BLOOD SUGAR/ BODY WEIGHT/ DRUG SYNERGISM/ *EPINEPHRINE, diagnostic use/ EPINEPHRINE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT/ *NUTRITION DISORDERS, blood/ POTASSIUM, blood/ *PREDNISOLONE, diagnostic use/ PREDNISOLONE, pharmacodynamics

4738. **Zucker I, Wade GN, Ziegler R:** Sexual and hormonal influences on eating, taste preferences, and body weight of hamsters. Physiol Behav 8:101-11, Jan 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ APPETITE REGULATION, drug effects/ *BODY WEIGHT, drug effects/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EATING, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HAMSTERS/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ SACCHARIN/ SEX FACTORS/ SODIUM CHLORIDE/ SPECIES SPECIFICITY/ *TASTE,

drug effects/ *TESTOSTERONE, pharmacodynamics

4739. **Zuckerman BM, Kisiel M, Himmelhoch S:** Unusual mitochondrial cristae in the vinegar eelworm. J Cell Biol 58:476-80, Aug 73
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, cytology/ FEMALE/ GONADS, cytology/ INTESTINES, cytology/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA/ MUSCLES, cytology/ *NEMATODA, anatomy & histology/ SKIN, cytology

4740. **Zumoff B, Bradlow HL, Hellman L:** 17-Oxidation of testosterone in man: absence of a sex difference. J Clin Endocrinol Metab 37:293-6, Aug 73
ADOLESCENCE/ ADULT/ BODY WATER/ CARBON ISOTOPES/ FEMALE/ GLUCURONATES, urine/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ OXIDATION-REDUCTION/ SEX FACTORS/ *TESTOSTERONE, metabolism/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

4741. **Zumpe N, Blake M:** The effect of human chorionic somato-mammotrophin on cell division in the mouse uterus. J Endocrinol 58:xv-xvi, Jul 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CELL DIVISION, drug effects/ COLCHICINE, pharmacodynamics/ MICE/ MICE, INBRED CBA/ *PLACENTAL LACTOGEN, pharmacodynamics/ PREGNANCY/ UTERUS, cytology/ *UTERUS, drug effects

4742. **Zurier RB, Hoffstein S, Weissmann G:** Mechanisms of lysosomal enzyme release from human leukocytes. I. Effect of cyclic nucleotides and colchicine. J Cell Biol 58:27-41, Jul 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ARTHRITIS, RHEUMATOID, immunology/ CARBON ISOTOPES/ *COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ GLUCOSE, metabolism/ *GLUCURONIDASE, metabolism/ HUMAN/ IGG, pharmacodynamics/ IGM, pharmacodynamics/ LEUKOCYTES, cytology/ LEUKOCYTES, drug effects/ *LEUKOCYTES, enzymology/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ MALE/ MICROTUBULES, drug effects/ PHAGOCYTOSIS/ PROSTAGLANDINS, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STAINS AND STAINING/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ URIC ACID, pharmacodynamics/ VINBLASTINE, pharmacodynamics/ ZYMOSAN, pharmacodynamics

4743. **Zusman RM, Caldwell BV, Speroff L, et al:** Radioimmunoassay of the A prostaglandins. Prostaglandins 2:41-53, Jul 72
ADULT/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ARTHRITIS, RHEUMATOID, blood/ BINDING SITES, ANTIBODY/ CARBODIIMIDES/ CATTLE/ CROSS REACTIONS/ FEMALE/ FREUND'S ADJUVANT/ HUMAN/ IMMUNE SERUMS/ INDOMETHACIN/ MALE/ METHODS/ *PROSTAGLANDINS, blood/ RABBITS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

4744. **Zusman RM, Caldwell BV, Mulrow PJ, et al:** The role of prostaglandin A in the control of sodium homeostasis and blood pressure. Prostaglandins 3:679-90, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, drug therapy/ *BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY/ DEPRESSION, CHEMICAL/ DIET/ HOMEOSTASIS/ HUMAN/ HYPERTENSION, blood/ IMMUNE SERUMS/ INDOMETHACIN, therapeutic use/ *KIDNEY, metabolism/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SODIUM, administration & dosage/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ TRITIUM

4745. **Zwieten PA van:** Drugs in cardiogenic shock. Int J Clin Pharmacol 7:109-17, Apr 73 (29 ref)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ANOXEMIA, drug therapy/ ARRHYTHMIA, drug therapy/ BLOOD PRESSURE/ CARDIAC GLYCOSIDES, therapeutic use/ GLUCAGON, therapeutic use/ HUMAN/ PLASMA SUBSTITUTES, therapeutic use/ REVIEW/ SHOCK, complications/ *SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, etiology/ SHOCK, CARDIOGENIC, metabolism/ SHOCK, CARDIOGENIC, physiopathology/ SYMPATHOMIMETICS, therapeutic use

ANONYMOUS

Ann Intern Med

4746. Immunodeficiency disease and malignancy. Various immunologic deficiencies of man and the role of immune processes in the control of malignant disease. Ann Intern Med 77:605-28, Oct 72 (189 ref.)
AGAMMAGLOBULINEMIA, complications/ *ALDRICH SYNDROME, immunology/ ANTIGEN-ANTIBODY REACTIONS/ ATAXIA TELANGIECTASIA, immunology/ HUMAN/ IGA/ IGM/ IMMUNITY, ACTIVE/ IMMUNITY, CELLULAR/ IMMUNOGLOBULINS, biosynthesis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ IMMUNOLOGIC DEFICIENCY SYNDROMES, physiopathology/ INFANT, NEWBORN, DISEASES, immunology/ MACROPHAGES, drug effects/ MACROPHAGES, physiology/ *NEOPLASMS, immunology/ NEOPLASMS, occurrence/ NEOPLASMS, physiopathology/ PARATHYROID GLANDS, abnormalities/ PROTEIN-LOSING ENTEROPATHIES, immunology/ REVIEW/ SYNDROME/ THYMUS GLAND, abnormalities

Br Med J

4747. A case of abnormal thirst. Br Med J 3:214-9, 28 Jul 73
ADOLESCENCE/ *BRAIN NEOPLASMS, pathology/ CASE REPORT/ CEREBELLUM, pathology/ CEREBRAL VENTRICLES, pathology/ CHILD/ DEHYDRATION/ DIABETES INSIPIDUS/ *DISGERMINOMA, pathology/ HUMAN/ HYPOTHALAMUS, pathology/ LEUKOCYTE COUNT/ MALE/ TEMPORAL LOBE, pathology/ *THIRST

4748. Adrenal haemorrhage in the newborn. Br Med J 3:120-1, 21 Jul 73
*ADRENAL GLAND DISEASES/ CALCINOSIS, complications/ *HEMORRHAGE/ HEMORRHAGE, complications/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES

4749. Short boys. Br Med J 3:245-6, 4 Aug 73
ANDROGENS, therapeutic use/ ANXIETY/ BIRTH WEIGHT/ CHILD/ CHILD DEVELOPMENT/ ENDOCRINE DISEASES, complications/ FEMALE/ *GROWTH DISORDERS/ GROWTH DISORDERS, etiology/ HUMAN/ MALE/ PUBERTY

4750. Bronchospasm after althesin anaesthesia. Br Med J 3:291, 4 Aug 73
*ANDROSTANES, adverse effects/ *ANESTHETICS, adverse effects/ ANIMAL

EXPERIMENTS/ *BRONCHIAL SPASM, chemically induced/ *CURARE-LIKE AGENTS, adverse effects/ HUMAN/ KETONES, adverse effects/ PANCURONIUM, adverse effects/ PREGNANES, adverse effects

4751. Second renal transplants in cvhildren.
Br Med J 3:3-4, 7 Jul 73
CHILD/ HEMODIALYSIS/ HEMODIALYSIS, HOME/ HUMAN/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, mortality/ RENAL OSTEODYSTROPHY, therapy/ TRANSPLANTATION, HOMOLOGOUS

4752. The swollen brain. Br Med J 3:463-4, 1 Sep 73
*BRAIN EDEMA/ BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN EDEMA, physiopathology/ BRAIN NEOPLASMS, complications/ CEREBROVASCULAR CIRCULATION/ DEXAMETHASONE, therapeutic use/ HUMAN/ PAPILLEDEMA, etiology

4753. Thyrotrophin-releasing hormone in use.
Br Med J 3:465, 1 Sep 73
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPOTHYROIDISM, diagnosis/ PITUITARY DISEASES, diagnosis/ SHEEHAN'S SYNDROME, blood/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, adverse effects/ *THYROTROPIN RELEASING FACTOR, diagnostic use

4754. Analgesics and asthma. Br Med J 3:419-20, 25 Aug 73
ADULT/ *ANALGESICS AND ANTIPYRETICS, adverse effects/ ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPIRIN, adverse effects/ *ASTHMA, chemically induced/ BRONCHI, drug effects/ CHILD/ DRUG HYPERSENSITIVITY, diagnosis/ GUINEA PIGS/ HUMAN/ MALE/ PROSTAGLANDINS, antagonists & inhibitors

4755. Treatment of diabetic retinopathy.
Br Med J 3:421-2, 25 Aug 73
CLOFIBRATE, therapeutic use/ DIABETIC RETINOPATHY, diagnosis/ DIABETIC RETINOPATHY, drug therapy/ DIABETIC RETINOPATHY, surgery/ *DIABETIC RETINOPATHY, therapy/ HUMAN/ HYPOPHYSECTOMY/ LIGHT COAGULATION

4756. Rheumatoid arthritis of temporo-mandibular joint.
Br Med J 3:369, 18 Aug 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, occurrence/ ARTHRITIS, RHEUMATOID, surgery/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ OSTEOARTHRITIS, diagnosis/ *TEMPOROMANDIBULAR JOINT

h Med

4757. Table ronde sur: la place de l'hormonothérapie en cancérologie. Cah Med 14:123-40, Feb 73 **(Fre)**
FEMALE/ *HORMONES, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS, drug therapy/ *NEOPLASMS, drug therapy

n Med Assoc J

4758. Local metabolic changes in spinal cord injury.
Can Med Assoc J 107:597, 7 Oct 72
ANIMAL EXPERIMENTS/ CATS/ DOGS/ DOPAMINE, metabolism/ HEMORRHAGE, prevention & control/ METHYLTYROSINES, therapeutic use/ MONKEYS/ NECROSIS/ NOREPINEPHRINE, metabolism/ PARAPLEGIA, drug therapy/ PARAPLEGIA, metabolism/ SEROTONIN, metabolism/ SPINAL CORD, metabolism/ SPINAL CORD, pathology/ *SPINAL CORD INJURIES, metabolism

n Pharmacol Ther

4759. Panel discussion: drugs and fetal metabolism.
Clin Pharmacol Ther 14:700-4, Jul-Aug 73
ABNORMALITIES, DRUG-INDUCED, etiology/ ANTICONVULSANTS, pharmacodynamics/ CELLS, CULTURED/ DIPHENYLHYDANTOIN, adverse effects/ DRUG THERAPY, adverse effects/ *DRUGS, metabolism/ FETUS, drug effects/ *FETUS, metabolism/ HEREDITARY DISEASES/ HUMAN/ KINETICS/ PHENOBARBITAL, therapeutic use/ PREGNANCY/ THYROXINE, metabolism/ TWINS

4760. Panel discussion: hormones and fetal metabolism.
Clin Pharmacol Ther 14:742-7, Jul-Aug 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ DIETHYLSTILBESTROL, adverse effects/ DIPHENYLHYDANTOIN, pharmacodynamics/ FEMALE/ *FETUS, metabolism/ HORMONES, adverse effects/ HORMONES, metabolism/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROXYLATION/ LUNG, metabolism/ PHENOBARBITAL, pharmacodynamics/ PLACENTA, drug effects/ PREGNANCY/ PREGNANEDIOL, pharmacodynamics/ RESPIRATORY DISTRESS SYNDROME, prevention & control/ SEX BEHAVIOR, drug effects/ STEROIDS, therapeutic use/ SURFACE-ACTIVE AGENTS, pharmacodynamics

Drug Ther Bull

4761. Arresting premature labour: orciprenaline and other drugs. Drug Ther Bull 11:25-7, 30 Mar 73
CLINICAL RESEARCH/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ ISOXSUPRINE, administration & dosage/ LABOR, drug effects/ *LABOR, PREMATURE/ ORCIPRENALINE, pharmacodynamics/ *ORCIPRENALINE, therapeutic use/ PREGNANCY/ PROGESTERONE, administration & dosage

4762. Chemotherapy in Hodgkin's disease (lymphadenoma).
Drug Ther Bull 11:57-9, 20 Jul 73
DRUG COMBINATIONS/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCA ALKALOIDS, therapeutic use

4763. Althesin: a new intravenous steroid anaesthetic.
Drug Ther Bull 11:51-2, 22 Jul 73
*ANESTHESIA, INTRAVENOUS/ *ANESTHETICS/ ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ DOGS/ DRUG COMBINATIONS/ HUMAN/ HYDROXYSTEROIDS/ KETOSTEROIDS/ *PREGNANES/ PREGNANES, adverse effects/ SURFACE-ACTIVE AGENTS/ VISCOSITY

4764. Prostaglandins for inducing labor and abortion.
Drug Ther Bull 11:41-3, 25 May 73
*ABORTION, INDUCED/ ABORTION, MISSED, drug therapy/ FEMALE/ FETAL DEATH, drug therapy/ HUMAN/ HYDATIDIFORM MOLE, drug therapy/ *LABOR, INDUCED/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use

Geburtshilfe Frauenheilkd

4765. "Genetische Beratung"
Geburtshilfe Frauenheilkd 33:525-40, Jul 73 **(Ger)**
ABNORMALITIES, MULTIPLE/ ABORTION/ ADRENOGENITAL SYNDROME/ AMNIOCENTESIS/ AUTOSOME ABNORMALITIES/ CHROMOSOME ABERRATIONS/ CLEFT PALATE/ CLUBFOOT/ CYSTIC FIBROSIS, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ *GENETIC COUNSELING/ HEART DEFECTS, CONGENITAL/ HEMOPHILIA/ HERMAPHRODITISM/ HIP DISLOCATION, CONGENITAL/ HUMAN/ INFANT, NEWBORN/ MALE/ MONGOLISM/ MUSCULAR ATROPHY, familial & genetic/ PHENYLKETONURIA/ PREGNANCY/ SPINA BIFIDA/ TURNER'S SYNDROME

J Med Educ

4766. Guidelines for academic medical centers planning to assume institutional responsibility for graduate medical education. Report of the Committee on Graduate Medical Education of the Association of American Medical Colleges.
J Med Educ 48:777-91, Aug 73
CURRICULUM/ DELIVERY OF HEALTH CARE/ *EDUCATION, MEDICAL, GRADUATE/ EDUCATION, MEDICAL, UNDERGRADUATE/ EDUCATIONAL MEASUREMENT/ FACULTY, MEDICAL/ *GLUCOCORTICOIDS, urine/ *GONADOTROPINS, CHORIONIC, urine/ GOVERNING BOARD/ HEALTH OCCUPATIONS, education/ *HOSPITALS, TEACHING/ INTERNSHIP AND RESIDENCY/ MEDICAL RECORDS/ ORGANIZATION AND ADMINISTRATION/ ORGANIZATIONS/ PHYSICIAN-PATIENT RELATIONS/ PRIMARY HEALTH CARE, manpower/ *SCHOOLS, MEDICAL/ SPECIALTIES, MEDICAL, manpower/ STUDENTS, MEDICAL/ TRAINING SUPPORT/ UNITED STATES/ UNIVERSITIES

J Tenn Med Assoc

4767. Radioactive iodine therapy of thyroid carcinoma.
J Tenn Med Assoc 66:767-9, Aug 73
*ADENOCARCINOMA, radiotherapy/ HUMAN/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, radiotherapy

J Trop Med Hyg

4768. Editorial. Cholelithiasis. J Trop Med Hyg 76:157, Jul 73
BILE ACIDS AND SALTS, secretion/ BILIRUBIN/ CHOLELITHIASIS, etiology/ *CHOLELITHIASIS, occurrence/ CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN

JAMA

4769. Pancuronium bromide (continued).
JAMA 226:198-9, 8 Oct 73
ADULT/ *ANDROSTANES, adverse effects/ *CURARE-LIKE AGENTS, adverse effects/ HUMAN/ MUSCLES, drug effects/ PANCURONIUM, adverse effects/ *RESPIRATION, ARTIFICIAL/ TACHYCARDIA, chemically induced

4770. Evaluation of a muscle relaxant. Pancuronium bromide (pavulon). JAMA 225:745-6, 13 Aug 73
ADULT/ *ANDROSTANES, pharmacodynamics/ BROMIDES, pharmacodynamics/ CHILD/ *CURARE-LIKE AGENTS, pharmacodynamics/ DRUG SYNERGISM/ DRUG TOLERANCE/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LIVER, metabolism/ PANCURONIUM, administration & dosage/ PANCURONIUM, metabolism/ PANCURONIUM, pharmacodynamics/ PREGNANCY/ SUCCINYLCHOLINE, pharmacodynamics/ TIME FACTORS

4771. Crosby WH:What to treat in Felty's syndrome.
JAMA 225:1114-5, 27 Aug 73
AGRANULOCYTOSIS, diagnosis/ ANEMIA, diagnosis/ ARTHRITIS, RHEUMATOID, diagnosis/ CHRONIC DISEASE/ FELTY'S SYNDROME, diagnosis/ FELTY'S SYNDROME, drug therapy/ *FELTY'S SYNDROME, therapy/ HUMAN/ INFECTION, diagnosis/ LEUKOCYTE COUNT/ SPLENECTOMY/ SPLENOMEGALY, diagnosis/ TESTOSTERONE, therapeutic use/ THROMBOPENIA, diagnosis/ ULCER, diagnosis

4772. Anticonvulsant drugs and vitamin D metabolism.
JAMA 225:995-6, 20 Aug 73
*ANTICONVULSANTS, adverse effects/ BONE DISEASES, chemically induced/ HUMAN/ VITAMIN D, administration & dosage/ *VITAMIN D, metabolism/ VITAMIN D, pharmacodynamics

Lancet

4773. Androgen dependence of breast cancers.
Lancet 2:203-4, Jul 73
ANDROGENS, adverse effects/ *ANDROGENS, metabolism/ ANDROGENS, therapeutic use/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, enzymology/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ FEMALE/ HUMAN/ IN VITRO/ OXIDOREDUCTASES, metabolism/ RATS/ RECEPTORS, HORMONE/ TESTOSTERONE, metabolism/ TISSUE CULTURE

4774. Toxic dilatation of the colon. Lancet 2:192, Jul 7
ANTIBIOTICS, therapeutic use/ COLECTOMY/ *COLONIC DISEASES/ COLONIC DISEASES, drug therapy/ COLONIC DISEASES, mortality/ COLONIC DISEASES, radiotherapy/ COLONIC DISEASES, surgery/ DILATATION/ HUMAN/ ILEOSTOMY/ INTESTINAL MUCOSA/ METHODS/ POSTOPERATIVE COMPLICATIONS/ RECTUM, surgery/ STEROIDS, therapeutic use

4775. Ultraviolet deprivation. Lancet 1:1294-5, 9 Jun 7
BONE AND BONES, metabolism/ *BONE DISEASES, etiology/ BONE DISEASES, metabolism/ CHOLECALCIFEROL, biosynthesis/ HUMAN/ OSTEOMALACIA, radiotherapy/ RICKETS, radiotherapy/ *ULTRAVIOLET RAYS/ ULTRAVIOLET THERAPY/ VITAMIN D DEFICIENCY, complications

4776. Iodine-125 in thyrotoxicosis.
Lancet 2:426, 25 Aug 73 (22 ref.)
HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, chemically induced/ IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ RADIATION EFFECTS/ REVIEW/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, radiation effects

4777. Episodic hypothermia. Lancet 1:246-7, 4 Aug 73
ABNORMALITIES, complications/ AGED/ ANTICONVULSANTS, therapeutic use/ ATROPINE, therapeutic use/ BODY TEMPERATURE REGULATION/ BRAIN DISEASES, complications/ CORPUS CALLOSUM, abnormalities/ GANGLIONIC BLOCKADERS, therapeutic use/ HUMAN/ HYPOTHALAMUS/ *HYPOTHERMIA/ HYPOTHERMIA, drug therapy/ HYPOTHERMIA, etiology/ PERIODICITY

4778. Chronic cassava toxicity. Lancet 1:245-6, 4 Aug 73
ADULT/ ANIMAL EXPERIMENTS/ ATAXIA, etiology/ *CASSAVA/ CYANIDES, toxicity/ FOOD POISONING, complications/ GOITER, ENDEMIC, etiology/ GRAIN/ HUMAN/ NIGERIA/ RATS/ TANZANIA

4779. Oral contraceptives and venous thromboembolic disease, surgically confirmed gallbladder disease, and breast tumours. Report from the Boston Collaborative Drug Surveillance Programme.
Lancet 1:1399-404, 23 Jun 73
ADULT/ AGE FACTORS/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *GALLBLADDER DISEASES, chemically induced/ GALLBLADDER DISEASES, occurrence/ HEALTH SURVEYS/ HUMAN/ PREGNANCY/ RETROSPECTIVE STUDIES/ SEX FACTORS/ *THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, occurrence/ TIME FACTORS

4780. Taking stock of the carcinoid syndrome.
Lancet 2:711-2, 29 Sep 73
CHROMAFFIN SYSTEM, metabolism/ FEMALE/ HUMAN/ MALE/ *MALIGNANT CARCINOID SYNDROME/ MALIGNANT CARCINOID SYNDROME, embryology/ MALIGNANT CARCINOID SYNDROME, enzymology/ MALIGNANT CARCINOID SYNDROME, surgery/ NEOPLASMS, MULTIPLE PRIMARY/ PREGNANCY/

SEROTONIN, metabolism/ THYROCALCITONIN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism

4781. Organ preservation. Lancet 2:715-6, 29 Sep 73
ANIMAL EXPERIMENTS/ CHLORPROMAZINE, pharmacodynamics/ DOGS/ HEART, transplantation/ HEPARIN, pharmacodynamics/ HUMAN/ KIDNEY, transplantation/ LIVER, transplantation/ LUNG, transplantation/ METHODS/ METHYLPREDNISOLONE, pharmacodynamics/ PANCREAS,

PHENOXYBENZAMINE, pharmacodynamics/ RATS/ TIME FACTORS/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS

Md State Med J

4782. Alcohol-related illnesses. 3.
Md State Med J 21:94-7, Oct 72
ALCOHOL, ETHYL, pharmacodynamics/ *ALCOHOLISM, complications/ ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, drug effects/ DRUG INTERACTIONS/ ENDOCRINE GLANDS, drug effects/ HUMAN/ LIVER, metabolism/ NUTRITION DISORDERS, etiology/ RATS

Med J Aust

4783. Hyperthyroidism and hypothyroidism in the elderly.
Med J Aust 2:979-80, 28 Oct 72
AGED/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND FUNCTION TESTS/ THYROXINE, administration & dosage/ THYROXINE, therapeutic use

4784. Thyroid disease and the computer.
Med J Aust 2:980, 28 Oct 72
*COMPUTERS, DIGITAL/ HUMAN/ PROBABILITY/ *THYROID DISEASES, diagnosis

4785. Psychiatric complications of medical drugs.
Med J Aust 1:1263-4, 30 Jun 73
ADRENAL CORTEX HORMONES, adverse effects/ DIGITALIS GLYCOSIDES, adverse effects/ DOPA, adverse effects/ *DRUG THERAPY, adverse effects/ HUMAN/ *MENTAL DISORDERS, chemically induced/ PARASYMPATHOLYTICS, adverse effects/ RESERPINE, adverse effects

4786. The significance of triiodothyronine.
Med J Aust 1:1214-5, 23 Jun 73
HUMAN/ RADIOIMMUNOASSAY/ THYROID DISEASES, diagnosis/ THYROXINE, physiology/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, physiology

4787. Neurophysins. Med J Aust 2:3-4, 7 Jul 73
CARRIER PROTEINS/ HUMAN/ NEUROPHYSINS, blood/ NEUROPHYSINS, metabolism/ *NEUROPHYSINS, physiology/ NEUROPHYSINS, secretion/ PITUITARY GLAND, POSTERIOR, metabolism/ PITUITARY HORMONES, POSTERIOR, secretion

4788. Iodine-131 and carcinogenesis.
Med J Aust 1:1171-2, 16 Jun 73
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CHILD/ FEMALE/ HAMSTERS/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, adverse effects/ LEUKEMIA, RADIATION-INDUCED, occurrence/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED, etiology/ PREGNANCY/ *RADIOTHERAPY, adverse effects/ RATS/ THYROID ANTAGONISTS, adverse effects/ THYROID NEOPLASMS, etiology/ *THYROID NEOPLASMS, etiology

d Lett Drugs Ther

789. Selection of thyroid hormone products.
Med Lett Drugs Ther 15:70-1, 17 Aug 73
COSTS AND COST ANALYSIS/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ IODINE, analysis/ THYROID HORMONES/ THYROID HORMONES, administration & dosage/ THYROID HORMONES, analysis/ THYROID HORMONES, standards/ *THYROID HORMONES, therapeutic use/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism

4790. Mithramycin (mithracin).
Med Lett Drugs Ther 12:86-7, 16 Oct 73
CALCIUM, urine/ FEMALE/ HUMAN/

HYPERCALCEMIA, drug therapy/ MALE/ MITHRAMYCIN, administration & dosage/ MITHRAMYCIN, adverse effects/ *MITHRAMYCIN, therapeutic use/ NEOPLASM METASTASIS/ OSTEITIS DEFORMANS, drug therapy/ TERATOID TUMOR, drug therapy/ TESTICULAR NEOPLASMS, drug therapy

Medicina (B Aires)

4791. Tromboembolismo pulmonar recurrente en un paciente de 33 a nos operado de un tumor testicular.
Medicina (B Aires) 33:150-6, Mar-Apr 73 (Spa)
ADULT/ CASE REPORT/ *CHORIOCARCINOMA, surgery/ DIAGNOSIS, DIFFERENTIAL/ HEART VENTRICLE/ HUMAN/ *LUNG, pathology/ MALE/ NEOPLASM METASTASIS/ PULMONARY ARTERY, pathology/ *PULMONARY CIRCULATION/ *PULMONARY EMBOLISM, pathology/ RECURRENCE/ *TESTICULAR NEOPLASMS, surgery

Nutr Rev

4792. Dietary phosphorus, PTH, and bone resorption.
Nutr Rev 31:124-6, Apr 73 (11 ref.)
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANTIGENS/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM/ CALCIUM, pharmacodynamics/ CALCIUM, DIETARY/ CALCIUM, DIETARY, administration & dosage/ CALCIUM ISOTOPES/ DEFICIENCY DISEASES, complications/ DIET/ DISEASE MODELS, ANIMAL/ DOGS/ FEMALE/ HUMAN/ MICE/ OSTEOPOROSIS, etiology/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, physiology/ *PHOSPHORUS/ PHOSPHORUS, administration & dosage/ PHOSPHORUS, adverse effects/ PHOSPHORUS, pharmacodynamics/ REVIEW

4793. The role of calcium in insulin secretion.
Nutr Rev 31:122-4, Apr 73 (8 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, metabolism/ BUTYRATES, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM, physiology/ CALCIUM ISOTOPES/ GLIBENCLAMIDE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HYPERGLYCEMIA, metabolism/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, secretion/ MICE/ OBESITY, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ REVIEW/ THEOPHYLLINE, pharmacodynamics

4794. Adrenocortical function in malnutrition.
Nutr Rev 31:127-9, Apr 73 (8 ref.)
*ADRENAL GLANDS, physiopathology/ ADRENAL GLANDS, secretion/ ADULT/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANTIBODY PRODUCING CELLS/ FEMALE/ *GLUCOCORTICOIDS/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, secretion/ HUMAN/ HYDROCORTISONE, blood/ IMMUNITY, CELLULAR/ INFANT/ INFANT NUTRITION/ MALE/ *NUTRITION DISORDERS/ NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, physiopathology/

PREGNANCY/ PREGNANCY COMPLICATIONS/ RATS/ REVIEW/ STRESS, complications

4795. Control of vitamin D metabolism.
Nutr Rev 31:187-8, Jun 73 (6 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ HUMAN/ INTESTINES, metabolism/ KIDNEY, enzymology/ KIDNEY, metabolism/ *PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, physiology/ REVIEW/ STEROID HYDROXYLASES, metabolism/ VITAMIN D, biosynthesis/ *VITAMIN D, metabolism/ VITAMIN D DEFICIENCY, metabolism

4796. Tryptophan and the brain.
Nutr Rev 31:160-1, May 73 (8 ref.)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, biosynthesis/ *BRAIN, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ HYDROXYINDOLEACETIC ACID, metabolism/ INFANT/ KWASHIORKOR, metabolism/ NUTRITION DISORDERS, metabolism/ RATS/ REVIEW/ SEROTONIN, metabolism/ STARVATION, metabolism/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN, physiology

4797. Cortisone induction of small bowel sucrase activity.
Nutr Rev 31:158-9, May 73 (4 ref.)
AGING/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL MOVEMENT/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION/ FEMALE/ GLYCOSIDE HYDROLASES, metabolism/ ILEUM, enzymology/ INTESTINAL MUCOSA, enzymology/ INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, cytology/ *INTESTINE, SMALL, enzymology/ JEJUNUM, enzymology/ LACTATION/ PREGNANCY/ RATS/ REVIEW/ *SUCRASE, biosynthesis/ THYMIDINE, metabolism/ TRITIUM

4798. Effects of brief postnatal fasting upon brain development in rabbits.
Nutr Rev 31:166, May 73 (2 ref.)
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BRAIN, anatomy & histology/ *BRAIN, growth & development/ BRAIN, metabolism/ CHOLESTEROL, metabolism/ DNA, metabolism/ *FASTING/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT NUTRITION/ INFANT, PREMATURE/ LACTATION/ NERVE TISSUE PROTEINS, metabolism/ ORGAN WEIGHT/ PREGNANCY/ RABBITS/ REVIEW/ RNA, metabolism/ SPECIES SPECIFICITY

4799. Genetic factors in fat mobilization.
Nutr Rev 31:157-8, May 73 (3 ref.)
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *ANTILIPEMIC AGENTS, pharmacodynamics/ BIOLOGICAL ASSAY/ BODY COMPOSITION/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ GENETICS/ HUMAN/ LIPID MOBILIZATION/ LIPIDS, analysis/ *LIPIDS, metabolism/ LIPOTROPIC FACTORS, antagonists & inhibitors/ LIPOTROPIC FACTORS, pharmacodynamics/ LIPOTROPIN, pharmacodynamics/ OBESITY, familial & genetic/ PEPTIDE HYDROLASES, blood/ PITUITARY GLAND/ RABBITS/ REVIEW/ SPECIES SPECIFICITY/ SWINE/ THINNESS

Postgrad Med

4800. Weight loss, impaired mentation, and anemia.
Postgrad Med 54:209-12, Sep 73
AGED/ CASE REPORT/ HUMAN/ *LEUKEMIA, MYELOCYTIC, pathology/ MALE/ *MENINGITIS, PNEUMOCOCCAL, pathology/ *PNEUMONIA, LOBAR, pathology/ *THYROIDITIS, pathology

Probl Endokrinol (Mosk)

4801. Oleg Vladimirovich Nikolaev (k 70-letiiu so dni rozhdeniia.
Probl Endokrinol (Mosk) 19:119-20, May-Jun 73 (Rus
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ SURGERY, history/ USSR

S Afr Med J

4802. Papanicolaou smears. S Afr Med J 47:1336, 4 Aug 7
FEMALE/ GYNECOLOGIC NEOPLASMS, prevention & control/ HUMAN/ *MASS SCREENING/ OVARIAN NEOPLASMS, prevention & control/ SOCIETIES, MEDICAL/ SOUTH AFRICA/ STAINS AND STAINING/ *VAGINAL SMEARS

SD J Med

4803. Twenty-four year old girl with recurrent abdomina pain. SD J Med 26:25-9, Jul 73
*ABDOMEN, ACUTE, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FALLOPIAN TUBES/ FEMALE/ HUMAN/ *OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ TORSION

Surg Neurol

4804. Emergency treatment of spinal cord injury.
Surg Neurol 1:216, Jul 73
ADOLESCENCE/ *DEXAMETHASONE, therapeutic use/ *EMERGENCIES/ HUMAN/ HYPOTHERMIA, INDUCED/ IMMOBILIZATION/ MALE/ SPINAL CORD INJURIES, drug therapy/ *SPINAL CORD INJURIES, therapy/ TIME FACTORS

W Va Med J

4805. Prostaglandins. W Va Med J 69:182, Jul 73
PROSTAGLANDINS, classification/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use

WHO Tech Rep Ser

4806. WHO Expert Committee on Biological Standardization: twenty-fifth report. WHO Tech Rep Ser 530:1-66, 1973
ANTIBIOTICS, standards/ ANTIBODIES/ ANTIGENS, standards/ ARSENICALS, standards/ ARSPHENAMINE, standards/ DIMERCAPROL, standards/ *DRUGS, standards/ GLUCAGON, standards/ HEPARIN, standards/ OXOPHENARSINE, standards/ THROMBIN, standards/ TRIAZINES, standards/ VITAMIN D, standards/ WORLD HEALTH ORGANIZATION

SUBJECT INDEX

A

ABDOMEN: 679, 944, 2183, 2541, 2701, 3011, 3319, 3846, 3971, 3992
ABDOMEN, ACUTE: 593, 4431, 4803
ABDOMINAL NEOPLASMS: 137, 347, 3278, 3540
ABDOMINAL WALL: 25, 3087
ABNORMALITIES: 590, 638, 799, 1521, 1722, 2391, 2989, 3065, 3094, 3212, 3239, 3320, 4467, 4590, 4777
ABNORMALITIES, DRUG-INDUCED: 93, 558, 718, 1190, 1217, 1632, 1722, 2501, 2989, 3088, 3265, 3326, 3417, 3656, 3721, 3847, 4590, 4759
ABNORMALITIES, MULTIPLE: 25, 87, 181, 477, 717, 745, 1140, 1176, 1292, 1429, 1677, 2039, 2164, 2286, 2639, 2922, 2969, 3065, 3094, 3124, 3200, 3258, 3380, 3540, 3569, 3593, 3762, 4122, 4134, 4157, 4324, 4367, 4450, 4716, 4765
ABOMASUM: 3142
ABORTION: 1095, 1744, 1899, 2373, 2391, 2730, 3212, 3249, 3272, 3326, 3678, 3703, 3994, 4135, 4487, 4590, 4765
ABORTION, CRIMINAL: 1933
ABORTION, HABITUAL: 169, 1478, 1883, 2683, 3273, 3298, 3594, 4490
ABORTION, INDUCED: 276, 399, 463-464, 643, 746, 750, 777-778, 805, 809, 817, 1043-1044, 1190, 1571, 1600, 1693, 1881, 2010, 2282, 2311, 2842, 3174, 3249, 3650, 3699, 3740, 3815, 3837, 4275, 4318, 4764
ABORTION, LEGAL: 2730
ABORTION, MISSED: 4764
ABORTION, SEPTIC: 1051
ABORTION, THERAPEUTIC: 38, 805, 1064, 1095, 1312, 1600, 3212, 4533, 4694
ABORTION, THREATENED: 169, 177, 1571, 2972, 3690, 4467, 4479, 4487, 4490
ABORTION, VETERINARY: 1350, 1539, 2850, 3122
ABSCESS: 417, 1912, 3100, 3994
ABSORPTION: 366, 679, 965, 1266, 1500, 1640, 2036, 2209, 2345, 4126
ACANTHOCHEILONEMA: 1601
ACCIDENTS: 2112
ACCIDENTS, TRAFFIC: 3934, 4342, 4471
ACCLIMATIZATION: 262, 1280, 1574, 1877, 2271, 2728
ACETALDEHYDE: 4335, 4458, 4633
ACETAMIDES: 1141, 1222, 1608, 3477, 3927, 4100, 4408
ACETAMINOPHEN: 1356, 4379
ACETANILIDE: 297, 4266
ACETATES: 170, 279, 691-692, 765, 926-927, 1499, 1640, 1916, 2063, 2414, 2694, 2750, 2787, 2939, 3368, 3370, 3422, 3511, 3936, 4046, 4058, 4415, 4417, 4472, 4571, 4629, 4635
ACETAZOLAMIDE: 254, 2665, 3963, 4355
ACETIC ACIDS: 121, 471, 781, 1386, 1398, 1402, 1751, 1845, 2891, 3599, 3992, 4033, 4173, 4176, 4227, 4633
ACETOACETATES: 300, 1762, 3157
ACETONE: 636, 2426, 2428, 3524, 3776
ACETOPHENAZINE: 3708
ACETRIZOIC ACID: 3259
ACETYL COENZYME A: 1113, 1499, 1673
ACETYLATION: 2041, 2104, 2414, 2637, 3470, 3960
ACETYLCHOLINE: 4, 37, 157, 165, 415, 442-444, 582, 696, 953, 978, 1023, 1282, 1285, 1391, 1473, 1519, 1546, 1568, 1592, 1599, 1601, 1759, 1786, 1801, 1828-1829, 1924, 1968, 2096, 2120, 2303-2304, 2306, 2403, 2489, 2551, 2635, 2651, 2705, 2741, 2748, 2876, 2950, 3030, 3102, 3127, 3215, 3232, 3242, 3301, 3349, 3571, 3708, 3813, 4169, 4218-4219, 4313, 4493, 4565, 4648, 4674
ACETYLCHOLINESTERASE: 130, 860, 872, 953, 1285, 2120, 4232
ACETYLCYSTEINE: 382
ACETYLTRANSFERASES: 496, 953, 1171, 2104, 2529, 3378, 3620
ACHILLES TENDON: 4276
ACHONDROPLASIA: 790, 3569
ACID-BASE EQUILIBRIUM: 1224, 1387, 1685, 2001, 2774, 2914, 3377
ACID PHOSPHATASE: 16, 206, 363, 428, 475, 734, 905, 984, 1249, 1437, 1664, 1792, 1800, 1841, 1977, 2006, 2042, 2308, 2765, 2805, 2811, 2897, 3412, 4158, 4254, 4723
ACIDOSIS: 164, 220, 1334, 1686, 2426, 2914, 3265, 3655, 4576
ACIDOSIS, DIABETIC: 1361, 1908
ACIDOSIS, RENAL TUBULAR: 2649, 4181
ACIDOSIS, RESPIRATORY: 4576
ACNE: 1247, 1405, 2809, 3032, 3429
ACONITE: 331, 1195, 4222
ACOUSTIC STIMULATION: 61, 491, 1108, 3101
ACOUSTIC TRAUMA: 1108
ACRIDINES: 884, 1006, 4082, 4430
ACROMEGALY: 635, 655, 889, 935, 970, 1060, 1101-1102, 1385, 1406, 1543-1544, 1618, 1706, 2286, 2343, 2464, 2511, 2631-2633, 2682, 2779, 2819, 2888, 2912, 2923, 2955-2956, 3152, 3243, 3398, 3602, 3640-3641, 3737, 3839, 3910, 3941, 4101, 4170, 4225, 4505, 4716
ACRYLIC RESINS: 972
ACTIN: 1266, 1757, 2017
ACTINOBACILLUS: 526, 3314
ACTINOBACILLUS INFECTIONS: 526
ACTINOMYCES: 4336
ACTINOMYCIN: 4286, 4535
ACTION POTENTIALS: 77, 443-444, 781, 805, 1129, 1234, 1474, 1612-1613, 1634, 1707, 1761, 1798, 2017, 2131, 2303, 2512, 2545, 2970, 2996, 3070, 3101-3102, 3250, 3778, 3784, 3791, 4116, 4175, 4218
ACTIVATION ANALYSIS: 1468, 1755-1756, 3763
ACTOMYOSIN: 312, 1757
ACUTE DISEASE: 349, 447, 650, 748, 862, 1105, 1244, 1401, 1435, 1466, 1537, 2386, 2401, 2467, 2617, 2994, 3267, 3375, 3391, 3669, 4012, 4163, 4319, 4336, 4477, 4496
ACYLATION: 96, 1379, 2085
ACYLTRANSFERASES: 31, 1141, 1170, 1665, 1702, 4339
ADAPTATION, BIOLOGICAL: 153
ADAPTATION, PHYSIOLOGICAL: 673, 919, 1656, 1788, 1877, 2486, 3289, 3669, 3993, 4466, 4664
ADAPTATION, PSYCHOLOGICAL: 534, 559
ADDISON'S DISEASE: 934, 1294, 1820, 1891, 2230, 2557, 3794, 4117, 4172, 4242, 4389, 4688
ADENINE: 1015, 1104, 1362, 1556, 2481, 2932, 3951, 3954, 4427
ADENINE NUCLEOTIDES: 251, 561, 2139, 3024, 3225
ADENOCARCINOMA: 22, 59, 98, 101, 333, 394, 484, 563, 802, 822, 883, 904, 1017, 1032, 1049, 1206, 1229, 1380, 1853, 2011, 2029, 2079, 2125, 2499, 2687, 2763, 3164, 3193, 3363, 3388, 3393, 3818, 3863, 4129, 4177, 4210, 4418, 4446, 4486, 4511, 4515, 4570, 4767
ADENOCARCINOMA, PAPILLARY: 155, 802, 1035, 3829, 3864
ADENOFIBROMA: 1678, 3863, 4177
ADENOIDECTOMY: 4280
ADENOIDS: 2629
ADENOMA: 101, 127, 192, 321, 517, 520, 600, 603, 616, 671, 743, 1083, 1146, 1278, 1305-1306, 1488, 1620, 1821, 1886, 1929, 2008, 2033, 2037, 2046, 2375, 2451, 2491, 2610, 2616, 2694, 2729, 2763, 2781, 2810, 3057, 3164, 3330, 3353, 3493, 3497, 3518, 3523, 3533, 3629, 3831, 3880, 3921, 4095, 4125, 4129, 4501, 4536, 4556, 4651
ADENOMA, BASOPHILIC: 616
ADENOMA, CHROMOPHOBE: 615-616, 1101-1102, 1516, 1670, 1765, 1902, 2912, 3149, 3152, 3214, 3373, 3523, 3580, 3640-3641, 4211
ADENOMA, EOSINOPHILIC: 3639
ADENOMA, VIRILIZING: 4651
ADENOMATOSIS, FAMILIAL ENDOCRINE: 3330
ADENOSINE: 251, 837, 890, 1015, 1139, 1358, 1362, 2139, 2212, 3225, 3268, 3443, 3660, 3951, 3954, 4520
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE: 20, 51, 77, 85-87, 171, 207, 233, 253, 264, 310, 322, 336-337, 353, 358-359, 373, 393, 414, 429-430, 432, 448, 454, 467, 489-490, 502, 530, 537, 561, 567, 575, 602, 608, 614, 629, 637, 688, 706, 710, 730, 781-782, 821, 837, 843, 871, 890, 931, 936, 961-962, 969, 979, 1015, 1066, 1096, 1104, 1124, 1131, 1139, 1144, 1157, 1171, 1201, 1232, 1280, 1299, 1315, 1354, 1358, 1361-1362, 1400, 1459, 1461-1462, 1472, 1519, 1551, 1553, 1555-1556, 1565, 1587, 1619, 1635, 1646, 1672, 1707, 1723, 1757, 1763, 1777, 1799-1801, 1914, 1962, 1989, 2015, 2036, 2038, 2057, 2104, 2123, 2139, 2176, 2178-2179, 2187, 2209, 2212-2213, 2219-2220, 2223, 2228, 2236, 2252, 2258-2259, 2268, 2285, 2336, 2345, 2359-2360, 2384, 2399, 2418, 2421, 2425, 2431-2432, 2453, 2481, 2494-2495, 2497, 2524, 2530, 2557, 2574, 2601, 2605, 2608, 2618, 2627, 2675-2676, 2705, 2747, 2751, 2756, 2759, 2786, 2823, 2845, 2853, 2858, 2908-2908, 2932, 2950, 2967, 2974, 3000, 3069, 3089, 3119, 3133, 3163, 3168-3169, 3199, 3211, 3221, 3228, 3248, 3266, 3268, 3292-3293, 3318, 3343, 3386, 3411, 3427, 3440, 3443, 3456, 3472, 3485, 3498, 3500-3501, 3504, 3522, 3537, 3554, 3559, 3573, 3599, 3610, 3613, 3615, 3660-3661, 3670, 3680-3681, 3724, 3747-3749, 3751, 3774, 3796, 3798, 3803, 3808, 3842, 3860, 3862, 3897, 3904, 3923-3924, 3943, 3954, 3986-3987, 4002, 4032, 4048, 4061-4063, 4104, 4127, 4158, 4168, 4175, 4180, 4213, 4227, 4241, 4265-4266, 4287, 4350-4351, 4399, 4427, 4459, 4469, 4493, 4503, 4508, 4520, 4557, 4565, 4599, 4609, 4626, 4678, 4706, 4709, 4713, 4735, 4742, 4793
ADENOSINE DIPHOSPHATE: 27, 432, 694, 736, 1421, 1723, 1757, 2051, 2187, 2813, 3392, 3481, 3561, 3577, 3660, 3667, 3723, 3774, 3803, 3924, 3951, 4704
ADENOSINE MONOPHOSPHATE: 27, 781, 1129, 1157, 1362, 1428, 1721, 1777, 2017, 2139, 2236, 2360, 2431-2432, 3225, 3392, 3439, 3443, 3842, 4562
ADENOSINE TRIPHOSPHATASE: 17, 76, 280, 312, 471, 887, 916, 1076, 1146, 1565, 1639, 1757, 1872, 1921, 2051, 2174, 2213, 2221, 2431-2432, 2734-2735, 2759, 3008, 3225, 3294, 3392, 3614, 3784, 3986, 4031, 4041, 4075, 4168, 4230, 4309, 4328, 4615
ADENOSINE TRIPHOSPHATE: 27, 85-87, 144, 187, 202, 233, 387, 448, 471, 489, 531, 674, 706, 781, 852, 890, 1076, 1129, 1146, 1157, 1399, 1587, 1672, 1723, 1757, 1777, 1786, 1845, 1900, 2017, 2051, 2123, 2187, 2213, 2228, 2360, 2497, 2524, 2734, 2813, 2851, 2950, 3144, 3225, 3386, 3392, 3443, 3472, 3481, 3504, 3537, 3573, 3700, 3765, 3774, 3784, 3787, 3803, 3858, 3904, 3986-3987, 4078, 4361, 4419, 4427, 4520, 4599, 4669, 4673
ADENOVIRUS: 2232, 3811
ADENYL CYCLASE: 87, 144, 231, 292, 332, 340-341, 353, 387, 432, 454, 490, 503, 531, 537, 637, 706, 730, 767, 837, 907, 916, 931, 969, 1018, 1066, 1146, 1191, 1299, 1361, 1449, 1471-1472, 1491, 1587, 1643, 1672, 1786, 1795, 1801, 1962, 2040, 2176, 2213, 2228, 2236, 2359, 2399, 2480-2481, 2618, 2676, 2678, 2759, 2867, 2952, 3133, 3163, 3168, 3215, 3268, 3290, 3386, 3472, 3537, 3680, 3698, 3747, 3780, 3858, 3860, 3923, 3943, 4063, 4168, 4265, 4301, 4350, 4399, 4427, 4459, 4508, 4657, 4678, 4735
ADHESIONS: 1744
ADIPIC ACID: 867, 2267
ADIPOSE TISSUE: 39, 279, 292, 347, 434, 489, 537, 575, 604, 767, 811-812, 907, 936, 961-962, 1015, 1104, 1113, 1128, 1232, 1235, 1361, 1417, 1472, 1506, 1572, 1587, 1643, 1900, 2123, 2268, 2336, 2454, 2494, 2658, 2661, 3006, 3081, 3096, 3187, 3452, 3732, 3783, 3860, 3865, 3946, 3979, 3982, 4061, 4109, 4271, 4348, 4460, 4503, 4537, 4557, 4589, 4799
ADJUVANTS, IMMUNOLOGIC: 54, 454, 642, 915, 2722, 3992
ADMINISTRATION, ORAL: 102, 214, 320, 330, 467, 483, 488, 498, 500, 511, 523, 545, 822, 859, 942, 950, 1054, 1072, 1193, 1198, 1273, 1281, 1303, 1363, 1377, 1508, 1614, 1705, 1943, 1979, 2001, 2194, 2281, 2293, 2404, 2490, 2604, 2646, 2649, 2664, 3009, 3136, 3158, 3240, 3263, 3387, 3417, 3486, 3577, 3687, 3721, 3869, 4042, 4161, 4200, 4205, 4323, 4412, 4442, 4534, 4618, 4625, 4660, 4688, 4744
ADNEXAL DISEASES: 252, 2237, 3906
ADNEXITIS: 3376, 3815
ADOLESCENCE: 2, 6, 14, 21-22, 35, 38, 99, 104, 109, 122, 127, 132, 137, 139, 148, 152, 154, 183, 197, 226, 242-243, 246, 271, 275-276, 285, 288, 306, 319, 333, 357, 364, 369, 383, 389, 412, 417, 450, 464, 466-467, 480, 488, 510-511, 515, 541, 549, 554, 584, 590, 594, 597, 609, 634-635, 638-640, 643, 655, 658, 661, 670, 675, 703, 714, 731, 751, 754-755, 768, 778, 832-834, 844, 858, 861, 876, 886, 900, 903, 921, 923, 945, 951, 953, 960, 963-964, 967, 980, 989, 1012, 1022, 1035, 1064, 1073, 1076, 1101, 1105, 1113, 1120, 1140, 1151, 1157, 1159-1160, 1183, 1187, 1192, 1210, 1224, 1228-1229, 1238, 1244, 1253, 1262-1263, 1286, 1307, 1323, 1331, 1357, 1361, 1365, 1367, 1381, 1414, 1424, 1440, 1470, 1484, 1489, 1498, 1527, 1531, 1554, 1589, 1603, 1605, 1631, 1640, 1645, 1703-1704, 1716, 1733, 1738-1739, 1771, 1813, 1827, 1831, 1837, 1860, 1865, 1880-1881, 1887, 1900, 1904, 1911, 1919, 1933, 1936, 1939-1940, 1943, 1972, 1987, 1995, 1998, 2023, 2054, 2059-2060,

2087-2088, 2101, 2112, 2114, 2117, 2119, 2146, 2173, 2182, 2193, 2215, 2222, 2227, 2229, 2245, 2249, 2269, 2290-2291, 2319, 2332, 2343, 2361, 2373, 2392, 2422-2423, 2440-2441, 2445, 2448-2449, 2460, 2465, 2481, 2490, 2520, 2536, 2561, 2569, 2639-2640, 2645, 2660-2661, 2673, 2689, 2701, 2729-2730, 2738, 2756, 2763, 2774, 2791, 2793-2794, 2803, 2809, 2818, 2822, 2826, 2831, 2838, 2854, 2861-2862, 2879, 2881, 2894, 2897, 2922-2923, 2954, 2957, 2979, 2982, 2993-2994, 2999, 3004-3005, 3020, 3025, 3035, 3038, 3049, 3054, 3064, 3087, 3123, 3149, 3152, 3166, 3170, 3189-3190, 3200, 3207, 3217, 3234, 3246, 3254, 3256, 3260, 3277, 3296-3297, 3302, 3321, 3327, 3331-3332, 3340, 3374, 3376, 3379, 3383, 3409, 3421, 3438-3439, 3454, 3469, 3480, 3495, 3568-3569, 3584, 3587-3588, 3597, 3614, 3616, 3618, 3642, 3650, 3656, 3659, 3664, 3684, 3714, 3733, 3737, 3763, 3768, 3782, 3805, 3812, 3831, 3834, 3839, 3850, 3866, 3879, 3882, 3892, 3910, 3912, 3918, 3949, 3959, 3970, 3989, 4015, 4020, 4035, 4038
4049, 4055, 4059, 4077, 4092, 4122, 4151, 4158, 4160, 4163, 4190, 4201, 4221, 4229, 4245, 4283, 4304, 4306, 4318, 4323, 4333, 4343, 4352-4353, 4383, 4385, 4388, 4398, 4410, 4421-4422, 4431, 4439, 4448, 4468, 4481, 4486, 4496, 4501, 4523, 4525, 4528, 4551, 4559, 4562, 4573, 4598, 4600, 4603, 4624, 4646, 4675, 4690, 4701, 4725, 4740, 4747, 4788, 4804

ADOLESCENT PSYCHIATRY: 3035

ADOLESCENT PSYCHOLOGY: 923

ADRENAL CORTEX HORMONES: 27, 43, 45, 55, 122, 132, 153, 185, 220, 288, 302, 349, 383, 453, 482, 488, 534, 539, 549, 604, 619, 658, 672, 729, 851, 876, 926-927, 992, 1030, 1068, 1088, 1144, 1261, 1280, 1334, 1339, 1372, 1393, 1436, 1443, 1511, 1544, 1554, 1560, 1611, 1634, 1661, 1710, 1756, 1847, 1864, 1878, 1940, 1943, 1951, 1963, 1970, 1998, 2113, 2176, 2186, 2193, 2238, 2250, 2330, 2339, 2370, 2401, 2494, 2514, 2538, 2560, 2573, 2629, 2641, 2644, 2690, 2755, 2769, 2803, 2881, 2883, 2940, 2964, 3032, 3327, 3374, 3425, 3446, 3467, 3478, 3483, 3520, 3552, 3563, 3596, 3627, 3702, 3712, 3714-3715, 3741, 3770, 3773, 3793-3794, 3804-3805, 3855, 3915, 3963, 3975, 4046, 4055-4056, 4172, 4224, 4269, 4278, 4304, 4336, 4375, 4481, 4510, 4529, 4583, 4591, 4641, 4646, 4731, 4734, 4745, 4756, 4760, 4785

ADRENAL CORTICAL REST TUMOR: 539, 1359, 1467, 2155

ADRENAL GLAND DISEASES: 240, 672, 894-895, 1123, 1149, 1894, 1975, 2008, 2087, 2163, 2183, 2684, 2796, 2940, 3506, 3540, 4000, 4106, 4172, 4748

ADRENAL GLAND HYPERFUNCTION: 1079, 1365, 1406, 2037, 2215, 2597, 2923, 3270, 3473, 3594, 4208

ADRENAL GLAND HYPOFUNCTION: 166, 747, 880, 1207, 2155, 2289, 3104, 3302, 3309, 4304

ADRENAL GLAND NEOPLASMS: 143, 539, 771, 840, 894-895, 955, 1000, 1017, 1109, 1238, 1253, 1263, 1305, 1322-1323, 1467, 1504, 1589, 1670, 1849, 1866, 1975, 2008, 2033, 2037, 2155, 2383, 2451, 2610, 2694, 2719, 2836, 3057, 3190, 3270, 3371, 3388, 3473, 3493, 3498, 3533, 3856, 4172, 4236, 4317, 4519, 4536, 4603, 4651, 4725, 4734

ADRENAL GLANDS: 16-17, 36, 39, 50-51, 57, 99, 124, 215, 222, 240, 268, 288, 307-308, 319, 331, 338, 345-346, 416, 427, 555, 557, 595, 606, 849, 677, 681, 883, 891, 775, 819, 849, 873, 894, 921, 926-927, 929, 954, 977, 1007, 1017, 1070, 1079, 1100-1101, 1113, 1121, 1144, 1248, 1253, 1275, 1280, 1286, 1315, 1376, 1401, 1407, 1424, 1437, 1442-1443, 1458, 1464, 1482, 1554, 1557, 1590, 1614, 1652, 1671, 1676, 1682, 1726, 1750, 1778, 1781, 1812, 1847, 1853, 1877, 1884, 1909, 1974-1975, 1993, 2023, 2035, 2045, 2056, 2058, 2062, 2070, 2074, 2083, 2092-2093, 2108, 2113, 2120, 2129, 2149-2151, 2159, 2162, 2168, 2195, 2212, 2318, 2327, 2355, 2370, 2387, 2389, 2407, 2427-2428, 2451, 2454-2455, 2472, 2474, 2482, 2501, 2507, 2517-2518, 2580, 2595, 2597, 2610, 2622, 2636, 2641, 2670, 2695, 2714, 2717-2719, 2732, 2782, 2772, 2777-2778, 2785, 2790, 2836, 2865, 2873, 2897, 2921, 2941, 2958, 2964, 2969, 2995, 3003, 3005, 3033, 3056, 3125, 3194, 3202-3203, 3271, 3274, 3283, 3314, 3323, 3336, 3408, 3415, 3486, 3498, 3534, 3539-3540, 3579, 3595, 3599, 3606, 3609, 3627, 3636, 3662, 3700, 3722, 3764, 3773, 3794, 3814, 3821, 3830, 3856, 3861, 3867, 3874-3875, 3878, 3887, 3901, 3928, 3937-3938, 3952, 3960, 3979, 3981, 3992, 3999, 4011, 4031, 4035, 4038, 4046, 4074, 4115, 4123, 4140, 4152, 4194-4195, 4198, 4237, 4258, 4262, 4268, 4287, 4293, 4362, 4376, 4384, 4411, 4470, 4488, 4499-4500, 4510, 4536-4537, 4539, 4572, 4658, 4671, 4726-4727, 4735, 4738, 4794

ADRENAL MEDULLA: 415, 476, 579, 681, 865, 1261, 1676, 1849, 2427, 2635, 2704, 2933, 3001, 3324, 3966-3967, 4253

ADRENALECTOMY: 16-17, 160, 166, 185, 346, 509, 656, 682-683, 691, 840, 891, 1007, 1083, 1374, 1376, 1589-1590, 1847, 1974, 1992, 2008, 2021, 2062, 2129, 2154-2155, 2162, 2168, 2251, 2355, 2387, 2407, 2454, 2495, 2507, 2566, 2595, 2622, 2663, 2670, 2722, 2865, 2941, 2946, 2981, 2990, 3002-3003, 3202, 3271, 3283, 3328, 3336, 3341, 3453, 3539, 3561, 3662, 3687, 3901, 3928, 3992, 3999, 4115, 4121, 4140, 4179, 4200, 4222, 4242, 4262, 4268, 4362, 4376, 4488, 4499, 4537, 4734-4735, 4738

ADRENERGIC ALPHA RECEPTOR AGONISTS: 164, 1522, 2970, 3215

ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 164, 837, 1280, 1289, 1522, 1874, 2270, 2494, 3981, 4086, 4529, 4745

ADRENERGIC BETA RECEPTOR AGONISTS: 164, 340, 706, 1859, 1940, 2441, 2883, 3215, 3760, 4641

ADRENERGIC BETA RECEPTOR BLOCKADERS: 326, 331, 496, 1234, 1280, 1289, 1959, 2270, 2379, 2494, 3017, 3215, 3286, 3780, 3959, 3981, 4266, 4467, 4713

ADRENOCHROME: 1285, 1616, 2136, 4359

ADRENOGENITAL SYNDROME: 327, 365, 955, 1443, 1558, 1846, 4164, 4685, 4765

ADRIAMYCIN: 1435

ADSORPTION: 1060, 1675, 1696, 2324, 2415, 3072, 3344, 3666, 3936, 4279

ADULT: 1-2, 6, 9, 14, 18, 21-22, 29, 35, 38, 45, 48, 53, 58, 64, 73, 91, 99, 102, 106, 109, 112-113, 117, 120, 122, 127, 132, 136, 138, 154, 156, 168, 172-173, 177, 183, 191, 197, 200-201, 210, 221, 226, 228, 232, 237, 242-243, 271, 276, 281, 283, 285, 303, 307-309, 333, 344, 348, 357, 364, 378, 394-396, 398-400, 405, 409-410, 412, 417, 426, 433, 435, 440-441, 447, 449-450, 453, 456, 459, 461, 464, 466-467, 476, 478-480, 482, 498, 510-511, 514-515, 526, 544, 549-550, 552, 554, 560-561, 567-569, 581, 583-584, 588, 590, 594, 597, 613, 615-616, 618, 623, 635, 640, 649-650, 657-658, 661, 664, 666, 670-671, 675, 685, 695, 697-698, 709, 714, 719, 731, 739, 743, 745-746, 751-755, 758, 761, 778, 794, 797, 799-800, 802, 809, 824, 826-827, 829, 833, 840, 844, 855, 858, 862, 865, 869, 880-881, 883, 886, 888, 895, 897, 899, 902-903, 912, 918, 920, 928, 930, 935, 951, 953, 957, 960, 964, 967, 970, 980-981, 984, 989, 993, 1001, 1010-1011, 1019, 1022, 1031, 1036, 1038, 1040-1041, 1045, 1056, 1064, 1072-1073, 1082, 1094-1095, 1101-1103, 1105, 1110, 1116, 1120, 1134, 1140, 1145, 1151, 1155, 1157, 1160, 1164, 1178, 1183, 1185, 1187-1188, 1210-1211, 1224, 1226, 1228-1229, 1238, 1243, 1246, 1251, 1253, 1264, 1271-1272, 1286, 1298, 1300, 1307, 1319, 1322-1323, 1327, 1330-1331, 1359, 1363, 1365, 1380-1382, 1386, 1390, 1393, 1397, 1406, 1408, 1410, 1414, 1416, 1424, 1427, 1435, 1440, 1450, 1453, 1457, 1464, 1472, 1477, 1485, 1489, 1498, 1517, 1521, 1527, 1531, 1534-1535, 1541, 1544, 1564, 1575, 1589, 1591, 1593, 1597, 1599, 1603, 1607, 1611, 1625, 1640, 1642, 1649, 1658, 1678, 1703, 1706, 1715-1716, 1729, 1732-1733, 1738-1739, 1744, 1746, 1755-1756, 1758, 1765, 1771, 1794, 1803, 1810-1811, 1819, 1821, 1825-1827, 1831, 1836-1837, 1849-1850, 1863, 1865, 1880-1881, 1886, 1900-1902, 1904, 1912, 1919-1920, 1939, 1943, 1965, 1967, 1972-1973, 1975, 1985, 1995, 2000, 2008, 2010, 2021-2023, 2046-2047, 2054, 2056, 2059-2060, 2071, 2087, 2097, 2102, 2105, 2109
2112-2114, 2117, 2125-2126, 2137, 2147, 2155, 2159, 2173, 2182, 2193, 2199-2201, 2205-2206, 2211, 2215, 2222, 2231, 2237, 2239, 2242, 2245-2246, 2249-2250, 2277, 2279, 2287, 2291, 2297, 2314, 2317, 2319, 2330-2332, 2339, 2343, 2354-2355, 2361, 2367, 2373, 2378, 2380-2381, 2384, 2386, 2398, 2401, 2416-2417, 2420, 2422, 2438, 2440-2441, 2443, 2460, 2464-2465, 2467, 2481, 2483, 2485, 2490, 2492-2493, 2503, 2510-2511, 2521, 2542, 2560-2561, 2568-2569, 2602, 2604, 2610-2611, 2616, 2621, 2627, 2631-2634, 2638-2639, 2642, 2644-2645, 2648-2649, 2660-2661, 2669, 2673, 2677, 2680-2682, 2687, 2699-2702, 2709, 2715-2716, 2725, 2729-2730, 2756-2758, 2763, 2769, 2771, 2774, 2776, 2787-2788, 2794, 2801, 2809-2810, 2818-2819, 2822, 2827, 2830-2831, 2836-2837, 2842, 2844, 2846-2848, 2854-2855, 2871, 2879, 2881, 2883, 2888, 2894, 2896-2897, 2905, 2913, 2917-2918, 2922, 2930, 2935, 2938, 2944, 2951, 2954, 2956-2957, 2979, 2982, 2993-2994, 2999, 3004-3006, 3008-3009, 3019-3020, 3025, 3028, 3038, 3052, 3054, 3064, 3074, 3083, 3087, 3092, 3116, 3123-3124, 3129-3130, 3137, 3146, 3149, 3152, 3161-3162, 3164-3166, 3170, 3177, 3182, 3184, 3189-3190, 3196, 3213-3214, 3217, 3219, 3231, 3243, 3251, 3256, 3260, 3273, 3277, 3282, 3286-3287, 3295-3298, 3302, 3321, 3327, 3330-3332, 3334, 3340, 3363, 3372-3374, 3376, 3379, 3383, 3385, 3389, 3391, 3397-3398, 3409, 3421, 3431-3432, 3438-3439, 3441, 3458, 3469, 3476, 3479, 3483, 3487, 3491, 3497, 3505, 3509, 3523, 3525, 3539, 3544, 3547, 3552, 3558, 3567-3570, 3582, 3587, 3594, 3597-3598, 3600, 3614, 3634, 3640, 3642, 3650, 3656, 3658-3659, 3665, 3668, 3677, 3685, 3714, 3726, 3737, 3745, 3749-3750, 3761, 3763, 3768, 3776-3777, 3794-3795, 3805, 3815, 3821, 3829, 3831, 3835, 3839-3840, 3844-3846, 3848, 3850, 3853, 3855, 3857, 3866, 3879, 3882, 3892, 3905, 3907, 3910, 3914-3915, 3918, 3920, 3928-3930, 3932, 3945, 3947, 3949-3950, 3959, 3968, 3975, 3983-3984, 3989-3990, 3994, 4006, 4014-4015, 4020-4021, 4038, 4047
4049-4050, 4056-4057, 4091-4093, 4103, 4110-4111, 4117, 4122, 4125, 4128-4129, 4133, 4143, 4160-4161, 4163, 4168, 4174, 4178, 4181, 4183, 4190, 4196, 4208, 4211, 4220-4221, 4225-4226, 4229, 4235-4236, 4245, 4248, 4255, 4260-4261, 4270, 4277, 4288, 4291, 4299, 4306, 4312, 4316, 4318-4319, 4333-4334, 4340-4341, 4352, 4357, 4367, 4377-4378, 4383, 4385-4387, 4394, 4398, 4401, 4410, 4421, 4436, 4439, 4445, 4448, 4468, 4473, 4475-4476, 4481, 4486-4487, 4496, 4501, 4513-4514, 4523, 4525, 4528, 4530-4533, 4551, 4553, 4558, 4560, 4562-4563, 4566, 4570, 4573, 4587, 4591-4592, 4598, 4603, 4611-4612, 4624, 4643, 4646, 4650-4652, 4655-4656, 4660, 4666-4667, 4685, 4688, 4700-4702, 4704, 4712, 4716-4718, 4725, 4740, 4743, 4754, 4756, 4769-4770, 4778-4779, 4788, 4791, 4794

AEDES: 1510, 4728

AEROBACTER: 1602

AEROBIOSIS: 2899, 3403, 4136, 4272, 4466, 4684

AEROSOLS: 488, 1031, 1271, 1829, 3199, 3302, 3571, 4641

AET: 1753

AFFECT: 2076, 3043, 4352

AFFECTIVE DISTURBANCES: 136, 630, 1318, 2119, 2193, 2229, 3882

AFIBRINOGENEMIA: 2291

AFLATOXIN: 2990-2991

AFRICA: 4357

AFTER CARE: 4209

AGAMMAGLOBULINEMIA: 211, 246, 2008, 2289, 2445, 3712, 4675, 4746

AGAR: 3670

AGE DETERMINATION BY SKELETON: 418-419, 3406, 3654

AGE FACTORS: 43, 47-48, 105, 116, 144, 146, 183, 197, 243, 249, 271, 311, 324, 381, 402, 502, 550, 559, 584, 615, 624, 661-663, 675, 703, 726, 729, 803, 813, 824, 897, 903, 967, 981, 997, 1026, 1050, 1072, 1114, 1121, 1125, 1147, 1159, 1213, 1216, 1219, 1221, 1229, 1238, 1245, 1284, 1394, 1414, 1451, 1484, 1490, 1584, 1589, 1678, 1702, 1744, 1788, 1885, 1887-1888, 1892, 1899, 1947, 1962, 2021-2022, 2112, 2128, 2158, 2194, 2222, 2224, 2226-2227, 2229, 2238, 2243, 2289-2290, 2314, 2373, 2420, 2433, 2468, 2503, 2509, 2526, 2551, 2569, 2575, 2581, 2594, 2619, 2677, 2763-2764, 2793, 2820-2821, 2854-2855, 2859, 2896, 2922, 2980, 3028, 3045, 3140-3141, 3189, 3251, 3254, 3257, 3269, 3277, 3297, 3315, 3317, 3356, 3362, 3381, 3386, 3389, 3467, 3480, 3495, 3568, 3588, 3614, 3618, 3654, 3714, 3763, 3792, 3853, 3896, 3912, 3931, 3952, 3968-3967, 3972, 3987, 4007, 4056, 4077, 4085, 4091, 4094, 4111, 4139, 4190, 4357, 4383, 4439, 4446, 4448, 4454, 4465, 4476-4477, 4481, 4501, 4515, 4525, 4530, 4551, 4566, 4581, 4600, 4624, 4628, 4632, 4640, 4690, 4723-4724, 4730, 4779

AGED: 6, 11, 21-22, 35, 44-46, 53, 59, 95, 109, 122, 127, 154, 183, 197, 200, 221, 232, 234, 271, 296, 307-308, 333, 364, 394, 400, 412, 446, 453, 456, 480, 482, 494, 514, 516, 549, 552, 560-561,

SUBJECT INDEX

658, 661, 670, 685, 701, 708, 747, 758, 802, 815, 824, 833, 841, 858, 869, 882-883, 897, 903, 905, 920, 928, 932, 953, 957, 984, 987, 993, 1010, 1032, 1036, 1045, 1072, 1090, 1094, 1120, 1125, 1185, 1210, 1213, 1229, 1251, 1271, 1327, 1331-1332, 1338, 1365-1366, 1380, 1382, 1386, 1395, 1401, 1408, 1414, 1424, 1440, 1450, 1457, 1472, 1477, 1490, 1521, 1547-1548, 1599, 1603, 1678, 1706, 1729, 1810-1811, 1821, 1836, 1865, 1880, 1888, 1892, 1901, 1920, 1929, 1943, 1972, 1995, 2011, 2022, 2029-2030, 2046, 2102, 2108, 2113, 2125, 2133, 2137-2138, 2169, 2206, 2210, 2222, 2238, 2245, 2250, 2254, 2330-2331, 2339, 2356, 2378, 2380-2381, 2384, 2422, 2460, 2465, 2468, 2471, 2483, 2485, 2490, 2493, 2499, 2552, 2562, 2569, 2584, 2602, 2621, 2632, 2638, 2673, 2687, 2699-2701, 2710, 2729, 2756, 2763, 2766, 2776, 2787, 2817, 2840, 2871, 2881, 2905, 2951, 2979, 2994, 2999, 3004, 3010, 3028, 3083, 3116, 3123, 3130, 3137, 3149, 3152, 3162, 3164, 3189, 3196, 3213-3214, 3234, 3251, 3261, 3296-3297, 3302, 3330, 3332, 3358, 3363, 3373, 3389, 3421, 3441, 3479, 3521, 3552, 3567, 3570, 3578, 3597, 3640, 3642, 3659, 3685, 3750, 3763, 3777, 3805, 3844, 3850, 3892, 3910, 3917, 3930, 3945, 3989-3990, 4000, 4006-4007, 4049, 4065, 4068, 4085, 4091, 4094, 4121, 4150, 4163, 4174, 4182, 4190, 4255, 4261, 4281, 4319, 4323, 4333, 4369, 4386, 4398, 4445, 4448, 4464, 4476, 4486, 4496, 4501, 4515-4516, 4528, 4551, 4566, 4646, 4655, 4666-4667, 4688, 4691, 4712, 4777, 4783, 4800

AGGLUTINATION: 4241
AGGLUTINATION TESTS: 4292
AGGLUTININS: 153, 2688
AGGRESSION: 538, 630, 696, 896, 1287, 1580, 1594, 1880, 1947, 2066, 2281, 2857, 2910, 3043, 3173, 3269, 4166, 4338, 4358, 4443
AGING: 96, 503, 921, 1245, 1424, 1548, 1603, 1665, 1702, 1876, 2025, 2144, 2551-2552, 2871, 3160, 3165, 3494, 3597, 3744, 4149, 4508, 4735, 4797
AGRANULOCYTOSIS: 291, 1106, 1435, 4333, 4541, 4771
AIR: 366
AIR POLLUTION: 2920, 4438
AIR POLLUTION, RADIOACTIVE: 2295
AIRWAY OBSTRUCTION: 450, 1271, 2629, 2930, 3970, 4576
AIRWAY RESISTANCE: 195, 951, 988, 1829, 3199, 3375
AJMALINE: 1195
AKINETIC MUTISM: 4291
ALANINE: 1175, 1576, 1723, 2034, 2585, 2841, 3110, 3316, 3453
ALANINE AMINOTRANSFERASE: 97, 734, 1343, 1466, 2308, 3764, 4340
ALBERTA: 803
ALBINISM: 2290, 4329
ALBUMINS: 290, 612, 728, 962, 986, 1088, 1938, 2130, 2408, 3586
ALBUMINURIA: 761, 2163, 3812
ALCALIGENES: 1602
ALCOHOL DRINKING: 41, 3125, 4492
ALCOHOL, ETHYL: 355, 380, 404, 457, 577, 636, 657, 795, 888, 909, 1078, 1398, 1592, 1686, 1910, 2303, 2345, 2424, 2437, 2882, 2939, 3040, 3062, 3125, 3324, 3327, 3586, 3597, 4451, 4458, 4492, 4626, 4782
ALCOHOL, METHYL: 657, 668, 4584
ALCOHOL OXIDOREDUCTASES: 363, 867, 1288, 2038
ALCOHOL, PROPYL: 1663, 2228
ALCOHOLISM: 41, 664, 2312, 2725, 2917, 3468, 3891, 4049, 4782
ALCOHOLS: 519, 1052, 2174, 4602
ALCOHOLS, AMYL: 3927
ALCOHOLS, BUTYL: 1018
ALDEHYDE OXIDOREDUCTASES: 4488
ALDEHYDES: 653, 1077, 3029, 4335
ALDOLASE: 27, 75, 3255, 3746
ALDOSTERONE: 3, 258, 266, 268, 304, 308, 325, 456, 514-515, 581, 656, 728, 756-757, 873-874, 941, 954, 976, 1144, 1169, 1199, 1253-1256, 1290, 1323, 1376, 1407, 1443, 1464, 1554, 1715, 1784, 2022, 2033, 2037, 2058, 2109, 2129, 2168, 2257, 2266, 2317, 2320, 2440, 2512, 2535, 2610, 2620, 2636, 2641, 2668, 2836, 2984, 2983, 3056, 3076, 3084, 3092-3093, 3116, 3147, 3208, 3233, 3339, 3350, 3410, 3493, 3891, 3928, 3960, 3983, 3986, 4024, 4101, 4133, 4181, 4186, 4200, 4219, 4260, 4286-4287, 4326, 4332, 4371, 4386, 4402-4403, 4484, 4510
ALDRICH SYNDROME: 246, 1415, 4329, 4746
ALGINATES: 4231
ALKALIES: 1434
ALKALINE PHOSPHATASE: 17, 97, 206, 293, 328, 449, 618, 664, 734, 749, 760, 858, 871, 899-900, 905, 1165, 1188, 1249, 1363, 1439, 1485, 1663-1664, 1703, 1770, 1818, 1872, 1892, 1977, 2034, 2042, 2166, 2202, 2228, 2332, 2422-2423, 2431, 2513, 2765, 2805, 3019, 3275, 3329, 3588, 3602, 3691, 3775, 4103, 4193, 4254, 4340, 4448, 4479, 4545, 4591, 4624, 4668
ALKALOIDS: 3651, 4218
ALKALOSIS: 2233, 3410, 4181
ALKANES: 1858, 4689
ALKENES: 305, 1052-1053, 1447, 4425
ALKYLATING AGENTS: 2405, 3257
ALKYLATION: 75, 121, 608, 699, 2583, 3018, 3378, 4502
ALKYNES: 3514
ALLELES: 470, 1066, 1787, 2903, 3121, 3180, 3471, 4058
ALLERGENS: 1940, 2418
ALLIED HEALTH PERSONNEL: 643
ALLOPURINOL: 2817, 3521, 4231
ALLOSTERIC REGULATION: 1721, 1723
ALLOXAN: 812
ALLOXAN DIABETES: 27, 810, 1260, 1908, 2318, 2934, 4428
ALLOYS: 4623
ALLYL COMPOUNDS: 338, 2501, 3079, 4040, 4097, 4292
ALOPECIA: 6, 745, 2600, 2922, 4398
ALOPECIA AREATA: 2922, 3736
ALPHA GLOBULIN: 154, 545, 795, 986, 1353, 2412, 4451
ALPHA RHYTHM: 1080
ALPHAPRODINE: 42
ALPRENOLOL: 331, 3017
ALTITUDE: 1534, 1715, 3598
ALUMINUM: 2213, 4412
ALUMINUM HYDROXIDE GEL: 1281, 2278, 3429
ALVEOLAR PROCESS: 1129
AMANTADINE: 446, 2281, 2299, 2952
AMAUROTIC FAMILIAL IDIOCY: 1925
AMBULATORY CARE: 1729, 1878, 2021, 3782, 4093, 4641
AMBYSTOMA: 1604, 2342
AMELOBLASTS: 2062
AMENORRHEA: 70, 99, 283, 405, 437, 499, 554, 755, 827, 902, 935, 970, 1286, 1359, 1597, 1607, 1825, 1827, 2019, 2059-2060, 2182, 2199, 2317, 2449, 2542, 2702, 2838, 2896, 3277, 3295, 3536, 3555, 3638, 3677, 3906, 3953, 4208, 4314, 4377
AMERICIUM: 3819
AMIDES: 1087, 1961, 2179, 2724, 3171, 4644
AMIDINES: 83, 97, 3503, 4644
AMIDOHYDROLASES: 688
AMILORIDE: 2705
AMINES: 209, 654, 884, 922, 1002, 1014, 1077, 1412, 1428, 1615, 1623, 1647, 1663, 1840, 1960, 1983, 2552, 3238, 3370, 3503, 3683, 3757, 3967, 4280, 4404-4405, 4633-4635
AMINO ACID ACTIVATION: 1505
AMINO ACID METABOLISM, INBORN ERRORS: 437, 3801, 4073, 4164, 4244
AMINO ACID SEQUENCE: 75, 90, 351, 699, 916, 1078, 1371, 1445, 1461, 1544, 1651, 1961, 2034, 2409, 2798, 2878, 3067, 3132, 3671, 3679, 3800, 4663, 4715
AMINO ACIDS: 15, 75-76, 96, 121, 207, 351, 654, 794, 1070, 1078, 1088, 1098, 1163, 1201, 1261, 1371, 1388, 1497, 1573, 1628, 1651, 1684, 1767, 1810, 1833, 1889, 1961, 1981, 2034, 2106, 2384, 2390, 2404, 2409, 2458, 2530, 2561, 2735, 2841, 2878, 2939, 2944, 3018, 3023, 3067, 3098-3099, 3110, 3134-3135, 3157, 3289, 3316, 3323, 3400, 3450, 3503, 3586, 3661, 3683, 3686, 3799, 3903, 3982, 4003, 4096, 4218, 4244, 4328, 4348, 4432, 4453, 4478, 4538, 4645, 4797
AMINO ACYL T RNA SYNTHETASES: 96, 2458
AMINO ALCOHOLS: 326, 1052-1054, 2441, 4266
AMINO SUGARS: 1721, 2041, 2149-2151
AMINOBENZOIC ACID: 1155
AMINOBUTYRIC ACID: 241, 1358, 1398, 1434, 1576, 1786, 2303, 2707, 2748, 3316, 3404, 3985, 4218
AMINOCAPROIC ACID: 748, 3024, 3293, 4236
AMINOGLUTETHIMIDE: 926, 1171, 2897, 3867
AMINOHIPPURIC ACID: 952
AMINOISOBUTYRIC ACID: 202, 352, 4586
AMINOLEVULINIC ACID DEHYDRATASE: 687
AMINOPEPTIDASES: 1249, 1445, 2878, 3275, 3926
AMINOPHYLLINE: 77, 353, 1525, 1859, 2236, 2259
AMINOPROPIONITRILE: 2579, 3628
AMINOPTERIN: 1190
AMINOPYRINE: 1622, 1838-1839
AMINOPYRINE N-DEMETHYLASE: 2002, 3832
AMINOTRANSFERASES: 241, 3016, 3494, 4031, 4163
AMITRIPTYLINE: 3662, 4305
AMMONIA: 1098, 1438, 3157, 4103, 4200, 4417
AMMONIA-LYASES: 1124
AMMONIUM CHLORIDE: 2649, 4103, 4200
AMMONIUM COMPOUNDS: 657, 1023, 1301, 1487, 1506, 1727, 1982, 2530, 2546, 2651, 3936
AMMONIUM SULFATE: 356, 789, 1617, 2274, 2360, 3976, 4227, 4279, 4371, 4584
AMNESIA: 200
AMNIOCENTESIS: 1064, 2441, 2942, 3471, 4765
AMNION: 463, 1064, 1807, 1919, 2954, 3900
AMNIOTIC FLUID: 60, 169, 278, 464, 591, 712, 750, 777, 805, 964, 1385, 1881, 1953, 2031, 2333, 2424, 2441, 2884, 2942, 3198, 3264, 3650, 3837, 4256, 4555, 4694
AMOBARBITAL: 558, 1967
AMPHETAMINE: 297, 646, 667, 884, 1142, 1357, 1793, 2068, 2546, 3102, 3491, 3747, 4435
AMPHIBIA: 76, 96, 1604, 1760, 2856, 3565, 3590, 3833
AMPHOTERICIN B: 291, 762, 2344, 3914, 3986, 4369
AMPICILLIN: 526, 2448, 4316, 4396
AMPLIFIERS: 1304
AMPROL: 83
AMPUTATION: 2342
AMYGDALOID BODY: 128, 214, 491, 506, 696, 742, 1133, 1240, 1434, 1454, 1550, 1633, 2024, 2188, 2261, 2390, 2550, 2982, 2996, 3030, 3043, 3173, 3365, 3580, 3704, 4273, 4352, 4418, 4594, 4664
AMYLASE: 1456, 1466, 2988, 4319, 4331, 4354
AMYLOID: 2590
AMYLOIDOSIS: 2894, 3234
AMYOTROPHIC LATERAL SCLEROSIS: 446
ANABOLIC STEROIDS: 395, 594, 1509, 1586, 2293, 2527, 3073, 3560
ANAEROBIOSIS: 135, 297, 1074, 1529, 1602, 2899, 3403, 4136
ANALGESIA: 732, 2959, 4499
ANALGESICS AND ANTIPYRETICS: 162, 995, 1051, 1138, 2345, 2493, 2740, 3237, 3328, 3601, 3927, 3992, 4031, 4238, 4754
ANALOG-DIGITAL CONVERSION: 2981
ANALYSIS OF VARIANCE: 8, 63, 470, 1054, 1534, 2062, 2204, 2478, 2556, 2987, 3021, 3201, 3364, 4202
ANAPHYLAXIS: 194, 1099, 1193, 1537, 1669, 3242, 3306, 3751, 3842, 4226, 4296, 4599
ANATOMY, COMPARATIVE: 2866
ANDROGENS: 20, 116, 146, 170, 263, 297, 302, 319, 327, 389, 418-419, 480, 483, 497, 500, 729, 752, 828, 895, 1001, 1004, 1042, 1067, 1190, 1212, 1286, 1297, 1366, 1405, 1423, 1432, 1509, 1588, 1611, 1841, 1888, 1897, 2009, 2012, 2349, 2411, 2455, 2459, 2475, 2593, 2718, 2807, 3032, 3034, 3257, 3269, 3356, 3405, 3450, 3470, 3684, 3766, 3770, 3877, 3885, 4038, 4046, 4120, 4411, 4420, 4422, 4476, 4480, 4513, 4613, 4693, 4749, 4773
ANDROSTANES: 9, 34, 221, 256, 282, 294, 355, 656, 685, 908, 944, 1067, 1109, 1181, 1219, 1284, 1346-1347, 1452, 1507, 1509, 1524, 1696, 2009, 2411, 2504-2505, 2651-2652, 2834, 2865, 3060, 3083, 3313, 3405, 3473, 3852, 3746, 3976, 4066, 4112, 4177, 4285, 4289, 4414, 4613, 4702, 4750, 4769-4770
ANDROSTENEDIONE: 170, 262-263, 362, 500, 826, 1001, 1067, 1366, 1583, 1602, 2093, 2127, 2349, 2450, 2455, 2475, 2515, 2694, 2718-2719, 2865, 3034, 3405, 3470, 3595, 4415, 4420, 4422, 4510, 4513, 4693
ANDROSTENES: 92, 262, 483, 656, 720, 894, 1097, 1182, 1711, 1778, 2009, 2093, 2647, 2977, 3073, 3077, 3414, 3490, 3611, 3817, 4120
ANDROSTENOL: 1097, 2009, 3611, 3817
ANDROSTERONE: 9, 146, 256, 657, 908, 1067, 1347, 1583, 1778, 1973, 2515, 2634, 2647, 2847-2848, 2865, 3040, 3490, 4696

ANEMIA: 768, 935, 1297, 1897, 2398, 3754, 3899, 4053, 4771
ANEMIA, APLASTIC: 122, 1423, 1586, 1677, 1888, 2527, 3358, 3762
ANEMIA, HEMOLYTIC: 386
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 670, 934, 4730
ANEMIA, HYPOCHROMIC: 386, 745, 2883, 3311, 4359
ANEMIA, MACROCYTIC: 1190
ANEMIA, PERNICIOUS: 317, 934, 3386
ANEMIA, SICKLE CELL: 615, 3218, 3525, 4148
ANENCEPHALUS: 60, 1606, 2969, 3668
ANESTHESIA: 316, 336, 534, 1000, 1218-1219, 1234, 1237, 1463, 1590, 3017, 4088, 4387
ANESTHESIA ADJUVANTS: 1219, 1452, 3017, 4414
ANESTHESIA, CONDUCTION: 4281
ANESTHESIA, GENERAL: 34, 76, 221, 423-424, 737, 815, 1089, 2443, 2879, 3161, 4390
ANESTHESIA, INHALATION: 487, 2759, 4592
ANESTHESIA, INTRATRACHEAL: 3074, 4414
ANESTHESIA, INTRAVENOUS: 583, 2774, 3242, 4174, 4176, 4592, 4700, 4763
ANESTHESIA, SPINAL: 2443
ANESTHETICS: 76, 487, 583, 737, 815, 995, 1089, 1463, 1852, 2345, 2740, 2759, 4088, 4173-4174, 4341, 4750, 4763
ANESTHETICS, LOCAL: 76, 1816, 4224, 4251
ANEUPLOIDY: 161, 1808, 3021, 3107, 3124, 3944
ANEURYSM: 191, 2378, 4600
ANGER: 696, 1314, 4358
ANGINA PECTORIS: 1457, 1958, 2713
ANGIOGRAPHY: 551, 850, 1824, 2047, 2210, 2378, 2658, 2785, 2788, 3087, 3373, 3971, 4319
ANGIOMATOSIS: 1902, 3398
ANGIONEUROTIC EDEMA: 441
ANGIOSARCOMA: 3831, 4501
ANGIOTENSIN: 233, 258-259, 387, 582, 757, 916, 1034, 1051, 1254-1255, 1257, 1290-1291, 1422, 1441, 1525, 1546, 1740, 2096, 2257, 2320, 2431, 2489, 2746, 2813, 2815, 2831, 2905, 2916, 2926, 3062, 3072, 3076, 3138, 3147, 3263, 3350, 3377, 3410, 3498, 3542, 3546, 3583, 3630, 3926, 4023-4024, 4089, 4145, 4219, 4287, 4313, 4326, 4451, 4546
ANGIOTENSIN AMIDE: 2670, 4451
ANGIOTENSINASE: 1257
ANGUILLA: 3993
ANHYDRIDES: 1077, 3796
ANILERIDINE: 42
ANILIDES: 2546, 3566, 4120
ANILINE COMPOUNDS: 297, 532, 1671, 2592, 2786, 2906, 3080, 3246, 3311, 3832, 4289, 4615, 4634
ANIMAL EXPERIMENTS: 3-5, 8, 12-13, 15-17, 19-20, 23, 27, 32-33, 36-37, 39-42, 47, 49-52, 54, 56-57, 61, 63, 66, 69, 71, 76-77, 80-81, 83, 85-88, 90, 93-94, 96-97, 100-101, 105, 107-108, 110, 114-116, 118, 124, 128, 130-131, 135, 140, 142, 144-145, 147, 150, 153, 157-160, 165-167, 170, 174, 180-182, 184-186, 188, 190, 195-198, 198-199, 202, 204, 207, 209, 211-215, 217-218, 222-224, 227, 233, 238-241, 244, 247-248, 250-251, 254, 256-258, 261-263, 265, 267-268, 270, 273, 277, 279-280, 282, 284, 290, 292, 294, 298-299, 310-312, 315-316, 318, 320, 322, 325-326, 331-332, 334-338, 340-342, 345-346, 350-354, 358-359, 362-363, 367-368, 370-372, 374-376, 380, 384-385, 387-389, 392-393, 397, 402, 406, 411, 415-416, 422-424, 427-428, 430-432, 434, 436-439, 442-445, 451-452, 454-455, 457-460, 465, 468-471, 473-474, 483, 486-487, 489-491, 493, 496-497, 502-504, 506, 508-509, 513, 521, 523-524, 530-533, 536-538, 540, 542-543, 546, 548, 551, 555, 557, 562, 570, 572-574, 576-580, 585-587, 589, 595, 598, 600-602, 608, 610-611, 617, 619-622, 624-627, 630-633, 636-637, 642, 644, 646-647, 649, 651-654, 656, 662-663, 665, 668-669, 673-674, 676-679, 681-684, 687, 689-692, 694, 696, 700, 702, 705, 707, 711, 713, 715-716, 718, 720, 724-729, 732-738, 740-742, 758, 763-765, 767, 769-776, 780-783, 785, 789, 791-793, 798, 801, 804-808, 810, 812-813, 816-822, 828, 830, 835, 837, 839, 845, 848-849, 852-853, 860, 864, 866, 870-871, 873, 877-879, 885, 887, 890-892, 896, 898, 906, 909-911, 913, 915-917, 919-920, 922, 926-929, 931, 933 936-940, 946-947, 952, 954, 956, 959, 961-962, 966, 968, 973-974, 978-979, 986, 990-992, 996-999, 1002-1004, 1007-1009, 1013-1016, 1020-1021, 1023, 1025-1027, 1034, 1042-1044, 1046-1047, 1050-1055, 1057-1059, 1061-1063, 1070, 1074-1075, 1079-1081, 1084, 1086, 1088-1089, 1093, 1096-1097, 1099, 1104, 1118, 1121, 1124, 1126, 1131-1133, 1135-1136, 1138-1139, 1141-1143, 1147, 1152, 1154, 1156, 1158, 1161-1163, 1170-1173, 1181, 1184
1186, 1189, 1191, 1194-1197, 1200, 1207-1209, 1217-1218, 1220-1222, 1225, 1230-1237, 1239, 1245, 1247-1252, 1260, 1265, 1267-1269, 1273, 1275-1277, 1280, 1282, 1284, 1287-1288, 1290-1291, 1293, 1295-1297, 1299, 1303, 1310, 1314-1316, 1320-1321, 1324-1326, 1333, 1335-1336, 1342-1350, 1355-1356, 1358, 1362, 1368-1371, 1373, 1375-1376, 1378, 1383, 1385, 1387-1389, 1392, 1394, 1398-1400, 1402-1405, 1407, 1409, 1412, 1415, 1417-1418, 1424, 1426, 1428, 1430-1434, 1437, 1439, 1441-1442, 1448-1449, 1454-1455, 1458-1461, 1463, 1465-1466, 1471, 1473-1475, 1479, 1482-1483, 1486-1488, 1491-1493, 1496-1497, 1499, 1502-1503, 1506-1511, 1513-1514, 1519, 1522, 1525-1527, 1530, 1532-1533, 1536-1537, 1539, 1545-1546, 1549-1551, 1555, 1557, 1559-1561, 1563, 1567-1572, 1574, 1576-1577, 1580-1581, 1583-1585, 1587-1588, 1590, 1592, 1598-1599, 1601, 1604, 1608, 1610, 1612-1614, 1616-1617, 1619, 1621-1622, 1624, 1629, 1632-1635, 1637, 1639, 1643-1644, 1646-1648, 1650-1652, 1654, 1656-1657, 1662, 1665, 1670-1676, 1679, 1681-1683, 1685-1686, 1689-1692, 1694, 1697, 1699-1700, 1702, 1705, 1707-1710, 1714, 1717-1718, 1723, 1726-1728, 1731, 1734, 1736, 1740-1742, 1747-1750, 1752-1754, 1757, 1760-1764, 1767, 1770, 1774-1775, 1777, 1779-1781, 1784-1788, 1790, 1793, 1795-1802, 1804-1805, 1808-1810, 1812, 1823, 1828-1830, 1832-1834, 1838-1840, 1842-1843, 1845, 1847-1848, 1851-1859, 1862, 1864, 1867, 1872, 1874, 1876-1877, 1884-1885, 1889-1890, 1893, 1895-1898, 1900, 1907-1910, 1914-1915, 1918, 1921-1926, 1928, 1930, 1932, 1934, 1937, 1941-1942, 1945, 1947-1950, 1952, 1954, 1957, 1959-1960, 1962, 1966, 1968, 1974, 1977-1984, 1989-1993, 1999, 2002-2003, 2005-2006, 2009, 2012, 2014-2016, 2018, 2020, 2024-2027, 2032, 2035, 2042-2045, 2049-2050, 2053, 2057-2058, 2064-2066, 2068-2070, 2072, 2074-2077, 2083-2086, 2092, 2095-2096, 2098, 2103-2104, 2106-2107, 2111, 2123, 2128-2132, 2134-2135, 2140, 2142, 2144, 2148-2155, 2158, 2160-2164, 2168, 2170-2171, 2174-2175, 2177 2180, 2185-2188, 2195, 2202-2204, 2207, 2209, 2212-2213, 2217, 2219, 2221, 2226, 2228, 2232, 2234-2235, 2240, 2251-2253, 2255, 2258-2259, 2261-2262, 2267-2268, 2270-2272, 2275-2276, 2280, 2282-2285, 2293, 2298-2299, 2303-2306, 2308, 2310-2311, 2313, 2316, 2318, 2321-2322, 2325-2328, 2336, 2342, 2344-2348, 2350, 2352, 2357-2359, 2363-2365, 2374, 2377, 2379, 2384, 2387-2390, 2393-2395, 2397, 2399, 2403-2404, 2407, 2410-2411, 2413-2415, 2418, 2424, 2426-2427, 2429, 2431-2433, 2437, 2442, 2444, 2452-2454, 2456-2457, 2459-2460, 2463, 2465-2466, 2489, 2472-2474, 2478-2480, 2487-2489, 2494-2497, 2501, 2503-2509, 2512-2513, 2516-2519, 2522-2524, 2526, 2528-2529, 2531-2534, 2539-2540, 2545-2548, 2550-2551, 2553-2554, 2556-2559, 2563-2565, 2567, 2570, 2572, 2574, 2578-2581, 2583, 2589-2593, 2595-2598, 2601, 2608-2609, 2612, 2614-2615, 2618-2619, 2622-2623, 2625-2626, 2628, 2630, 2635-2637, 2641, 2643, 2646-2647, 2651-2652, 2654, 2657, 2659, 2663-2664, 2666-2668, 2670, 2674, 2676, 2679, 2685-2686, 2688, 2695-2698, 2704-2706, 2708, 2714, 2717-2720, 2722-2724, 2728, 2732-2736, 2739, 2741, 2743-2746, 2748, 2750-2751, 2753-2754, 2756, 2759-2760, 2762, 2764-2765, 2767-2768, 2770, 2772-2773, 2777-2778, 2785-2786, 2790, 2792, 2797, 2799, 2804-2806, 2808, 2813, 2815-2816, 2820-2821, 2829, 2832, 2834-2835, 2839, 2841, 2843, 2845, 2849-2850, 2856, 2858, 2865-2867, 2870, 2875-2876, 2880, 2885, 2892, 2895, 2898-2899, 2902-2903, 2906-2910, 2914-2916, 2919, 2921, 2924-2926, 2928-2929, 2931, 2933-2934, 2936, 2939, 2941, 2945-2948, 2950, 2952-2953, 2958-2960, 2963-2964, 2966, 2968, 2970-2971, 2973-2978, 2983, 2988, 2990-2992, 2996-2998, 3000, 3002-3003, 3007, 3012, 3014, 3016, 3022-3023, 3029-3031, 3033-3034, 3036-3037, 3039, 3041-3048, 3050, 3053, 3055, 3059-3060, 3063, 3069-3070, 3073, 3078-3082, 3088-3090, 3093-3096, 3101-3103, 3107, 3109-3114, 3118, 3120-3122, 3125-3127, 3131-3136, 3138-3142, 3144-3145, 3147, 3153-3156, 3158-3159, 3163, 3168, 3172
3173-3174, 3176, 3178-3181, 3183, 3186-3188, 3194-3195, 3199, 3201-3204, 3208, 3216, 3222-3224, 3227-3229, 3232-3233, 3235, 3239-3242, 3244-3245, 3247-3248, 3250, 3259, 3262-3267, 3269, 3271, 3274, 3276, 3281, 3283-3285, 3288, 3290, 3292-3294, 3300, 3304, 3306, 3311-3319, 3323-3325, 3328, 3333, 3335-3337, 3341-3343, 3345-3346, 3348-3349, 3355-3357, 3362, 3364-3366, 3375, 3381-3382, 3386-3388, 3390, 3392, 3396, 3401, 3403-3404, 3407-3408, 3411-3413, 3416-3419, 3422, 3424, 3426-3427, 3430, 3433-3434, 3437, 3440, 3448-3450, 3453, 3455, 3461-3466, 3477, 3484, 3486, 3490, 3492, 3494, 3496, 3498, 3504, 3508, 3510, 3515, 3517, 3519-3520, 3527-3528, 3530-3532, 3534-3535, 3537-3538, 3545-3546, 3548-3549, 3553-3554, 3559, 3561, 3564-3566, 3571, 3574, 3576, 3579-3580, 3584, 3589-3592, 3595, 3599, 3602-3606, 3610-3614, 3616-3617, 3620, 3623-3628, 3632, 3635-3638, 3643-3647, 3649, 3653, 3656-3657, 3661-3662, 3669, 3671-3676, 3678, 3680-3681, 3684, 3686-3687, 3689, 3692-3693, 3695-3698, 3700, 3704-3705, 3708-3711, 3715-3718, 3720-3722, 3724, 3728-3730, 3732, 3737, 3740, 3743, 3746-3747, 3751-3752, 3757-3758, 3763-3767, 3770-3772, 3774-3775, 3778, 3780, 3783-3784, 3791-3792, 3798-3800, 3802, 3807, 3809, 3813-3814, 3816-3819, 3822, 3824-3825, 3830, 3832-3833, 3838, 3841, 3843, 3847, 3849, 3852, 3856, 3858-3860, 3862-3863, 3865, 3867-3878, 3881, 3886-3888, 3890, 3894-3895, 3898, 3901-3904, 3909, 3919, 3921-3928, 3933, 3935-3940, 3942-3943, 3948, 3952, 3954, 3957-3958, 3960-3964, 3966-3967, 3969, 3971-3973, 3977-3980, 3982, 3986-3987, 3992-3993, 3996-3999, 4002-4004, 4009, 4018-4019, 4023-4031, 4034, 4036-4037, 4039-4041, 4046, 4048, 4051, 4054, 4058, 4060, 4062, 4064, 4070, 4074-4076, 4078, 4080, 4082-4083, 4086-4088, 4090, 4095-4100, 4102, 4104-4105, 4109, 4113-4116, 4119-4120, 4123-4124, 4127, 4130-4131, 4136-4141, 4144-4145, 4147-4148, 4154-4155, 4158-4159, 4162, 4165-4167, 4169, 4173, 4177, 4179-4180, 4187, 4192, 4194-4195, 4197, 4199, 4201
4205-4207, 4212-4215, 4217-4219, 4222, 4227, 4230, 4232, 4234, 4237, 4239, 4243, 4249, 4251, 4253, 4258-4259, 4262, 4264-4267, 4271-4274, 4279, 4282, 4286-4287, 4292-4298, 4300-4302, 4305, 4309-4311, 4313, 4315, 4321-4322, 4325-4328, 4330-4332, 4335, 4337-4339, 4345-4346, 4348, 4350-4351, 4354, 4358, 4361-4362, 4364-4365, 4371, 4373, 4376, 4380-4382, 4384, 4390, 4395, 4399-4400, 4404-4405, 4407, 4412, 4415-4416, 4419, 4423-4424, 4427-4428, 4430, 4433-4435, 4438, 4440-4444, 4450, 4452, 4454-4457, 4459-4463, 4465-4466, 4469-4470, 4472, 4474, 4476, 4478, 4480, 4482, 4484-4485, 4488-4489, 4491-4492, 4494-4495, 4497, 4499-4500, 4503-4504, 4508-4510, 4512, 4517-4518, 4520, 4522, 4524, 4526-4527, 4537, 4540, 4542, 4544-4548, 4557, 4561, 4565, 4571-4572, 4575, 4577, 4579-4580, 4582-4583, 4585-4586, 4589, 4593-4594, 4599, 4601-4602, 4605, 4607, 4610, 4613-4615, 4619-4623, 4627-4629, 4631-4633, 4636, 4638-4640, 4642, 4645, 4647-4649, 4653-4654, 4657-4658, 4661-4662, 4664-4665, 4668, 4670-4674, 4678-4680, 4682-4684, 4687, 4692-4693, 4695, 4697-4698, 4703, 4705-4706, 4708, 4710, 4713, 4715, 4719, 4721-4724, 4726-4729, 4732-4733, 4735-4736, 4738-4739, 4741, 4743-4744, 4750, 4754, 4758, 4763, 4773, 4778, 4781-4782, 4788, 4792-4799
ANIMAL FEED: 402, 868, 1016, 1762, 1916, 1979, 1990, 2404, 2743, 2885, 3111-3112, 3156, 3532, 3764, 4109, 4239, 4442
ANIMAL NUTRITION: 402, 733, 780, 954, 1016, 1186, 1437, 1644, 1770, 2076, 2388, 2390, 2743, 2806, 2885, 2899, 3153, 3316, 3532, 3676, 3764, 3972, 4162, 4239, 4524, 4614, 4668, 4792, 4794, 4798
ANIMALS, DOMESTIC: 1925
ANIMALS, LABORATORY: 375, 3807
ANIMALS, NEWBORN: 61, 116, 180, 245, 376, 503, 578-579, 624, 642, 662-663, 729, 911, 997, 1050, 1154, 1287, 1310, 1320, 1394, 1442, 1449, 1458, 1493, 1624, 1734, 1877, 1885, 1909, 1957, 1966, 2347, 2374, 2457, 2509, 2534, 2580, 2772, 2808, 3046-3047, 3094, 3179, 3269, 3316, 3354, 3366, 3381, 3417, 3623, 3710, 3720, 3814, 3863, 3873, 3943, 4036, 4273, 4480, 4512, 4518, 4524, 4723, 4798
ANIMALS, ZOO: 1075
ANISOLES: 297, 3171, 3721
ANKLE: 518
ANKLE JOINT: 1429, 1535
ANNELIDA: 2924, 3833
ANOREXIA NERVOSA: 99, 1645, 3005, 3677, 3782, 3882, 4170, 4283, 4481, 4556
ANOSMIA: 466, 3777, 4556
ANOXEMIA: 164, 2468, 4576, 4745
ANOXIA: 336, 1297, 1431, 1529, 1601, 1715, 1750,

1788, 1898, 2308, 3196, 3204, 3267, 3343, 4004, 4272, 4311, 4804
ANTACIDS: 1281, 1824, 2278, 4477
ANTERIOR CHAMBER: 3569
ANTHELMINTICS: 668, 933, 1608
ANTHRACENES: 1164
ANTHRANILIC ACID: 1099, 2591, 4217
ANTHROPOMETRY: 717, 861, 2634, 2871, 3287, 4156, 4524
ANTI-ANTIBODIES: 1669, 3075, 4432
ANTIBIOTICS: 55, 163, 281, 382, 961-962, 995, 1051, 1108, 1201, 1339, 1614, 2105, 2414, 2468, 2527, 2580, 2629, 2648, 2740, 3196, 3285, 3446, 3467, 3574, 3915, 3936, 3991, 4055, 4169, 4238, 4333, 4615-4616, 4641, 4774, 4806
ANTIBIOTICS, ANTIFUNGAL: 2476
ANTIBIOTICS, ANTINEOPLASTIC: 1105, 4703
ANTIBODIES: 32, 54, 132, 218, 357, 587, 740, 751, 762, 789, 847, 851, 957, 999, 1022, 1034, 1150, 1298, 1382, 1397, 1440, 1496, 1669, 1766, 2084, 2088, 2110, 2307, 2395-2397, 2515, 2591, 2860, 2900, 3089, 3213, 3321, 3324, 3404, 3524, 3592, 3693, 4019, 4279, 4403, 4433, 4544, 4670, 4680, 4730, 4806
ANTIBODIES, BACTERIAL: 676, 1228, 1802
ANTIBODIES, FUNGAL: 2239
ANTIBODIES, HETEROTYPIC: 4296
ANTIBODIES, VIRAL: 1112, 3474, 4441
ANTIBODY FORMATION: 153, 454, 544, 714, 915, 992, 1112, 1655, 1802, 1954, 2391, 2396, 2534, 2667, 2688, 2722, 3215, 3474, 3564, 3592, 4059, 4130, 4221, 4292, 4432-4433, 4441, 4544, 4705, 4743
ANTIBODY PRODUCING CELLS: 2016, 2534, 4351, 4794
ANTIBODY SPECIFICITY: 32, 1298, 2084, 2395-2396, 2474, 3132, 3350, 3451, 4019, 4132, 4279, 4336, 4403, 4649
ANTICHOLESTEREMIC AGENTS: 791, 2787, 3290, 3548, 4271
ANTICOAGULANTS: 432, 995, 1975, 4238
ANTICONVULSANTS: 112, 241, 742, 1502, 2329, 2423, 3483, 4169, 4759, 4772, 4777
ANTIDEPRESSIVE AGENTS: 837, 995, 1492, 1576, 2843, 3662
ANTIDIABETICS: 3460, 3722, 4238
ANTIDOTES: 1097
ANTIFIBRINOLYTIC AGENTS: 3024
ANTIFUNGAL AGENTS: 2122
ANTIGEN-ANTIBODY COMPLEX: 432, 789, 1669, 2591, 3727-3728, 4336, 4544, 4649
ANTIGEN-ANTIBODY REACTIONS: 218, 437, 839, 934, 992, 1635, 1669, 1938, 2014, 2395, 2587, 2913, 3325, 3428, 3524, 3592, 3686, 3785, 4059, 4132, 4193, 4433, 4512, 4692, 4699, 4746
ANTIGENIC DETERMINANTS: 965, 1215, 1604, 1938, 3126, 3272, 3325, 3564, 4059, 4432, 4512, 4538
ANTIGENS: 60, 154, 476, 567, 678, 985, 986, 1418, 1440, 1908, 2927, 3089, 3157, 3200-3201, 3321, 3431, 3447, 3540, 3584, 3751, 3890, 4083, 4132, 4544, 4649, 4675, 4685, 4696, 4699, 4792, 4806
ANTIGENS, BACTERIAL: 153, 642, 1655, 2688, 3955-3956
ANTIGENS, FUNGAL: 1655, 2122, 2239
ANTIGENS, NEOPLASM: 985, 2689, 3126, 4345
ANTIGENS, VIRAL: 407, 1927, 3564, 4514
ANTIHISTAMINICS: 628, 1030, 1099, 1293, 1689, 1692, 1728, 1766, 1859, 1940, 2337, 2418, 2829, 2906, 3215, 3237, 3259, 3301, 3446, 3708, 3935, 4169, 4280, 4313
ANTIHYPERTENSIVE AGENTS: 514, 1051, 1522, 3630, 3636, 3760
ANTI-INFECTIVE AGENTS: 3656, 4100
ANTI-INFECTIVE AGENTS, LOCAL: 35, 1164, 4514
ANTI-INFLAMMATORY AGENTS: 162, 434, 1293, 1503, 1728, 1800, 1838-1839, 1970, 2312, 2895, 3010, 3328, 3424, 3446, 3992, 4031, 4238, 4379
ANTI-INFLAMMATORY AGENTS, TOPICAL: 3447, 3741
ANTILIPEMIC AGENTS: 3061, 4799
ANTILYMPHOCYTE SERUM: 82, 249, 676, 744, 762, 1033, 1145, 2925, 4267, 4473
ANTIMALARIALS: 453, 1970
ANTIMETABOLITES: 1053, 3871, 3951
ANTIMONY: 668
ANTIMYCIN A: 414, 962, 1074, 3191, 3810, 3951
ANTINEOPLASTIC AGENTS: 291, 392, 454, 945, 1106, 1878, 2021, 2218, 2331, 2672, 2712, 3563, 3866, 3884, 4055, 4069, 4177, 4188, 4238, 4703, 4711
ANTINUCLEAR FACTORS: 739, 1266, 1332, 1548, 2383, 3213, 3451
ANTIOXIDANTS: 1916
ANTIPARKINSON DRUGS: 2894, 3301
ANTIPROTOZOAL AGENTS: 83
ANTIPYRINE: 449, 459, 1585, 1685, 1967
ANTISEPSIS: 803
ANTITOXINS: 812
ANTITUBERCULAR AGENTS: 2645, 4143
ANTIVENINS: 1767
ANTIVIRAL AGENTS: 3029, 3785, 4705
ANURIA: 188, 2210
ANUS: 4585
ANXIETY: 3017, 4749
ANXIETY, SEPARATION: 47
AORTA: 49, 233, 810, 916, 1260, 1872, 1874, 1982, 2168, 2359, 2431, 2584, 2679, 2952, 3087, 3204, 3305-3306, 3579, 3948, 3978, 4293, 4379, 4428, 4577
AORTA, ABDOMINAL: 3948, 4619
AORTA, THORACIC: 1682, 1983, 3948, 4613
AORTIC COARCTATION: 1189
AORTIC VALVE: 2381
AORTIC VALVE INSUFFICIENCY: 312
AORTIC VALVE STENOSIS: 67, 312, 2660
AORTOGRAPHY: 67
APATITES: 1047, 4424
APES: 1651
APGAR SCORE: 693
APHASIA: 1150, 1470
APOMORPHINE: 490, 665, 2103, 2299
APOPROTEINS: 1628, 1751, 3820, 4198, 4469
APPENDECTOMY: 2994
APPENDICEAL NEOPLASMS: 869
APPENDICITIS: 2994, 3703
APPENDIX: 1415, 2429, 3053
APPETITE: 1032, 1900, 4337
APPETITE DEPRESSANTS: 385, 2518, 3824
APPETITE DISORDERS: 40, 1207, 3367, 3619, 3782
APPETITE REGULATION: 40, 1572, 2226, 2390, 2661, 3114, 3186, 4491, 4647, 4738
AQUEOUS HUMOR: 652, 2005-2006, 2384, 3007
ARACHIDONIC ACID: 371, 801, 1657, 2548, 2867, 3437, 4194, 4379, 4580, 4602
ARACHNODACTYLY: 1192, 2392, 3733, 4181
ARACHNOID: 1923
ARBOVIRUS: 1369
ARBOVIRUS INFECTIONS: 2299
ARECOLINE: 1314, 2551, 3283
ARGENTINA: 4159
ARGINASE: 1373
ARGININE: 160, 552, 759, 1012, 1131, 1331, 1718, 2088, 2126, 2464, 2858, 3004, 3200, 3227, 3420, 3524
ARM: 1632
AROUSAL: 1613, 1928, 2533, 4338
ARRHENOBLASTOMA: 613, 1359, 1607, 4260
ARRHYTHMIA: 164, 331, 815, 838, 851, 934, 950, 1195, 1457, 2337, 2508, 2621, 2713, 3017, 3116, 3286, 4222, 4255, 4745
ARSENIC: 535, 1512, 1727, 2028, 3617, 3810
ARSENICALS: 4806
ARSPHENAMINE: 4806
ARTERIAL OCCLUSIVE DISEASES: 2378, 2852
ARTERIES: 85, 224, 330, 551, 924, 1021, 1236, 1355, 1983, 2310, 2916, 3055, 3087, 3318, 3865, 4002, 4268, 4451
ARTERIOSCLEROSIS: 210, 299, 412, 993, 1260-1261, 1584, 1958, 2054, 2142, 2163, 2584, 3204, 3579, 3820, 4428
ARTERIOVENOUS ANASTOMOSIS: 2310, 3971
ARTERIOVENOUS SHUNT, SURGICAL: 2615
ARTERITIS: 1177, 1242, 2852
ARTHRITIS: 937, 1145, 1537, 1716, 2398, 2777, 3328, 3567, 3750, 3992, 4031, 4148, 4300
ARTHRITIS, INFECTIOUS: 3314
ARTHRITIS, JUVENILE RHEUMATOID: 1871, 3234, 4148, 4304
ARTHRITIS, RHEUMATOID: 156, 453, 482, 518, 701, 934, 1242, 1410, 1476, 1669, 1901, 1946, 1970, 2242, 2294, 2435, 2538, 2778, 3291, 3602, 3804, 3910, 4148, 4290, 4342, 4528, 4742-4744, 4756, 4771
ARTHROBACTER: 1602
ARTHROPATHY, NEUROGENIC: 3458, 4148
ARTHROPODS: 3833, 4301
ARTHUS PHENOMENON: 1669, 2591
ARTIODACTYLA: 1057, 1075
ASCARIDIA: 3833
ASCITES: 728, 802, 2405, 3260, 3586
ASCITIC FLUID: 420, 728, 802
ASCOMYCETES: 1201
ASCORBIC ACID: 769, 1070, 1313, 1437, 1500, 1552, 1575, 2384, 2595, 2975, 3336, 3406, 3459, 3548, 3952, 4269, 4273, 4335
ASIA: 2569, 4043, 4357
ASPARAGINASE: 104, 1225, 4703
ASPARAGINE: 1225, 1573
ASPARTATE AMINOTRANSFERASE: 97, 449, 664, 734, 1225, 1343, 1458, 1678, 2308, 3417, 3764, 3807, 4340, 4439
ASPARTIC ACID: 1152, 3110, 3316
ASPERGILLOSIS: 237, 291
ASPERGILLUS: 3810
ASPHYXIA: 149, 2289, 4588
ASPHYXIA NEONATORUM: 3265, 3995
ASPIRATION: 1864
ASPIRIN: 114, 156, 430-431, 434, 610, 937, 1190, 1293, 1503, 1838-1839, 1854, 1970, 2147, 2395, 2466, 2801, 3127, 3199, 3352, 3354, 3424, 3437, 3577, 3660, 3992, 4016, 4217, 4296, 4379, 4472, 4477, 4580, 4754
ASSISTED CIRCULATION: 296, 455
ASTHENIA: 3008
ASTHMA: 382, 488, 706, 787, 977, 988, 1012, 1094, 1157, 1271, 1353, 1661, 1870, 1940, 1995, 1998, 2481, 2644, 2883, 2901, 2940, 3196, 3199, 3215, 3302, 3491, 3702, 3842, 3970, 3975, 4336, 4616, 4754
ASTIGMATISM: 4394
ASTROCYTOMA: 101, 675, 1719, 1729, 1930, 2319, 3409, 4189, 4501
ATAXIA: 1150, 1558, 3280, 4778
ATAXIA TELANGIECTASIA: 1415, 1677, 4675, 4746
ATELECTASIS: 2930, 2981
ATHLETIC INJURIES: 285
ATMOSPHERE EXPOSURE CHAMBERS: 1715, 4311
ATOMIC ENERGY: 4486
ATOMIC WARFARE: 1808
ATROPHY: 315, 664, 1388, 1437, 1547, 1558, 2406, 2754, 2789, 3309
ATROPINE: 128, 257, 316, 572, 738, 1023, 1282, 1398, 1459, 1592, 1801, 2546, 2551, 2651, 2705, 2748, 3199, 3242, 3262, 3283, 3662, 4491, 4777
ATTENTION: 234, 4352
ATTITUDE: 433, 4475
ATTITUDE TO HEALTH: 1745, 2338, 3831
AUDIOMETRY: 2446
AUDITORY CORTEX: 1454, 3954
AUDITORY PATHWAYS: 491
AUDITORY PERCEPTION: 61, 2192
AUROTHIOGLUCOSE: 4628
AUSCULTATION: 2378
AUSTRALIA: 717, 2077, 3237
AUSTRALIA ANTIGEN: 2893, 3734
AUSTRIA: 210, 2112
AUTISM: 559
AUTISM, EARLY INFANTILE: 715
AUTOANALYSIS: 145, 351, 535, 1098, 1512, 1906, 1961, 3027, 3503, 4254, 4432, 4483, 4649
AUTOANTIBODIES: 317, 357, 880, 934, 1266, 1332, 1548, 1598-1599, 1687, 2016, 3564, 3794, 3918, 4059, 4131
AUTOIMMUNE DISEASES: 211, 246, 317, 830, 880, 934, 1382, 1397, 1415, 1436, 1598, 2828, 2863, 3325, 3564, 4131, 4473
AUTOMATIC DATA PROCESSING: 2577
AUTONOMIC DYSFUNCTION: 236, 2793, 2894, 3190, 3289, 3458
AUTONOMIC FIBERS, POSTGANGLIONIC: 1459, 3553
AUTONOMIC NERVOUS SYSTEM: 567-569, 940, 1877, 2436, 3030, 3173, 4222
AUTOPSY: 46, 189, 210, 237, 255, 288, 361, 609, 687, 827, 904, 921, 953, 1029, 1071, 1176, 1292, 1735, 1975, 2035, 2071, 2109, 2112, 2141, 2149-2151, 2427, 2445, 2471, 2669, 2709, 2803, 2830, 2935, 2955, 3008, 3087, 3239, 3258, 3330, 3363, 3380, 3477, 3745, 3763, 3840, 4012, 4260, 4307, 4364, 4445, 4617
AUTORADIOGRAPHY: 182, 541, 553, 601, 653, 689, 978, 1168, 1269, 1276, 1321, 1513, 1790, 2204, 2442, 2459, 2711, 2747, 2770, 2821, 2866, 2892, 2924, 2978, 2984, 3134, 3362, 3365, 3515, 3528, 3530, 3589, 3678, 3825, 3919, 3961-3962, 4180, 4206, 4257, 4327, 4345, 4408, 4444, 4602

AUTOSOME ABNORMALITIES: 72, 324, 1495, 1722, 2216, 2800, 3065, 3249, 3260, 3581, 4122, 4765
AVIATION MEDICINE: 1534, 2486
AVIDIN: 621, 3816
AVITAMINOSIS: 3459
AVOIDANCE LEARNING: 209, 562, 775, 1084, 1909, 2261, 3125, 3940, 3972, 4064, 4166, 4443, 4492
AXILLA: 3864, 4045
AXILLARY ARTERY: 3971
AXONS: 159, 471, 860, 1163, 1172, 1634, 1937, 2346, 3250, 3365, 3461, 3593
AXOPLASMIC FLOW: 1143, 2866, 3985, 4342
AZA COMPOUNDS: 2652
AZACYTIDINE: 682
AZATHIOPRINE: 181, 197, 201, 232, 249, 281, 309, 641, 701, 714, 744, 762, 847, 1145, 1342, 1436, 2555, 2925, 3009, 3016, 3469, 3658, 3734-3735, 4267, 4331, 4521
AZAURIDINE: 2925
AZIDES: 2550, 3810, 3927
AZO COMPOUNDS: 718, 1141, 2427-2429, 2651, 3370, 4155
AZOTOBACTER: 4417

B

BABOONS: 181, 1651, 3818, 4517
BACILLUS: 492, 1602
BACILLUS SUBTILIS: 96, 2172
BACITRACIN: 281
BACKACHE: 22, 520, 561, 1395, 1963
BACTERIA: 688, 1684, 2458, 2885, 4082, 4625, 4678
BACTERIAL INFECTIONS: 153, 275, 641, 1145, 1864, 2067, 2289, 2398, 2531, 3028, 3669, 3991, 4498, 4521
BACTERIAL PROTEINS: 448, 2722, 3211
BACTERIAL VACCINES: 2688
BACTEROIDES INFECTIONS: 417
BALANITIS: 2789
BALNEOLOGY: 1878
BANDAGES: 3446
BARBITURATES: 583, 776, 1190, 1838, 4019, 4238
BARIUM: 86, 582, 1195, 2876, 4169, 4430
BARIUM SULFATE 73, 2822
BARNACLES: 471, 938
BASAL METABOLISM: 3044, 3869, 4072
BASE SEQUENCE: 1337, 3605
BASEMENT MEMBRANE: 163, 388, 524, 814, 1228, 1624, 2731, 2757, 2931, 3109, 3947, 4037, 4060, 4504
BASOPHILS: 1267, 1834, 2418, 2563, 3108, 3462, 4684
BCG VACCINATION: 1435, 2689
BEAK: 2479
BECLOMETHASONE: 488, 1271, 2940, 3302, 3975
BEES: 57, 3235, 3237, 3842, 4407
BEETLES: 3632
BEHAVIOR: 306, 2820
BEHAVIOR, ANIMAL: 47, 209, 214, 241, 250, 422, 493, 562, 574, 607, 735, 896, 909, 1142, 1208, 1240, 1314, 1325, 1492, 1572, 1580, 1592, 1594, 1633, 1644, 1646, 1774, 1781, 1785, 1947, 2066, 2098, 2103, 2261, 2327, 2533, 2706, 2799, 3194, 3269, 3366, 3504, 3940, 3972, 4064, 4166, 4293, 4337-4338, 4358, 4404, 4443, 4491, 4665
BEHAVIOR THERAPY: 3782
BEHCET'S SYNDROME: 865, 1068
BELGIUM: 74, 2292, 2420
BELLADONNA: 3301
BENACTYZINE: 538, 3662
BENCE JONES PROTEIN: 4566
BENZANTHRACENES: 474, 822, 1275, 1679, 1853, 3863
BENZAZEPINES: 43, 4665
BENZENE: 4033
BENZENE DERIVATIVES: 1356, 2476, 4626
BENZILATES: 3637
BENZIMIDAZOLES: 1502, 2083, 3115
BENZOATES: 81, 376, 997, 1320, 1379, 2585, 3029, 3067, 3171, 3381, 3884, 3936, 4111, 4463, 4480, 4605, 4644
BENZOCTAMINE: 3704
BENZOCYCLOHEPTENES: 84
BENZOFURANS: 3286, 4238
BENZOPYRENES: 729, 1622, 1955, 2992, 3246
BENZOTHIADIAZINES: 2073, 3489, 4608
BENZYL COMPOUNDS 81, 657, 922, 1201, 1838, 2906 3290, 3865, 4313
BERLIN: 3760
BETA GLOBULIN: 545, 685, 795, 2412
BETAMETHASONE: 176, 1535, 2901, 3823, 4617
BICARBONATES: 164, 220, 1387, 1673, 2030, 2132, 2774, 2909, 3339, 3421, 3963, 4103, 4200, 4328, 4340, 4355, 4417, 4465, 4616
BILE: 29, 1088, 1699, 1804, 2086, 2399, 2518, 2976, 4354
BILE ACIDS AND SALTS: 1329, 1602, 2090, 2899, 4340, 4768
BILE DUCTS: 29, 3821
BILE DUCTS, INTRAHEPATIC: 2819
BILIARY TRACT: 3266
BILIARY TRACT DISEASES: 1870, 2030, 2247, 2863
BILIRUBIN: 449, 664, 670, 3396, 4340, 4768
BINDING, COMPETITIVE: 203, 226, 261, 388, 480, 595, 611, 713, 795, 916, 1005, 1050, 1307, 1376, 1482, 1674-1675, 1688, 1751, 1943, 2009, 2114, 2152, 2324, 2411, 2450, 2462, 2565, 2734, 2967, 3089, 3132, 3170, 3185, 3364, 3516, 3705-3706, 3867, 3871, 3901, 3927, 3988, 4019, 4119, 4194, 4228, 4298, 4550, 4654
BINDING SITES: 75, 88, 121, 215, 247, 335, 387, 528, 532, 546, 556, 602, 626-627, 710, 713, 773, 795, 811, 907, 916, 1018, 1025, 1129, 1295-1296, 1298, 1315, 1337, 1405, 1461, 1482, 1501, 1628, 1674, 1688, 1751, 1784, 1874, 1921, 1974, 1984, 2009, 2018, 2090, 2347, 2360, 2557, 2601, 2618, 2734, 2867, 2953, 3211, 3228, 3284, 3407, 3485, 3501, 3537, 3603, 3705, 3901, 3903, 3927, 3998, 4030, 4061, 4114, 4119, 4180, 4194, 4216, 4227, 4262, 4282, 4444, 4456, 4543, 4561
BINDING SITES, ANTIBODY: 407, 986, 992, 1266, 1635, 1954, 2396-2397, 3592, 3904, 4649, 4696, 4699, 4743
BIOCHEMISTRY: 3754, 4053
BIOGENESIS: 3464-3465
BIOGENIC AMINES: 47, 136, 199, 238, 299, 837, 1289, 1460, 1589, 2068, 2350, 2546, 2607, 2657, 2906-2908, 2966, 3492, 4335, 4527, 4637, 4796
BIOLOGICAL ASSAY: 50, 147, 269, 315, 351, 358, 445, 509, 582, 608, 669, 793, 828, 996, 1025, 1044, 1158, 1233, 1239, 1371, 1444, 1735, 1780, 2020, 2172, 2178, 2213, 2272, 2329, 2415, 2548-2549, 2552, 2565, 2745, 2798, 2813, 2921, 2947, 3099, 3127, 3132, 3198, 3227, 3341, 3368, 3424, 3445, 3575, 3743, 3817, 3844, 3888, 3890, 4100, 4202, 4205, 4275, 4302, 4314, 4379, 4421, 4484, 4506, 4644-4645, 4668, 4799
BIOLOGICAL CLOCKS: 1534
BIOLOGICAL TRANSPORT: 76, 139, 202, 247, 280, 310, 414, 592, 614, 674, 938-939, 952, 969, 1088, 1131, 1143, 1146, 1298-1299, 1368, 1475, 1536, 1727, 1984, 2018, 2174, 2220-2221, 2241, 2344, 2399, 2540, 2668, 2735, 2751, 2841, 3221, 3440, 3443, 3481, 3535, 3586, 3660, 3681, 3691, 3825, 3979, 3981, 3984, 3986, 4197, 4213, 4244, 4297, 4309, 4328, 4348, 4417, 4537, 4615, 4689, 4703, 4795
BIOLOGICAL TRANSPORT, ACTIVE: 76, 81, 202, 266, 471, 674, 1118, 1232, 1545, 2444, 2734, 2841, 2926, 3000, 3191, 3421, 3951, 4328, 4465-4466
BIOMECHANICS: 74, 540, 702, 1129, 1656, 2292, 2662, 2851, 4299, 4325
BIOMETRY: 959, 3778, 3791, 4036
BIOPHARMACEUTICS: 500, 614, 3741
BIOPHYSICS: 4689
BIOPSY: 227, 229, 450, 541, 554, 615, 708, 754, 761, 899, 904-905, 958, 1031, 1082, 1112, 1164, 1178, 1211, 1323, 1468, 1494, 1755, 1879, 1892, 1920, 2264, 2300, 2307, 2330, 2378, 2405, 2422, 2427, 2682, 2731, 2775, 2864, 3008, 3213, 3216, 3374, 3383, 3410, 3438, 3487, 3593, 3763, 3792, 3855, 3864, 3866, 3945, 3947, 3950, 3957, 4005, 4084, 4181, 4204, 4208, 4244, 4269, 4336, 4369, 4445, 4570, 4591, 4624, 4731
BIOPSY, NEEDLE: 249, 255, 324, 357, 483, 905, 1076, 1210, 1596, 2094, 2860, 3432, 3792, 4483, 4567
BIOTRANSFORMATION: 302, 487, 1955, 2002, 2187, 2559, 2820, 3080, 3415, 3810, 4644
BIPHENYL COMPOUNDS: 532, 4114
BIRDS: 96, 625, 737, 878, 1267, 2479
BIREFRINGENCE: 3602
BIRTH INJURIES: 1887
BIRTH ORDER: 2969, 3760
BIRTH RATE: 643, 2010, 2730
BIRTH WEIGHT: 176, 301, 328, 386, 402, 416, 1372, 1909, 2166, 2478, 2500, 2571, 2884, 2989, 3191, 3260, 3507, 3690, 3721, 3760, 3995, 4142, 4278, 4498, 4749
BLADDER 322, 601, 724, 814, 821, 890, 969, 1131, 2344, 2668, 2751, 2767, 3168, 3227, 3244, 3292, 3681, 3986, 4213, 4454
BLADDER DISEASES 1689
BLADDER EXSTROPHY: 1631
BLADDER NECK OBSTRUCTION 841, 2602
BLADDER NEOPLASMS 563, 814, 2499, 4560
BLEOMYCIN: 392, 1435, 4703
BLEPHARITIS: 1
BLEPHAROPTOSIS: 4233
BLINDNESS: 708, 1119, 2035, 2380, 2771, 3205, 3218, 3639
BLISTER: 225, 847
BLOOD: 37, 60, 97, 114, 154, 282, 475, 511, 553, 795, 802, 1016, 1022, 1372, 1424, 1500-1501, 1658, 1664, 1746, 1773, 1830, 1991, 2345, 2567, 2821, 2859, 3028, 3809, 3895, 4288, 4293, 4407, 4708
BLOOD-BRAIN BARRIER: 81, 1719, 1937, 2821, 2931, 3624, 3704
BLOOD CELL COUNT: 229, 320, 386, 435, 1149, 1378, 1421, 1532, 1586, 2426, 3358, 3375, 3521, 3667, 3812, 4121, 4296, 4333, 4394, 4546
BLOOD CELLS: 831, 834, 1211, 2118, 3172, 4259
BLOOD CHEMICAL ANALYSIS: 204, 564, 795, 2149-2150, 2816, 3390
BLOOD CIRCULATION: 412, 769, 1235, 1403, 2257, 2678, 2706, 3090, 3959
BLOOD CIRCULATION TIME: 2315
BLOOD COAGULATION: 194, 276, 458, 1379, 1862, 4162, 4391, 4394
BLOOD COAGULATION DISORDERS: 3949, 4152, 4691
BLOOD COAGULATION FACTORS: 748, 3949
BLOOD COAGULATION TESTS: 435, 549, 748, 1095, 2291, 2827, 3428, 4704
BLOOD DONORS: 4049, 4132
BLOOD FLOW VELOCITY: 165, 350, 434, 1236-1237, 1441, 1656, 1993, 2315, 3037, 3382, 3486, 4714
BLOOD GAS ANALYSIS: 3289
BLOOD GROUP INCOMPATIBILITY: 590
BLOOD GROUPS: 832, 3633
BLOOD PLATELET DISORDERS: 435, 856, 3209, 4296, 4329
BLOOD PLATELETS: 42, 194, 229, 320, 425, 430-432, 435, 636, 679, 715, 730, 852, 875, 958, 1095, 1113, 1173-1174, 1266, 1921, 1971, 2147, 2196, 2331, 2341, 2607, 2932, 2966, 3024, 3225, 3358, 3375, 3577, 3660, 3667, 3924, 3951, 4121, 4221, 4296, 4379, 4394
BLOOD PRESERVATION: 1971, 3524, 4451
BLOOD PRESSURE: 4, 66, 107-108, 147, 165, 209, 296, 330, 345, 379, 434, 456, 514, 559, 581, 597, 606, 646, 652, 684, 698, 736, 738-739, 809, 855, 886, 940, 1000, 1021, 1034, 1099, 1138, 1144, 1218, 1257, 1289, 1457, 1504, 1522, 1525, 1682, 1685, 1715, 1746, 1836, 1848, 2002, 2073, 2100, 2145, 2209, 2255, 2320, 2337, 2358-2359, 2403, 2441, 2487, 2489, 2535, 2621, 2634, 2651, 2677, 2679-2680, 2706, 2728, 2831, 2902, 2914, 2916, 3028, 3055, 3083, 3093, 3136, 3242, 3263, 3285, 3289, 3340, 3383, 3410, 3524, 3565, 3571, 3636, 4018, 4023-4024, 4141, 4176, 4219, 4226, 4313, 4364-4365, 4386, 4497, 4517, 4524, 4562, 4613, 4686, 4725, 4744-4745
BLOOD PRESSURE DETERMINATION: 204, 1000, 1441
BLOOD PROTEIN DISORDERS: 242, 478, 2312, 2361, 3820
BLOOD PROTEIN ELECTROPHORESIS: 102, 401, 475, 478, 545, 986, 1228, 1397, 1453, 2181, 2412, 2627, 3005, 4242
BLOOD PROTEINS: 83, 97, 145, 156, 245, 270, 475, 478, 545, 664, 684-685, 753, 795, 802, 986, 1021, 1070, 1228, 1266, 1338, 1409, 1628, 1751, 1809, 1833, 2089-2090, 2100, 2114, 2298, 2412, 2542, 2550, 2572, 2726, 2757, 2941, 3016, 3185, 3200, 3236, 3406-3407, 3434, 3436, 3573, 3807, 3822, 3835, 3937-3938, 4049, 4274, 4478, 4538, 4547
BLOOD SEDIMENTATION: 2801, 3075, 4656, 4704
BLOOD SPECIMEN COLLECTION: 1350, 4451
BLOOD SUGAR: 2, 39, 45, 97, 106, 142, 160, 300, 308, 326, 339, 374, 476, 536, 552, 567, 569, 1082, 1132, 1162, 1330-1331, 1392, 1466, 1528, 1544, 1572, 1585, 1606, 1676, 1686, 1704, 1762, 1821, 1900, 1908, 1946, 2088, 2126, 2161, 2240, 2281, 2355, 2384, 2426, 2438, 2443, 2520, 2561, 2814,

2873, 2919, 2929, 2956, 3002, 3004-3005, 3064, 3157, 3200, 3255, 3357, 3420, 3431, 3450, 3453, 3540, 3618, 3722, 3732, 3776, 3783, 3807, 3868, 3937-3938, 3999, 4021, 4161, 4274, 4331-4332, 4376, 4388, 4442, 4503, 4664, 4686, 4737
BLOOD TRANSFUSION: 435, 437, 441, 748, 1095, 1586, 2527-2528, 2580, 2893, 3358, 3428, 4221
BLOOD TRANSFUSION, INTRAUTERINE: 3272
BLOOD UREA NITROGEN: 97, 168, 296, 456, 1084, 1228, 1863, 1879, 2404, 2929, 3807, 4239, 4340, 4386
BLOOD VESSEL PROSTHESIS: 679
BLOOD VESSELS: 299, 412, 629, 940, 1249, 1257, 1525, 1982, 2142, 2467, 2657, 3332, 4296
BLOOD VOLUME: 66, 320, 698, 855, 886, 1648, 1766, 2315, 2320, 2486, 3190, 3835, 4725
BLOOD VOLUME DETERMINATION: 3630
BLOODLETTING: 258
BODY BURDEN: 721, 2295, 3819, 4323
BODY COMPOSITION: 347, 1490, 1756, 4799
BODY CONSTITUTION: 1192, 1359, 4690
BODY FLUIDS: 697, 855, 1055, 1315, 1561, 1805, 2535, 3238, 3440, 3835, 3910, 4267, 4380
BODY HEIGHT: 324, 327, 418-419, 554, 559, 690, 717, 745, 768, 861, 900, 1012, 1159, 1211, 1361, 1880, 2059, 2571, 2680, 2829, 2854, 3020, 3064, 3406, 3650, 3834, 4201, 4341, 4357, 4524
BODY SURFACE AREA: 2088, 3630
BODY TEMPERATURE: 41, 54, 424, 573, 752, 754, 958, 1001, 1144, 1335, 1412, 1511, 1538, 1573, 1601, 1640, 1793, 1877, 2299, 2328, 2452, 2475, 2567, 2706, 2919, 3274, 3317, 3448, 3527, 3747, 3772, 3846, 3935, 4137, 4169, 4208, 4245, 4310, 4404, 4531, 4611, 4664
BODY TEMPERATURE REGULATION: 423-424, 573-574, 630, 1280, 1559, 1753, 1877, 2131, 2271, 2299, 2436, 3280, 3288, 3835, 3845-3846, 4315, 4332, 4491, 4526, 4647, 4777
BODY WATER: 855, 1055, 1715, 3390, 3835, 4332, 4740
BODY WEIGHT: 40, 45, 83, 116, 182, 184, 248, 268, 312, 350, 376, 402, 456, 488, 544, 559, 572, 581, 584, 625, 690, 737, 770, 806-807, 818, 822, 910-911, 929, 966, 997, 1012, 1016, 1070, 1073, 1079, 1132, 1153-1154, 1211, 1225, 1236, 1273, 1361, 1409, 1437, 1439, 1442, 1483, 1503, 1506, 1572, 1581, 1614, 1670, 1700, 1715, 1781, 1788, 1909, 1936, 1941, 1947, 2114, 2149-2150, 2293, 2374, 2388, 2391, 2463, 2472, 2478, 2488, 2535, 2553, 2659, 2661, 2670, 2680, 2698, 2743, 2764, 2792, 2829, 2854, 2880, 2896, 2901, 2946, 2997, 3006, 3020, 3044, 3064, 3073, 3076, 3080, 3138, 3153, 3156, 3194, 3200, 3223, 3240, 3290, 3315-3316, 3386, 3389, 3406, 3465, 3477, 3484, 3496, 3505, 3532, 3588, 3591, 3628, 3650, 3685, 3722, 3772, 3782, 3814, 3835, 3839, 3847, 3852, 3880, 3871, 3960, 3972, 3997, 3999, 4023, 4036, 4040, 4139, 4182, 4205, 4267, 4271, 4293, 4340-4341, 4357, 4416, 4442, 4468, 4470, 4474, 4481-4482, 4491, 4499-4500, 4524, 4545, 4613, 4628, 4632, 4653, 4668, 4673, 4719, 4737-4738
BONE AND BONES: 71, 74, 212, 288, 360, 413, 507, 518, 540-541, 547, 556, 594, 601, 679, 702, 718, 733, 853, 889, 898-899, 925, 932, 960, 971-972, 1047, 1058, 1098, 1311, 1345, 1371, 1429, 1468, 1490, 1495, 1506, 1530, 1595, 1603, 1609, 1632, 1656, 1703, 1734, 1752, 1770, 1788, 1876, 1893, 2075, 2172, 2206, 2215-2216, 2238, 2290, 2292, 2295, 2332, 2398, 2460, 2486, 2516, 2567, 2606, 2658, 2662, 2671, 2708, 2723, 2764-2765, 2782, 2806, 2816, 2830, 2864, 2871, 2909, 2961, 2963, 3008, 3019, 3065, 3156, 3181, 3219, 3329, 3344, 3355, 3393, 3406, 3452, 3455, 3509, 3526, 3538, 3584, 3588, 3819, 4080, 4084, 4096, 4099, 4148, 4153, 4167, 4257, 4325, 4395, 4432, 4496, 4544, 4553, 4600, 4614, 4623-4624, 4668, 4672, 4708, 4775, 4792, 4795
BONE CONDUCTION: 2446
BONE CYST: 3095, 3393, 4600
BONE DEVELOPMENT: 23, 324, 418-419, 853, 977, 1214, 1397, 1788, 1876, 2215, 2353, 2662, 2708, 2756, 3156, 3406, 3538, 3584, 3654, 3775, 4051, 4080, 4284, 4395, 4668
BONE DISEASES: 95, 516, 920, 1048, 1636, 1716, 1886, 1929, 2606, 2756, 2775, 3234, 3393, 3518, 3714, 3892, 4084, 4153, 4772, 4775
BONE DISEASES, DEVELOPMENTAL: 790, 1495, 2198, 2216, 3584
BONE MARROW: 601, 1010, 1297, 1311, 1415, 1614, 1802, 1897, 2290, 2589, 3195, 4121, 4131, 4147
BONE MARROW CELLS: 82, 678, 1264, 1270, 1275, 1692, 2044, 2527, 2534, 2575, 2711, 3589, 3793, 3914, 4084
BONE MARROW DISEASES: 1106, 1830, 3172, 3793
BONE MARROW EXAMINATION: 386, 905, 1275, 2689, 2817, 4084
BONE MATRIX: 1311, 2460, 4051, 4601
BONE NEOPLASMS: 98, 255, 278, 408, 932, 984, 2029, 2439, 2466, 2600, 2756, 2963, 3257, 3261, 3329, 3393, 3458, 3526, 3581, 3619, 4050, 4094, 4121, 4148, 4566
BONE REGENERATION: 556, 1129, 1196, 3775, 4325, 4601
BONE RESORPTION: 359, 889, 898-899, 904, 920, 932, 1129, 1214, 2206, 2284, 2330, 2353, 2417, 2466, 2526, 2662, 2765, 2775, 2909, 3352-3354, 3509, 3775, 3892, 4051, 4080, 4148, 4205, 4600, 4792
BONE SCREWS: 4325
BORATES: 2503
BORDETELLA PERTUSSIS: 2722, 3306
BORIC ACIDS: 1560
BORNANES: 3460, 3722
BOROHYDRIDES: 75, 1098, 1628, 1751, 3423
BOSTON: 1457
BRACHIAL PLEXUS: 3843
BRACHIOPODA: 3833
BRADYKININ: 65, 1099, 1138, 2096, 2493, 2741, 2813, 3565, 3653, 3926
BRAIN: 41, 81, 107, 113, 116, 138, 140, 167, 180, 188-189, 199, 223, 238-239, 250, 280, 288, 299, 353, 368, 380, 438, 502, 506, 576-577, 608, 696, 732, 735, 741, 785, 819-820, 866, 911, 956, 1014, 1080, 1084, 1097, 1132, 1135, 1143, 1231, 1262, 1273, 1280, 1285, 1292, 1316, 1324, 1358, 1426, 1434, 1459, 1482, 1493, 1558, 1567, 1592, 1621, 1632, 1665, 1682, 1699, 1707, 1719, 1726, 1741, 1770, 1777, 1787, 1793, 1797, 1802, 1823, 1840, 1856, 1910, 1915, 1923, 1937, 1968, 2015, 2024, 2068, 2107, 2149-2151, 2204, 2275, 2327-2328, 2430, 2445, 2465, 2474, 2524, 2533, 2552, 2623, 2706, 2750, 2770, 2780, 2815, 2843, 2906, 2908, 2924, 2933, 2939, 2966, 3023, 3030, 3047, 3088, 3117, 3155, 3178, 3202, 3290, 3300-3301, 3316-3317, 3322, 3362, 3378, 3404, 3494, 3561, 3580, 3626, 3636, 3683, 3704, 3722, 3747, 3757, 3766, 3809, 3821, 3840, 3882, 3897-3898, 3926-3928, 3972, 3985, 4003, 4073, 4124, 4186, 4232, 4243, 4271, 4305, 4335, 4350, 4358, 4404-4405, 4419, 4440, 4459, 4470, 4485, 4491, 4494, 4496, 4508, 4520, 4527, 4593, 4631, 4633, 4664, 4682, 4713, 4796, 4798
BRAIN ABSCESS: 275, 526
BRAIN CHEMISTRY: 41, 186, 188, 238, 241, 368, 372, 598, 654, 735, 772, 775, 785, 953, 1002, 1070, 1084, 1121, 1290-1291, 1335, 1412, 1434, 1460, 1493, 1569, 1592, 1707, 1793, 1917, 2066, 2098, 2107, 2518, 2524, 2907-2908, 2950, 2959-2960, 3023, 3102, 3114, 3316, 3370, 3517, 3609, 3620, 3683, 3747, 4064, 4076, 4273, 4631
BRAIN CONCUSSION: 2056
BRAIN DAMAGE, CHRONIC: 953, 1152, 3110, 4035, 4073
BRAIN DEATH: 249, 3289
BRAIN DISEASES: 235, 275, 466, 615, 715, 719, 893, 1080, 1088, 1123, 1246, 1273, 1438, 1470, 1558, 1719, 1729, 2288, 2852, 3150, 3289, 3317, 3995, 4073, 4171, 4278, 4716, 4777
BRAIN EDEMA: 166, 275, 928, 1520, 1923, 2140, 3289, 3928, 4752
BRAIN INJURIES, ACUTE: 236, 1489, 1719, 3289, 4252
BRAIN MAPPING: 572, 798, 3626, 3778, 4145, 4647
BRAIN NEOPLASMS: 26, 101, 113, 129, 191, 200, 275, 323, 377, 563, 615, 645, 675, 719, 759, 881, 1071, 1080, 1149, 1520, 1719, 1729, 1850, 1930, 2366, 2594, 2852, 3117, 3152, 3373, 3409, 3745, 3831, 3983, 4189, 4314, 4501, 4525, 4747, 4752
BRAIN STEM: 77, 81, 167, 442, 1002, 1121, 1132, 1319, 1412, 1434, 1489, 1662, 1768, 2368, 3178, 3289, 3461, 3712, 3898, 4098, 4350, 4358, 4633, 4733
BRAZIL: 38
BREAD: 303
BREAST: 485, 717, 844, 1168, 1258, 1380, 1481, 1678, 2059, 2224, 2389, 2807, 3367, 3505, 3834
BREAST DISEASES: 1678, 3236
BREAST FEEDING: 1153, 2619, 4357
BREAST NEOPLASMS: 79, 155, 278, 484-485, 563, 824, 883, 1032, 1086, 1167, 1258, 1380, 1464, 1481, 1549, 1611, 1678, 1743, 2021, 2029, 2094, 2137, 2148, 2389, 2439, 2589, 2582, 2687, 2742, 2807, 2951, 2981, 3086, 3106, 3164, 3192, 3251, 3257, 3261, 3488, 3505, 3578, 4065, 4094, 4121, 4188, 4209, 4357, 4449, 4476, 4773, 4779
BREEDING: 692, 707, 1925, 2313, 3153, 3520, 3545
BRENNER TUMOR: 286, 814
BRETYLIUM COMPOUNDS: 587, 2304
BRIDGED COMPOUNDS: 3997, 4502
BROMELAINS: 1125
BROMIDES: 305, 944, 1182, 3936, 4126, 4493, 4629, 4770
BROMINE: 121, 209, 555, 1512, 1754, 1953, 2946, 3496, 3956, 4377
BROMODEOXYURIDINE: 1006, 1927, 2800, 3515, 3615
BROMPHENIRAMINE: 3259
BRONCHI: 839, 1828-1829, 2403, 3199, 3305-3306, 3571, 3604, 4641, 4754
BRONCHIAL DISEASES: 2294
BRONCHIAL NEOPLASMS: 235, 278, 932, 1071, 1148, 1599, 1605, 2890, 2943, 4242, 4418, 4549
BRONCHIAL SPASM: 344, 2562, 3199, 3215, 4641, 4750
BRONCHIECTASIS: 1987
BRONCHITIS: 1940, 2943, 3525, 4336
BRONCHODILATOR AGENTS: 382, 787, 988, 1940, 1998, 2644, 2883, 3215, 3842, 3975, 4616, 4641
BRONCHOGRAPHY: 3604
BRONCHOSCOPY: 2109, 3604, 4553
BROWN FAT: 929, 1877
BRUCELLA ABORTUS: 4292
BRUCELLOSIS: 4292
BRYOZOA: 3833
BUFFALOES: 3996
BUFFERS: 1529, 1789, 2130, 2418, 2503, 2530, 3062, 3171, 3438, 3577, 3743, 4538, 4706
BUFO: 632, 1604, 2856, 3635
BUFO ARENARUM: 1474, 3235, 3292
BUFO BUFO: 1941
BUFO MARINUS: 322, 821, 890, 1131, 1604, 2751, 3168, 3235, 3681, 3986, 4213
BUNOLOL: 4266
BURKITT'S LYMPHOMA: 1927, 3278, 3866
BURKITT'S LYMPHOMA VIRUS: 1927
BURNS: 275, 325, 1293, 1631, 2045, 2048, 3653, 3669, 4619
BURNS, CHEMICAL: 1220, 2048, 2579, 3226, 3628, 3653
BURSA OF FABRICIUS: 2534, 3045, 4131
BURSITIS: 482, 1395, 4617
BUSULFAN: 46, 1404, 2050, 2417, 2817
BUTTOCKS: 762
BUTYLAMINES: 2883
BUTYRATES: 171, 207, 414, 429, 530, 537, 843, 979, 1124, 1400, 1555, 1565, 2223, 2259, 2399, 2421, 2747, 2906-2907, 3157, 3163, 3327, 3427, 3440, 3500, 3504, 3522, 3559, 3660, 3751, 3862, 4002, 4241, 4266, 4382, 4399, 4493, 4565, 4626, 4793
BUTYROPHENONES: 136, 1576

C

C-REACTIVE PROTEIN: 4656
C-TYPE VIRUSES: 2419, 4241
CADAVER: 249, 762, 3858, 3845-3846, 4011
CADMIUM: 721, 2806, 3263, 4214
CAERULEIN: 316
CAFFEINE: 382, 575, 781, 1526, 2259, 2421, 2574, 2858, 3070, 3343, 3803, 3830, 4114, 4251, 4609, 4713
CALCIFICATION, PHYSIOLOGIC: 196, 2537, 3167, 3654, 3909, 4080, 4319, 4424
CALCINOSIS: 189, 200, 252, 899, 989, 1110, 2033, 2238, 2290, 2348, 2658, 2671, 2709, 2756, 2775, 2803, 3165, 3204, 3840, 4246, 4248, 4748
CALCIUM: 23, 56, 76, 85-87, 100, 126, 144, 150, 187, 192, 206-207, 233, 254, 257, 270, 303, 310, 312, 358-359, 369, 388, 393, 396, 414-415, 462, 467, 471-472, 486, 492, 520, 522, 560, 585, 589, 592, 594, 618, 622, 626-627, 644, 671, 673-674, 710, 733, 736, 745, 749, 758, 766, 780-781, 821, 828, 858-859, 875, 887, 897-900, 912, 938-940, 974, 989, 1003, 1021, 1072, 1075, 1118, 1129, 1136, 1154, 1162, 1188, 1200, 1214, 1232, 1250, 1302, 1309, 1345, 1355, 1362-1363, 1395-1396, 1439, 1462, 1468, 1474, 1526-1527, 1536, 1559, 1568, 1578-1579,

1585, 1609, 1619, 1627, 1636, 1639, 1668, 1688, 1703, 1727, 1755-1758, 1763, 1789, 1796, 1821, 1845, 1851, 1863, 1874, 1876, 1892-1893, 1896, 1924, 1929, 1982, 1984, 2017-2018, 2051, 2119, 2130, 2132, 2161, 2174, 2215, 2219, 2238, 2248, 2271, 2321-2322, 2329, 2344, 2348, 2399, 2422-2423, 2431, 2437, 2492, 2496, 2516, 2545, 2642, 2649, 2654, 2659, 2679, 2704-2705, 2708-2709, 2723, 2729, 2734-2735, 2737, 2759, 2765, 2775, 2814, 2851, 2864, 2867, 2870, 2878, 2909, 2914, 2926, 2986, 3019, 3063, 3070, 3111-3112, 3144, 3178, 3183, 3219, 3229, 3231, 3300, 3342, 3353, 3369, 3377, 3384, 3392, 3421, 3455, 3478-3479, 3481, 3496-3497, 3518, 3559, 3588, 3602, 3614, 3622, 3659, 3661, 3676, 3691, 3749, 3764-3765, 3775, 3779, 3784, 3795, 3809, 3858, 3894, 3939, 3964, 4041, 4051, 4103, 4113-4114, 4125-4126, 4129, 4138, 4168, 4187, 4197, 4205, 4215, 4227, 4230-4231, 4251, 4272, 4282, 4297, 4309, 4328, 4340, 4355, 4381, 4412, 4421, 4430, 4465-4466, 4483, 4537, 4550, 4592, 4604, 4615, 4624-4625, 4629, 4637, 4673, 4695, 4710, 4713, 4715, 4790, 4792-4793, 4795

CALCIUM CARBONATE: 1072, 1363

CALCIUM CHLORIDE: 770, 872, 1195, 2089

CALCIUM, DIETARY: 23, 303, 359, 673, 687, 733, 2322, 3408, 4080, 4465-4466, 4792

CALCIUM ISOTOPES: 86-87, 233, 560, 592, 594, 749, 821, 938, 974, 1200, 1468, 1619, 1627, 1756, 1893, 2018, 2174, 2422, 2492, 2516, 2708, 2734-2735, 2864, 2909, 3185, 3300, 3353-3354, 3455, 3622, 3765, 4113-4114, 4205, 4227, 4309, 4444, 4483, 4537, 4629, 4695, 4792-4793

CALCIUM METABOLISM DISORDERS: 897, 3509

CALCIUM PHOSPHATES: 1047, 1878, 3344, 3602, 4424

CALIFORNIUM: 4708

CALLUS: 4325

CANADA: 1317, 3326, 4357

CANDIDA: 187, 1655

CANDIDA ALBICANS: 1161, 2239, 2648, 4591

CANNABIS: 214, 345, 742, 1240, 2066, 3992

CAPILLARIES: 189, 861, 2142, 2536, 2757, 3465, 3825, 3840, 3947, 4296, 4455, 4546, 4624

CAPILLARY PERMEABILITY: 194, 220, 334, 587, 1348-1349, 2142, 2175, 2520, 2591, 2931, 3741

CAPILLARY RESISTANCE: 941

CAPROATES: 279, 2477, 4889

CAPSULES: 283, 910

CARBACHOL: 86, 1023, 1358, 1473, 1801, 3504, 3774, 4104, 4145, 4215, 4491

CARBAMATES: 299, 665, 1077, 2966, 3061, 3088, 3333, 3448, 4082

CARBAMAZEPINE: 2889, 3394, 3882

CARBIMAZOLE: 243, 3303, 3665, 4446

CARBODIIMIDES: 962, 1077, 4899, 4743

CARBOHYDRATE ISOMERASES: 213

CARBOHYDRATE METABOLISM, INBORN ERRORS: 967, 1134, 2144, 3071, 3255, 3801, 4184

CARBOHYDRATES: 300, 336, 788, 1374, 1424, 2034, 2041, 2391, 2530, 2632, 2877, 3099, 3289, 3431, 3732, 3779, 3820, 4152, 4716

CARBON: 1901

CARBON DIOXIDE: 296, 456, 1361, 1374, 1387, 1417, 1499, 1520, 1908, 2268, 2530, 2542, 2650, 3055, 3222, 3453, 4200, 4263, 4340, 4576

CARBON ISOTOPES: 20, 31, 121, 167, 170-171, 179, 199, 202, 262-263, 268, 284, 294, 346, 352-353, 355-356, 367, 427-428, 443, 448, 465, 496, 668, 681-683, 760, 764, 801, 837, 852, 875, 891, 922, 926-927, 1061, 1070, 1098, 1143, 1157, 1170-1171, 1201, 1215, 1236, 1269, 1316, 1324, 1336, 1346-1347, 1356, 1366, 1368, 1374, 1400, 1405, 1417, 1448, 1464, 1472, 1499, 1505, 1507, 1513, 1529, 1536, 1558-1557, 1569, 1583, 1610, 1671, 1673, 1699, 1721, 1789, 1855, 1889, 1914, 1971, 1999, 2009, 2025, 2069, 2085-2086, 2093, 2104, 2128, 2143, 2212, 2228, 2240-2241, 2252, 2268, 2275-2276, 2293, 2327, 2370, 2442, 2444, 2516, 2530, 2532, 2544, 2547, 2584, 2592-2593, 2613, 2637, 2693-2694, 2696-2697, 2720, 2734, 2772, 2780, 2787, 2821, 2867, 2939, 2941, 2953, 2964, 2976, 2990, 3006-3007, 3018, 3034, 3060, 3067, 3081, 3120, 3134-3135, 3186-3187, 3202-3203, 3222, 3268, 3318, 3327, 3348, 3351, 3370, 3378, 3386, 3400, 3404-3405, 3440, 3453, 3472, 3522, 3660, 3680, 3686, 3802, 3832, 3856, 3871, 3875, 3954, 3957, 3960-3962, 3967, 3979, 3982, 4019, 4032, 4078, 4098, 4100, 4105, 4141, 4158, 4187, 4276, 4279, 4296-4298, 4322, 4335, 4376, 4408, 4411, 4415, 4420, 4440, 4444, 4453, 4457-4458, 4485, 4488, 4503, 4510, 4543, 4571, 4577, 4583, 4586, 4602, 4633, 4657, 4661, 4664, 4693, 4697, 4733, 4740, 4742

CARBON MONOXIDE: 294, 297, 729, 1671, 4194

CARBON TETRACHLORIDE: 2142, 2326

CARBON TETRACHLORIDE POISONING: 2142

CARBONATES: 733, 1047, 1302, 1889, 2470

CARBONIC ANHYDRASE: 1770

CARBONIC ANHYDRASE INHIBITORS: 952

CARBOXY-LYASES: 107, 180, 576-577, 1448, 1533, 1569, 1673, 2025, 2261, 2614, 2618, 2843, 2945, 3498, 4115, 4187

CARBOXYLIC ACIDS: 961, 2069, 2704, 3776

CARBOXYPEPTIDASES: 699, 2034, 2124, 3067, 3800

CARBUTAMIDE: 3460

CARCINOEMBRYONIC ANTIGEN: 965

CARCINOGENS: 78-79, 131, 830, 1141, 1684, 2582, 3046, 3118, 4476

CARCINOID TUMOR: 603, 975, 3800

CARCINOMA: 53, 59, 127, 143, 242, 255, 484, 827, 885, 965, 982, 1032, 1192, 1229, 1373, 1380, 1481, 1589, 1620, 1663-1664, 1670, 2008, 2133, 2392, 2694, 2763, 3733, 3761, 3856, 3921, 3944, 3950, 4065, 4418, 4421, 4445, 4464, 4486, 4651

CARCINOMA, BASOSQUAMOUS: 2763

CARCINOMA, BRONCHOGENIC: 392, 1010, 1071, 1148, 1353, 1735, 2109, 2943, 3270, 3917, 4549

CARCINOMA, BROWN-PEARCE: 374

CARCINOMA, DUCTAL: 883, 984, 1258, 1678, 2029, 2687, 4065

CARCINOMA, EHRLICH TUMOR: 100, 1316, 1428, 2841, 4207

CARCINOMA, EPIDERMOID: 255, 883, 1045, 2499, 3013, 3388, 4065, 4068

CARCINOMA IN SITU: 1494

CARCINOMA, MUCINOUS: 4065

CARCINOMA, OAT CELL: 101, 1071, 1148, 1599, 1605, 1735, 2890, 3270, 3917, 4549

CARCINOMA, PAPILLARY: 1146, 1229, 2763, 3983, 4065, 4486

CARCINOMA, SCIRRHOUS: 1380

CARCINOMA, TRANSITIONAL CELL: 883, 2499

CARCINOMA 256, WALKER: 115, 1079, 2419, 3494

CARDANOLIDES: 280, 1077, 2508

CARDIAC GLYCOSIDES: 698, 995, 4745

CARDIAC OUTPUT: 66, 296, 379, 646, 736, 886, 1682, 1746, 2145, 2175, 2358-2359, 3028, 3055, 3288, 3549-3550, 3630, 4452, 4497

CARDIAC VOLUME: 2145, 3550

CARDIOLIPINS: 1999, 4673

CARDIOVASCULAR DISEASES: 412, 1792, 1935, 2348, 3518, 3655

CARDIOVASCULAR SYSTEM: 802, 995, 1424, 1877, 2345, 2486, 3636, 3779, 4031, 4108, 4176, 4702

CARIOGENIC AGENTS: 2744

CARNITINE: 4078

CARNIVORA: 860, 1057, 1208, 1488

CAROTENE: 519, 3406

CAROTENOIDS: 519, 1751

CAROTID ARTERIES: 107, 191, 408, 517, 611, 620, 2854, 3549, 3971, 4427

CAROTID ARTERY DISEASES: 191, 658, 2852, 3639

CAROTID ARTERY, INTERNAL: 850, 2852

CAROTID SINUS: 2032, 3093

CARPAL BONES: 547, 1429

CARPAL TUNNEL SYNDROME: 1535, 4342

CARRAGEENAN: 586, 937, 1293, 2630, 3328, 3992, 4031

CARRIER PROTEINS: 115, 589, 1160, 2726, 3399, 3890, 4066, 4607, 4787

CARRIER STATE: 1802

CARTILAGE: 1418, 2415, 2460, 2537, 2773, 3737, 3763, 3909, 3946, 4348, 4516, 4601

CARTILAGE, ARTICULAR: 196, 3602

CASE REPORT: 67, 72, 91, 149, 151, 655, 701, 745, 904, 981, 1068, 1071, 1085, 1166, 1294, 1300, 1306, 1438, 1591, 1965, 2047, 2200, 2307, 2406, 2752, 2888, 2938, 2995, 3581, 3648, 3701, 3712, 3848, 4012, 4151, 4281, 4307, 4316, 4324, 4366, 4464, 4516, 4747, 4791, 4800, 4803

CASEIN: 682, 788, 1152, 2038, 2553, 3110, 4469, 4721

CASSAVA: 4778

CASTRATION: 20, 52, 59, 92, 105, 116, 182, 222, 256, 294, 376, 389, 506, 578, 639, 677, 705, 764, 773, 806, 828, 905, 990, 997, 1004, 1009, 1046, 1058, 1061, 1110, 1124, 1189, 1276, 1310, 1320, 1561, 1570, 1580, 1649, 1679, 1700, 1799, 1813, 1825-1826, 1834, 1857, 1934, 1992, 2003, 2021, 2053, 2074, 2125, 2171, 2226, 2235, 2262, 2287, 2325, 2365, 2411, 2454, 2457, 2459, 2504-2507, 2519, 2556, 2559, 2569, 2581, 2593, 2612, 2622, 2717, 2719, 2736, 2794, 2797, 2834, 2865, 2910, 2998, 3078-3079, 3088, 3153, 3176, 3245, 3269, 3281, 3356, 3381, 3389, 3603, 3611, 3695, 3746, 3775, 3822, 3867, 3873, 4026, 4063, 4097, 4120-4121, 4155, 4158, 4162, 4177, 4361, 4380, 4454, 4463, 4480, 4536, 4585-4586, 4613, 4628, 4662, 4719, 4723, 4738, 4741

CASTS, SURGICAL: 2708

CAT DISEASES: 687, 2531, 3262

CATALASE: 1285, 1557, 1621, 2274, 2474

CATALYSIS: 1587, 2028, 3875

CATARACT: 1810, 1851, 1864, 2144, 2146, 2844, 4378

CATARACT EXTRACTION: 1864, 2844

CATECHOL: 341, 380, 1261, 2007, 3351, 4031, 4335

CATECHOL METHYLTRANSFERASE: 1285, 2766, 3203, 3351, 3448, 4577

CATECHOLAMINES: 40, 87, 103, 160, 167, 185, 222, 233, 331, 336, 340, 354, 370, 415, 438, 476, 502, 588, 665, 741, 1039, 1051, 1238, 1245, 1280, 1299, 1323, 1326, 1358, 1478, 1557, 1565, 1574, 1616, 1618, 1647, 1741, 1793, 1800-1801, 1928, 1968, 2007, 2096, 2168, 2176, 2279, 2429, 2442, 2552, 2635, 2654, 2695, 2720, 2750, 2778, 2870, 2966, 2974, 3190, 3204, 3289, 3324, 3343, 3534, 3583, 3636, 3683, 3779, 3908, 3966-3967, 3981, 4218, 4222, 4229, 4243, 4266, 4273, 4404, 4563, 4603, 4619

CATHARTICS: 2894

CATHEPSIN: 2124, 2811

CATHETERIZATION: 118, 276, 570, 765, 768, 809, 1017, 1050, 2105, 2311, 3604, 3880, 3971, 4038

CATIONS, DIVALENT: 2643, 2734, 2867, 2926, 3803, 3998, 4227

CATIONS, MONOVALENT: 1434, 2867, 3998

CATS: 8, 33, 77, 195, 214, 223, 257, 280, 332, 334, 367, 443-444, 491, 524, 538, 562, 630, 687, 696, 736, 738, 839, 928, 1055, 1089, 1133, 1194-1195, 1234, 1245, 1314, 1325, 1454, 1463, 1479, 1492, 1522, 1580, 1925, 1928, 2098, 2267, 2304, 2337, 2350, 2419, 2427, 2501, 2508, 2531, 2651-2652, 2939, 3007, 3030, 3081, 3266, 3285, 3305, 3571, 3580, 3599, 3628, 3636, 3669, 3825, 3958, 3963, 3971, 4018, 4024, 4031, 4076, 4088, 4116, 4127, 4169, 4206, 4218, 4222, 4337-4338, 4443, 4642, 4758

CATTLE: 13, 33, 85, 87-88, 126, 130, 153, 207, 270, 353, 358-359, 363, 402, 407, 415, 436, 452, 490, 531, 537, 540, 542, 594, 630, 647, 653, 673, 681, 713, 723, 740, 780, 788, 795, 868, 871-872, 915, 936, 969, 986, 992, 1016, 1044, 1047, 1062, 1099, 1146-1147, 1162, 1168, 1173, 1186, 1248, 1250-1251, 1259, 1315, 1350, 1371, 1375, 1379, 1402, 1418, 1459, 1461, 1487, 1496, 1508, 1511, 1585, 1604, 1609, 1671, 1697, 1705, 1709-1710, 1749, 1762, 1777, 1780, 1843, 1895, 1925, 1950, 1990-1991, 2014, 2038, 2042, 2053, 2057, 2069, 2084-2085, 2089, 2106, 2186-2187, 2190, 2203, 2213, 2217, 2232, 2240, 2252, 2311, 2324, 2372, 2403, 2415, 2426, 2442, 2474, 2513, 2519, 2540, 2547-2548, 2570, 2590, 2635, 2659, 2696, 2704, 2806, 2867, 2885, 2953, 2971, 2973, 3023, 3094, 3111-3112, 3171, 3239, 3241, 3245, 3276, 3312, 3318, 3351, 3413, 3419, 3449, 3503, 3520, 3545, 3574, 3592, 3620, 3637, 3649, 3676, 3679, 3697-3698, 3700, 3716, 3718-3719, 3740, 3770, 3802, 3874-3875, 3894, 3897, 3902-3903, 3926, 4009, 4019, 4062, 4109, 4138, 4194, 4198, 4227, 4230, 4234, 4254, 4276, 4287, 4292, 4302, 4339, 4403, 4424, 4427, 4433, 4518, 4520, 4547, 4584, 4649, 4657, 4698, 4715, 4721, 4743

CATTLE DISEASES: 33, 1099, 1147, 1186, 1350, 1697, 1705, 1749, 2203, 2232, 2426, 2519, 3094, 3111-3112, 3239, 3520, 3545, 3676, 3894

CAUCASIAN RACE: 900, 1548, 1703

CAUDATE NUCLEUS: 81, 167, 820, 1002, 1937, 2304, 2906-2908, 3023, 3865, 4633

CAUSTICS: 2579

CAVERNOUS SINUS: 2211, 2366

CECUM: 356, 2357, 3045, 3201, 4416

CELIAC ARTERY: 2383, 3971

CELL AGGREGATION 430, 432, 1173, 1870, 3501, 3615, 3660

CELL COUNT: 58, 171, 421, 462, 1151, 1411, 1486,

1556, 1692, 1736, 2231, 2241, 2522, 2736, 3221, 3484, 4624
CELL DIFFERENTIATION: 96, 124, 137, 354, 391, 877, 1135, 1310, 1462, 1760, 1918, 1941, 1957, 2027, 2050, 2458, 2805, 2736, 2853, 3466, 3494, 3615, 3833, 4025, 4037, 4065, 4090, 4325, 4327, 4601, 4709, 4797
CELL DIVISION: 78, 96, 462, 689, 707, 1205, 1303, 1358, 1388, 1702, 1918, 1927, 1991, 2050, 2575, 2711, 2856, 2928, 3221, 3501, 3615, 3632, 3663, 3670, 3746, 4037, 4241, 4609, 4626, 4678, 4683, 4741
CELL FRACTIONATION: 215, 247, 292, 497, 578, 891, 916, 1426, 1493, 1674-1675, 1984, 2044, 2347, 2431, 2698, 2735, 2780, 3472, 3481, 3531, 3613, 3686, 4132
CELL-FREE SYSTEM: 451, 713, 1673-1675, 1786, 2903, 2964, 3458, 4061, 4382, 4544
CELL FUSION: 3472, 4709
CELL LINE: 171, 373, 407, 429, 462, 484, 554, 645, 917, 1529, 1663-1664, 1927, 1938, 2220, 2395, 2419, 2853, 3105, 3221, 3304, 3522, 3944, 4241, 4484, 4626
CELL MEMBRANE: 76, 171, 280, 292, 340-341, 387-388, 454, 471, 531, 626, 730, 760, 767, 781, 811, 907, 916, 938, 1018, 1129, 1163, 1298-1299, 1392, 1462, 1587, 1921, 1984, 2005, 2089-2090, 2207, 2213, 2241, 2308, 2341, 3248, 3312, 3386, 3472, 3500, 3519, 3522, 3537, 3573, 3613-3615, 3698, 3741, 3980, 4030, 4132, 4265, 4289, 4302, 4495, 4520, 4561, 4657
CELL MEMBRANE PERMEABILITY: 76, 592, 614, 974, 1174, 1298, 2017, 2209, 2219, 2241, 2308, 2344, 2494, 2654, 2705, 2914, 3061, 3224, 3300, 3404, 3683, 3980, 4328, 4417, 4689
CELL MIGRATION INHIBITION: 317, 689, 880, 2927, 3293, 3325, 4079, 4362
CELL MOVEMENT: 120, 651, 1736, 2283, 2357, 3589, 4025, 4028, 4079, 4081, 4400, 4797
CELL NUCLEOLUS: 247, 834, 2072, 2459, 2473, 3418, 3519, 3811, 3958, 4025, 4522, 4697
CELL NUCLEUS: 48, 69, 78, 80, 215, 247, 323, 484, 497, 506, 543, 644, 661, 700, 707, 743, 814, 833, 845, 1057, 1168, 1194, 1296, 1303, 1337, 1405, 1475, 1493, 1536, 1617, 1674-1675, 1784, 1895, 1974, 2072, 2128, 2185, 2208, 2347, 2411, 2473, 2509, 2536, 2550, 2563, 2570, 2578, 2714, 2797, 2987, 2990, 3014, 3103, 3166, 3208, 3281, 3484, 3515, 3519, 3553, 3605, 3612-3613, 3729, 3765, 3811, 3958, 4025, 4258, 4298, 4478, 4522, 4538, 4540, 4545, 4697
CELL SEPARATION: 51, 82, 2044, 2747, 4344, 4683
CELL SURVIVAL: 124, 670, 734, 1529, 2484, 2504-2505, 2507, 2949, 3403, 4373
CELL TRANSFORMATION, NEOPLASTIC: 27, 38, 78, 373, 663, 907, 1808, 1841, 2004, 2164, 2340, 2853, 3221, 3402, 3670
CELL WALL: 1806, 1922
CELLS: 392, 3158, 3342, 3732, 4037, 4495
CELLS, CULTURED: 251, 354, 392, 543, 651, 653, 843, 965, 1168, 1358, 1529, 1582, 1627, 1674-1675, 1677, 1841, 2064, 2139, 2208, 2223, 2236, 2419, 2421, 2484, 2575, 2672, 2747, 2800, 2811, 2823, 2869, 2916, 2942, 2949, 2992, 3071, 3128, 3216, 3227, 3232, 3351, 3403, 3472, 3500, 3589, 3613, 3670, 3697, 3773, 3811, 3888, 4010, 4013, 4052, 4079, 4184, 4327, 4399, 4439, 4493, 4550, 4683, 4693, 4703, 4759
CELLULAR INCLUSIONS: 707, 1056-1057, 1870, 2563, 2578, 3612, 3729-3730, 4009
CELLULOSE: 94, 1721, 2106, 2181, 2593, 2903, 3407
CEMENTOMA: 2862
CENTRAL NERVOUS SYSTEM: 148, 411, 630, 1139, 1292, 1424, 1492, 2337, 2357, 2501, 2891, 2933, 2989, 3081, 4782
CENTRAL NERVOUS SYSTEM DISEASES: 148, 235, 1033, 1871, 1935, 3621
CENTRAL VENOUS PRESSURE: 296, 698, 736, 1746, 3028, 4176
CENTRIFUGATION: 251, 788, 1482, 1513, 3099, 3312, 3613, 4227
CENTRIFUGATION, DENSITY GRADIENT: 31, 88, 186, 207, 215, 251, 351, 401, 484-485, 543, 764, 871, 1163, 1295-1296, 1337, 1399, 1471, 1505, 1561, 1587, 1617, 1721, 1726, 1800, 1895, 2038, 2065, 2128, 2135, 2139, 2389, 2559, 2593, 2797, 2811, 3228, 3284, 3294, 3434, 3472, 3500, 3787, 3874, 3901-3902, 3933, 3966-3967, 3982, 4010, 4041, 4054, 4061, 4241, 4262, 4265, 4328, 4469, 4538, 4568, 4607
CENTRIFUGATION, ZONAL: 2735
CEPHALEXIN: 3575
CEPHALINS: 371, 469, 1114, 1999, 2704, 3225, 4187, 4657, 4673
CEPHALOMETRY: 1159, 2826, 4524
CEPHALORIDINE: 174, 2769, 3575
CEPHALOSPORINS: 3575
CEPHALOTHIN: 2769, 3575, 4316, 4703
CERAMICS: 2918
CEREALS: 900
CEREBELLAR ATAXIA: 304
CEREBELLAR CORTEX: 166, 835, 3712, 4273
CEREBELLAR DISEASES: 446
CEREBELLAR NEOPLASMS: 323, 2267
CEREBELLAR NUCLEI: 2368
CEREBELLUM: 180, 368, 442, 772, 827, 911, 1002, 1084, 1114, 1139, 1292, 1522, 1558, 1707, 1856, 1962, 2275, 2550, 2933, 3047, 3178, 3461, 3972, 4076, 4350, 4633, 4713, 4747
CEREBRAL ANEURYSM: 517, 1080, 1520, 2366, 2852, 4223
CEREBRAL ANGIOGRAPHY: 113, 191, 200, 234, 408, 517, 1177, 1470, 1719, 2366, 2852, 3639, 4189, 4517
CEREBRAL ANOXIA: 361
CEREBRAL ARTERIES: 1520, 2931, 4428, 4517
CEREBRAL CORTEX: 3, 180, 214, 223, 368, 444, 506, 562, 775, 781, 835, 837, 909, 1013, 1114, 1139, 1225, 1231, 1234, 1292, 1417, 1434, 1454, 1459, 1492, 1536, 1558, 1576, 1662, 1786, 1798, 1823, 1856, 1937, 1962, 2143, 2275, 2303, 2328, 2453, 2465, 2550, 2906-2908, 2933, 3030, 3155, 3178, 3342, 3365, 3426, 3443, 3461, 3580, 3624, 3712, 3757, 3865, 3943, 3954, 4003, 4116, 4358, 4594, 4713
CEREBRAL CORTEX DECORTICATION: 423-424
CEREBRAL EMBOLISM AND THROMBOSIS: 234, 1420, 1719, 2112, 2852, 4223, 4530
CEREBRAL HEMORRHAGE: 3639, 4223
CEREBRAL ISCHEMIA, TRANSIENT: 1180
CEREBRAL SCLEROSIS, DIFFUSE: 1558
CEREBRAL VENTRICLE NEOPLASMS: 408, 881, 1107, 2267, 2319, 3409, 4189
CEREBRAL VENTRICLES: 167, 469, 700, 783, 909, 928, 952, 1007, 1142, 1570, 1646, 1981, 2368, 2528, 2959-2960, 3448, 3461, 3492, 3919, 4027, 4405, 4747
CEREBROSIDES: 1114, 1701, 2885
CEREBROSPINAL FLUID: 323, 952, 1923, 2445, 3285, 3467, 3696, 3809
CEREBROSPINAL FLUID PROTEINS: 1150
CEREBROSPINAL FLUID SHUNTS: 408, 881
CEREBROVASCULAR CIRCULATION: 1520, 2852, 3382, 4452, 4517, 4752
CEREBROVASCULAR DISORDERS: 189, 234, 1180, 1319, 2905, 3840, 4530
CERIUM: 1512, 2028
CERIUM ISOTOPES: 4167
CERULOPLASMIN: 857, 1088, 1500-1501, 2816, 3311
CERVICAL VERTEBRAE: 408, 574, 1716, 3547, 4342
CERVIX DISEASES: 1494, 1670, 3896
CERVIX INCOMPETENCE: 2683
CERVIX MUCUS: 120, 177, 253, 958, 1538, 1640, 2019, 2476
CERVIX NEOPLASMS: 22, 822, 824, 883, 1032, 1045, 1494, 2156, 2218, 2405, 2420, 2499, 3896, 4209, 4303
CERVIX UTERI: 176, 464, 778, 1538, 1658, 1881, 1977, 2565, 3122, 3159, 3239, 3244, 3298, 3413, 3535, 3675, 3815, 3994
CESAREAN SECTION: 417, 590, 748, 779, 1931, 2311, 2850, 3175, 3444, 3780, 4285
CESIUM: 1434, 2079, 2609
CESIUM ISOTOPES: 4614
CESTODA: 3154
CETYLPYRIDINIUM: 94
CEYLON: 4501
CHAD: 3950
CHALONES: 2643
CHANNEL ISLANDS: 1611
CHARCOAL: 88, 1296, 1675, 2324, 2389, 2559, 3072, 3666, 3879, 4625
CHEEK: 1359
CHEILITIS: 3206
CHELATING AGENTS: 471, 1056, 1845, 2452, 2734, 4227, 4438
CHEMISTRY: 121, 133, 203, 305, 474, 618, 811, 1047, 1077, 1163, 1175, 1301, 1455, 1563, 1615-1616, 1713, 1767, 1916, 1962, 2359, 2494, 2676, 2821, 2878, 3115, 3215, 3333, 3505, 3679, 3741, 3796, 3981, 4495, 4557, 4599, 4602, 4634-4635
CHEMISTRY, ANALYTICAL: 2187
CHEMISTRY, CLINICAL: 564
CHEMISTRY, ORGANIC: 648, 2675, 3808
CHEMISTRY, PHARMACEUTICAL: 614, 3790, 4625
CHEMISTRY, PHYSICAL: 3436, 4289
CHEMORECEPTORS: 1055, 1612-1613, 1786, 1828
CHEMOSTERILANTS: 3387
CHEMOTAXIS: 2178-2179, 2601, 3833, 4599
CHERUBISM: 4624
CHIARI-FROMMEL SYNDROME: 1825
CHICAGO: 4290
CHICK EMBRYO: 354, 749, 906, 1047, 1135, 1284, 1297, 1389, 1581, 1672, 2095, 2139, 2185, 2357, 2545, 2732, 3188, 3392, 3455, 3613, 3686, 3737, 3787, 3809, 4037, 4131, 4348, 4399, 4432, 4709
CHICKENPOX: 3474, 4363
CHICKENS: 83, 97, 190, 199, 212, 470, 621, 737, 769, 906, 1008, 1098, 1162, 1277, 1399, 1430, 1610, 1691, 1774, 2096, 2321, 2347, 2372, 2415, 2534, 2652, 2770, 2813, 2892, 2909, 2939, 2964, 2974, 3045, 3188, 3242, 3305, 3311, 3538, 3564, 3711, 3765, 3816-3817, 3832, 3843, 3852, 3876, 3936, 3961, 3964, 4131, 4258, 4297-4298, 4395, 4416, 4544, 4682, 4722, 4795
CHILD: 2, 6, 14, 22, 35, 43, 48, 67, 72, 104, 122, 127, 137, 139, 146, 148, 152, 154, 178, 183, 197, 242-243, 246, 275, 281, 295, 304, 319, 324, 327, 365, 377, 381, 383, 386, 408, 418-419, 425, 467, 477, 480, 488, 510, 514-515, 547, 559, 584, 594, 615, 634-635, 643, 658-659, 714, 717, 722, 751, 768, 794, 844, 858, 861, 921, 924, 945, 963, 967, 977, 985, 1012, 1035, 1056, 1068, 1076, 1085, 1101, 1107, 1140, 1157, 1159-1160, 1204, 1219, 1229, 1238, 1253, 1262, 1339, 1361, 1365, 1367, 1377, 1381, 1397, 1414, 1429, 1450, 1489-1490, 1495, 1504, 1578, 1589, 1631, 1677, 1698, 1704, 1732-1733, 1794, 1826, 1860, 1870-1871, 1880, 1887, 1897, 1904-1905, 1920, 1936, 1939-1940, 1972, 1975, 1988, 1995, 1998, 2033, 2087-2088, 2127, 2193-2194, 2198, 2222, 2224, 2227, 2244, 2269, 2273, 2288, 2290, 2314, 2319, 2348, 2384, 2406, 2423, 2445, 2448, 2460, 2465, 2481, 2490, 2520, 2537, 2561, 2566, 2569, 2594, 2600, 2617, 2640, 2660-2661, 2684, 2689, 2738, 2756, 2763, 2789, 2791, 2793, 2803, 2809, 2818, 2824, 2826, 2831, 2838, 2854, 2860-2861, 2922, 2957, 2979, 2994, 2999, 3008, 3020, 3025, 3061, 3065, 3085, 3124, 3152, 3189-3190, 3200, 3205, 3207, 3214, 3234, 3253, 3255-3256, 3260, 3296-3297, 3327, 3329, 3340, 3380, 3406, 3409, 3435, 3441, 3454, 3488-3489, 3495, 3568-3569, 3588, 3593, 3597, 3614, 3618, 3639, 3654, 3656, 3659, 3669, 3701-3702, 3714-3715, 3737-3738, 3763, 3805, 3831, 3834, 3850, 3910, 3912, 3918, 3946, 3965, 3970, 3995, 4014, 4016, 4035, 4049, 4122, 4151, 4156, 4160-4161, 4170, 4201, 4233, 4260, 4269, 4304, 4324, 4333, 4343, 4352, 4363, 4385, 4387-4388, 4398, 4439, 4481, 4486, 4498, 4501, 4525, 4559, 4573, 4581, 4600, 4623-4624, 4675, 4701, 4716, 4747, 4749, 4751, 4754, 4770, 4788
CHILD BEHAVIOR: 534, 2192, 2857
CHILD BEHAVIOR DISORDERS: 558, 963, 2033, 2382, 3020
CHILD DEVELOPMENT: 2192, 2571, 3020, 3995, 4749
CHILD DEVELOPMENT DEVIATIONS: 386, 558, 2382, 4392
CHILD, HOSPITALIZED: 534
CHILD NUTRITION: 3406, 3654
CHILD, PRESCHOOL: 35, 43, 104, 129, 139, 146, 148, 152, 154, 197, 242, 275, 324, 327, 381, 383, 418-419, 425, 480, 488, 550, 558-559, 571, 594, 634-635, 659, 675, 717, 759, 768, 784, 921, 924, 945, 963, 967, 1022, 1056, 1107, 1140, 1157, 1160, 1177, 1219, 1223, 1238, 1361, 1365, 1381, 1397, 1414, 1489, 1495, 1515, 1589, 1605, 1631, 1638, 1666, 1677, 1794, 1871, 1880, 1887, 1904-1906, 1935, 1940, 1995, 1998, 2087-2088, 2193, 2222, 2227, 2239, 2248, 2269, 2273, 2290, 2314, 2319, 2348, 2376, 2382, 2423, 2448, 2460, 2490, 2566, 2571, 2629, 2660-2661, 2689, 2738, 2756, 2763, 2803, 2824, 2854, 2857, 2922-2923, 2979, 2994, 2999, 3065, 3085, 3100, 3124, 3200, 3207, 3246, 3260, 3278, 3296-3297, 3406, 3409-3410, 3441, 3474,

3489, 3569, 3593, 3597, 3604, 3614, 3618, 3654, 3656, 3659, 3669, 3712, 3714, 3737, 3763, 3805, 3845-3846, 3850-3851, 3910, 3912, 3965, 3981, 3995, 4035, 4164, 4203, 4233, 4333, 4355, 4385, 4392, 4396, 4439, 4486, 4501, 4559, 4573, 4581, 4624, 4701, 4716
CHILE: 38
CHIMPANZEES: 1651, 3818
CHINA: 643, 943, 2010, 3633
CHINCHILLAS: 1809
CHIROPTERA: 1057, 2933
CHITIN: 707, 1691
CHLORAL HYDRATE: 1891, 3242, 3370, 4616
CHLORAMBUCIL: 1106, 1920, 3374, 4535, 4730
CHLORAMINES: 1352, 2767
CHLORAMPHENICOL: 101, 417, 1414, 1552, 1586, 1855, 2925, 3262, 3456, 3599, 4055, 4267, 4396
CHLORCYCLIZINE: 628
CHLORDIAZEPOXIDE: 538, 4665
CHLORELLA: 4032, 4279
CHLORIDES: 179, 325, 592, 733, 872, 1047, 1055, 1821, 1908, 1974, 2453, 2542, 2679, 2767, 3000, 3233, 3421, 3807, 3936, 3980, 4114, 4166, 4200, 4328, 4332, 4417, 4629, 4674
CHLORINE: 121, 1195, 1508, 1608, 3348, 3637, 4592
CHLORMADINONE: 120, 542, 692, 705, 1640, 2199, 3042, 3230, 4704
CHLOROBUTANOL: 1220, 1560
CHLOROMERCURIBENZOATES: 355-356, 1296
CHLOROQUINE: 162, 731, 891, 936, 2442
CHLOROTHIAZIDE: 1021, 2402
CHLOROTRIANISENE: 2108
CHLORPHENIRAMINE: 3242
CHLORPHENTERMINE: 2518, 3824
CHLORPROMAZINE: 167, 490, 538, 735, 759, 866, 1618, 1692, 2236, 2308, 2442, 2561, 2758, 2966, 3163, 3178, 3259, 3424, 3662, 3677, 3708, 3838, 3941, 4142, 4243, 4267, 4350, 4404, 4529, 4781
CHLORPROPAMIDE: 231, 1190, 3168, 3394, 3981, 4442
CHLORPROTHIXENE: 4350
CHLORTETRACYCLINE: 2431
CHLORTHALIDONE: 4386
CHOLANES: 355
CHOLANGIOGRAPHY: 2030, 2863
CHOLECALCIFEROL: 212, 749, 900, 1683, 1705, 1916, 2516, 3964, 4297-4298, 4564, 4606, 4668, 4775
CHOLECYSTECTOMY: 1452, 2467
CHOLECYSTITIS: 2467
CHOLECYSTOKININ: 316, 3266
CHOLELITHIASIS: 501, 4768
CHOLERA: 1191, 1449, 1795, 2399, 3858, 4104
CHOLERA VACCINE: 1030
CHOLESTANES: 355-356
CHOLESTASIS: 1329, 1436, 2247, 2374, 3469, 3499
CHOLESTENES: 358
CHOLESTEROL: 31, 97, 170, 242, 264, 288, 356, 400, 559, 584, 791, 926-927, 1114-1115, 1170-1171, 1174, 1202-1203, 1228, 1241, 1248, 1330, 1394, 1430, 1472, 1602, 1626, 1700, 1955, 1990, 2092, 2159, 2202, 2241, 2260, 2349, 2370, 2502, 2543, 2558, 2627, 2694, 2757, 2787, 2796, 2897, 2899, 3006, 3057, 3204, 3255, 3282, 3290, 3312, 3383, 3419, 3473, 3548, 3732, 3764, 3789, 3802, 3820, 3856, 3860, 3874-3875, 3936, 3952, 3972, 3976, 4072, 4078, 4162, 4258, 4271, 4322, 4428, 4669, 4768, 4798
CHOLESTEROL, DIETARY: 2899, 3006, 4162, 4271
CHOLESTYRAMINE: 3469
CHOLIC ACID: 1602, 2899, 3875
CHOLINE: 953, 1355, 2748, 2750, 2773
CHOLINESTERASE: 157, 860, 953, 3442
CHOLINESTERASE INHIBITORS: 34, 995, 2546, 2652, 2732, 3442, 3652
CHONDROCALCINOSIS: 109, 3478, 3602, 3910
CHONDRODYSTROPHIA CALCIFICANS CONGENITA: 790, 2290
CHONDROITIN: 94, 967, 1061, 1259, 2154, 2635, 3948, 4005, 4589
CHONDROMA: 3398, 4203
CHORDATA: 3833
CHORDOMA: 615, 2366
CHORDOTOMY: 3772
CHOREA: 205, 2103
CHOREA HEREDITARY: 2623, 2707
CHORIOADENOMA: 666, 1826, 2373, 3385
CHORIOCARCINOMA: 38, 175, 563, 590, 666, 918, 1035, 1166, 1353, 1660, 1826, 2373, 2391, 2752, 2935, 2938, 2993, 3217, 3385, 3857, 4092, 4791
CHORISTOMA: 1607, 2999
CHOROID: 3123
CHOROID PLEXUS: 3382, 3696
CHROMAFFIN SYSTEM: 579, 689, 1130, 1267, 1624, 2357, 2428-2429, 2704, 3158, 4406, 4780
CHROMATES: 3960
CHROMATIDS: 3605, 4373, 4522, 4540
CHROMATIN: 46, 247, 265, 764, 1337, 2061, 2106, 2414, 2990, 3519, 3605, 3612, 3969, 4025, 4286, 4298, 4478, 4522, 4540
CHROMATOGRAPHY: 36, 68, 147, 208, 268, 305, 555, 648, 942, 976, 996, 1132, 1307, 1375, 1447, 1582, 1616, 1639, 1731, 1778, 1835, 1862, 2106, 2113, 2128, 2153-2154, 2214, 2241, 2352, 2377, 2516, 2760, 2891, 2900, 2968, 3099, 3134-3135, 3144, 3335, 3368, 3399, 3436, 3611, 3646, 3743, 3822, 3849, 3874-3875, 3902, 4033, 4061, 4146, 4240, 4244, 4297, 4364, 4374, 4420, 4744
CHROMATOGRAPHY, AFFINITY: 811, 1617, 2593, 2655, 2913, 3902-3903, 4469
CHROMATOGRAPHY, DEAE-CELLULOSE: 32, 710, 1078, 1259, 1551, 1617, 1673, 1701, 1721, 2360, 2513, 2591, 2601, 3098, 3236, 3323, 3399, 3522, 3613, 3874-3875, 3897, 3903, 4193, 4227, 4279, 4432, 4469
CHROMATOGRAPHY, GAS: 28-30, 213, 272, 294, 346, 355-356, 497, 791, 868, 901, 908, 1067, 1109, 1455, 1477, 1696, 1731, 1778, 1953, 1967, 1994, 2007, 2031, 2041, 2455, 2462, 2540, 2547, 2610, 2783-2784, 2847-2848, 2977, 2983, 3040, 3061, 3312, 3405, 3414, 3517, 3531, 3554, 3609, 3611, 4256, 4309, 4398, 4422, 4460, 4487, 4584, 4602, 4605, 4646
CHROMATOGRAPHY, ION EXCHANGE: 75, 94, 167, 212, 337, 351, 451, 535, 673, 699, 776, 795, 1002, 1081, 1078, 1098, 1235, 1265, 1337, 1397, 1399, 1444, 1507, 1512, 1555, 1569, 1701, 1726, 1797, 1917, 1961, 2069, 2121, 2213, 2409, 2760, 2877, 3027, 3041, 3067, 3288, 3294, 3324, 3392, 3524, 3679, 3897, 4096, 4098, 4432, 4451, 4633
CHROMATOGRAPHY, PAPER: 19, 30, 170, 186, 193, 346, 425, 427, 465, 644, 699, 852, 894, 976, 1081, 1313, 1336, 1471-1472, 1673, 1731, 1797, 1804, 2086, 2114, 2135, 2276, 2370, 2409, 2547, 2588, 2635, 2675, 2694, 2983-2984, 3018, 3041, 3084, 3405, 3470, 3609, 3679, 3803, 3808, 3810, 3960, 4133, 4488, 4513, 4578, 4589, 4604, 4652, 4693
CHROMATOGRAPHY, THIN LAYER: 30, 93, 100, 110-111, 147, 170, 193, 213, 262, 264, 294, 355-356, 427, 460, 468-469, 497, 519, 633, 699, 764, 773, 801, 853, 884, 942, 948-949, 996, 1001-1002, 1008, 1018, 1027, 1050, 1109, 1170, 1269, 1323, 1346, 1445, 1448, 1507, 1513, 1561, 1701, 1711, 1717, 1815, 1916, 1942, 1977, 1999, 2007, 2063, 2104, 2107, 2172, 2250, 2253, 2266, 2359, 2362, 2455, 2498, 2530, 2547, 2549, 2643, 2694, 2718, 2780, 2916, 2953, 2983, 3041, 3312-3313, 3351, 3378, 3423, 3437, 3440, 3470, 3503, 3531, 3592, 3609, 3620, 3624, 3647, 3688, 3810, 3856, 3897, 3976, 3998, 4033, 4119, 4194, 4237, 4420, 4460, 4571, 4580, 4602, 4605, 4699
CHROMATOPHORES: 1948
CHROMIUM-COBALT ALLOYS: 556
CHROMIUM ISOTOPES: 320, 670, 744, 1125, 2418, 2421, 2567, 2589, 3421, 3589
CHROMOSOME ABERRATIONS: 135, 799, 917, 945, 1029, 1140, 1184, 1264, 1317, 1677, 1880, 1903, 2055, 2060, 2136, 2164, 2335, 2525, 2554, 2817, 2855, 2861, 2922, 2942, 3065, 3124, 3249, 3272, 3656, 3801, 4367, 4423, 4486, 4540, 4590, 4627, 4636, 4765
CHROMOSOME ABNORMALITIES: 386, 525, 799, 1205, 2683, 2861, 2942, 3124, 3249, 4244
CHROMOSOME MAPPING: 135, 265, 2060, 3180, 3471, 3605, 3905, 4054, 4144, 4728
CHROMOSOMES: 135, 230, 265, 554, 913, 945, 1006, 1674, 1677, 2077, 2136, 2554, 2686, 2942, 2987, 3105-3107, 3216, 3418, 3519, 3605, 3615, 3632, 4522, 4540, 4631, 4678
CHROMOSOMES, BACTERIAL: 3485
CHROMOSOMES, HUMAN, 1-3: 386, 553, 2987, 4367
CHROMOSOMES, HUMAN, 4-5: 1029, 3801
CHROMOSOMES, HUMAN, 6-12: 477, 553, 1140, 2987, 3593, 4324, 4367
CHROMOSOMES, HUMAN, 13-15: 799, 1029, 1722, 3124, 3801
CHROMOSOMES, HUMAN, 16-18: 161, 525, 553, 1029, 1176, 1722, 2987, 3801
CHROMOSOMES, HUMAN, 21-22: 799, 1029, 1722, 2055, 2861, 3801
CHRONIC DISEASE: 102, 132, 232, 312, 349, 516, 655, 686, 855, 934, 993, 1012, 1062, 1151, 1272, 1323, 1334, 1436, 1537, 1547, 1716, 1837, 2215, 2231, 2257, 2301, 2312, 2315, 2386, 2819, 2863, 3160, 3358, 3379, 3469, 3477, 3734-3735, 3785, 3804, 3899, 4056, 4143, 4319, 4336, 4451, 4463, 4591, 4691, 4771
CHYLE: 2968
CHYLOMICRONS: 862, 3820
CHYLOTHORAX: 1521
CHYMOTRYPSIN: 2409, 3679, 4096
CICATRIX: 847, 4471
CILIA: 1973, 2563, 4609
CILIARY BODY: 2005-2006
CINNAMATES: 3566
CIRCADIAN RHYTHM: 21, 99, 135, 150, 214, 307, 350, 496, 532, 689, 819, 1323, 1534, 1543, 1622, 1638, 1641, 1644, 1662, 1694, 1735, 1762, 1948, 1954, 1964, 1985, 2002, 2014, 2037, 2062, 2108, 2161, 2273, 2407, 2434, 2475, 2510, 2523, 2572, 2619, 2633, 2791, 2847-2848, 2857, 3064, 3092, 3162, 3194, 3282, 3430, 3600, 3748, 3804, 3876, 3908, 4014, 4070, 4074, 4109, 4115, 4179, 4212, 4321, 4388, 4398, 4492, 4508, 4539, 4551
CIRCULAR DICHROISM: 1018, 1628, 1680, 1691, 1751, 2761, 4422
CIRCUMCISION: 2789
CISTERNA MAGNA: 2487
CITRATE SYNTHASE: 1499
CITRATES: 175, 758, 1530, 1789, 2079, 2422, 2530, 2664, 2909, 3422, 4672
CITROVORUM FACTOR: 2935
CLAVICLE: 98, 447, 3509
CLEFT LIP: 1217, 3068, 4134
CLEFT PALATE: 93, 1217, 1429, 3068, 3094, 3721, 3847, 4134, 4765
CLEIDOCRANIAL DYSOSTOSIS: 790, 3065
CLIMACTERIC: 516, 2022, 2569, 2776, 2874, 2972, 3407, 3567, 3844, 4160, 4383
CLIMATE: 1878, 3598
CLINDAMYCIN: 417, 4732
CLINICAL RESEARCH: 35, 84, 234, 409, 488, 505, 559, 565, 787, 838, 882, 1022, 1036, 1198, 1386, 1524, 1566, 1642, 1792, 1811, 1963, 2067, 2493, 2566, 2568, 2577, 2707, 2943, 3038, 3112, 3130, 3286, 3302, 3685, 3736, 3975, 4107, 4188, 4223, 4523, 4702, 4761
CLITORIS: 173, 3413, 4158
CLOFIBRATE: 228, 364, 3617, 4238, 4271, 4379, 4503, 4755
CLOMIPHENE: 18, 466, 1053, 1082, 1216, 1226, 1286, 1825, 2182, 2581, 2647, 2664, 2731, 3193, 3576, 3668, 3675, 3770, 3828, 4377, 4398, 4552, 4638, 4707
CLONE CELLS: 124, 846, 1309, 1556, 1688, 1991, 2055, 2575, 2853, 3663, 4052, 4094, 4484, 4683
CLONIDINE: 665, 1522, 2073, 3285, 3562
CLOPAMIDE: 1087
CLOSTRIDIOPEPTIDASE A: 1471, 4432
CLOSTRIDIUM: 1602
CLOSTRIDIUM PERFRINGENS: 1191, 1259, 2106
CLOXACILLIN: 452, 3575
CLUBFOOT: 386, 3569, 4765
COAL TAR: 1164, 3446
COBALT: 974, 1301, 1399, 2816, 3156
COBALT ISOTOPES: 148, 662-663, 759, 761, 842, 1145, 2083, 2589, 3011, 3054, 3403, 3421, 4303, 4464
COBAMIDES: 2083
COCAINE: 49, 1474, 1546, 3981
COCCIDIOSIS: 4416
COCHLEA: 2446
COCKROACHES: 370, 1761
COCONUT: 4162, 4309
CODEINE: 4671
COELENTERATA: 2072, 3368
COENZYME A: 1170, 1499, 1673, 2085, 2547, 4078
COENZYME A SYNTHETASES: 1113
COENZYMES: 199, 2083
COGNITION: 234
COIN LESION, PULMONARY: 3855
COITUS: 118-119, 1020, 1053, 2230, 3535, 3591, 3823, 3896
COLCHICINE: 218, 1309, 1354, 1635, 2220, 3259, 3293, 3661, 3771, 4213, 4604, 4626, 4741-4742
COLD: 153, 423, 478, 573-574, 810, 1280, 1355, 1543, 1681, 1877, 2271, 2308, 2361, 2415, 2728, 3222, 3280

SUBJECT INDEX

COLD CLIMATE: 3222
COLECTOMY: 4774
COLIPHAGES: 1066, 2967
COLISTIN: 4396
COLITIS, ULCERATIVE: 410, 934, 1112, 2894, 3421, 4316
COLLAGEN: 212, 312, 369, 660, 679, 814, 1098, 1129, 1260, 1355, 1603, 1973, 2427, 2480, 3024, 3577, 3612, 3660, 3723, 3948, 3957, 4096, 4276, 4432, 4613
COLLAGEN DISEASES: 453, 1306, 1970, 3551, 4498
COLLOIDS: 601, 1851, 3429
COLOMBIA: 38
COLON: 85-87, 424, 769, 1037, 1227, 1268, 1624, 2548, 2600, 2813, 2894, 2926, 3305, 3421, 3493, 3580, 3860, 4496-4497
COLONIC DISEASES: 4774
COLONIC DISEASES, FUNCTIONAL: 1037, 2894
COLONIC NEOPLASMS: 155, 563, 1037, 2125, 2439, 2691, 3983
COLOR: 1987, 3569
COLOR BLINDNESS: 2749, 3777, 4556
COLORIMETRY: 535, 1702, 1918, 1964, 2028, 2816, 3514, 3910, 4347
COLOSTOMY: 2125
COLOSTRUM: 1259
COLPOSCOPY: 1494
COMA: 205, 234, 747, 1080, 1489, 3619, 4106
COMB AND WATTLES: 3817, 3852, 4722
COMMON BILE DUCT CALCULI: 2030
COMMUNICABLE DISEASE CONTROL: 2740
COMMUNICABLE DISEASES: 1870, 3654
COMMUNISM: 4358
COMMUNITY HEALTH SERVICES: 2420
COMPARATIVE STUDY: 71, 77, 175, 261, 276, 300, 331, 333, 409, 452, 464, 481, 535, 570, 601, 656, 750, 752, 838, 868, 930, 946, 949, 976, 996, 1005, 1073, 1105, 1137, 1164, 1179, 1181, 1195, 1210, 1239, 1283, 1360, 1432, 1444, 1512, 1637, 1642, 1671, 1675, 1686, 1881, 1917, 1943, 1984, 1997, 2053, 2108, 2121, 2132, 2212, 2253, 2266, 2280, 2324, 2401, 2427, 2524, 2552, 2581, 2589, 2822, 2834, 2839, 2925, 2943, 2954, 2983, 3006, 3027, 3080, 3093, 3195, 3245, 3286, 3389, 3528, 3575, 3577, 3603, 3708, 3731, 3788, 3792, 3817, 3836, 3857, 3863, 3879, 3884, 3898, 3913, 3974, 4039, 4111, 4167, 4176, 4188, 4255, 4271, 4445, 4518, 4568, 4707
COMPLEMENT: 114, 145, 194, 441, 586, 739, 1669, 2307, 2591, 3404, 4296, 4544, 4561
COMPLEMENT FIXATION TESTS: 32, 357, 407, 986, 1112, 1802, 3914, 4193, 4292, 4675
COMPOUND 48-80: 3242, 3462, 4217
COMPUTERS: 2961, 2987, 4146, 4849
COMPUTERS, ANALOG: 1753
COMPUTERS, DIGITAL: 8, 485, 1233, 1296, 2308, 2961, 3117, 4254, 4543, 4698, 4784
COMPUTERS, HYBRID: 2465
CONCANAVALIN A: 907, 2236, 4241
CONDITIONING, CLASSICAL: 521, 696, 2188, 3101, 3173, 3898, 4166, 4434
CONDITIONING, OPERANT: 47, 248, 397, 572, 775, 1633, 2076, 3125, 3566, 3626, 3940, 3972, 4064, 4474
CONDITIONING (PSYCHOLOGY): 562, 1909, 4674
CONDUCTOMETRY: 667
CONFLICT (PSYCHOLOGY): 3194
CONGRESSES: 1840, 2977, 4846
CONJUNCTIVA: 1363, 4705
CONNECTIVE TISSUE: 369, 518, 1220, 1249, 1421, 1838, 2460, 2789, 4427, 4623
CONNECTIVE TISSUE CELLS: 3188, 3612, 4504
CONSANGUINITY: 799, 3258
CONSCIOUSNESS: 234, 4223
CONSTIPATION: 1148, 1547, 3619
CONSTRICTION: 738, 1108, 1577, 1750, 1828, 3571, 3872
CONTACT INHIBITION: 462
CONTINGENT NEGATIVE VARIATION: 1080
CONTRACEPTION: 799, 1420, 1861, 2293, 2309, 2338, 4152, 4475
CONTRACEPTIVE AGENTS: 283, 791, 1053-1054, 1325, 1640, 2338, 2564, 2985, 2989, 3272, 3505, 3721, 4547
CONTRACEPTIVE DEVICES: 1745, 2010, 2309, 2338
CONTRACEPTIVES, ORAL: 120, 125, 138, 154, 433, 435, 643, 695, 897, 786, 857, 862, 867, 888, 923, 943, 1011, 1044, 1073, 1169, 1173-1174, 1180, 1183, 1241, 1319, 1330, 1420, 1425, 1451, 1456, 1494, 1531, 1575, 1597, 1630, 1670, 1693, 1745, 1783, 1858, 1861, 2000, 2010, 2112, 2157, 2199, 2260, 2277, 2291, 2309, 2338, 2351, 2361, 2412, 2420, 2430, 2446, 2463, 2478, 2582, 2611, 2637, 2677, 2703, 2730, 2822, 2852, 2937, 2972, 2989, 3038, 3177, 3212, 3220, 3249, 3277, 3299, 3326, 3391, 3417, 3442, 3459, 3499, 3536, 3607, 3667, 3685, 3732, 3756, 3768, 3781, 3853, 3896, 3949, 3953, 4055, 4071, 4110, 4152, 4162, 4306, 4378, 4391, 4394, 4401, 4426, 4475, 4513, 4523, 4530, 4541, 4691, 4704, 4768, 4779
CONTRACEPTIVES, POSTCOITAL: 1052, 2351
CONTRACTURE: 841, 2803
CONTRAST MEDIA: 113, 344, 1222, 2267, 2585, 3259, 4183
CONTUSIONS: 994
CONVULSIONS: 128, 607, 630, 741-742, 893, 1240, 1292, 1492, 1502, 1646, 1871, 1887, 2068, 2267, 2423, 3544, 3626, 3791, 4211, 4299, 4341, 4459, 4527
COOMBS' TEST: 1382
COPPER: 857, 1088, 1501, 1796, 2816, 2822, 3156, 3311, 3676, 3695, 3763, 3907, 4545
CORN: 371, 1274, 4482
CORNEA: 477, 1220, 1560, 1864, 2933, 4058
CORNEAL DYSTROPHIES: 477
CORONARY CIRCULATION: 1441, 1682
CORONARY DISEASE: 210, 296, 993, 1037, 1203, 1319, 2017, 2054, 2312, 2380-2381, 3391
CORONARY VESSELS: 331, 1407, 1441, 1682, 2584, 3318, 3579, 3971, 4428
CORPORA QUADRIGEMINA: 1231, 3155, 4273
CORPUS CALLOSUM: 1172, 1850, 4291, 4777
CORPUS LUTEUM: 105, 120, 283, 350, 398, 611, 620, 629, 631, 713, 792, 805, 817, 947, 959, 1043, 1054, 1057, 1170, 1461, 1496, 1708-1709, 1883, 1907, 2152, 2207, 2234, 2252, 2282, 2284, 2305, 2310-2311, 2313, 2369, 2424, 2488, 2540, 2585, 2572, 2646, 2928, 3055, 3276, 3430, 3699, 3719, 3740, 3863, 3873, 4009, 4133, 4249, 4264, 4442, 4509, 4531, 4551, 4571
CORPUS LUTEUM CYST: 440
CORPUS LUTEUM HORMONES: 2611
CORPUS STRIATUM: 368, 446, 577, 741, 835, 1142-1143, 1400, 1550, 1555, 1741-1742, 1856, 1945, 2102-2103, 3757, 4076, 4124
CORROSION: 4623
CORTICAL DESYNCHRONIZATION: 3928
CORTICAL SYNCHRONIZATION: 2465, 2982
CORTICOSTERONE: 19, 51, 57, 63, 86, 160, 288, 345-346, 422, 427, 457, 509, 532, 555, 595, 804, 926-927, 998, 1112, 1392, 1394, 1407, 1482, 1517, 1554, 1574, 1584, 1802, 1822, 1671, 1694, 1778, 1803, 1812, 1870, 1909, 1932, 1943, 2204, 2265-2266, 2515, 2528, 2550, 2580, 2619, 2636, 2641, 2670, 2718, 2762, 2921, 2929, 2964, 3002-3003, 3056, 3072, 3257, 3337, 3342, 3408, 3412, 3486, 3493, 3606, 3627, 3705, 3814, 3856, 3908, 3960, 4068, 4074, 4123, 4152, 4347, 4376, 4411, 4484, 4499, 4510, 4578, 4583
CORTICOTROPIN: 2, 19, 43, 50, 60, 99, 215, 240, 267, 308, 381, 416, 434, 488, 498, 509, 537, 595, 672, 677, 804, 818, 836, 893, 927, 998, 1017, 1082-1083, 1101, 1123, 1172, 1193, 1256, 1265, 1378, 1394, 1427, 1544, 1584, 1587, 1634, 1643, 1652, 1728, 1735, 1786, 1840, 1884, 1932, 1964, 1973, 2023, 2037, 2143, 2161, 2195, 2212, 2247, 2316, 2320, 2336, 2340, 2370, 2407, 2424, 2454, 2471, 2563, 2580, 2717, 2719, 2762, 2772, 2790, 2848, 2868, 2901, 2915, 2921, 2964, 3005, 3057, 3072, 3104, 3132, 3170, 3184, 3214, 3270, 3282, 3324, 3341 3342, 3345, 3476, 3483, 3486, 3498, 3583, 3599, 3606, 3629, 3669, 3743, 3773, 3794, 3799-3800, 3883, 3945, 3952, 3960, 4074, 4152, 4195, 4237, 4242, 4258, 4265, 4304, 4343, 4389, 4481, 4484, 4532, 4539, 4563, 4578, 4649, 4651, 4679, 4683
CORTICOTROPIN RELEASING FACTOR: 1694, 1932, 2528, 3341-3342, 3671, 4179, 4343, 4683
CORTISONE: 121, 145, 202, 428, 586, 642, 650, 676, 682-683, 966, 1118, 1217, 1241, 1281, 1321, 1407, 1438, 1494, 1552, 1558, 1802, 1855, 1923, 2044, 2062, 2126, 2162, 2266, 2278, 2294, 2371, 2422, 2845, 2856, 2773, 2790, 2868, 2886, 2915, 3053, 3104, 3157, 3324, 3483, 3525, 3589, 3669, 3937, 4058, 4060, 4075, 4081, 4161, 4290, 4312, 4330, 4411, 4428, 4472, 4510, 4537, 4578, 4583, 4601, 4697, 4797
CORYNEBACTERIUM: 1062, 1802
CORYNEBACTERIUM INFECTIONS: 2381
CORYNEBACTERIUM PYOGENES: 1062, 3314
COSMETICS: 1031, 2918
COSMIC RADIATION: 2920
COSTS AND COST ANALYSIS: 481, 3027, 3153, 3446, 4789
COTTON: 4031, 4400
COUMARINS: 1701, 4138, 4140, 4238
COUNSELING: 923, 1069, 1868
COUNTERCURRENT DISTRIBUTION: 2086
CRABS: 353, 471
CRANIAL NERVES: 827
CRANIAL SINUSES: 3382, 4189
CRANIOFACIAL DYSOSTOSIS: 72, 525, 4122, 4134, 4157, 4392, 4447
CRANIOPHARYNGIOMA: 26, 101, 200, 377, 517, 615, 675, 719, 1101, 1107, 1729, 2211, 2594, 2912, 3117, 3149, 3152, 3214, 3373, 3409, 3523, 3640-3641, 3831, 4501, 4525
CREATINE: 1076, 3392, 3871
CREATINE KINASE: 455, 1401, 2803, 3392, 3511, 4252, 4709
CREATININE: 125, 197, 296, 358, 369, 456, 584, 886, 1023, 1157, 1228, 1234, 1387, 1422, 1466, 1534, 1703, 1755, 1879, 1997, 2905, 3009, 3340, 3377, 3392, 3406, 3479, 3749, 3871, 4200, 4285, 4340, 4386, 4546
CRESOLS: 143, 326, 1915
CREUTZFELDT-JAKOB DISEASE: 235
CRIMINAL PSYCHOLOGY: 1880, 3020
CRITICAL PERIOD (PSYCHOLOGY): 3381
CRONOLONE: 813
CROP, AVIAN: 669, 4645
CROSS INFECTION: 803, 4596
CROSS REACTIONS: 60, 437, 816, 948-949, 965, 992, 1237, 1604, 1954, 2013, 2084, 2395-2397, 2474, 2598, 2877-2878, 2913, 3084, 3524, 3592, 3666, 3890, 3982, 4133, 4138, 4192, 4242, 4374, 4544, 4649, 4692, 4699, 4743
CROSSES, GENETIC: 1231, 3107, 3121, 3180, 3508, 4728
CROSSING OVER (GENETICS): 1205, 1779, 3508, 4540
CROTON OIL: 937
CROWDING: 1781, 3337
CRUSTACEA: 3418
CRYING: 2192
CRYING CAT SYNDROME: 1029, 3801
CRYOGENIC SURGERY: 905, 1706, 1864, 2343, 3601
CRYOGLOBULINS: 934, 1669
CRYOPROTECTIVE AGENTS: 1971
CRYOTHERAPY: 3725
CRYPTOCOCCOSIS: 291, 762
CRYPTOCOCCUS NEOFORMANS: 762
CRYPTORCHISM: 14, 123, 146, 262, 363, 381, 525, 924, 1204, 1246, 1292, 1631, 1649, 1911, 2227, 2824, 3085, 3094, 3207, 4035, 4122, 4392, 4573
CRYSTALLINS: 1851
CRYSTALLIZATION: 1047, 1561, 3115, 3423, 3470, 3602, 4420, 4693
CRYSTALLOGRAPHY: 1469
CUBA: 3738
CUES: 521, 2188, 3125, 3898, 4434
CULDOSCOPY: 3334
CULEX: 198, 4728
CULTURE: 3091
CULTURE MEDIA: 264, 462, 595, 653, 1205, 1529, 1627, 1663-1664, 1800, 1841, 1991, 2064, 2104, 2349, 2530, 2765, 2800, 2805, 2808, 2853, 2856, 3128, 3198, 3221, 3445, 3472, 3681, 3955-3956, 4079, 4184, 4565, 4683
CURARE: 2546
CURARE-LIKE AGENTS: 34, 221, 944, 1181-1182, 1219, 1452, 2851, 3083, 3652, 4112, 4387, 4414, 4444, 4702, 4750, 4769-4770
CURETTAGE: 38, 746, 1064, 1881, 1933, 2105, 2827, 2842, 3487, 3650, 3714, 3729-3730, 4533
CURRENT BIOG-OBIT: 74, 89, 313-314, 1659, 1695, 2292, 3026, 3769, 3911, 4801
CURRICULUM: 4766
CUSHING'S SYNDROME: 288, 527, 708, 827, 1017, 1080, 1083, 1169, 1605, 1849, 2008, 2340, 2371, 2538, 2897, 2923, 3057, 3108, 3132, 3629, 4172, 4242, 4268, 4388, 4539, 4572, 4651
CYANATES: 2034
CYANIDES: 355, 592, 1098, 1984, 2887, 3191, 3810, 4778
CYANOACRYLATES: 702

CYANOGEN BROMIDE: 75, 1160, 1371, 1651, 2034, 2409, 3679, 4096, 4279
CYANOSIS: 606, 1292
CYCLAZOCINE: 42
CYCLIC N-OXIDES: 2051, 2090, 3951, 4289
CYCLIC P-OXIDES: 871, 1131, 2178
CYCLIZATION: 213, 3115, 4063
CYCLOFENIL: 902, 1825, 2581
CYCLOHEPTANES: 2337
CYCLOHEXANE: 1838
CYCLOHEXANECARBOXYLIC ACIDS: 791
CYCLOHEXIMIDE: 202, 429, 846, 1124, 1171, 1201, 1475, 1789, 1857, 2025, 2139, 2143, 2162, 2207, 2220, 2336, 2414, 2454, 2545, 2605, 2614, 2636, 2760, 2797, 3248, 3440, 3498, 3561, 3599, 3661, 4010, 4115, 4297, 4361, 4376, 4463, 4550, 4697, 4733
CYCLOPARAFFINS: 3290
CYCLOPENTANE: 1175, 1455, 2395, 3487, 4502
CYCLOPHOSPHAMIDE: 104, 148, 249, 392, 408, 494, 701, 714, 945, 1010, 1476, 1655, 1732, 2044, 2218, 2534, 2711, 2925, 3106, 3193, 3217, 3278, 3374, 3383, 3469, 3474, 3578, 3812, 3866, 3884, 3917, 4059, 4069, 4204, 4207, 4464, 4566, 4581, 4730
CYCLOSTEROIDS: 1696
CYCLOSTOMES: 238, 1948-1949, 2720
CYLINDROMA: 3800
CYPRINIDAE: 2272, 4332
CYPROHEPTADINE: 1525, 1537, 1571, 2350, 3424, 4714
CYPROTERONE: 327, 418-419, 828, 1009, 1042, 1366, 1588, 1951, 2009, 2618, 3358, 3766, 3770, 4046, 4120, 4371, 4480, 4613
CYSTADENOCARCINOMA: 802, 965, 2004
CYSTADENOMA: 4656
CYSTADENOMA, MUCINOUS: 802, 2205, 2356, 3046
CYSTADENOMA, PAPILLARY: 4095
CYSTAMINE: 1753, 2936
CYSTEINE: 121, 734, 1961, 2612, 2777-2778, 3018, 3067, 4335, 4715
CYSTIC FIBROSIS: 1353, 2406, 4164, 4765
CYSTINE: 1362, 2924
CYSTINURIA: 4126
CYSTITIS: 724, 1689, 2531
CYSTOSARCOMA PHYLLODES: 4065
CYSTOSCOPY: 3256, 4511
CYSTS: 347, 615-616, 981, 1107, 1283, 1678, 2376, 2541, 3236, 4000, 4525
CYTARABINE: 104, 1150, 1435, 1655, 2711, 3189, 3785, 4107, 4731
CYTIDINE: 682, 1004, 2204
CYTOCHALASIN B: 651, 1354, 1635, 3293, 3771, 4213, 4742
CYTOCHALASINS: 2049
CYTOCHROME C: 1074, 3252, 4168, 4272, 4654
CYTOCHROME OXIDASE: 321, 1088, 2004, 2074, 2811, 4272
CYTOCHROME P-450: 57, 297, 487, 532, 1227, 1356, 1622, 1671, 1955, 3415, 3606, 3832, 3874-3875, 4173, 4194
CYTOCHROME REDUCTASES: 297, 1074, 2274, 3312, 4654
CYTOCHROMES: 2698, 3561
CYTODIAGNOSIS: 22, 177, 333, 958, 1210, 1359, 1494, 1596, 2094, 2420, 3821, 4567
CYTOGENETICS: 2055, 2335, 2942, 3249, 3905, 4244
CYTOLOGICAL TECHNICS: 333, 2217, 4184
CYTOMEGALIC INCLUSION DISEASE: 3821
CYTOMEGALOVIRUSES: 1112, 3821
CYTOPATHOGENIC EFFECT, VIRAL: 1112, 2232, 3811
CYTOPLASM: 69, 78, 279, 321, 323, 336, 362, 414, 484, 579, 595, 651, 700, 707, 891, 1168, 1295, 1303, 1617, 1678, 1750, 1806, 2460, 2536, 2698, 3193, 3248, 3616, 3729, 3811, 3822, 4025, 4216, 4298, 4311, 4373, 4455
CYTOPLASMIC GRANULES: 323, 865, 1057, 1194, 1486, 1516, 1834, 2065, 2196, 2207, 2536, 2563, 2704, 2849, 3103, 3158, 3248, 3519, 4684
CYTOSINE: 291
CYTOSINE NUCLEOTIDES: 273, 284, 1316, 1777, 2178 2212, 2675
CYTOSOL: 88, 247, 406, 485, 497, 726, 730, 1296, 1482, 1499, 1561, 1583, 1674-1675, 1895, 1974, 2212, 2389, 2411, 2450, 2550, 2559, 2614, 2768, 2797, 2834, 2945, 3060, 3284, 3323, 3434, 3901, 3903, 3998, 4066, 4105, 4119, 4262, 4298, 4457, 4538, 4607
CYTOTOXICITY TESTS, IMMUNOLOGIC: 744, 1635, 2421, 3009, 3126, 3589, 4104, 4221, 4496, 4544
CZECHOSLOVAKIA: 2335, 3769, 3911

D

DACTINOMYCIN: 378, 408, 429, 644, 906, 1035, 1124, 1297, 1857, 2025, 2057, 2162, 2405, 2414, 2595, 2797, 2823, 3212, 3217, 3456, 3498, 3561, 3687, 3726, 3787, 3916, 3987, 4115, 4297, 4361, 4376, 4550
DANSYL COMPOUNDS: 699, 1002, 1078, 1513, 1651, 1961, 2953, 3067, 3134-3135
DAPSONE: 876, 1531, 4397
DARKNESS: 353, 1662, 1855, 2572, 2619, 4070
DATA DISPLAY: 2541, 2961
DAUNOMYCIN: 1867, 2055, 2689, 3189, 4107
DDD: 3486, 4109, 4651
DDE: 721, 4109
DDT: 721, 2200, 3240, 3832, 4109, 4457
DE LANGE'S SYNDROME: 2923
DEAF-MUTISM: 985
DEAFNESS: 1381
DEAMINATION: 922, 1008, 1428, 1955
DEATH: 1401, 3935
DEATH, SUDDEN: 2289, 3491, 4035, 4056
DECALCIFICATION, PATHOLOGIC: 2385
DECAMETHONIUM COMPOUNDS: 4215
DECARBOXYLATION: 3238, 4187
DECEREBRATE STATE: 1234, 1489, 3289
DECIDUA: 342, 1708, 2564-2565
DECISION MAKING: 44, 223
DECONTAMINATION: 4167
DEFECATION: 3626
DEFENSE MECHANISMS: 2229
DEFICIENCY DISEASES: 132, 303, 371, 1770, 2058, 2390, 2764, 3311, 3355, 4478, 4792
DEGLUTITION DISORDERS: 1148, 3075
DEHYDRATION: 695, 1239, 3521, 3835, 3993, 4315, 4747
DEHYDROEPIANDROSTERONE: 36, 262, 279, 284, 356, 657, 908, 1115-1116, 1370, 1681, 1711, 1724, 1803, 1973, 2093, 2694, 2742, 2807, 3077, 3147, 3184, 3595, 3739, 4006-4008, 4023, 4476, 4547, 4669
DELAYED-ACTION PREPARATIONS: 283, 2294, 2646, 2901, 2985, 3487
DELIVERY: 779, 1372, 1931, 2373, 2884, 3175, 3212, 3995, 4023, 4285
DELIVERY OF HEALTH CARE: 4766
DEMECOLCINE: 1164
DEMENTIA, PRESENILE: 200
DEMETHYLCHLORTETRACYCLINE: 1996, 2715
DEMOGRAPHY: 3896
DENDRITES: 860, 3553, 3720
DENERVATION: 40, 184, 798, 1268, 1433, 3466, 4390
DENMARK: 3020-3021
DENSITOMETRY: 50, 2170, 2433, 2708, 2811, 2864, 3445, 4054, 4327
DENSITOMETRY, X-RAY: 925, 1311, 1468
DENTAL CARIES: 2463, 2723, 2743-2744, 3934
DENTAL CARIES SUSCEPTIBILITY: 2743-2745
DENTAL ENAMEL: 1047, 2599, 3187, 3590
DENTAL PROSTHESIS: 1129
DENTAL PULP: 1996
DENTIN: 1047, 4080
DENTIN SENSITIVITY: 4410
DEOXYCHOLIC ACID: 1074, 1602, 2090, 2899
DEOXYRIBONUCLEASE: 16, 88, 247, 335, 1437, 1674, 2006, 3355, 3456, 3515
DEOXYURIDINE: 4370
DEPERSONALIZATION: 2101
DEPRESSION: 21, 47, 136, 173, 1073, 1438, 1451, 1542, 1562, 2277, 2354, 2552, 2874, 3035, 3475, 3684, 3891, 4172, 4305
DEPRESSION, CHEMICAL: 37, 45, 66, 83, 97, 174, 185, 222, 258, 318, 330, 393, 434, 513, 530-531, 581, 665, 671, 735, 785, 807-809, 873, 909, 919, 962, 1017, 1061, 1063, 1144, 1348-1349, 1400, 1518-1519, 1544, 1555, 1559, 1568, 1627, 1652, 1889, 1896, 1907, 1921, 2001, 2005, 2015, 2036, 2066, 2113, 2124, 2147, 2176, 2283, 2303, 2358, 2441, 2489, 2505-2506, 2543, 2583, 2586, 2765, 2813-2814, 2889, 2916, 2932, 3057, 3061, 3170, 3197, 3266, 3394, 3427, 3437, 3536, 3577, 3610, 3645, 3672-3673, 3709, 3755, 3771, 3795, 3813, 3832, 3924, 4029, 4079, 4087, 4094, 4140, 4205, 4294-4295, 4321-4322, 4343, 4364, 4400, 4472, 4485, 4532, 4536, 4699, 4744
DEPRESSION, REACTIVE: 84, 1285
DERMATITIS: 3130, 4591
DERMATITIS, ATOPIC: 3446
DERMATITIS, CONTACT: 596, 3447, 3736, 4055
DERMATITIS HERPETIFORMIS: 596, 876, 1531
DERMATITIS MEDICAMENTOSA: 409, 3032, 3656, 4055, 4366, 4396
DERMATOGLYPHICS: 386, 558, 985, 1367, 1722, 1769, 2449, 2794, 2861, 3738, 4134
DERMATOLOGIC AGENTS: 1393, 4055, 4375
DERMATOMYCOSIS: 1161, 2122
DERMATOMYOSITIS: 201, 409, 453, 1436, 2690, 2803, 3715, 4473
DERMATOPHYTES: 1655
DERMOID CYST: 1038, 2173, 3946
DESCEMET'S MEMBRANE: 1864
DESENSITIZATION: 1030, 1193, 1940, 3447
DESERT CLIMATE: 263
DESIPRAMINE: 40, 367, 866, 1557, 1937, 4086-4087
DESMOSOMES: 2536, 2563, 3742
DESOXYCORTICOSTERONE: 204, 267, 346, 365, 578, 656, 720, 873, 926-927, 1256, 1272, 1295, 1407, 1554, 1558, 1626, 1648, 2005-2006, 2033, 2615, 2728, 2964, 2988, 3056, 3236, 3339, 3493, 3856, 3960, 4058, 4219, 4419, 4484, 4577
DETERGENTS: 341, 4657
DEUTERIUM: 1002, 1354, 1455, 2285, 2784, 3452, 4198, 4602, 4609
DEXAMETHASONE: 35, 234, 247, 258, 285, 290, 591, 653, 726, 759, 784, 804, 911, 992, 998, 1017, 1101, 1103, 1117, 1252, 1256, 1286, 1394, 1466, 1470, 1482, 1515, 1520, 1552, 1585, 1674-1675, 1735, 1744, 1838-1839, 1974, 1992, 2009, 2033, 2037, 2093, 2105, 2140, 2240, 2317-2318, 2426, 2437, 2450, 2454, 2550, 2714, 2768, 2794, 2850, 2873, 2895, 2931, 2956, 3028, 3057, 3130, 3154, 3196, 3331, 3379, 3424, 3551, 3688, 3696, 3785-3786, 3814, 3893, 3901, 3908, 4018, 4045, 4074, 4223, 4262, 4281, 4389, 4484, 4507, 4518, 4532, 4612, 4679, 4752, 4804
DEXTRAN: 88, 698, 952, 1296, 1537, 1648, 2389, 2559, 2593, 3072, 3236, 3293, 3666, 3974
DEXTRO AMPHETAMINE: 40, 558-559, 775, 1190, 1525, 2533
DIABETES INSIPIDUS: 64, 228, 231, 364, 1022, 1239, 1326, 1381, 2210, 2298, 2402, 2715, 2889-2890, 3050, 3133, 3138, 3152, 3394, 3524, 3640, 4171, 4747
DIABETES MELLITUS: 106, 163, 271, 291, 374, 508, 803, 811, 1180, 1385, 1406, 1466, 1704, 1739, 1810, 1821, 1958, 2054, 2126, 2144, 2230, 2350, 2371, 2443, 2480, 2520, 2632, 2663, 2757, 2828, 3064, 3332, 3389, 3441, 3460, 3839, 4106, 4153, 4161, 4190, 4342-4343, 4388, 4398, 4468
DIABETES MELLITUS, JUVENILE: 1331, 1361, 1365, 1381, 2380, 2520, 2561, 3776, 4021, 4160-4161, 4343
DIABETIC ANGIOPATHIES: 210, 2142, 2520, 2757, 3282, 3357, 3947-3948, 4428, 4608
DIABETIC COMA: 1908
DIABETIC DIET: 163
DIABETIC NEPHROPATHIES: 163, 2380, 3357
DIABETIC NEUROPATHIES: 2380, 2701
DIABETIC RETINOPATHY: 2126, 2380, 2520, 2757, 3209, 3218, 3282, 3947, 4755
DIACETYLMORPHINE: 438, 1372, 2473, 4576
DIAGNOSIS, COMPUTER ASSISTED: 1353, 3075, 3930
DIAGNOSIS, DIFFERENTIAL: 22, 38, 46, 91, 141, 169, 201, 347, 361, 377, 517, 596, 609, 623, 658, 703, 897, 912, 980, 1037, 1149-1150, 1169, 1306, 1359, 1470, 1495, 1599, 1605, 1618, 1697, 1719, 1820, 1870, 1987, 2007, 2046, 2059, 2183, 2198, 2233, 2290-2291, 2298, 2300, 2385, 2398, 2435, 2467, 2491, 2639, 2649, 2671, 2691, 2710, 2725, 2729, 2789, 2860-2861, 2874, 2888, 2994, 3085, 3243, 3279, 3289, 3330, 3373, 3376, 3398, 3444, 3458, 3550, 3655, 3658, 3703, 3715, 3749, 3889, 3892, 3920, 4050, 4084, 4093, 4148-4149, 4203, 4248, 4252, 4314, 4336, 4396, 4436, 4521, 4562, 4753, 4756, 4791, 4803
DIAGNOSIS, LABORATORY: 4562
DIAGNOSIS, SURGICAL: 2994, 3254
DIAGNOSTIC ERRORS: 255, 623, 2785, 2994, 3085
DIALYSIS: 685, 776, 938, 1074, 1617, 2415, 2891, 3284, 3345, 3434, 3436, 3661, 3705, 4227, 4538, 4543

SUBJECT INDEX

DIAPHRAGM: 1362, 1417, 3008, 4215, 4348
DIARRHEA: 270, 399, 464, 778, 869, 1037, 1044, 1191, 1207, 1571, 1795, 1824, 1881, 2290, 2392, 2398-2399, 3011, 4275, 4397
DIATHERMY: 1094
DIATRIZOATE: 6, 2210, 2884, 3085
DIAZEPAM: 176, 4665
DIAZONIUM COMPOUNDS: 2953
DIAZOXIDE: 85, 2073, 2858, 3343
DIBENAMINE: 86, 1234, 3030, 4002
DIBENZAZEPINES: 835, 1555, 2843, 2966, 3980, 4305
DIBENZOCYCLOHEPTENES: 63
DIBENZOXAZEPINES: 1063
DIBUCAINE: 3259
DICHLOROISOPROTERENOL: 340, 1565
DICHLORVOS: 3348
DICYCLOHEXYLCARBODIIMIDE: 962
DIELDRIN: 3832, 4457
DIENCEPHALON: 180, 223, 772, 911, 1084, 1280, 1550, 1968, 2032, 2100, 2368, 2915, 3580, 4145, 4171, 4232, 4594
DIET: 27, 198, 402, 515, 727, 768, 818, 822, 898, 900, 954, 1141, 1186, 1274, 1422, 1486, 1490, 1527, 1644, 1715, 1940, 2076, 2135, 2295, 2322, 2388, 2390, 2393, 2404, 2681, 2786, 2947, 2970, 3006, 3056, 3156, 3183, 3311, 3406, 3464-3465, 3477, 3610, 3932, 4083, 4115, 4197, 4438, 4482, 4545, 4744, 4792
DIET, ATHEROGENIC: 3204, 4428
DIET, CARIOGENIC: 2463, 2723
DIET, REDUCING: 727, 1712, 2661, 4283
DIET, SALT-FREE: 258, 456, 728, 873, 1087, 1433, 2073, 2317, 3562
DIET THERAPY: 369, 410, 1187, 1334, 1521, 1940, 1958, 3255, 3410, 3507, 3805, 4151, 4231
DIETARY CARBOHYDRATES: 229, 2388, 2543, 3776
DIETARY FATS: 163, 371, 1579, 1833, 2543, 3776, 4162, 4309
DIETARY PROTEINS: 402, 853, 898, 1070, 1345, 1833, 2388, 2390, 2543, 2553, 2743-2745, 4478
DIETETICS: 512, 1089, 1776
DIETHYLCARBAMAZINE: 587, 1099
DIETHYLSTILBESTROL: 222, 621, 694, 826, 848, 1164, 1198, 1792, 2347, 2414, 2472, 3031, 3137, 3251, 3311, 3740, 4158, 4371, 4380, 4570, 4760
DIFFUSION: 471, 1025, 2344, 3327, 3825, 4141, 4289, 4550
DIGESTION: 766
DIGESTIVE SYSTEM: 780, 1222, 1452, 2570, 3962
DIGITALIS: 2176, 3614
DIGITALIS GLYCOSIDES: 184, 455, 2176, 2508, 3614, 4529, 4641, 4785
DIGITONIN: 353
DIGITOXIN: 950
DIGOXIN: 950, 1051, 1298, 3093, 3614, 4091
DIHYDROSTREPTOMYCIN: 1350
DIHYDROTACHYSTEROL: 69, 745, 2119
DIHYDROXYCHOLECALCIFEROLS: 467, 618, 644, 749, 1118, 1294, 1377, 2322, 3806, 3964, 4297-4298, 4795
DIHYDROXYPROGESTERONE: 3798
DIIODOTYROSINE: 1146, 2121, 2274, 2324, 3025, 4687
DILATATION: 176, 399, 464, 738, 778, 809, 882, 1658, 1736, 1933, 2105, 2579, 2827, 2842, 3441, 3571, 3601, 4774
DIMERCAPROL: 1097, 4806
DIMETHISTERONE: 862
DIMETHYL SULFOXIDE: 1646, 1728, 2041, 2887, 2936, 3412, 3771, 4100, 4408, 4514
DIMETHYLAMINES: 162, 1838, 2326
DIMETHYLAMINOAZOBENZENE: 1141, 3477, 4345
DIMETHYLTRYPTAMINE: 4350
DINITROCRESOL: 2200
DINITROPHENOLS: 1727, 1938, 1984, 2550, 2705, 3191, 3370, 3810, 4615
DIOXOLES: 626-627, 1400, 4218
DIPHENHYDRAMINE: 1692, 3063, 3237, 4713
DIPHENOL OXIDASES: 1285, 2442, 2474, 2557, 3227, 4585
DIPHENYLHYDANTOIN: 480, 950, 1136, 1190, 1269, 1893, 2329, 2423, 2449, 2821, 3300, 3483, 3985, 4759-4760
DIPHTHERIA TOXIN: 1652
DIPLOCOCCUS PNEUMONIAE: 2995
DIPLOIDY: 2055, 2164, 3107, 3216
DIPTERA: 135, 265, 310, 3605
DIPYRIDAMOLE: 875, 1015, 3024
DIROFILARIASIS: 1601, 3103, 4728
DISCRIMINATION: 2098
DISCRIMINATION LEARNING: 209, 223, 521, 1633, 2204, 3940, 4070
DISEASE MODELS, ANIMAL: 41, 47, 166, 214, 298, 928, 1154, 1418, 1530, 1537, 1648, 1802, 1854, 1908, 2103, 2163, 2477, 2929, 2952, 3126, 3194, 3267, 3325, 3357, 4300, 4428, 4482, 4593, 4619, 4705, 4728, 4792
DISEASE OUTBREAKS: 1414, 4596
DISEASES IN TWINS: 2828, 3049, 3760
DISGERMINOMA: 117, 175, 550, 842, 881, 918, 1035, 1045, 1110, 1649, 1738, 1819, 2205, 2699, 2721, 3558, 4431, 4747
DISINFECTANTS: 803
DISLOCATIONS: 994
DISODIUM CROMOGLYCATE: 488, 587, 787, 1099, 1998, 2644, 3215, 3306, 3702, 3751, 4217
DISPOSABLE EQUIPMENT: 976
DISSECTION: 4573
DISSEMINATED INTRAVASCULAR COAGULATION: 435, 748, 1051, 1100, 2073, 2291, 2361, 2827, 2995, 4546
DISULFIDES: 665, 1915, 3067
DISULFIRAM: 1473, 4310, 4527
DITHIOTHREITOL: 699, 3498
DIURESIS: 150, 364, 384, 511, 581, 656, 684, 1008, 1021-1022, 1144, 1648, 1676, 1746, 1836, 2209, 2489, 2889, 3037, 3129, 3133, 3227, 3394, 3524, 4532, 4587
DIURETICS: 231, 698, 728, 995, 1051, 1087, 1190, 2145, 2665, 3760, 4126, 4231, 4238, 4562, 4608, 4641
DIVERTICULOSIS, COLONIC: 1037, 3395
DNA: 88, 135, 215, 247, 265, 298, 335, 543, 632, 911, 1004, 1070, 1079, 1114, 1168, 1205, 1337, 1342, 1475, 1617, 1678, 1764, 1888, 1897, 2062, 2106, 2166, 2236, 2509, 2593, 2711, 2745, 2946, 2952, 2990, 3221, 3271, 3355, 3400, 3422, 3426, 3508, 3605, 3613, 3615, 3678, 3746, 3948, 3972, 4032, 4120, 4185, 4263, 4311, 4327, 4348, 4373, 4493, 4500, 4522, 4540, 4798
DNA, BACTERIAL: 335, 448, 2106, 3485
DNA, CIRCULAR: 3508
DNA, NEOPLASM: 78, 645, 1549, 1678, 4107
DNA NUCLEOTIDYL- TRANSFERASES: 215, 451, 1617
DNA REPLICATION: 215, 265, 553, 3605, 3615
DNA, SINGLE STRANDED: 88
DNA, VIRAL: 2967, 3785
DOG DISEASES: 244, 687, 1207, 1466, 2035, 2298, 3095, 3262, 3752, 4572
DOGS: 4, 47, 49, 66, 81, 107, 114, 150, 165, 209, 224, 227, 244, 254, 270, 290, 326, 331, 337, 439, 455, 457, 459, 483, 502, 521, 551, 556-557, 570, 579, 585, 630, 646, 684, 687, 689, 691, 702, 728, 730, 758, 791, 885, 920, 1003, 1021, 1026, 1034, 1051, 1138, 1152, 1196, 1207, 1235, 1290-1291, 1321, 1325, 1387, 1391, 1407, 1433, 1441, 1466, 1491, 1525, 1546, 1577, 1583, 1590, 1648, 1676, 1752, 1828-1830, 1852, 1859, 1907, 1923, 1925, 2014, 2032, 2035, 2049, 2092, 2096, 2129-2130, 2149, 2175, 2202, 2209, 2298, 2308, 2350, 2372, 2427-2429, 2431-2432, 2489, 2508, 2574, 2579, 2615, 2753, 2767, 2786, 2835, 2898, 2902, 2968, 2988, 3030, 3059, 3070, 3078, 3081-3082, 3090, 3095, 3103, 3118, 3159, 3222, 3225, 3259, 3288, 3319, 3324, 3375, 3417, 3440, 3486, 3546, 3565, 3584, 3604, 3626, 3636, 3657, 3669, 3696, 3721-3722, 3752, 3763, 3807, 3850, 3865, 3872, 3878, 3921, 3928, 3948, 4018, 4024, 4041, 4048, 4082, 4088, 4102, 4169, 4200, 4206, 4259, 4267, 4302, 4325, 4331, 4380, 4497, 4572, 4582, 4658, 4672, 4698, 4728, 4735, 4758, 4763, 4781, 4792
DOMINICAN REPUBLIC: 3253
DOPA: 143, 188, 205, 250, 446, 576-577, 665, 725, 732, 1143, 1198, 1801, 1917, 1960, 1968, 1981, 1992, 2007, 2098, 2102, 2194, 2281, 2511, 2695, 2766, 3088, 3301, 3448, 3757, 3941, 4015, 4243, 4310, 4314, 4377, 4405, 4444, 4458, 4562-4563, 4585, 4593, 4686, 4785
DOPA DECARBOXYLASE: 143, 1143, 1261
DOPAMINE: 81, 165, 222, 238, 290, 372, 380, 446, 490, 576-577, 665, 725, 735, 772, 785, 835, 956, 1007, 1058, 1143, 1198, 1268, 1358, 1400, 1412, 1459-1460, 1473, 1621, 1662, 1741-1742, 1761, 1786-1787, 1793, 1840, 1856, 1928, 1937, 1960, 1981, 1992, 2068, 2098, 2103, 2107, 2299, 2304, 2306, 2350, 2364, 2607, 2623, 2657, 2815, 2832, 2843, 2906-2908, 2932, 2959-2960, 2966, 3088, 3114, 3158, 3232, 3301, 3624, 3757, 3865, 4064, 4124, 4218, 4273, 4335, 4404-4405, 4527, 4529, 4563, 4758
DOPAMINE BETA HYDROXYLASE: 665, 735, 775, 1261, 1557, 1915, 2273, 3461, 3966, 4404-4405
DOSAGE FORMS: 500, 3226, 3348
DOSE-RESPONSE RELATIONSHIP, DRUG: 80, 93, 158, 209, 242, 257, 315-316, 322, 330, 387-388, 405, 461, 463, 530, 544, 546, 627, 645-647, 690, 701, 742, 769-770, 791, 804, 806, 808, 810, 817, 825, 875, 882, 936, 969, 979, 1015, 1023, 1043, 1046, 1081, 1099, 1126, 1136, 1138, 1142, 1145, 1195, 1288, 1320, 1335, 1392, 1475, 1492, 1527, 1533, 1568, 1593, 1632, 1663, 1688, 1692, 1770, 1789, 1881, 1914, 1924, 1974, 1982-1983, 2006, 2066, 2088, 2179, 2261, 2271, 2285, 2336, 2349, 2365, 2369, 2403, 2441, 2450, 2474, 2532, 2574, 2581, 2584, 2746, 2764, 2843, 2867, 2931-2932, 2960, 2970, 2998, 3037, 3061, 3063, 3144, 3149, 3152, 3174, 3188, 3197, 3318, 3342, 3424, 3434, 3455, 3498, 3554, 3559, 3566, 3645, 3663, 3672-3674, 3689, 3708, 3717, 3732, 3753, 3755, 3757, 3770, 3783, 3787-3788, 3813, 3824, 3837, 3871, 3904, 3923, 3928, 4015, 4029, 4039, 4064, 4079, 4113, 4120, 4152, 4188, 4202, 4213, 4215, 4302, 4313, 4354, 4420, 4438, 4457, 4497, 4593, 4638, 4647, 4668, 4692, 4703, 4729, 4738, 4797
DOSE-RESPONSE RELATIONSHIP, RADIATION: 1145, 1391, 1514, 1529, 1808, 2135, 2685, 2949, 3403, 4486, 4636
DOXYCYCLINE: 2312, 3171, 4369
DRAINAGE: 417, 728, 3805, 4429, 4641
DREAMS: 3600, 4150
DRINKING: 40-41, 397, 572, 2226, 3037, 3114, 3125, 3940, 4070, 4491-4492
DRINKING BEHAVIOR: 384, 397, 1142, 2226, 3114, 3366, 3504, 4145, 4664
DRIVE: 4491
DROMOSTANOLONE: 4188
DROPERIDOL: 4700
DROSOPHILA: 4054
DROSOPHILA MELANOGASTER: 135, 265, 504, 533, 1764, 1918, 2458, 3180, 3346, 3508, 3515, 3605, 4054, 4423, 4540, 4636
DRUG ABUSE: 214, 306, 672, 1728, 2230, 2895
DRUG ADDICTION: 41, 1372, 2917, 3830, 3985, 4671
DRUG AND NARCOTIC CONTROL: 943, 4541
DRUG ANTAGONISM: 430, 1097, 1403, 2258, 2711, 4064, 4238
DRUG COMBINATIONS: 35, 125, 285, 382, 561, 583, 815, 862, 1106, 1220, 1281, 1330, 1435, 1655, 1670, 1816, 1852, 1916, 2331, 2648, 2711-2712, 3220, 3257, 3607, 3656, 3685, 3768, 3770, 4071, 4162, 4173-4174, 4176, 4280, 4341, 4762-4763
DRUG COMPOUNDING: 4401, 4467
DRUG HYPERSENSITIVITY: 65, 162, 344, 1117, 1193, 2918, 4016, 4396, 4754
DRUG INDUSTRY: 2918
DRUG INTERACTIONS: 103, 209, 221, 372, 442, 487, 583, 806, 822, 950, 995, 1058, 1086, 1139, 1174, 1186, 1335, 1354, 1646, 1910, 1968, 2359, 2384, 2706, 2845, 2960, 3102, 3723, 3791, 3935-3936, 3981, 4055, 4215, 4224, 4238, 4293, 4444, 4527, 4782
DRUG RESISTANCE: 367, 498, 1418, 2218, 2715, 2935, 3133, 4214
DRUG RESISTANCE, MICROBIAL: 447-448, 1414, 4333
DRUG STABILITY: 293, 329, 387, 484, 681-683, 1296, 1373, 1561, 1663-1664, 1688, 2395, 2415, 2532, 3323, 3637, 3796, 3875, 4061, 4193, 4555
DRUG STORAGE: 3688, 4458
DRUG SYNERGISM: 63, 380, 385, 392, 431, 646, 698, 731, 741, 777, 808, 875, 962, 1015, 1162, 1179, 1288, 1335, 1431, 1504, 1525-1526, 1546, 1568, 1686, 1690, 1937, 1982-1983, 2003, 2258, 2268, 2336, 2339, 2384, 2424, 2481, 2506, 2533, 2574, 2630, 2843, 2914, 2960, 3139, 3170, 3336, 3394, 3576, 3578, 3757, 3817, 3954, 4111, 4227, 4238, 4404, 4463, 4593, 4608-4609, 4703, 4722, 4737, 4770
DRUG THERAPY: 1659, 1868, 2345, 2740, 2820, 2993, 4541, 4759, 4785
DRUG TOLERANCE: 561, 626, 732, 1073, 1240, 2959, 3722, 4019, 4499, 4770
DRUG UTILIZATION: 4401
DRUG WITHDRAWAL SYMPTOMS: 672, 1398, 3985, 4044, 4499, 4534, 4671
DRUGS: 297, 443, 1077, 1190, 1245, 1356, 1916,

1955, 2002, 2345, 2820-2821, 2992, 3226, 3415, 4396, 4444, 4625, 4759, 4806
DRUGS, NON-PRESCRIPTION: 1190
DTPA: 4167
DUCKS: 1785, 3832, 4302
DUMPING SYNDROME: 2835, 4595, 4714
DUODENAL NEOPLASMS: 3818
DUODENAL ULCER: 593, 1272, 1863, 2120, 3669
DUODENUM: 29, 403, 589, 749, 766, 1118, 1267-1268, 1486, 1770, 2027, 2151, 2429, 2741, 3266, 3565, 3958, 4465-4466, 4483, 4629, 4695
DUST: 4336
DWARFISM: 72, 139, 244, 246, 386, 437, 477, 510, 790, 963, 1012, 1429, 1540, 1677, 1956, 2039, 2164, 2406, 2739, 3065, 3260, 3529, 3569, 3593, 3701, 3763, 4157, 4250, 4324, 4392, 4447, 4686
DWARFISM, PITUITARY: 178, 510, 1589, 1704, 2088, 2288, 2599, 2757, 2957, 3569, 3762, 3947, 4170, 4686, 4701
DYDROGESTERONE: 902
DYE DILUTION TECHNIC: 736
DYES: 344, 3462, 3653, 3956, 4521
DYSCHONDROPLASIA: 1902, 3398, 3763
DYSEMBRYOMA: 1107, 2287
DYSMENORRHEA: 22, 3781, 3953
DYSPAREUNIA: 22
DYSPNEA: 2468
DYSPROSIUM: 2589
DYSTOCIA: 3760
DYSTONIA MUSCULORUM DEFORMANS: 205

E

EAR: 3216
EAR DEFORMITIES, ACQUIRED: 4122
EAR DISEASES: 2067, 4280
EAR, EXTERNAL: 4554
EAR, MIDDLE: 206
EAR OSSICLES: 2446, 3369
EARTHWORMS: 2625-2626, 3466
EATING: 40, 248, 696, 1287, 1572, 1644, 2076, 2388, 2390, 3114, 3186, 3366, 3626, 3940, 4070, 4474, 4491, 4647, 4738
ECCENTRO- OSTEOCHONDRODYSPLASIA: 790, 3569
ECDYSONE: 135, 1279, 4669
ECHINOCOCCOSIS, HEPATIC: 91
ECHINODERMATA: 3833
ECHO VIRUS INFECTIONS: 2445
ECHO VIRUSES: 2445
ECHOENCEPHALOGRAPHY: 1729
ECOLOGY: 263
ECTODERMAL DEFECT, CONGENITAL: 2922
ECTODERMAL DYSPLASIA: 236, 3210
ECTROMELIA: 1632
ECZEMA: 35, 246, 409, 3130, 3425, 3551
EDEMA: 937, 1070, 1293, 1535, 1537, 1854, 1864, 2118, 2129, 2166, 2620, 2830, 3076, 3094, 3260, 3280, 3328, 3358, 3424, 3489, 3653, 3992, 4005, 4023, 4031, 4608
EDENTATA: 1057
EDROPHONIUM CHLORIDE: 361
EDTA: 359, 687, 890, 1056, 1635, 1639, 1789, 2814, 3062, 3156, 3803, 3951, 4417, 4672
EDUCATION: 923, 4475
EDUCATION, MEDICAL, GRADUATE: 4766
EDUCATION, MEDICAL, UNDERGRADUATE: 4766
EDUCATION, SPECIAL: 534, 1887
EDUCATIONAL MEASUREMENT: 4766
EDUCATIONAL STATUS: 433, 3896
EELS: 1717-1718
EGG PROTEINS: 1399, 1938, 2038
EGG WHITE: 1691
EGG YOLK: 1430, 3936
EGGS: 470, 2501, 4395
EGO: 4283
EGYPT: 1151, 4317, 4519
EHLERS-DANLOS SYNDROME: 4329
EIMERIA: 4416
EJACULATION: 1020, 2556, 3591, 3623, 3802, 4039
ELASTIC TISSUE: 2460
ELASTICITY: 540, 1876, 2878, 3219
ELASTIN: 154, 2427, 3948, 4276, 4613
ELBOW 3750, 4342
ELBOW JOINT: 1429, 3478
ELECTRIC CONDUCTIVITY: 353, 1002, 3232
ELECTRIC COUNTERSHOCK 950
ELECTRIC STIMULATION: 128, 221, 250, 267, 361, 367, 370, 372, 397, 422, 493, 538, 562, 607, 630, 696, 738, 742, 783, 785, 879, 896, 909, 998, 1055, 1093, 1133, 1218, 1234-1235, 1240, 1282, 1394, 1459, 1474, 1519, 1522, 1707, 1775, 1980-1981, 2024, 2032, 2325, 2410, 2453, 2489, 2565, 2638, 2651, 2654, 2799, 2982, 2996, 3043, 3047, 3129, 3173, 3250, 3285, 3319, 3443, 3580, 3626, 4086-4087, 4114, 4218, 4338, 4358, 4390, 4443, 4492, 4640, 4665, 4710, 4713
ELECTROCARDIOGRAPHY: 67, 164, 296, 455, 655, 1195, 1223, 1425, 1441, 1590, 1625, 2337, 2403, 2422, 2508, 2621, 2854, 3190, 3260, 3549-3550, 3619, 3794, 4056, 4229, 4341, 4481
ELECTROCHEMISTRY: 2187
ELECTROCOAGULATION: 803, 3778
ELECTRODES: 4620, 4713
ELECTRODES, IMPLANTED: 8, 214, 250, 397, 422-423, 491, 493, 896, 1218, 1492, 1823, 2304, 2982, 3174, 3319, 3626, 3778, 3791, 4338, 4474, 4642
ELECTRODIAGNOSIS: 2886
ELECTROENCEPHALOGRAPHY: 8, 43, 191, 214, 408, 491, 742, 909, 1012, 1080, 1133, 1240, 1262, 1424, 1438, 1492, 1613, 1729, 1871, 1887, 1928, 2328, 2430, 2982, 2996, 3020, 3322, 3582, 3600, 3704, 3791, 3882, 3928, 4076, 4169, 4337-4338, 4352, 4396, 4674
ELECTROLYTES: 802, 2168, 2233, 2399, 2447, 2942, 3683, 3963, 4650
ELECTROMAGNETICS: 2567, 2816
ELECTROMYOGRAPHY: 34, 304, 453, 909, 1065, 1224, 1535, 2300, 2638, 3322, 3713, 4263, 4342
ELECTRON PROBE MICROANALYSIS: 254
ELECTRON SPIN RESONANCE: 1501, 2089-2090, 4289, 4370
ELECTRON TRANSPORT: 297, 487, 3481, 3810, 3869
ELECTRONS: 2784, 2983
ELECTROOCULOGRAPHY: 909
ELECTROPHORESIS: 82, 443-445, 699, 967, 1061, 1173, 1323, 1482, 1680, 1731, 1767, 2274, 2276, 2409, 2704, 2859, 2903, 2953, 3407, 4144, 4368, 4494, 4506, 4589, 4631
ELECTROPHORESIS, DISK: 171, 179, 760, 846, 1078, 2415, 2696, 2877, 3023, 3067, 3098, 3236, 3323, 3743, 4538, 4543, 4631
ELECTROPHORESIS, PAPER: 75, 207, 685, 1060-1061, 1654, 1961, 2503, 2513, 2675, 3018, 3067, 3503, 3565, 3647, 3679, 3808, 3879, 3951
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 178, 207, 251, 312, 335, 595, 669, 710, 751, 764, 776, 922, 1163, 1337, 1399, 1444, 1551, 1639, 1702, 2128, 2570, 2593, 2618, 2735, 2760, 2891, 3099, 3281, 3294, 3399, 3436, 3500, 3573, 3661, 3679, 3689, 3787, 3874, 3979, 4054, 4168, 4328, 4469, 4644-4645, 4661
ELECTROPHORESIS, STARCH GEL: 293, 1818, 2433, 4052, 4066, 4432, 4449, 4649
ELECTROPHYSIOLOGY: 423, 696, 1333, 1479, 1714, 2328, 2394, 2465, 2751, 3173-3174, 3898, 4116, 4434
ELECTRORETINOGRAPHY: 477, 4324
ELECTROSHOCK: 241, 562, 1502, 1909, 2068, 3043, 3125, 3194, 3937-3938, 3940, 4527
ELECTROTHERAPY: 994, 1094
ELLIS-VAN CREVELD SYNDROME: 547, 790
EMACIATION: 3782
EMBOLISM: 1525, 4378
EMBRYO: 631, 1024, 1205, 1496, 2458, 2808, 3351, 3418, 3433, 3615, 3678, 3686, 3763, 4025, 4723
EMERGENCIES: 176, 220, 1933, 3196, 4106, 4804
EMETINE: 995
EMIGRATION AND IMMIGRATION: 900, 1188, 1703, 3932
EMOTIONS: 562, 1261, 1633, 1909, 2328, 2407, 2436, 3366, 3940, 4358, 4443, 4665
EMPHYSEMA: 593
EMPYEMA: 4553
EMULSIONS: 971, 4375
ENCEPHALITIS: 275, 446, 1515, 2445, 3317, 3712, 3821, 4418
ENCEPHALOCELE: 275
ENCEPHALOMYELITIS: 1150
ENCEPHALOMYOCARDITIS VIRUSES: 1369
ENDARTERITIS: 2789
ENDOCARDITIS, BACTERIAL: 2381, 2769
ENDOCRINE DISEASES: 62, 106, 200, 205, 271, 288, 1090, 1214, 1693, 1827, 1894, 1935, 2026, 2124, 2353-2354, 2863, 3065, 3151, 3322, 3468, 3995, 4073, 4106, 4610, 4646, 4749
ENDOCRINE GLANDS: 198, 338, 630, 1267, 1641, 1853, 1993, 2391, 2501, 2567, 3158, 3183, 3238, 3962, 4557, 4782
ENDOCRINOLOGY: 89, 313-314, 854, 1695, 2116, 3026, 3769, 3911, 4801
ENDOCYTOSIS: 4274
ENDOMETRIAL HYPERPLASIA 3389, 3487
ENDOMETRIOSIS: 18, 394, 1206, 1933, 2184, 2687, 3052, 3220, 3334, 3389, 3906
ENDOMETRITIS: 3545, 3815, 3994
ENDOMETRIUM: 120, 193, 333, 394, 505, 754, 864, 883, 946, 958, 1156, 1206, 1640, 1895, 1926, 2405, 2776, 3078, 3487, 3505, 3689, 3729-3730, 3968, 4208, 4216, 4533, 4570, 4575
ENDOMYOCARDIAL FIBROSIS: 3659
ENDOPLASMIC RETICULUM: 69, 362, 411, 487, 700, 860, 954, 1039, 1057, 1154, 1248, 1303, 1411, 1750, 1806, 1832, 1973, 2152, 2196, 2536, 2563, 2578, 2676, 2698, 2714, 2849, 3014, 3415, 3586, 3612, 3841, 4025, 4282, 4455
ENDOSCOPY: 841, 2245, 4581
ENDOTHELIUM: 46, 955, 1249, 1750, 2137, 2657, 4691
ENDOTOXINS: 240, 454, 642, 1571, 1692, 2452, 2722, 4141, 4498, 4610, 4619
ENEMA: 73
ENERGY TRANSFER: 2609
ENGLAND: 512, 900, 1776, 3932, 4401
ENGLISH ABSTRACT: 9, 11, 14, 34, 36, 39, 55, 59, 62, 65, 67, 70, 90, 99, 102-103, 109, 111, 122, 127, 134, 141, 149-151, 157, 161, 164, 168-169, 178, 191, 196, 204, 208, 228, 232, 240, 260-261, 267-268, 271, 301, 307, 329, 335, 343, 364-365, 374, 390, 394, 403, 410, 412-413, 420, 426, 452-453, 466, 475, 498-501, 516, 518, 521-522, 525, 534, 538, 542, 547, 549, 551, 560-561, 567-569, 603-604, 609, 613, 635-636, 648-649, 654, 659, 661, 684, 691-692, 716, 719, 724, 743, 745, 747-748, 753-755, 757, 761, 766-767, 771, 823-824, 831-834, 842, 845, 853, 877-878, 880, 902-904, 908, 920, 932-934, 946, 951, 956, 964, 975, 977, 981-982, 985, 987, 991, 1026, 1029, 1032, 1036, 1040, 1045, 1060, 1075, 1081, 1090, 1100, 1105, 1117, 1120, 1127, 1134-1135, 1137, 1140, 1149, 1161, 1166, 1181, 1183, 1194, 1197, 1222-1224, 1248, 1253-1256, 1262, 1264, 1267, 1272, 1278, 1281, 1283, 1290, 1308, 1311, 1317, 1321-1323, 1327, 1339, 1341, 1351, 1364-1365, 1374, 1378, 1385-1386, 1401, 1406-1407, 1409-1410, 1413, 1427, 1436-1437, 1440-1441, 1446, 1450, 1478-1479, 1486-1488, 1494, 1517, 1521, 1524, 1547, 1553, 1573, 1586, 1595, 1597-1598, 1600, 1603, 1605, 1614, 1625, 1637, 1642, 1666, 1697-1698, 1705, 1717-1718, 1729-1730, 1734, 1749, 1753, 1771, 1780, 1782, 1794, 1798, 1804-1805, 1810-1811, 1814-1815, 1828-1829, 1835, 1837-1839, 1842, 1850-1851, 1869, 1872-1873, 1878, 1886, 1888, 1900, 1904, 1906, 1940, 1962, 1966, 1993, 1997-1998, 2002, 2011, 2016, 2024, 2039, 2045-2047, 2049, 2052, 2070, 2074, 2081, 2101, 2108, 2111-2112, 2117, 2120-2121, 2137, 2142, 2144, 2149-2151, 2155-2156, 2160-2161, 2164, 2166, 2168-2169, 2185, 2188-2189, 2191, 2203, 2205, 2214-2215, 2218, 2224-2225, 2227, 2232, 2238, 2243, 2249, 2251, 2257, 2263, 2269-2271, 2273, 2279, 2286, 2294, 2296, 2300, 2307, 2312, 2315, 2319, 2328, 2330-2332, 2334-2335, 2339, 2349, 2355, 2362-2363, 2366-2367, 2375, 2378, 2383, 2386, 2410, 2413, 2420, 2422, 2426, 2430, 2437, 2447, 2464, 2469, 2477-2478, 2480
2483, 2485-2486, 2490, 2492-2493, 2495, 2498, 2501, 2515, 2531, 2560, 2588, 2590, 2594, 2596-2600, 2611-2612, 2616, 2626-2627, 2629-2633, 2639-2641, 2645, 2647, 2849, 2671-2676, 2684, 2689, 2695, 2701-2703, 2709, 2712, 2729, 2739, 2755, 2774, 2776, 2779, 2782, 2785, 2791-2792, 2794, 2812, 2815, 2818-2819, 2825, 2830, 2837, 2840-2841, 2847-2848, 2850, 2855, 2876-2879, 2881, 2888-2889, 2914-2915, 2924, 2936, 2951, 2963, 2985, 2988-2989, 2993, 3010, 3030, 3033, 3038, 3040, 3042, 3045, 3053, 3056, 3059, 3064, 3074, 3078-3080, 3082-3084, 3090, 3095, 3116, 3122-3123, 3128-3129, 3137, 3139-3141, 3146-3147, 3153, 3162, 3164-3165, 3173, 3175, 3184-3185, 3190, 3196, 3201, 3204, 3206-3207, 3230, 3243, 3261, 3267, 3273, 3291, 3295-3298, 3303, 3307, 3310, 3319-3320, 3322, 3332, 3362, 3369-3370, 3372, 3374, 3379, 3390, 3393, 3432, 3452, 3459-3460, 3466, 3469, 3478-3480, 3482, 3486, 3502, 3506, 3509, 3512, 3518, 3526-3528, 3545-3547, 3549, 3551-3552, 3556, 3578-3579, 3582, 3587, 3594, 3607, 3618-3619, 3621-3622, 3625, 3640-3641, 3648, 3652, 3654, 3665, 3685, 3688, 3690, 3704-3707,

3712, 3722, 3734, 3740, 3748, 3752, 3756, 3760, 3764, 3768, 3776, 3778-3779, 3781, 3790-3791, 3793, 3795, 3805, 3808-3809, 3821, 3829, 3833, 3843, 3850, 3857, 3859, 3868-3869, 3872, 3884, 3890, 3892-3893, 3898-3899, 3915, 3930, 3950, 3952-3953, 3955-3956, 3959, 3965, 3968, 3984, 4000-4001, 4011-4012, 4017, 4022, 4035-4037, 4040, 4047, 4069, 4077, 4092, 4097, 4118, 4123, 4137, 4142-4143, 4155-4156, 4159, 4161, 4163, 4166, 4169, 4173-4174, 4176, 4190, 4192, 4199, 4207, 4224, 4230, 4235-4236, 4238-4239, 4258-4259, 4263-4264, 4269, 4274, 4281-4282, 4286-4287, 4292, 4299-4300, 4307, 4324, 4328, 4334, 4339, 4354, 4362, 4373, 4378, 4383, 4385, 4393-4394, 4406, 4410, 4419, 4431, 4435-4436, 4441, 4450, 4471, 4487, 4489-4490, 4498, 4511, 4522-4523, 4530, 4560, 4564, 4566, 4572, 4592-4593, 4597, 4603, 4608, 4625, 4630, 4634-4635, 4651-4652, 4664-4665, 4674, 4700-4701, 4707 4708, 4710, 4712, 4714, 4718, 4723-4726, 4728, 4734, 4736, 4765

ENTERITIS, REGIONAL: 1112, 1870, 2691, 2881, 2894

ENTEROBACTERIACEAE: 356, 3424, 3575

ENTEROCOLITIS, ACUTE: 3563

ENTEROTOXINS: 812, 1191, 1449, 1491, 3858

ENURESIS: 1262, 1936, 2033, 2791

ENVIRONMENT: 79, 153, 1511, 1855, 2382, 2556, 2582, 3124, 4470, 4690

ENVIRONMENTAL EXPOSURE: 153, 487, 721, 1056, 1511, 2295, 3598, 4438

ENVIRONMENTAL HEALTH: 721, 4438

ENVIRONMENTAL POLLUTION: 721, 4438

ENZYME ACTIVATION: 292, 332, 340, 387-388, 428, 489-490, 531, 710, 730, 767, 890, 1018, 1078, 1141, 1254, 1299, 1373, 1471, 1533, 1551, 1569, 1587, 1641, 1643, 1691, 1723, 1757, 1786, 1795, 1839, 2174, 2228, 2273, 2341, 2360, 2532, 2557, 2867, 3096, 3323, 3336, 3386, 3537, 3832, 3858, 3877, 3986, 4061, 4115, 4138, 4180, 4227, 4264, 4469, 4520, 4615, 4657

ENZYME INDUCTION: 52, 176, 429, 487, 578, 682, 688, 729, 760, 819, 867, 1124, 1227, 1303, 1356, 1399, 1664, 1787, 2213, 2329, 2992, 3002-3003, 3169, 3352, 3485, 3617, 3662, 3686, 3787, 3943, 3987, 4144, 4180, 4241, 4376, 4678, 4797

ENZYME PRECURSORS: 2352, 4138

ENZYME REPRESSION: 96, 1261, 3442, 3485

ENZYME TESTS: 564, 648, 3275, 4244, 4252

ENZYMES: 614, 721, 1227, 1259, 1770, 1925, 2124, 2549, 3715, 4019, 4545

EOSINOPHILIA: 4329

EOSINOPHILIC GRANULOMA: 3714

EOSINOPHILS: 691, 1378, 2597, 2610, 3142, 3213, 4599

EPENDYMA: 700, 2267, 2933, 3696, 3919

EPENDYMOMA: 675, 1719, 2319, 3409, 3831, 4501

EPHEDRINE: 382, 582, 3702

EPIDEMIOLOGIC METHODS: 719

EPIDEMIOLOGY: 4486

EPIDERMAL NECROLYSIS, TOXIC: 4016

EPIDERMOPHYTON: 2122

EPIDIDYMIS: 292, 489, 767, 924, 961-962, 1561, 1587, 1736, 1966, 2123, 2202, 2268, 2293, 2433, 2454, 2504-2506, 2668, 2731, 2903, 3096, 3356, 4178, 4348, 4452, 4537, 4547

EPILEPSY: 1080, 1262, 1489, 1871, 2194, 2594, 2702, 2982, 4291, 4341

EPILEPSY, GRAND MAL: 2449, 3243

EPILEPSY, PETIT MAL: 43, 2449

EPILEPSY, TEMPORAL LOBE: 4352

EPILEPSY, TRAUMATIC: 2888

EPINEPHRINE: 157, 160, 222, 233, 267, 292, 344, 374, 382, 384, 393, 415, 432, 457, 537, 568, 579, 582, 646, 652, 812, 979, 1023, 1096, 1132, 1157, 1182, 1238, 1260-1261, 1282, 1285, 1441-1442, 1545, 1565, 1568, 1572-1573, 1587, 1616, 1759, 1786, 1801, 1840, 1856, 1859, 1917, 1960, 1983, 2007, 2147, 2161, 2188, 2228, 2251, 2259, 2268, 2270, 2304, 2336, 2432, 2443, 2482-2483, 2494, 2546, 2607, 2654, 2657, 2695, 2705, 2720, 2748, 2766, 2778, 2845, 2858, 2870, 2907, 3002, 3199, 3215, 3242, 3255, 3266, 3274, 3324, 3343, 3357, 3462, 3559, 3618, 3660, 3702, 3732, 3751, 3780, 3813, 3858, 3860, 3908, 3937-3938, 3967, 3981, 4039, 4061, 4226, 4266, 4293, 4364, 4384, 4421, 4440, 4503, 4529, 4563, 4602, 4725, 4737, 4799

EPIPHYSES: 196, 898, 1429, 2198, 2460, 2773

EPIPHYSES, SLIPPED: 4151

EPITHELIAL CELLS: 524, 689, 864, 964, 1130, 1168, 1194, 1278, 1624, 1627, 1957, 2137, 2307, 2344, 2419, 2499, 2643, 3015, 3128, 3612, 3858, 4213, 4328, 4496, 4739

EPITHELIUM: 323, 661, 814, 821, 890, 910, 1135, 1258, 1486, 1560, 1807, 2050, 2643, 2657, 2731, 2789, 2933, 3078, 3109, 3729-3730, 3946, 4037, 4060

ERGOCALCIFEROL: 618, 1072, 1188, 1844, 1916

ERGOLINES: 947, 1875, 2870, 3767

ERGOSTEROL: 519, 1673, 2241

ERGOT ALKALOIDS: 555, 995, 1243, 1754, 2946, 3193, 3496, 3867, 4377

ERGOT ALKALOIDS, HYDROGENATED: 55

ERGOTAMINE: 490, 1568, 3601, 4266

ERYTHEMA: 409, 869, 888, 1125, 1503, 1677, 2164, 3328, 3762

ERYTHEMA MULTIFORME: 225, 236

ERYTHEMA NODOSUM: 2000, 2401, 3855, 4110

ERYTHREMIC MYELOSIS: 3189

ERYTHRITOL: 2241

ERYTHROBLASTOSIS, FETAL: 169, 1616, 1730, 1868, 3265

ERYTHROCYTE COUNT: 933, 1149, 1378, 1416, 1432, 1766, 1830, 2486, 3386, 4394

ERYTHROCYTES: 76, 82, 179, 280, 320, 340-341, 407, 471, 592, 670, 855, 872, 1088, 1125, 1174, 1298-1299, 1432, 1532, 1586, 1621, 1681, 1692, 1724, 1766, 1770, 1882, 1921, 2089-2090, 2118, 2360, 2426-2427, 2447, 2534, 2544, 2578, 2688, 2704, 2733, 2801, 3075, 3077, 3259, 3386, 3521, 3573, 3865, 3951, 4254, 4351, 4359-4360, 4494, 4675

ERYTHROMYCIN: 4396

ERYTHROPLASIA: 211

ERYTHROPOIESIS: 320, 1270, 1297, 1830, 1897-1898, 2733, 3386, 4416

ERYTHROPOIETIN: 1297, 1431, 1532, 1830, 1888, 1897, 3267, 3615

ESCAPE REACTION: 696, 4443, 4674

ESCHERICHIA: 1602

ESCHERICHIA COLI: 240, 335, 448, 451, 688, 764, 1066, 1491, 1505, 1689, 1692, 1854, 2034, 2106, 2967, 3189, 3211, 3268, 3314, 3456, 3485, 3501, 3759, 4141, 4369, 4382, 4678

ESCHERICHIA COLI INFECTIONS: 768, 1191, 2030, 2477, 4316

ESOPHAGEAL DISEASES: 3234

ESOPHAGEAL NEOPLASMS: 4303

ESOPHAGEAL STENOSIS: 2579, 3628

ESOPHAGOSCOPY: 3628

ESOPHAGUS: 424, 3628, 4496, 4553

ESTERASES: 16, 277, 321, 441, 1170-1171, 1249, 1872, 2732, 2750, 2903, 3096

ESTERS: 279, 1170-1171, 1793, 1953, 2001, 2253, 2260, 2268, 2627, 2748, 2783, 2984, 3368, 3378, 3419, 3796, 3820, 4063, 4082

ESTRADIOL: 9, 13, 20, 29, 59, 68, 80, 88, 111, 170, 173, 193, 245, 283, 294, 302, 352, 367, 376, 406, 460, 485, 475, 484-485, 499, 506, 578, 617, 619, 664, 723, 746, 753, 755, 770, 806-807, 809, 829, 848, 948-949, 959, 997, 1001, 1013, 1052-1054, 1058, 1061, 1124, 1147, 1156, 1167, 1276, 1284, 1295-1296, 1320, 1346, 1370, 1375, 1399, 1427, 1674, 1690, 1731, 1774, 1780, 1785, 1791, 1797, 1799, 1847, 1857, 1869, 1872, 1895, 1905, 1957, 1991, 1997, 2003, 2024, 2108, 2127-2128, 2171, 2190, 2224, 2234-2235, 2253, 2260, 2276, 2323, 2347, 2365, 2389, 2413-2414, 2456-2457, 2461, 2475, 2477, 2506, 2509, 2515, 2519, 2532, 2558-2559, 2598, 2622, 2646, 2653, 2667, 2694, 2717, 2719, 2742, 2746, 2797, 2832, 2834, 2839, 2865, 2975, 3014, 3022, 3031, 3037, 3048, 3061, 3086, 3143, 3176, 3188, 3208, 3230, 3236, 3276, 3284, 3311, 3351, 3381, 3389, 3412-3413, 3416, 3434, 3470, 3535, 3543, 3576, 3603, 3634, 3644, 3672, 3674-3675, 3689, 3695, 3709-3710, 3717-3718, 3756, 3767, 3770, 3832, 3849, 3863, 3890, 3900, 3902-3903, 3957, 4026, 4130, 4133, 4154, 4158, 4194, 4216, 4245, 4285, 4298, 4321, 4371, 4383, 4390, 4449, 4463, 4476, 4480, 4484, 4509, 4513, 4531, 4533, 4584, 4611, 4638, 4681, 4693, 4722-4723, 4738

ESTRANES: 29, 648, 1713, 2411, 2581, 3333, 3592, 3759, 3828, 3877, 4120, 4490

ESTRIOL: 9, 28-29, 169, 328, 460, 723, 1109, 1187, 1384, 1803, 1994, 2086, 2118, 2190, 2414, 2569, 2598, 2630, 2680-2681, 2692-2694, 3031, 3038, 3078, 3143, 3321, 3333, 3367, 3390, 3690, 3900, 4256, 4380, 4383, 4479, 4584, 4632

ESTROGENIC SUBSTANCES, CONJUGATED: 2086, 2190, 2539, 2693, 3061, 3139, 3692, 3867, 3895, 4256, 4584

ESTROGENS: 2, 9, 29, 79, 88, 103, 125, 151, 156, 169, 208, 286, 319, 398, 419, 458, 480, 535, 554, 692, 694, 716, 723-724, 729, 773-774, 791, 796, 888, 984, 1024, 1053, 1073, 1082, 1156, 1173-1174, 1190, 1212, 1226, 1247, 1336, 1384, 1386, 1427, 1443, 1447, 1451, 1460, 1531, 1611, 1630, 1674, 1678, 1689-1690, 1693, 1700, 1710, 1731, 1811, 1826, 1895, 1905, 1966, 1977-1979, 2014, 2059, 2105, 2108, 2180, 2190-2191, 2311, 2317, 2333-2334, 2351, 2363, 2389, 2391, 2424, 2500, 2519, 2543, 2564, 2598, 2611, 2646, 2654, 2677, 2694, 2702, 2721, 2760, 2776, 2794, 2834, 2874, 2972-2973, 3031-3032, 3038, 3076, 3137, 3139, 3141, 3143, 3175, 3177, 3257, 3265, 3272, 3275, 3322, 3333, 3434, 3450, 3487, 3525, 3543, 3567, 3595, 3634, 3721, 3730, 3744, 3768, 3775, 3777, 3781, 3849, 3857, 3870, 3877, 3885, 3907, 4071, 4091, 4093-4094, 4130, 4152, 4158, 4182, 4285, 4321-4322, 4340, 4345, 4349, 4357, 4369, 4371, 4377, 4383, 4401, 4460, 4467, 4487, 4536, 4584, 4611, 4680, 4718

ESTRONE: 9, 29, 68, 88, 111, 170, 193, 283, 302, 465, 617, 619, 694, 723, 1001, 1237, 1284, 1313, 1369, 1375, 1731, 1869, 1905, 2127, 2190, 2461, 2475, 2598, 2694, 2976-2977, 3031, 3038, 3143, 3389, 3434, 3470, 3592, 3634, 3849, 3890, 3900, 4130, 4245, 4285, 4383, 4420, 4509, 4513, 4531, 4533, 4622, 4669, 4680

ESTRUS: 13, 118, 282, 338, 342, 402, 436, 439, 513, 521, 542, 551, 765, 785, 792, 813, 870, 946, 959, 968, 1013, 1054, 1093, 1132, 1147, 1156, 1230, 1320, 1325, 1375, 1378, 1383, 1511, 1644, 1694, 1709, 1754, 1853, 1907, 1945, 1980, 2014, 2025, 2042, 2134, 2171, 2186, 2190, 2226, 2234-2235, 2253, 2310-2311, 2313, 2377, 2388, 2456, 2501, 2572, 2581, 2628, 2637, 2646, 2804, 2880, 2973, 2996, 3038, 3042, 3055, 3122, 3136, 3223, 3276, 3413, 3535, 3545, 3625, 3643, 3646, 3649, 3657, 3674, 3695, 3838, 3873, 3923, 3925, 3977, 3996, 4026-4027, 4029, 4034, 4040, 4154, 4212, 4234, 4240, 4249, 4294-4295, 4321, 4390, 4442, 4456, 4463, 4639-4640, 4661

ETHACRYNIC ACID: 2665, 3489, 4002

ETHAMBUTOL: 447, 1117, 2517, 3038, 4143, 4253

ETHANE: 133

ETHANOLAMINES: 241, 340, 371, 1222, 1234, 1999, 2883, 3935, 4280, 4673

ETHERS: 1052, 1696, 2268, 2697, 2762, 2784, 3487, 3865

ETHERS, CYCLIC: 1356, 3414, 4138

ETHICS: 1861

ETHICS, MEDICAL: 4574

ETHIDIUM: 1201

ETHINYL ESTRADIOL: 694, 857, 862, 1330, 2293, 2317, 2746, 3031, 3038, 3434, 3514, 3536, 3607, 3685, 3717, 3732, 3788, 4110, 4371, 4523, 4704

ETHIONAMIDE: 447

ETHIONINE: 637, 1124, 1141

ETHIOPIA: 3262

ETHMOID SINUS: 2862

ETHNIC GROUPS: 303, 844, 1188, 2969, 3568, 3738, 3831, 3896, 4065, 4122

ETHYL ETHER: 781, 1394, 1608, 2528, 2759, 4074, 4584

ETHYLAMINES: 337, 1053, 1874, 3171, 4114

ETHYLENE: 134

ETHYLENEDIAMINES: 77, 668, 1289, 1404, 3935, 4280, 4313

ETHYLESTRENOL: 395, 1432, 4162

ETHYLMALEIMIDE: 2015, 2546, 2734, 3018, 3927

ETHYNODIOL DIACETATE: 705, 2000, 4162, 4513

ETIOCHOLANOLONE: 1611, 1973, 2450, 2634, 2818, 2847-2848, 4476, 4611

EUNUCHISM: 1359, 1498, 3777, 4353, 4383, 4556

EUROPE: 1722, 4357

EUSTACHIAN TUBE: 1859

EVALUATION STUDIES: 28, 59, 70, 104, 175, 234, 348, 409, 535, 561, 565, 723, 750, 868, 908, 964, 976, 1001, 1010, 1074, 1380, 1413, 1447, 1457, 1512, 1608, 1729, 1811, 1917, 1971, 2038, 2099, 2102, 2121, 2125, 2184, 2247, 2253, 2267, 2339, 2375, 2402, 2427, 2490, 2637, 2648, 2658, 2703, 2729, 2951, 3027, 3073, 3148, 3558, 3575, 3607, 3658, 3694, 3870, 4033, 4112, 4188, 4223, 4352, 4412, 4475, 4584, 4668, 4696, 4770

EVOKED POTENTIALS: 223, 370, 562, 909, 1080, 1133, 1362, 1459, 1479, 1492, 1522, 1707, 2402, 2410, 2982, 3047, 3720, 3898, 4087, 4175

EVOLUTION: 15, 1013, 1651, 3107, 3534, 3833, 4627
EXCHANGE TRANSFUSION 1450, 4278
EXERTION: 510, 1076, 1388, 1395, 1424, 1656, 1855, 1900, 2288, 2379, 2434, 2486, 2520, 2695, 3776, 3970, 4398
EXOCRINE GLANDS: 2910
EXOCYTOSIS: 3248
EXOPHTHALMOS: 113, 191, 479, 850, 1119, 1413, 2091, 2225, 2272, 2862, 2904, 3297, 3848
EXOPHTHALMOS PRODUCING SUBSTANCE: 3335, 4589
EXOSTOSES, MULTIPLE: 244, 1956, 3848
EXPECTORANTS: 382
EXPLORATORY BEHAVIOR: 376, 1208, 1781, 1909, 1934, 2327, 2407, 3940
EXTINCTION (PSYCHOLOGY): 1633, 3125, 3626, 4434
EXTRACELLULAR SPACE: 166, 290, 352, 684, 814, 855, 1171, 1750, 2118, 2460, 2535, 3586, 4637
EXTRACHROMOSOMAL INHERITANCE: 448, 3615
EXTRACORPOREAL CIRCULATION: 2468, 2774
EXTRAPYRAMIDAL DISORDERS: 2368
EXTRAPYRAMIDAL TRACTS: 630
EXTRASYSTOLE: 2621, 3550
EXTRATERRESTRIAL ENVIRONMENT: 2486
EXTREMITIES: 994, 2039, 2342, 2443, 2856, 3094, 3569, 4504, 4591
EXUDATES AND TRANSUDATES: 1901, 3059, 3106, 4400
EYE: 679, 799, 1948, 2005, 2384, 2567, 3007, 3124, 3672, 3962, 4324, 4444
EYE BURNS: 3226
EYE DISEASES: 236, 709, 1119, 1363, 1864, 2146, 2384, 2771, 2844, 3007, 3226, 3441, 4372, 4378
EYE FOREIGN BODIES: 2904
EYE INJURIES: 1560, 1864, 3297
EYE MANIFESTATIONS: 275, 708, 3569, 4324
EYE NEOPLASMS: 191, 3065
EYE PROTEINS: 652, 1163
EYEGLASSES: 3441
EYELID DISEASES: 3280, 3425
EYELIDS: 3065, 3283, 4058, 4585-4586

F

FACE: 67, 2828
FACIAL DERMATOSES: 1677, 2164, 3762
FACIAL EXPRESSION: 386, 1292, 1429, 1947, 2660, 3529, 4122, 4447
FACIAL INJURIES: 4471
FACIAL NEOPLASMS: 3861, 4134
FACIAL NERVE: 2886, 3047
FACIAL PARALYSIS: 2638, 2886
FACTOR VIII: 435, 3308, 3428, 4059
FACTOR IX: 3428
FACTOR ANALYSIS, STATISTICAL: 44, 718, 2634, 3811
FACULTY, MEDICAL: 4766
FALLOPIAN TUBE NEOPLASMS: 3217, 4210
FALLOPIAN TUBES: 118-119, 252, 598, 1044, 1053, 1176, 1538, 1744, 2283, 2808, 3505, 3535, 3906, 3994, 4028-4029, 4263, 4803
FALSE NEGATIVE REACTIONS: 255, 510, 564, 3572, 3991
FALSE POSITIVE REACTIONS: 564, 1637, 3572, 3991
FAMILY: 2193
FAMILY CHARACTERISTICS: 3277, 4475
FAMILY PLANNING: 433, 643, 923, 1745, 2010, 2338, 2730, 4475
FAMOUS PERSONS: 4317, 4519
FANCONI SYNDROME: 2164, 2200, 2444, 3380, 4126, 4164
FASCIOLA HEPATICA: 933, 1608
FASCIOLIASIS: 933, 3894
FASCIOLOPSIS: 1608
FASTING: 336, 584, 682-683, 695, 1060, 1330, 1855, 2260, 2454, 2543, 2945, 3064, 3147, 3157, 3431, 3999, 4388, 4798
FATIGUE: 3280
FATS: 1916, 3153
FATTY ACID DESATURASES: 2547
FATTY ACID SYNTHETASE COMPLEX: 3982, 4105
FATTY ACIDS: 537, 575, 1113, 1232, 1274, 1430, 1477 1900 2085, 2123, 2161, 2454, 2543, 2759, 2867, 2885, 2921, 3378, 3802, 3976, 4105, 4309, 4537
FATTY ACIDS, ESSENTIAL: 371, 4162, 4309
FATTY ACIDS, NONESTERIFIED: 300, 326, 339, 434, 476, 552, 568-569, 801, 820, 1104, 1162, 1330, 1361, 1572, 1574, 1585, 1877, 1908, 2176, 2241, 2268, 2336, 2426, 2443, 2510, 2921, 3157, 3200, 3222, 3255, 3420, 3431, 3732, 3776, 3783, 3908, 4078, 4271, 4274, 4460, 4796, 4799
FATTY ACIDS, UNSATURATED: 305, 393, 1164, 1437, 1751, 2809, 3427, 3860, 3979, 4194, 4309, 4602
FATTY ACIDS, VOLATILE: 393
FATTY ALCOHOLS: 2885
FEAR: 383, 1947, 2277, 4358
FEATHERS: 1774, 1785
FECES: 356, 467, 523, 605, 687, 942, 1508, 1579, 1804, 2295, 2404, 2476, 2737, 2787, 2899, 3006, 3142, 3348, 3383, 3493, 3637, 4605
FEEDBACK: 103, 429, 509, 836, 873, 1055, 1104, 1394, 1721, 1834, 1932, 2003, 2113, 2234-2235, 2318, 2320, 2459, 2532, 2662, 2772, 2829, 2913, 2975, 2998, 3138, 3285, 3309, 3485, 3773, 3842, 3919, 4046, 4087, 4119, 4343, 4484
FEEDING BEHAVIOR: 184, 248, 385, 572, 896, 1142, 1633, 1644, 1762, 2076, 2388, 2919, 3186-3187, 3194, 3504, 4337-4338, 4474, 4642, 4647, 4664
FELTY'S SYNDROME: 4771
FEMALE: 1, 3, 5-6, 8-10, 13, 18, 21-22, 24-25, 28-29, 33, 35, 38, 40, 45-48, 53, 57, 60-61, 64-65, 68-70, 79-80, 84, 88, 91, 93-95, 98-99, 101-106, 111-113, 116, 118-120, 122, 125, 127, 129-130, 136-141, 149-152, 154-156, 167, 169-173, 176-177, 182-183, 188, 190-191, 193, 197-201, 204, 206-208, 210, 215-216, 222, 224-225, 227-228, 234-235, 237, 240, 242, 245, 248, 252-254, 268, 271, 275-276, 278, 282-283, 285-286, 290, 293-294, 297, 299-301, 306-309, 316, 319-320, 324, 328, 333-334, 338, 342-343, 345-348, 350-352, 355, 358-359, 361, 364-365, 376, 379, 386, 389-391, 394-396, 398-400, 402, 405-406, 409-410, 412-413, 416-417, 419-420, 422, 426, 433, 435-437, 439-441, 444-446, 450-453, 456-457, 460-461, 463-465, 470, 473-474, 476, 478, 480-482, 484, 488, 494-499, 501, 503-506, 511, 513-516, 520-521, 523-524, 529, 535, 539, 541-542, 546-547, 549, 552-554, 557-561, 566-567, 571-572, 576, 578, 582, 584, 588, 590-591, 594, 597-599, 603, 605, 608-611, 613, 615-623, 625, 631, 633-635, 639-640, 642-643, 647-648, 650, 658, 660, 663-666, 670-671, 673, 675, 681, 685, 691, 693-695, 697-698, 703, 705, 712-714, 717-724, 729, 731, 739, 743, 746-748, 750, 752-755, 757-758, 765, 768, 770, 773-774, 777-779, 783, 785-786, 788, 791-792, 796-797, 799-800, 802, 804-810, 813-814, 816-817, 823-829, 831-832, 840, 844, 847, 851, 855-858, 861-862, 864, 866-867, 869-870, 876, 880-883, 886, 888-889, 894-895, 897, 899, 902-903, 912-913, 917, 919, 923, 928-930, 932, 935, 939, 942-943, 945-947, 951-953, 955, 957-960, 963-965, 967-968, 970, 976, 979-980, 985, 987, 990, 993, 997-999, 1001, 1008-1013, 1016, 1019-1020, 1024-1027, 1029, 1031-1032, 1035-1036, 1038-1041, 1043-1045, 1051-1052, 1054-1058, 1061-1062, 1064, 1067, 1072-1073, 1075, 1079, 1082-1083, 1086, 1090, 1093-1095, 1099, 1102-1104, 1107, 1110, 1112-1116, 1120-1121, 1124, 1128, 1132, 1139-1140, 1145, 1147, 1149, 1153, 1155-1160, 1162, 1165, 1167, 1170-1171, 1177, 1180-1181, 1183-1185, 1187-1190, 1192 1194-1195, 1197-1198, 1204-1207, 1212-1213, 1215-1218, 1221, 1224, 1226, 1228-1231, 1234-1235, 1241, 1243-1244, 1251, 1253, 1255, 1257-1258, 1262-1263, 1269, 1271-1272, 1274, 1276, 1278, 1286, 1288, 1290, 1295-1296, 1298, 1300, 1302-1304, 1307-1308, 1310, 1312-1314, 1318-1320, 1322-1323, 1325-1327, 1330-1333, 1338-1339, 1346-1347, 1350-1351, 1353, 1355-1357, 1359, 1361, 1365, 1367, 1369, 1372-1373, 1375, 1378, 1380-1387, 1389-1393, 1395, 1397, 1403, 1405-1406, 1410-1411, 1413-1414, 1416-1417, 1420, 1422, 1425, 1430-1433, 1436, 1440, 1443, 1446, 1449-1451, 1453, 1456-1457, 1460-1461, 1469, 1472-1474, 1478, 1480-1481, 1483-1484, 1487-1489, 1491, 1494, 1496, 1499-1501, 1504, 1507-1511, 1513-1515, 1517-1518, 1521-1522, 1524, 1527, 1531-1532, 1535-1539, 1541, 1543-1544, 1547, 1549, 1551, 1558, 1562-1564, 1566-1567, 1570-1575, 1584-1586, 1590, 1591, 1597-1600, 1603, 1606-1607, 1610-1611, 1614, 1618-1619, 1625, 1629-1632, 1637, 1640, 1642, 1644-1645, 1647-1648, 1657-1660, 1665-1666, 1670, 1674, 1677-1679, 1682, 1685, 1689-1690, 1693-1694, 1697, 1700-1701, 1703, 1705-1706, 1708-1712, 1714, 1720-1722, 1724, 1729-1730, 1734, 1737, 1743-1745, 1747-1750, 1752, 1754-1756, 1758, 1760, 1762, 1764-1765, 1771-1774, 1779-1781, 1783, 1785, 1787, 1794, 1796-1797, 1799, 1803, 1806-1807, 1809-1811, 1821, 1825-1827, 1831, 1833-1834, 1836-1839, 1842, 1846, 1853, 1855, 1857, 1860-1863, 1865-1869, 1872, 1875, 1878, 1880-1881, 1883-1884, 1886-1888, 1892, 1895, 1897-1901, 1903-1905, 1907, 1909, 1912, 1918-1920, 1926, 1928-1929, 1931, 1933, 1936, 1939, 1941, 1943, 1945-1947, 1949, 1953-1957, 1964, 1972-1973, 1975, 1977-1981, 1987, 1990, 1994, 1997, 2000, 2003-2004, 2008, 2010, 2012-2014, 2019-2025, 2027, 2033, 2035, 2039, 2042-2043, 2046, 2048, 2058-2060, 2064, 2066, 2068, 2072, 2074, 2076-2077, 2081, 2084-2086, 2088, 2092-2094, 2097-2099, 2102, 2105, 2112-2113, 2116-2119, 2125-2126, 2128, 2131, 2134, 2137-2138, 2140-2141, 2149-2152, 2155-2157, 2159, 2161 2163, 2165-2167, 2171, 2173, 2177, 2180-2184, 2186, 2190-2193, 2197, 2199, 2203, 2205-2207, 2209-2211, 2215-2218, 2221, 2224-2226, 2228-2231, 2234-2235, 2237, 2239-2240, 2242-2243, 2245-2246, 2249-2253, 2255-2256, 2260, 2262-2263, 2273-2274, 2277, 2281-2286, 2290-2291, 2295-2297, 2299, 2305, 2307, 2309-2311, 2313, 2315-2317, 2323, 2330-2331, 2333-2334, 2338, 2343, 2347, 2354-2356, 2361-2363, 2369-2371, 2373-2374, 2377-2381, 2383, 2386-2389, 2391, 2397-2398, 2400-2402, 2404-2405, 2412-2414, 2417, 2419-2420, 2422-2424, 2426, 2430, 2434-2435, 2437-2442, 2446, 2448-2449, 2451, 2456-2457, 2463-2464, 2467-2468, 2470, 2475-2478, 2480, 2485, 2488, 2492-2493, 2498-2501, 2503, 2509-2511, 2513-2516, 2519, 2526, 2531-2532, 2534, 2538-2544, 2547, 2552-2553, 2559, 2561-2562, 2564-2566, 2568-2569, 2571-2572, 2577-2578, 2580-2583, 2587-2588, 2593, 2600, 2603-2604, 2610-2611, 2614, 2619, 2621-2622, 2627-2628, 2630-2633, 2637-2639, 2642, 2645-2647, 2649-2651, 2653-2654, 2659-2660, 2664, 2669-2670, 2672-2673, 2677, 2679-2689, 2691-2694, 2696, 2699-2703, 2710, 2716-2717, 2719, 2721, 2725, 2727, 2729-2730, 2737-2738, 2742, 2746, 2752, 2756-2758, 2762-2764, 2771-2772, 2774, 2776-2778, 2787-2788, 2793-2794, 2797, 2800-2801, 2803-2805, 2807-2811, 2817-2818, 2822, 2826-2831, 2834, 2837-2840, 2842, 2846-2847, 2849-2850, 2854-2855, 2859, 2862, 2871-2872, 2874-2875, 2877-2885, 2892, 2894, 2896-2897, 2899, 2901-2903, 2905, 2909-2910, 2912, 2914, 2919, 2921-2925, 2928, 2930, 2935-2938, 2942, 2944, 2946, 2948-2949, 2951-2952, 2954-2957, 2963-2964, 2966, 2968-2969, 2971-2975, 2979, 2981, 2985, 2987-2989, 2993-2996, 2999, 3004-3006, 3008-3014, 3018-3019, 3021, 3025, 3031-3032, 3034, 3036, 3038, 3042, 3045-3046, 3048-3050, 3052, 3054-3055, 3057-3058, 3061, 3064-3066, 3068, 3073-3074, 3076, 3078-3080, 3085-3087, 3097-3098, 3100, 3105-3107, 3109, 3111-3112, 3116, 3121-3124, 3126-3127, 3129, 3133, 3136-3137, 3139-3143, 3146, 3149-3152, 3154-3155, 3159, 3162-3163, 3166 3170, 3172, 3174-3175, 3177, 3179-3180, 3184-3185, 3187, 3190-3192, 3196, 3198, 3200, 3210, 3212-3214, 3216-3217, 3220, 3223, 3227, 3233-3234, 3236, 3239, 3242-3244, 3246, 3248-3249, 3251-3254, 3256-3257, 3260-3265, 3271-3273, 3275-3277, 3280, 3282-3285, 3287, 3291, 3294-3298, 3302, 3312, 3316, 3321-3323, 3326-3327, 3330, 3332-3334, 3336, 3340, 3345-3348, 3358-3363, 3366-3367, 3371-3374, 3376, 3379-3383, 3385, 3387-3391, 3396-3397, 3400, 3403, 3407-3410, 3412-3415, 3417, 3419-3422, 3426, 3428-3430, 3432, 3434-3435, 3442, 3444-3445, 3453-3454, 3457-3461, 3466, 3469-3471, 3473-3474, 3477, 3479-3480, 3487, 3491, 3493-3497, 3499, 3502, 3505, 3507-3509, 3512, 3515, 3518, 3522, 3525, 3527, 3529-3532, 3534-3536, 3539-3540, 3545, 3547, 3551-3552, 3555-3556, 3561, 3568, 3570-3571, 3574, 3576-3579, 3581-3582, 3585, 3587-3589, 3593-3594, 3597-3598, 3601, 3604, 3606-3608, 3610, 3612, 3616, 3618, 3622-3623, 3625, 3627, 3633-3634, 3637-3638, 3640, 3642-3644, 3646, 3648-3650, 3652, 3654, 3656-3658, 3661-3662, 3665-3668, 3672, 3674-3678, 3680, 3684-3685, 3687, 3689-3690, 3692, 3695, 3699, 3703, 3705, 3708-3710, 3714, 3716-3719, 3721-3722, 3725-3726, 3729-3732, 3738, 3740, 3744-3745, 3749-3750, 3755-3756, 3758, 3760-3763, 3765-3768, 3771, 3775, 3778, 3781-3782, 3788, 3791, 3793, 3795, 3797-3798, 3801, 3805, 3807, 3812, 3814-3816, 3818-3819, 3821-3822, 3827-3828, 3830-3831, 3834-3837, 3839-3840, 3843-3844, 3846-3847, 3849-3850, 3853-3855, 3857, 3862-3863, 3867, 3871, 3873, 3879, 3882, 3885, 3888-3890, 3892, 3895-3896, 3900-3903, 3905-3907, 3910, 3912, 3914, 3918, 3922-3923, 3925, 3928-3930, 3932, 3935, 3939-3940, 3942, 3944-3947, 3949,

3952-3953, 3957, 3962, 3968, 3970-3972, 3975, 3977-3978, 3982-3984, 3988-3990, 3994-3999, 4001, 4006, 4009, 4014-4015, 4021-4024, 4026-4030, 4034, 4036-4038, 4040, 4045, 4049, 4052, 4054-4058, 4060, 4065, 4068, 4070-4071, 4073-4078, 4085, 4091-4094, 4097, 4103, 4105, 4108-4111, 4115, 4117, 4121-4122, 4128, 4130
4131, 4133, 4135-4136, 4141, 4143-4144, 4146-4147, 4150-4152, 4154-4156, 4158, 4160-4163, 4169, 4171, 4174, 4177, 4183-4185, 4188, 4193, 4196, 4199-4202, 4208-4210, 4212, 4216, 4219-4220, 4223, 4228-4231, 4233-4235, 4237, 4239, 4241, 4245-4249, 4254-4256, 4259-4264, 4266-4267, 4270, 4273, 4275, 4277, 4281, 4283, 4285, 4288, 4291-4292, 4294-4295, 4303-4306, 4312-4314, 4316, 4318-4321, 4323-4324, 4327, 4331, 4333-4334, 4339-4341, 4343, 4349, 4352-4353, 4355-4357, 4364, 4366-4367, 4369, 4371, 4374, 4377-4378, 4385-4390, 4394, 4396, 4398, 4401-4402, 4410-4411, 4413, 4416, 4421, 4431, 4433, 4436, 4438, 4440-4443, 4445, 4447-4449, 4456, 4459-4464, 4467-4468, 4471, 4474-4476, 4479-4481, 4486-4488, 4490, 4495-4497, 4501, 4509-4514, 4518, 4522-4527, 4530-4533, 4536, 4541, 4548, 4551-4552, 4555-4556, 4559-4560, 4562, 4566, 4568-4572, 4574-4575, 4581, 4583-4584, 4591-4592, 4594, 4598, 4600-4601, 4603, 4607-4608, 4611-4612, 4620, 4622-4624, 4626-4628, 4632, 4636, 4638-4640, 4642-4643, 4646, 4651-4653, 4655-4656, 4659-4662, 4664, 4666-4667, 4674-4676, 4680, 4685-4686, 4690-4694, 4698, 4700, 4703-4704, 4706-4707, 4711, 4716, 4718, 4721-4723, 4727-4728, 4730, 4732, 4735, 4738-4740, 4743, 4749, 4756-4757, 4760-4761, 4764-4765, 4768, 4770, 4773, 4779-4780, 4788, 4790, 4792, 4794, 4797-4798, 4802-4803
FEMORAL ARTERY: 66, 779, 1236, 2403, 2584, 2615, 3061, 3604
FEMORAL FRACTURES: 1278
FEMORAL NECK FRACTURES: 1892
FEMORAL VEIN: 2615
FEMUR: 408, 494, 540, 1734, 1788, 1876, 2231, 2437, 2909, 3181, 3195, 3219, 3344, 3406, 4257, 4668
FEMUR HEAD: 1429, 3393, 4151
FEMUR HEAD NECROSIS: 2330, 2716, 3596, 4235, 4409
FEMUR NECK: 3932
FENESTRATION: 3488
FENFLURAMINE: 385
FENTANYL: 2279
FERREDOXINS: 4198
FERTILITY: 381, 473, 610, 643, 707, 791, 1054, 1230, 1978-1979, 1990, 2227, 2282, 2504-2507, 2583, 2686, 2730, 2764, 3122, 3333, 3408, 3505, 3838, 4377, 4497, 4518, 4632
FERTILITY AGENTS: 1825, 2581, 3716, 3828
FERTILIZATION: 402, 542, 958, 1009, 1024, 1205, 1351, 1511, 1744, 2283, 2478, 2488, 2501, 2685-2686, 2808, 2973, 3042, 3535, 3625, 4028, 4040, 4135, 4636
FETAL DEATH: 169, 176, 718, 806, 808, 1197, 1217, 1304, 1350, 1385, 1571, 1730, 2191, 2256, 2391, 2500, 2692, 2850, 3212, 3321, 3532, 3703, 3721, 4472, 4479, 4764
FETAL DISEASES: 169, 328, 631, 693, 2166, 2191, 2256, 2391, 2500, 2847, 2881, 2884, 3191, 3285, 3272, 3275, 3326, 3457
FETAL GLOBULINS: 1304, 3705
FETAL HEART: 1304, 2434, 3265, 4565
FETAL MEMBRANES: 1385, 3326
FETUS: 3, 10, 24, 60, 389, 413, 416, 598, 693, 718, 729, 779, 806-807, 1190, 1312, 1350, 1356, 1358, 1372, 1385, 1411, 1449, 1458, 1480, 1496, 1582, 1665, 1730, 1773, 1778, 1884, 1931, 1950-1951, 1955, 1991, 2020, 2345, 2364, 2370, 2374, 2391, 2419, 2455, 2484, 2500, 2553, 2571, 2580, 2589, 2647, 2780, 2820-2821, 2853, 2859, 2911, 2992, 3118, 3179, 3208, 3227, 3246, 3264, 3271, 3326, 3407, 3414-3415, 3450, 3457, 3483, 3494, 3532, 3539, 3584, 3609, 3650, 3678, 3705, 3740, 3847, 3952, 3962, 4023, 4036, 4052, 4262, 4345, 4411, 4442, 4461, 4480, 4583, 4759-4760
FEVER: 464, 1489, 1766, 2035, 2448, 2769, 2801, 2954, 3262, 3328, 3521, 3527, 3815, 3935, 3991, 4396, 4514, 4610-4612
FEVER OF UNKNOWN ORIGIN: 4612
FIBRIN: 276, 751, 3110, 4001
FIBRINOGEN: 276, 748, 751, 1077, 1889, 2251, 2291, 2361, 2767, 2941, 3024, 4001, 4162, 4546, 4691, 4704
FIBRINOLYSIN: 1379, 2251, 3024, 4644
FIBRINOLYSIS: 164, 194, 276, 748, 751, 2251, 4236
FIBRINOLYTIC AGENTS: 4580
FIBROBLASTS: 1211, 1220, 1688, 2139, 2220, 2544, 2578, 2811, 2853, 3071, 3613, 3616, 4052, 4244, 4455, 4544
FIBROMA: 3329, 3488, 4581
FIBROSARCOMA: 675, 2395, 4205
FIBROSITIS: 1816
FIBROUS DYSPLASIA OF BONE: 288, 3065, 3260
FIBULA: 3181, 3344
FILARIASIS: 1601
FILARIOIDEA: 1601, 3103, 4728
FILTRATION: 1163, 3667
FINGER JOINT: 1429
FINGERS: 386, 547, 1311, 1987, 3210, 3398, 3509, 3834, 4134, 4447
FINLAND: 1229, 1796, 3094
FIRST AID: 4471
FISH DISEASES: 3304, 4159
FISH LIVER OILS: 272
FISH PRODUCTS: 2295, 4438
FISHES: 153, 311, 580, 690, 720, 896, 919, 1023, 1039, 1465, 1855, 2557, 3144, 3183, 3401, 4553
FLAVINS: 1074
FLAVOBACTERIUM: 3467, 3790
FLAVOPROTEINS: 1955
FLICKER FUSION: 1573
FLOUR: 303
FLUDROCORTISONE: 1017, 1154, 1634, 2113, 3511
FLUFENAMIC ACID: 936, 1838-1839
FLUMETHASONE: 1161, 1710, 3242, 4518
FLUOCINOLONE ACETONIDE: 409, 3736, 4596
FLUORENES: 1141
FLUORESCEINS: 1691, 3451, 4538, 4620
FLUORESCENCE: 553, 832, 1039, 1194, 1355, 1486, 1517, 1775, 2061, 2599, 2987, 3158, 3221, 3976, 4013, 4022, 4367, 4406
FLUORESCENCE ANGIOGRAPHY: 2771, 3282
FLUORESCENCE SPECTROMETRY: 37, 42, 370, 636, 772, 1018, 1401, 1517, 1555, 1628, 1691, 1751, 1917, 2431, 2695, 2921, 4289, 4347, 4615
FLUORESCENT ANTIBODY TECHNIC: 54, 218, 357, 739, 751, 847, 985, 1112, 1938, 2239, 2880, 2933, 3126, 3304, 3474, 3616, 4132, 4538, 4675, 4705
FLUORESCENT DYES: 4244
FLUORIDES: 71, 255, 292, 503, 594, 730, 763, 767, 969, 1028, 1047, 1449, 1627, 1795, 2228, 2238, 2254, 2341, 2432, 2446, 2478, 2550, 2764, 3019, 3386, 3537, 3780, 3858, 3927, 3943, 4099, 4657
FLUORINE: 474, 763, 2213, 2764, 3019, 3417, 3446, 3477, 4120
FLUOROACETATES: 887, 1953
FLUOROMETRY: 68, 167, 299, 884, 998, 1007, 1268, 1847, 1943, 2023, 2247, 2286, 2384, 2418, 3061, 3129, 3486, 3620, 3662, 3900, 3970, 4483, 4577
FLUOROSCOPY: 671, 3085, 3239, 4597
FLUOROURACIL: 2218, 2405, 3257, 3515, 3578, 4121, 4445, 4464
FLUOXYMESTERONE: 395
FLUPHENAZINE: 490, 3708
FLUPREDNISOLONE: 1697
FLURANDRENOLONE: 1125, 1164
FLUROXENE: 2759
FOLIC ACID: 199, 1680, 2329, 3459, 3656
FOLIC ACID ANTAGONISTS: 3656
FOLLOW-UP STUDIES: 122, 227, 249, 481, 671, 708, 859, 883, 984, 1119, 1137, 1327, 1489, 1518, 1564, 1586, 1744-1745, 1792, 1887, 1919-1920, 2007, 2144, 2193, 2476, 2571, 2602, 2803, 2822, 2824, 2854, 2896, 3020, 3213, 3237, 3385, 3410, 3658, 3685, 3715, 3815, 4101, 4481, 4598, 4624
FOOD: 521, 3898
FOOD ADDITIVES: 83, 97, 868
FOOD ANALYSIS: 1527, 2393
FOOD CONTAMINATION, RADIOACTIVE: 2295
FOOD DEPRIVATION: 248, 572, 1388, 1644, 2076, 3037, 3114, 3194, 3940, 4474, 4492
FOOD, FORTIFIED: 3764
FOOD HABITS: 303, 2486, 2661
FOOD IRRADIATION: 3754, 4053
FOOD POISONING: 4778
FOOD PREFERENCES: 770, 4642
FOOD PRESERVATION: 2918
FOOT: 37, 518, 937, 960, 1706, 2198, 2216, 3328, 4122, 4579
FOOT-AND-MOUTH DISEASE: 3886
FOOT-AND-MOUTH DISEASE VIRUS: 407
FORAMEN MAGNUM: 3569
FOREARM INJURIES: 4617
FOREIGN BODIES: 191, 2629, 3004, 4553
FOREIGN BODY REACTION: 633
FORELIMB: 1854, 4579
FORENSIC MEDICINE: 2335
FORMALDEHYDE: 321, 1194, 1486, 2061, 2429, 3337, 3780, 4031
FORMAMIDE: 2887
FORMATES: 3936
FORMIC ACIDS: 1445, 2409, 3503
FORSSMAN ANTIGEN: 4296
FOUNDATIONS: 3754, 4053
FOURIER ANALYSIS: 8
FOXES: 1197, 2850
FRACTURE FIXATION: 556
FRACTURE FIXATION, INTERNAL: 4325
FRACTURES: 897, 994, 1075, 1090, 1251, 1468, 2756, 3932, 4299, 4325, 4409
FRACTURES, OPEN: 4471
FRACTURES, SPONTANEOUS: 899, 1278, 2775
FRANCE: 74, 1246, 2292
FREE RADICALS: 4370
FREEMARTINISM: 33
FREEZE DRYING: 37, 678, 795, 2415, 3743
FREEZE ETCHING: 1462
FREEZING: 124, 504, 1971, 2524, 2950, 4063, 4370, 4459
FRESH WATER: 2563
FREUND'S ADJUVANT: 740, 3357, 4300, 4362, 4433, 4542, 4743
FRIGIDITY: 173, 1524, 1861
FROEHLICH'S SYNDROME: 2888
FROGS: 153, 353, 393, 471, 690, 969, 1221, 1249, 1475, 1545, 1550, 1574, 1604, 2065, 2221, 2480, 2557, 2668, 2685-2686, 2733, 2856, 2939, 2945, 2953, 2978, 3113, 3158, 3176, 3227, 3240, 3426, 3534, 3771, 4113-4114, 4258, 4430, 4504
FRONTAL LOBE: 466, 469, 1246, 2960, 2982, 4594
FRUCTOSE: 27, 45, 1232, 1526, 1686, 2132, 2504, 2506-2507, 2543, 2696, 3255, 4442
FRUCTOSEPHOSPHATES: 1723, 2360, 3494
FSH: 9, 103, 116, 158, 170, 190, 217, 283, 304, 315, 319, 327, 342, 395, 405, 437, 466, 546, 554, 634, 664-665, 677, 713, 796, 816, 825-826, 829, 947, 986, 990, 1046, 1082, 1158, 1189, 1212, 1215-1216, 1286, 1318, 1383, 1402, 1404, 1406, 1461, 1497, 1544, 1570, 1593, 1647, 1690, 1826-1827, 1834, 1905, 2003, 2024, 2041, 2060, 2127, 2182, 2190, 2297, 2369, 2449, 2475, 2479, 2521, 2561, 2653, 2664, 2724, 2832, 2912-2913, 2965, 2974, 2997-2998, 3022, 3038, 3042, 3066, 3088, 3098, 3214, 3407, 3536, 3600, 3625, 3638, 3649, 3666, 3671, 3677, 3694, 3716-3717, 3753, 3826, 3873, 3888, 3977, 3988, 4026, 4040, 4093, 4178, 4192, 4195, 4212, 4265, 4277, 4321, 4373, 4433, 4481, 4551, 4556, 4558, 4568, 4639, 4670, 4692, 4717-4718
FUCOSE: 171, 2041, 3522, 4555
FUMARATE HYDRATASE: 2811, 3001
FUMARATES: 3559, 3700
FUNDUS OCULI: 2771, 3280, 3441, 4507
FUNGAL PROTEINS: 1201, 4279
FUNGI: 1870, 4625
FURANS: 483, 4120
FUROSEMIDE: 174, 258, 456, 684, 1021, 1254-1255, 1376, 2145, 2468, 2665, 3339, 3489, 3916, 4126
FUSARIUM: 3810
FUSIDIC ACID: 3448, 4408
FUTUROLOGY: 3934

G

GALACTOSAMINE: 2374, 2387
GALACTOSE: 339, 1526, 1701, 2041, 2967, 3440, 4555
GALACTOSEMIA: 2144
GALACTOSIDASE: 428, 688, 811, 1449, 1663-1664, 1701, 1800, 2005-2006, 3169, 3456
GALANTHAMINE: 1181
GALLAMINE TRIETHIODIDE: 1314
GALLBLADDER: 29, 87, 2467, 3266, 3706
GALLBLADDER DISEASES: 2467, 3853, 4306, 4779
GALLIUM: 175, 1734, 2079, 2589
GAMMA GLOBULIN: 685, 795, 1150, 1669, 2008, 2336, 2412, 2445, 2893, 3314, 3321, 3727, 3785, 4016, 4656, 4705
GAMMA GLOBULIN, 19S: 4279
GAMMA SPECTROMETRY: 3763
GANGLIA: 37, 159, 411, 782, 860, 1459, 1519, 1960, 2306, 2346, 2357, 2748, 2933, 3134-3135

GANGLIA, AUTONOMIC: 1557, 2012, 2651, 3001, 3463, 3553
GANGLIA, BASAL: 1143, 1400, 1454, 1492, 1555, 1742, 1945, 2102, 3114
GANGLIA, SPINAL: 1249, 1672, 3001, 3584
GANGLIONEUROMA: 2007, 2392
GANGLIONIC BLOCKADERS: 1280, 2070, 2315, 2894, 3805, 4777
GANGLIOSIDES: 548, 1114, 3370
GANGRENE: 123, 593, 1933, 4691
GASTRECTOMY: 257, 1452, 3669, 4714
GASTRIC ACIDITY DETERMINATION: 330
GASTRIC HYPOTHERMIA: 4477
GASTRIC JUICE: 257, 289, 330, 337, 585, 671, 1063, 1508, 1533, 1824, 1863, 2001, 2056, 2399, 2592, 3637, 3860, 4082, 4477, 4582
GASTRIC MUCOSA: 257, 289, 317, 337, 671, 1194, 1321, 1486, 1533, 2364, 2399, 2592, 3610, 4116, 4330, 4477, 4582
GASTRIN: 257, 1194, 1321, 1326, 1824, 1863, 3724, 4082
GASTROENTERITIS, TRANSMIS- SIBLE OF SWINE: 1833, 2823
GASTROINTESTINAL AGENTS: 316
GASTROINTESTINAL DISEASES: 1214, 2353, 2863, 2994, 3011, 3488, 3656
GASTROINTESTINAL HORMONES: 508, 585, 3724, 3958, 4649
GASTROINTESTINAL MOTILITY: 403, 766, 1023, 1148, 1391, 3266, 3319, 3580, 4595
GASTROINTESTINAL NEOPLASMS: 2600
GASTROINTESTINAL SYSTEM: 780, 929, 1097, 1100, 1345, 1609, 1682, 1684, 2399, 3764, 3779, 3821, 4167
GASTROSTOMY: 337
GAUCHER'S DISEASE: 2290
GEL DIFFUSION TESTS: 54, 154, 437, 545, 612, 682, 711, 749, 751, 965, 1371, 1548, 1767, 1807, 1938, 2274, 2474, 2667, 2761, 2877, 3023, 3323, 3407, 3826, 3982, 4193, 4264, 4432-4433, 4538, 4544, 4692
GEL FILTRATION: 37, 75, 139, 171, 178, 213, 294, 351, 451, 460, 497, 529, 636, 673, 699, 723, 751, 816, 915, 1001, 1078, 1163, 1236-1237, 1241, 1265, 1307, 1337, 1399, 1418, 1444, 1482, 1505, 1507, 1512, 1555, 1561, 1617, 1628, 1673, 1675, 1701, 1721, 1723, 1751, 1804, 1843, 1953, 1994, 2014, 2025, 2038, 2069, 2086, 2276, 2409, 2593, 2797, 2878, 2921, 3018, 3098, 3132, 3236, 3312-3313, 3323, 3399, 3455-3456, 3522, 3524, 3611, 3679, 3700, 3705, 3739, 3743, 3788, 3874-3875, 3901, 3903, 3921, 3979, 3998, 4096, 4198, 4256, 4371, 4421, 4432, 4489, 4506, 4538, 4543, 4555, 4568, 4607, 4645, 4692, 4696, 4720
GELS: 1845, 2460, 3368, 3736
GENE FREQUENCY: 3564, 3605, 3633
GENERAL PRACTICE: 22, 3441
GENERAL PRACTICE, DENTAL: 1069
GENES: 265, 681, 799, 1066, 1217, 1567, 1779, 2382, 2556, 3121, 3211, 3308, 3471, 3508, 3922, 4561, 4675
GENES, DOMINANT: 324, 390, 799, 1956, 3983, 4067, 4728
GENES, LETHAL: 135, 2458, 4423
GENES, RECESSIVE: 246, 324, 390, 799, 1918, 1925, 2458, 2903, 2922, 4067, 4214, 4423, 4728
GENES, REGULATOR: 688, 1641, 2967, 3169, 3485, 3787, 4144
GENES, STRUCTURAL: 711, 1641, 2544, 3121, 3485, 3564, 3615, 4054, 4144
GENES, SUPPRESSOR: 2458
GENETIC CODE: 265, 3485
GENETIC COMPLEMENTATION TEST: 265, 3456
GENETIC COUNSELING: 799, 1956, 2942, 4067, 4765
GENETIC TECHNICS: 3944
GENETICS: 465, 681, 2313, 2764, 2820, 4799
GENETICS, BEHAVIORAL: 41, 1208, 2327, 2556, 3194
GENETICS, BIOCHEMICAL: 3121
GENETICS, HUMAN: 390, 1205, 1722, 2987
GENETICS, POPULATION: 470, 1029
GENICULATE BODIES: 223, 491, 953, 1550
GENITAL DISEASES, MALE 593
GENITALIA 1853, 2892, 4447
GENITALIA, FEMALE: 629, 844, 2180, 2501, 2973, 3141, 3159, 3182, 3535, 3925, 4135
GENITALIA, MALE: 844, 1044, 2194, 2501, 2634, 2973 2997, 3182, 4547, 4574
GENOTYPE: 533, 1208, 1231, 1764, 1880, 2299, 2556, 3121, 3155, 3346, 3508, 3786, 3922
GENTAMICIN: 2067
GEOGRAPHY: 3831
GERBILS: 263, 1781, 2427, 2433, 2548, 2578, 2939, 3014, 4497, 4601
GERIATRICS: 1245
GERM CELLS: 391, 1790, 2685-2686, 3833, 3866, 4025
GERM-FREE LIFE: 2899, 3003
GERM LAYERS: 137, 716
GERMANY, EAST: 328, 2730, 3153, 3297
GERMANY, WEST: 501, 1586, 4467, 4530
GESTATIONAL AGE: 5, 10, 38, 69, 176, 182, 328, 391, 416, 463, 631, 750, 806-808, 964, 966, 1333, 1372, 1385, 1449, 1458, 1600, 1624, 1722, 1807, 1951, 1954-1955, 2020, 2186, 2256, 2500, 2580, 2614, 2744, 2911, 2989, 3046, 3191, 3227, 3264, 3271, 3326, 3361, 3417, 3532, 3650, 3703, 3760, 4025, 4058, 4278, 4288, 4411, 4461, 4467, 4472, 4479, 4498, 4565, 4590, 4694, 4717
GIANT CELL TUMORS: 622
GIGANTISM: 759, 2286, 2923, 3258, 3639, 4170, 4554, 4716
GILLS: 37
GINGIVA: 3603
GINGIVAL NEOPLASMS: 1591
GLAUCOMA: 1864, 2146, 2384, 3226, 3441, 3786, 4507
GLIBENCLAMIDE: 2858, 3460, 4793
GLIOBLASTOMA MULTIFORME: 101, 675, 1719, 1729, 3117, 3409, 4501
GLIOMA: 377, 645, 719, 881, 1107, 1520, 1930, 2319, 3523, 3831, 4525
GLOBULINS: 194, 1077
GLOBUS PALLIDUS: 2368, 2982
GLOMERULAR FILTRATION RATE: 64, 150, 165, 174, 290, 324, 528, 1021, 1117, 1648, 1746, 2073, 2130, 2200, 2209, 2221, 2615, 3037, 3339-3340, 3812, 3993, 4355
GLOMERULONEPHRITIS: 139, 197, 237, 731, 751, 876, 1228, 1334, 1436, 1476, 1598, 1732, 1920, 2160, 2680, 3379, 3383, 3489, 3562, 4340
GLOSSITIS: 3314
GLOTTIS: 450, 3725
GLUCAGON: 164, 184, 336, 339, 508, 537, 552, 637, 653, 812, 1018, 1096, 1124, 1157, 1265, 1326, 1331, 1392, 1458, 1519, 1574, 1587, 1643, 1668, 1786, 2124, 2126, 2176, 2228, 2259, 2480, 2494, 2584, 2608, 2614, 2627, 2845, 2858, 3163, 3345, 3431, 3537, 3559, 3724, 3779-3780, 3862, 3904, 3987, 4048, 4180, 4266, 4503, 4529, 4559, 4565, 4745, 4806
GLUCOCORTICOIDS: 164, 185, 202, 247, 291, 382, 649, 911, 951, 1242, 1369, 1401, 1407, 1409, 1458, 1489, 1586, 1641, 1674-1675, 1728, 1826, 1873, 1887, 1974, 1985, 2087, 2146, 2154, 2163, 2175-2176, 2443, 2490, 2527, 2597, 2771, 2847-2848, 2977, 3010, 3176, 3291, 3447, 3469, 3474, 3551, 3814, 3882, 3901, 3945, 4018, 4100, 4148, 4262, 4280, 4333, 4411, 4484, 4518, 4703, 4766, 4794
GLUCOCORTICOIDS, TOPICAL: 488, 1164, 1220, 1271, 2648, 3302, 3446, 3741, 3750, 3975, 4408, 4650
GLUCOKINASE: 4048
GLUCONATES: 150, 1072, 2530, 3111, 3795
GLUCONEOGENESIS: 336, 1641, 3453, 3559, 4266, 4726
GLUCOSAMINE: 171, 2034, 4555, 4589
GLUCOSAMINIDASE: 1663-1664, 1839, 2074, 2811, 3071
GLUCOSE: 20, 28, 76, 374, 455, 476, 653, 818, 867, 1017, 1061, 1076, 1096, 1152, 1201, 1232, 1235, 1336, 1361, 1374, 1471, 1499, 1526, 1585, 1612, 1627, 1686, 1706, 1848, 1873, 1914, 2041, 2123, 2126, 2132, 2161, 2210, 2240, 2255, 2268, 2329, 2350, 2443, 2530, 2668, 2758-2759, 2835, 2837, 2919, 2939, 2950, 3120, 3186-3187, 3201, 3268, 3282, 3339, 3343, 3422, 3440, 3453, 3494, 3554, 3663, 3830, 3868, 3951, 3976, 4017, 4021, 4115, 4136, 4161, 4272, 4328, 4348, 4376, 4419, 4453, 4468, 4485, 4503, 4555, 4742, 4793
GLUCOSE OXIDASE: 2773
GLUCOSE TOLERANCE TEST: 106, 759, 1330, 1466, 1528, 1606, 1618, 1946, 2054, 2126, 2343, 2355, 2443, 2520, 2632-2633, 2677, 2814, 2956, 3200, 3357, 3391, 3431, 3839, 3941, 3947, 3999, 4021, 4161, 4468, 4505, 4664, 4712, 4737
GLUCOSEPHOSPHATASE: 475, 4272, 4399, 4726
GLUCOSEPHOSPHATASE DEFICIENCY: 339
GLUCOSEPHOSPHATE DEHYDROGENASE: 20, 297, 362, 1678, 1681, 2042, 2074, 2618, 2773, 3001, 3077, 3422, 3635, 3678, 3689, 3746, 3952, 4008, 4052, 4254, 4726
GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY: 1190
GLUCOSEPHOSPHATE ISOMERASE 1678
GLUCOSEPHOSPHATES: 213, 1723, 2341, 3439
GLUCOSIDASE: 339, 428, 2005-2006, 2162, 2590
GLUCOSYLTRANSFERASES: 86-87, 298, 1336, 3438, 4168, 4264
GLUCURONATES: 867, 942, 1336, 1346, 1955, 2086, 2118, 2453, 2462, 2847, 3396, 3415-3416, 3543, 3548, 3759, 4555, 4740
GLUCURONIDASE: 28, 389, 726, 734, 942, 1385, 1800, 1839, 1873, 2074, 2811, 3082, 3759, 4018, 4144, 4158, 4723, 4742
GLUTAMATE DEHYDROGENASE: 723, 1434, 1641, 1770, 2773, 3869
GLUTAMATES: 443-444, 654, 674, 1141, 1152, 1234, 1434, 1702, 2546, 2939, 3110, 3316, 3349, 3404, 3778, 3791, 4339, 4524, 4615
GLUTAMINE: 1573, 1721, 2444, 3494, 3559, 4200
GLUTAMINE SYNTHETASE: 1665, 3686, 3787
GLUTAMYL TRANSPEPTIDASE: 1141, 1665, 4339
GLUTARALDEHYDE: 2429, 3780
GLUTARATES: 1673
GLUTATHIONE: 1356, 3345, 4335, 4602, 4669
GLUTETHIMIDE: 1967
GLYCERALDEHYDE: 1686
GLYCERIDES: 284, 371, 2085, 3802, 4061, 4440, 4460
GLYCERIN: 174, 300, 537, 575, 1015, 1104, 1235, 1361, 1417, 1574, 2123, 2241, 2268, 2336, 3157, 3290, 3392, 3420, 3472, 3732, 3776, 3875, 4379, 4517, 4537
GLYCEROLPHOSPHATE DEHYDROGENASE: 321, 363, 2773, 3422, 3617
GLYCEROPHOSPHATES: 1900, 2085, 4360
GLYCERYL TRINITRATE: 85
GLYCERYLPHOSPHORYLCHOLINE: 871
GLYCINE: 77, 1497, 1576, 1578, 1810, 2034, 2941, 3926, 4218, 4682
GLYCOGEN: 1076, 1232, 1458, 1793, 1908, 1925, 1977, 2196, 2202, 2270, 2413, 2494, 2578, 2590, 2759, 2906-2908, 2950, 3464, 3675, 4140, 4168, 4485
GLYCOGEN PHOSPHORYLASE: 388, 711, 2042, 2524, 3001, 3163, 3439, 4048, 4485
GLYCOGEN SYNTHETASE: 4399, 4469, 4485
GLYCOGENOSIS: 339
GLYCOLIPIDS: 3471
GLYCOLS: 471, 789, 1845, 1971, 3351, 3599, 4227, 4374
GLYCOLYSIS: 336, 363, 2017, 2132, 2919
GLYCOPEPTIDES: 3522
GLYCOPROTEINS: 94, 171, 788, 811, 1061, 1321, 1925, 2111, 2153-2154, 2635, 2656, 2704, 2726, 2760, 3023, 3436
GLYCOSIDE HYDROLASES: 1061, 1839, 2005, 3312, 4555, 4797
GLYCOSIDES: 674, 1336, 1626, 2339, 3440, 4555
GLYCOSURIA: 1466, 2200, 4468
GLYCYRRHIZA: 1784
GOATS: 7, 33, 817, 1001, 1233, 1237, 1266, 1402, 1487, 1668, 2020, 2377, 2424, 2526, 2761, 3233, 4062, 4192, 4239, 4450, 4698-4699
GOITER: 243, 321, 635, 703, 903, 985, 1307, 1326, 1410, 1543, 1564, 1725, 1733, 1904, 1942, 1969, 2040, 2079, 2245, 2274, 2447, 2585, 2702, 2860, 2884, 3075, 3279, 3460, 3664, 3811, 3929, 4004, 4085, 4446, 4588
GOITER, ENDEMIC: 183, 1122, 1733, 2167, 2795, 4778
GOITER, EXOPHTHALMIC: 32, 141, 260, 605, 709, 880, 934, 957, 1111, 1119, 1137, 1562, 1817, 1837, 1860, 1865, 2040, 2097, 2117, 2206, 2435, 2793, 2837, 2927, 3119, 3166, 3252, 3457, 4118, 4150
GOITER, NODULAR: 1733, 2080, 2727, 3051, 4588
GOITER, SUBSTERNAL: 987, 1185, 1733, 4436, 4655
GOLD: 162, 1901, 1970, 4400, 4628
GOLD COLLOID, RADIOACTIVE: 2961
GOLD ISOTOPES: 1340, 2589
GOLGI APPARATUS: 411, 579, 700, 707, 814, 860, 878, 954, 1057, 1154, 1194, 1303, 1411, 1516, 1624, 1832, 2152, 2536, 2682, 2849, 2978, 3248, 3612, 4025, 4258, 4455, 4684
GONADOTROPINS: 2, 116, 319, 329, 419, 552, 571, 647, 664, 793, 902, 1024, 1205, 1211, 1286, 1318,

1383, 1416, 1480, 1498, 1509, 1790, 1840, 2019, 2182, 2354, 2542, 2794, 2805, 2917, 2972, 3022, 3139, 3333, 3401, 3777, 3827, 3883, 3988, 4091, 4154, 4265, 4353, 4377, 4385, 4411, 4707
GONADOTROPINS, CHORIONIC: 24, 70, 116, 118, 146, 169-170, 177, 264, 268, 304, 315, 348, 398-399, 439, 445, 568-569, 590, 602, 665-666, 713, 746, 791, 796, 864, 887, 894, 1166, 1215, 1351, 1427, 1461, 1498, 1593, 1642, 1660, 1680, 1690, 1790, 1806-1807, 1826, 1831, 1858, 1936, 1941, 1973, 2019, 2177, 2302, 2370, 2372, 2377, 2391, 2408, 2438, 2451, 2462, 2484, 2506-2507, 2519, 2731, 2761, 2805, 2808, 2850, 2869, 2872, 3042, 3072, 3099, 3140-3141, 3170, 3217, 3360, 3362, 3408, 3449, 3625, 3649, 3686, 3692, 3695, 3719, 3753, 3867, 3888, 3913, 3988, 4028, 4030, 4040, 4081, 4130, 4136, 4139, 4192, 4245, 4263-4264, 4277, 4490, 4506, 4533, 4536, 4571, 4670, 4694, 4766
GONADOTROPINS, EQUINE: 439, 1058, 1790, 2805, 2869, 3140-3141, 3408, 3695, 3913, 4234, 4571, 4670
GONADOTROPINS, PITUITARY: 9, 158, 178, 327, 825, 829, 1158, 1215-1216, 1359, 1461, 1544, 2024, 2059, 2653, 2838, 3078-3079, 3638, 3710, 3826, 3873, 4093, 4097, 4321, 4433
GONADS: 268, 647, 793, 1013, 1044, 1110, 1284, 1554, 1760, 1903, 1949, 2072, 2243, 2717, 2856, 2944, 3012, 3304, 3466, 3722, 3766, 3833, 3887, 3962, 4014, 4025, 4037, 4083, 4159, 4385, 4489, 4628, 4739
GONANES: 133
GONIOSCOPY: 3569
GONORRHEA: 3994
GOODPASTURE'S SYNDROME: 934
GOUT: 518, 1056, 1724, 1958, 3602, 4006-4008, 4148
GOVERNING BOARD: 4766
GRAAFIAN FOLLICLE: 105, 120, 182, 405, 513, 1024, 1205, 2042, 2234, 2377, 2805, 2974, 3139, 3692, 3863, 4264, 4295, 4551, 4620, 4693
GRAFT REJECTION: 101, 181, 249, 309, 678, 1145, 1754, 2158, 2193, 2555, 3226, 3340, 3922, 4104, 4131, 4267, 4521
GRAFT VS HOST REACTION: 642, 1754, 2044, 2555, 3887
GRAIN: 4778
GRAM NEGATIVE BACTERIA: 3028, 4477, 4610, 4619
GRANULATION TISSUE: 1977, 3616
GRANULOMA: 719, 937, 1470, 1870, 2293, 2937, 4031, 4366, 4612
GRANULOSA CELL TUMOR: 1035, 1679, 3556
GRASSHOPPERS: 707, 1184, 2107, 2546
GREAT BRITAIN: 1230, 1703, 1899, 3588, 4541
GRISEOFULVIN: 2122
GROOMING: 3366, 4337
GROUP PROCESSES: 923
GROWTH: 416, 690, 788, 844, 861, 911, 933, 977, 1012, 1159, 1509, 1609, 2088, 2571, 2820, 3406, 3454, 3532, 3763, 4156, 4201, 4412
GROWTH DISORDERS: 2, 23, 418-419, 639, 722, 1088, 1292, 1318, 1578, 2060, 2198, 2449, 2500, 2901, 3260, 3275, 3410, 3435, 3762, 3887, 4035, 4122, 4559, 4690, 4749
GROWTH SUBSTANCES: 83, 97, 3615
GUAIACOL GLYCERYL ETHER: 382
GUANETHIDINE: 160, 646, 738, 1546, 3283, 3636, 3981
GUANIDINES: 1628, 2069, 2090, 2532, 3029, 3636, 3871, 3874, 4096
GUANINE NUCLEOTIDES: 273, 1587, 1721, 2643, 3292, 3774
GUANOSINE: 1362
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE: 273, 608, 680, 1139, 1801, 2178, 2212, 2220, 2223, 2495, 2601, 3292, 3613, 3615, 3774, 3865, 4062-4063, 4104, 4382, 4493
GUANOSINE TRIPHOSPHATE: 273, 531, 1399, 1587, 2213, 3537, 4382
GUANYL CYCLASE: 1426, 2643, 4063
GUATEMALA: 3654
GUINEA PIGS: 87, 92, 145, 215, 217-218, 284, 332, 368, 388, 407, 437, 582, 587, 626-627, 646, 689, 694, 732, 789, 830, 837, 839, 852, 859, 871, 959, 973, 1043, 1047, 1062, 1070, 1121, 1136, 1152, 1161, 1222, 1248, 1288, 1391, 1442, 1503, 1519, 1599, 1652, 1685, 1802, 1809, 1877, 1890, 1924, 1983, 2016, 2027, 2096, 2103, 2258-2259, 2337, 2427-2429, 2453, 2512, 2540, 2564, 2590-2591, 2593, 2646, 2652, 2654, 2656, 2664, 2676, 2785, 2797, 2939, 3063, 3127, 3158, 3179, 3199, 3208, 3293, 3305, 3328, 3349, 3361, 3443, 3565, 3571, 3708, 3751, 3780, 3783, 3860, 3886, 3890, 3933, 4086-4087, 4155, 4169, 4192, 4215, 4217, 4296, 4313, 4362, 4412, 4440, 4454, 4463, 4495, 4542, 4561, 4589, 4599, 4649, 4692, 4698, 4710, 4713, 4738, 4754
GYMNASTICS: 1395
GYNECOLOGIC DISEASES: 22, 2230, 2256, 2386, 3906
GYNECOLOGIC NEOPLASMS: 563, 2156, 2218, 2256, 2405, 2672, 3815, 4802
GYNECOLOGY: 2010, 2116
GYNECOMASTIA: 639, 664, 1166, 1246, 1427, 2127, 3655, 4091, 4314, 4398, 4688
GYRUS CINGULI: 3954

H

HABITUATION (PSYCHOPHYSIOLOGY): 491, 2188, 2327
HAEMOPHILUS INFLUENZAE: 2448
HAIR: 721, 738, 1088, 2059, 2198, 2295, 2922-2923, 2933, 3156, 3834, 4022, 4055
HAIR REMOVAL: 803
HALF-LIFE: 19, 81, 226, 320, 449, 459, 670, 950, 1125, 1132, 1329, 1360, 1653-1654, 1898, 1987, 2113, 2294, 2666, 3003, 3019, 3145, 3241, 3453, 3557, 3606, 3661, 3677, 3711, 3773, 3957, 4017, 4672
HALLUCINOGENS: 199, 209, 646, 1525, 1616
HALOPERIDOL: 490, 538, 665, 735, 1400, 1968, 3662, 4350, 4404
HALOTHANE: 221, 336, 1237, 2132, 2759, 4387, 4548, 4592
HAMARTOMA: 418, 1107, 2183, 3258
HAMSTERS: 20, 171, 185, 263, 373, 392, 407, 532, 917, 1154, 1247, 1405, 1529, 1647, 1736, 2282, 2350, 2419, 2456, 2480, 2496, 2504-2507, 2578, 2583, 2800, 2811, 2853, 2880, 2933, 2939, 2949, 2952, 2973, 3048, 3356, 3403, 3463, 3484, 3500, 3522, 3595, 3716, 3784, 3847, 3849, 4010, 4039, 4241, 4456, 4497, 4626, 4670, 4727, 4738, 4788
HAND: 925, 960, 1706, 2198, 2216, 2385, 3584, 3654, 4122, 4392
HAND DEFORMITIES, ACQUIRED: 4122, 4148
HAND-SCHUELLER-CHRISTIAN SYNDROME: 3714
HANDLING (PSYCHOLOGY): 128, 1909, 2762, 3366
HAPLOIDY: 1184, 1674, 2685-2686, 3605, 4540
HAPTENS: 115, 1077, 3089
HAPTOGLOBINS: 2312
HARDNESS: 1876, 2599
HARTNUP DISEASE: 2841
HAVERSIAN SYSTEM: 2662
HAY FEVER: 1939-1940, 3768, 3842, 4280
HEAD: 2626, 3319, 3878, 4134, 4658
HEAD INJURIES: 275, 1986, 2140, 2493, 2852, 2888, 4291
HEADACHE: 970, 1403, 2267, 2354, 2493, 2568, 2611, 3830, 4233, 4378, 4560
HEALTH EDUCATION, DENTAL: 1069
HEALTH FACILITIES: 854
HEALTH OCCUPATIONS: 4766
HEALTH PHYSICS: 507
HEALTH SURVEYS: 566, 4779
HEARING DISORDERS: 304, 1108, 1177, 2446
HEART: 37, 299, 346, 388, 393, 412, 455, 629, 646, 929, 931, 979, 1089, 1273, 1557, 1569, 1590, 1614, 1621, 1852, 2017, 2117, 2149-2151, 2189, 2223, 2258-2259, 2337, 2403, 2432, 2508, 2512, 2545, 2551, 2651, 2670, 2678, 2829, 2854, 2856, 2870, 2969-2970, 2986, 3044, 3063, 3163, 3173, 3304, 3335, 3392, 3465, 3722, 3780, 3784, 4251, 4293, 4437, 4710, 4781
HEART ATRIUM: 66, 646, 979, 1519, 1775, 2132, 2970, 3063, 4454, 4565
HEART AUSCULTATION: 164, 2381, 2801, 2854
HEART BLOCK: 2621
HEART CATHETERIZATION: 67, 1441, 2660, 3604
HEART CONDUCTION SYSTEM: 4056
HEART DEFECTS, CONGENITAL: 161, 1308, 1632, 3068, 4765
HEART DISEASES: 205, 698, 1180, 1625, 2713, 2854, 3190, 3338, 3372, 3389, 3468, 4229, 4381
HEART ENLARGEMENT: 312, 655, 736, 1547, 1639, 2801, 2952, 3260, 3784, 4128
HEART FAILURE, CONGESTIVE: 307-308, 312, 1353, 1625, 2145, 2380-2381, 2678, 3260, 3489, 3614, 3784, 4272, 4641
HEART FUNCTION TESTS: 1424, 1441, 3338, 3549
HEART MASSAGE: 220
HEART RATE: 37, 107, 559, 581, 809, 815, 886, 979, 1000, 1076, 1099, 1132, 1208-1209, 1218, 1519, 1522, 1559, 1590, 1682, 1720, 1775, 2032, 2223, 2337, 2358, 2403, 2434, 2441, 2482-2483, 2508, 2551, 2651, 2854, 3055, 3063, 3083, 3136, 3288, 3549, 3636, 3876, 4169, 4565, 4664
HEART SEPTAL DEFECTS, VENTRICULAR: 3094
HEART SURGERY: 3883
HEART VALVE DISEASES: 435
HEART VALVE PROSTHESIS: 679
HEART VENTRICLE: 312, 736, 2117, 2223, 2508, 2854, 2986, 3063, 3070, 4791
HEAT: 13, 262, 293, 341, 407, 423, 573, 906, 1280, 1373, 1505, 1561, 1663-1664, 1701, 1970, 2878, 2891, 2990, 3275, 3288, 3705, 3835, 3986, 4193, 4315, 4330, 4452, 4494, 4555
HEATING: 2131
HEAVY CHAIN DISEASE: 3054
HEDGEHOGS: 2866
HELA CELLS: 760, 2128, 3944, 4010, 4193
HEMADSORPTION: 1938, 4132
HEMAGGLUTINATION INHIBITION TESTS: 58, 329, 407, 714, 2363, 3099
HEMAGGLUTINATION TESTS: 32, 407, 915, 1382, 1548, 1868, 1938, 3075, 3899, 4131-4132, 4433
HEMAGGLUTININS, VIRAL: 407
HEMANGIOENDOTHELIOMA: 903, 955
HEMANGIOMA: 2980, 3260, 3347, 3502, 3725, 4128, 4134, 4525
HEMARTHROSIS: 994, 1537, 4059
HEMATOCRIT: 276, 320, 435, 802, 844, 886, 933, 1021, 1235, 1273, 1298, 1378, 1416, 1585, 1766, 2058, 2100, 2240, 2426, 2650, 2733, 3138, 3190, 3311, 3375, 3417, 3667, 3807, 4121, 4274, 4340, 4416, 4482
HEMATOLOGIC DISEASES: 747, 1264, 3557, 3656, 4084, 4610
HEMATOMA: 417, 1523, 1697, 3296, 3525
HEMATOMA, SUBDURAL: 275
HEMATOPOIESIS: 48, 1270, 1275, 1888, 2339
HEMATOPOIETIC STEM CELLS: 1270, 1431, 1532, 1897-1898
HEMATURIA: 139, 708, 876, 918
HEME: 687, 1074, 1297, 1897, 3875
HEMICHOLINIUM 3: 2304
HEMIPLEGIA: 784, 1177, 1319, 1470
HEMOCHROMATOSIS: 3231, 3602, 3622, 3945
HEMOCYANIN: 1077, 1655
HEMODIALYSIS: 309, 584, 739, 855, 858, 886, 899, 940, 989, 1051, 1363, 2193, 2380-2381, 2535, 2775, 2830, 3019, 3340, 3384, 3509, 3542, 3568, 3658-3659, 3918, 4299, 4340, 4751
HEMODIALYSIS, HOME: 2642, 4751
HEMODYNAMICS: 66, 165, 308, 379, 698, 802, 920, 1051, 1746, 1877, 2048, 2117, 2257, 2315, 2358, 2486, 2819, 2835, 3028, 3083, 3288, 3830, 4108, 4169, 4725
HEMOGLOBIN: 475, 670, 933, 1297, 1378, 1416, 2090, 2426, 2650, 3028, 3311, 3521, 3807, 4359
HEMOGLOBINOMETRY: 48, 386, 3358, 3406
HEMOLYSIS: 145, 670, 1174, 2360, 4359
HEMOLYTIC PLAQUE TECHNIC: 82, 2016, 2534
HEMOPERITONEUM: 2827, 2935
HEMOPHILIA: 435, 3428, 4059, 4498, 4765
HEMOPTYSIS: 865, 2999, 4236, 4553
HEMORRHAGE: 123, 240, 588, 748, 769, 1049, 1537, 1539, 1975, 2035, 2183, 2591, 2827, 3050, 3329, 3521, 4000, 4588, 4748, 4758
HEMORRHAGE, GASTROINTESTINAL: 234, 289, 2669, 3380, 3395, 4223, 4477
HEMORRHAGE, ORAL: 549
HEMORRHAGE, POSTPARTUM: 1390, 2896, 3598, 4472
HEMORRHAGIC DIATHESIS: 435, 1030, 2291, 3768
HEMOSIDERIN: 2995, 3945
HEMOSTASIS: 748, 3024, 4059
HEMOSTATICS: 679, 1586, 2527, 2566
HEPARIN: 242, 435, 731, 967, 1061, 1530, 1800, 2251, 2526, 2588, 3293, 3375, 3918, 3948, 4589, 4781, 4806
HEPARIN ANTAGONISTS: 2526
HEPARITIN SULFATE: 2154
HEPATECTOMY: 849, 1343, 2755, 4494, 4500
HEPATIC COMA: 1450, 2560
HEPATITIS: 161, 232, 449, 650, 934, 1033, 1329, 1586, 3016, 3469, 3734-3735, 3821, 4163, 4612
HEPATITIS, HOMOLOGOUS SERUM: 2893, 4163

HEPATITIS, INFECTIOUS: 349, 650, 1873, 2374, 2560, 2893, 4163, 4363
HEPATITIS, TOXIC: 2374, 2387, 3358, 4163
HEPATOLENTICULAR DEGENERATION: 1088, 3602
HEPATOMA: 637, 1113, 1141, 1373, 1670, 1674-1675, 2853, 3046, 3494, 4155, 4345, 4494
HEPATOMEGALY: 2, 664, 1177, 2290, 2935, 3260, 3383, 3821, 4250
HERBICIDES: 655
HEREDITARY DISEASES: 390, 437, 2942, 3801, 4067, 4244, 4759
HERMAPHRODITISM: 639, 1760, 2060, 2794, 2923, 3239, 3466, 3851, 4178, 4385, 4765
HERNIA: 4573
HEROIN ADDICTION: 1372
HERPES LABIALIS: 4514
HERPES SIMPLEX: 246, 1515, 2445, 3785, 4514
HERPES ZOSTER: 4363
HERPES ZOSTER, OCULAR: 1150, 4514
HERPESVIRUS: 3317, 4514
HERPESVIRUS HOMINIS: 2445, 3785, 4705
HERPESVIRUS INFECTIONS: 1150
HERPESVIRUS SIMIAN B: 1150
HETEROCHROMATIN: 135, 265, 1184, 2987, 3216, 3944, 4522
HETEROCYCLIC COMPOUNDS: 1509
HETEROZYGOTE: 390, 2544, 2556, 3138, 3210, 3471, 3564, 4122
HEXACHLOROPHENE: 452, 1273
HEXAMETHONIUM COMPOUNDS: 1023, 1459, 1519, 2070, 2315, 2741, 3242, 3934
HEXEDINE: 35
HEXESTROL: 694
HEXOBARBITAL: 1227
HEXOKINASE: 1678, 3422, 4168, 4726
HEXOSAMINES: 94, 369, 1078, 1838
HEXOSAMINIDASES: 4494
HEXOSEPHOSPHATES: 86-87
HEXOSES: 2034
HEXOSYLTRANSFERASES: 3415-3416
HIBERNATION: 423, 1877, 3274, 3484, 4526
HIGHER NERVOUS ACTIVITY: 521, 4358
HINDLIMB: 738, 937, 2933, 3181, 3424, 3721, 4098, 4668, 4673
HIP: 1408
HIP DISLOCATION, CONGENITAL: 386, 1716, 4765
HIP JOINT: 1429, 1716, 3478
HIPPOCAMPUS: 223, 368, 491, 493, 562, 879, 1231, 1482, 1550, 2024, 2204, 2226, 2327-2328, 2410, 2533, 2550, 2915, 3030, 3155, 3173, 4076, 4273, 4337-4338, 4664, 4674
HIPPURATES: 4605
HIRSUTISM: 826, 894-895, 1247, 1286, 1827, 2093, 2371, 2515, 2818, 2923, 3057, 3170, 3487, 3677, 4398
HIRUDIN: 1445
HISTAMINASE: 143, 242, 4479
HISTAMINE: 65, 77, 114, 143, 257, 289, 299, 337, 368, 582, 587, 671, 837, 839, 852, 944, 1099, 1282, 1321, 1352, 1358, 1391, 1525, 1533, 1546, 1568, 1692, 1753, 1759, 1786, 1791, 1828, 1924, 1982-1983, 1992, 2036, 2258-2259, 2403, 2588, 2591, 2597, 2748, 2906-2908, 3063, 3127, 3158, 3242, 3306, 3443, 3462, 3627, 3653, 3751, 3803, 3807, 3954, 4313, 4561, 4582, 4658
HISTAMINE LIBERATION: 140, 194, 1354, 2036, 2418, 2656, 2774, 3215, 3305, 3462, 3751, 3842, 4599, 4714
HISTIDASE: 1124
HISTIDINE: 143, 1448, 1533, 2444
HISTIOCYTES: 454
HISTOCOMPATIBILITY: 1415, 2158, 3658
HISTOCOMPATIBILITY ANTIGENS: 249, 1730, 3564, 3922, 4221, 4512, 4561
HISTOCOMPATIBILITY TESTING: 249, 678, 1730, 2026
HISTOCYTOCHEMISTRY: 110, 196, 302, 363, 388, 469, 580, 630, 668, 845, 871, 1059, 1220, 1249, 1282, 1321, 1459, 1486, 1595, 1598, 1621, 1702, 1775, 1806, 1937, 1992, 2004, 2027, 2042, 2074, 2107, 2170, 2202, 2427-2429, 2442, 2537, 2587-2588, 2590, 2607, 2657, 2682, 2887, 2958, 2978, 3001, 3158, 3248, 3342, 3402, 3438-3439, 3492, 3624, 3635, 3698, 3765, 3780, 3833, 3869, 3907, 3939, 3942, 3945, 4037, 4046, 4063, 4075, 4147, 4168, 4232, 4258, 4327, 4406, 4421, 4522, 4528, 4585, 4620, 4648, 4723
HISTOLOGICAL TECHNICS: 362, 486, 885, 2364, 2524, 2701, 3103, 3546, 4060
HISTOLOGY, COMPARATIVE: 1194, 1267, 1486, 2578
HISTONES: 764, 843, 2015, 2038, 2106, 2414, 2570, 2608, 3228, 3573, 3969, 4180, 4469, 4631
HISTOPLASMA: 3914
HISTOPLASMOSIS: 3914
HISTORICAL ARTICLE: 74, 89, 313-314, 512, 687, 1122, 1659, 1695, 1722, 1776, 2292, 3026, 3299, 3754, 3769, 3911, 4053, 4290, 4317, 4426, 4495, 4519, 4801
HISTORICAL BIOGRAPHY: 512, 1776, 3299, 3754, 4053, 4317, 4426, 4519
HISTORY OF MEDICINE, ANCIENT: 4317, 4519
HISTORY OF MEDICINE, 17TH CENT.: 1722
HISTORY OF MEDICINE, 18TH CENT.: 1722
HISTORY OF MEDICINE, 19TH CENT.: 512, 687, 1722, 1776
HISTORY OF MEDICINE, 20TH CENT.: 74, 89, 313-314, 687, 1122, 1659, 1695, 1722, 2292, 3026, 3299, 3754, 3769, 3911, 4053, 4290, 4426, 4495, 4801
HODGKIN'S DISEASE: 563, 565, 761, 842, 901, 1106, 1178-1179, 1631, 1870, 2331-2332, 2339, 2699, 2711-2712, 3866, 3920, 4020, 4069, 4111, 4209, 4612, 4762
HOME CARE SERVICES: 768
HOME RANGE: 2910
HOMEOSTASIS: 126, 336, 414, 1088, 1387, 1609, 2320-2321, 2359, 2756, 2806, 3157, 4491, 4744
HOMOLOGOUS WASTING DISEASE: 3887
HOMOSERINE: 2034
HOMOSEXUALITY: 2634, 2917, 3621
HOMOSTEROIDS: 2652
HOMOVANILLIC ACID: 81, 136, 820, 1945, 1960, 2755
HOMOZYGOTE: 390, 3471
HONG KONG: 4525
HOOF AND CLAW: 1075
HORMONES: 96, 264, 289, 487, 508, 614, 1168, 1247, 1341-1342, 1549, 1574, 1611, 1717, 1950-1951, 2021, 2124, 2148, 2221, 2321, 2333, 2345, 2458, 2557, 2643, 2686, 2700, 2740, 2759, 2942, 3032, 3068, 3072, 3096, 3118, 3158, 3238, 3257, 3298, 3586, 3615, 4115, 4354, 4495, 4505, 4557, 4637, 4649, 4678, 4736, 4757, 4760
HORMONES, ECTOPIC: 78, 539, 603, 1148, 1605, 2109, 2451, 3132, 3883, 3917, 4536
HORSE DISEASES: 33, 1728, 2895, 3073, 3314, 3764
HORSES: 33, 668, 968, 1060, 1099, 1604, 1637, 1728, 2363, 2372, 2895, 3073, 3122, 3314, 3764, 3770, 3895, 4354, 4371
HOSPITAL DEPARTMENTS: 271, 803
HOSPITAL EQUIPMENT AND SUPPLIES: 1108
HOSPITAL OUTPATIENT CLINICS: 923, 1864, 2842
HOSPITAL PERSONNEL: 1108
HOSPITALIZATION: 271, 1086, 2402, 2842, 3020, 3782
HOSPITALS: 1108
HOSPITALS, PSYCHIATRIC: 1086, 3020
HOSPITALS, SPECIAL: 38, 2010
HOSPITALS, TEACHING: 4766
HOUSEFLIES: 3387
HOUSING, ANIMAL: 41, 61, 248, 397, 493, 997, 1208, 1218, 1287, 1320, 1633, 1644, 1781, 1909, 1934, 2076, 2407, 2556, 2772, 2910, 3043, 3125, 3194, 3316, 3337, 3366, 3532, 3538, 3940, 4070, 4470, 4474, 4628, 4647
HUMAN: 1-2, 6-7, 9-11, 14, 18, 20-22, 24-25, 28-32, 34-35, 38, 42-48, 53, 55, 58-60, 64-65, 67-68, 70, 72-74, 78-79, 84, 90-91, 95, 98-99, 101-104, 106, 109, 111-114, 117, 120, 122-123, 125-127, 129, 131-132, 136-139, 141, 143, 146, 149, 151-152, 154-156, 161-164, 168-169, 172-173, 175-179, 183, 189, 191-194, 196-197, 200-201, 203, 205-206, 208, 210-211, 216, 220-221, 225-226, 228-229, 231-232, 234-237, 242-243, 246, 249, 252-253, 255, 259-261, 264, 266, 271, 274-276, 278-279, 283, 285-286, 288-291, 293, 295-297, 300-304, 306-309, 317, 319, 323-324, 327-328, 330, 333, 336-337, 339, 343-344, 347-349, 351, 357, 360-361, 364-366, 369, 377-379, 381-383, 386, 389-392, 394-396, 398-401, 403-405, 408-410, 412-413, 417-421, 425-426, 432-433, 435, 437, 440-441, 446-447, 449-450, 453, 455-456, 459, 461, 463-464, 466-467, 471, 476-482, 484-485, 487-488, 494-495, 498-501, 505, 507-508, 510-512, 514-518, 520, 522, 525-529, 534-535, 537, 539, 541, 544-545, 547, 549-554, 558-561, 563, 565-569, 571, 575, 581, 583-585, 588, 590-594, 596-597, 599-600, 603-606, 609, 612-616, 618, 623, 628, 630, 634-636, 638-640, 643, 645, 648-650, 655, 657-661, 664, 666, 669-672, 675, 679, 685-686, 689, 693, 695-699, 701, 703, 706, 708-709, 712-715, 717, 719, 721-723, 728-729, 731, 739-740, 743-748, 750-763, 766, 768, 777-779, 784, 786-787, 789-790, 794, 796-797, 799-800, 802-803, 805, 809, 811, 814-815, 819, 823-827, 829, 831-834, 836, 838-842, 844, 847, 850-851, 855-859, 861-862, 864-865, 867, 869, 874-876, 880-883, 886, 888-889, 893-895, 897, 899-905, 907-908, 911-912, 914, 918, 920-921, 923-925, 928, 930, 932, 934-935, 940-945, 948-951, 953, 955, 957-958, 960, 963-965, 967, 970, 972-973, 975-977, 980-982, 984-985, 987-989, 993-995, 1000-1001, 1005-1006, 1010-1012, 1017, 1019, 1022, 1024, 1028-1033, 1035-1038, 1040-1041, 1044-1045, 1047-1049, 1051, 1056-1057, 1060, 1064-1065, 1067-1069, 1071-1073, 1076-1077, 1080, 1082-1083, 1085-1088, 1090-1092, 1094-1095, 1100 1101-1103, 1105-1113, 1115-1117, 1119-1120, 1122-1123, 1125, 1127-1130, 1134, 1137, 1140, 1144-1146, 1148-1153, 1155, 1157, 1159-1160, 1164-1169, 1176-1183, 1185, 1187-1188, 1190-1193, 1198-1199, 1202-1206, 1210-1216, 1219, 1222-1224, 1226-1229, 1238-1239, 1241-1244, 1246-1247, 1251, 1253-1259, 1261-1264, 1266, 1270-1272, 1274, 1278, 1280-1281, 1283, 1285-1286, 1288-1290, 1292, 1294, 1297-1300, 1302, 1304-1308, 1311-1313, 1315, 1317-1319, 1322-1323, 1326-1332, 1334, 1337-1340, 1351-1354, 1356-1357, 1359-1361, 1363-1367, 1372, 1374, 1377, 1379-1382, 1384, 1386, 1390, 1393, 1395-1397, 1401, 1405-1406, 1408, 1410-1411, 1413-1416, 1418-1425, 1427, 1429, 1435-1436, 1438, 1440, 1443-1444, 1446, 1449-1453, 1456-1457, 1461, 1464, 1468-1470, 1472, 1477-1478, 1480-1481, 1484-1485, 1489-1490, 1494-1495, 1498, 1500-1501, 1504, 1512, 1515-1518, 1520-1521, 1523-1524, 1527-1528, 1531, 1534-1535, 1538, 1540-1544, 1547-1549, 1552-1554, 1558, 1562-1564, 1566, 1573, 1575, 1578-1579, 1582, 1586, 1589, 1591, 1593, 1595-1597, 1599-1600, 1603, 1605-1607, 1609, 1611, 1616, 1618, 1620, 1625, 1627-1628, 1630-1631, 1636, 1638, 1640-1642, 1645, 1649, 1651, 1655, 1658-1661, 1663-1664, 1666-1669, 1677-1678, 1680, 1684, 1687, 1689, 1693, 1698, 1701, 1703-1704, 1706, 1711-1712, 1715-1716, 1719-1722, 1724-1725, 1729-1730, 1732-1733, 1735-1739, 1743-1746, 1751-1752, 1755-1756, 1758-1759, 1765-1766, 1768-1769, 1771-1773, 1776, 1778, 1782-1783, 1792, 1794, 1803, 1806-1808, 1810-1811, 1813-1822, 1824-1827, 1831, 1835-1837, 1840-1841, 1846, 1849-1851, 1860-1866, 1868-1871, 1873, 1875, 1877-1883, 1886-1888, 1891-1892, 1894, 1897, 1899-1906, 1911-1913, 1919-1921, 1923, 1925-1927, 1929, 1931, 1933, 1935-1936, 1938-1941, 1943-1944, 1946, 1951, 1953-1956, 1958, 1963-1965, 1967, 1969-1973, 1975-1976, 1985-1988, 1994-1995, 1997-1998, 2000-2002, 2004, 2007-2008, 2010-2011, 2013, 2017, 2019, 2021-2023, 2026, 2029-2031, 2033, 2036-2037, 2039-2041, 2046-2048, 2051-2052, 2054 2055-2056, 2059-2060, 2067, 2071, 2073, 2078-2082, 2087-2094, 2096-2097, 2099-2102, 2105, 2108-2110, 2112-2122, 2125-2127, 2133, 2136-2138, 2141, 2144-2148, 2155-2157, 2159, 2164-2167, 2169, 2173, 2175-2176, 2181-2184, 2190-2194, 2196-2201, 2205-2206, 2208, 2210-2211, 2215-2216, 2218, 2221-2222, 2224-2225, 2227, 2229-2231, 2233, 2236-2239, 2242-2250, 2254, 2256-2257, 2260, 2263-2264, 2266-2267, 2272-2274, 2277-2279, 2281, 2286-2292, 2294-2297, 2300-2301, 2307, 2309, 2312, 2314-2315, 2317, 2319-2320, 2323-2324, 2329-2335, 2338-2340, 2343, 2345, 2348, 2350, 2353-2356, 2358-2362, 2366-2376, 2378, 2380-2386, 2389, 2391-2392, 2395, 2397-2402, 2405-2406, 2408, 2412, 2416-2418, 2420-2425, 2427-2430, 2434-2436, 2438-2443, 2445-2451, 2455, 2460, 2462, 2464-2465, 2467-2468, 2470-2471, 2475-2476, 2481-2486, 2490-2493, 2498-2503, 2510-2511, 2514-2515, 2520-2521, 2525, 2527, 2535-2538, 2540-2544, 2549, 2552, 2555, 2557, 2560-2562, 2564, 2566-2569, 2571, 2573, 2576-2577, 2582, 2584-2588, 2590, 2594, 2597, 2599-2600, 2602-2604, 2606-2607, 2610-2611, 2616-2617, 2620-2621, 2623-2624, 2627, 2629, 2631-2634, 2637-2640, 2642, 2644-2645, 2648-2650, 2653-2658, 2658, 2660-2662, 2665, 2669, 2671-2673, 2677-2678, 2680-2684, 2687, 2689-2694, 2699-2703, 2707, 2709-2713, 2715-2716, 2721, 2725-2727, 2729-2731, 2737-2738, 2740, 2742, 2747, 2749,

2752-2753, 2755-2759, 2761, 2763, 2766, 2769, 2771, 2774, 2776, 2779-2782, 2785, 2787-2789, 2791, 2793-2796, 2798, 2801-2803, 2807, 2809-2810, 2814, 2817 2822, 2824, 2826-2828, 2830-2831, 2833, 2836-2838, 2840-2842, 2844, 2846-2848, 2851-2855, 2857 2859-2864, 2868, 2871-2874, 2877-2879, 2881-2884, 2887-2891, 2893-2894, 2896-2897, 2900-2901, 2904-2905, 2911-2913, 2917-2918, 2920, 2922-2923, 2927, 2930, 2932, 2935, 2937-2938, 2940, 2942 2944, 2951, 2953-2957, 2961, 2963, 2965, 2969, 2972-2973, 2977, 2979-2982, 2984-2987, 2989, 2993 2995, 2999, 3004-3006, 3008-3011, 3013, 3015-3021, 3024-3025, 3028, 3032, 3035, 3038 3049, 3051-3052, 3054, 3056-3058, 3061-3062, 3064-3066, 3068, 3071-3072, 3074-3077, 3082-3087, 3092, 3097-3100, 3104-3106, 3108, 3110, 3116-3119, 3123-3124, 3128-3130, 3132, 3137, 3143, 3146, 3148-3152, 3157, 3160-3162, 3164-3167, 3170, 3175, 3177, 3182, 3184-3185, 3189-3192, 3196-3200, 3205-3207, 3209-3210, 3212-3215, 3217-3220, 3226-3227, 3231, 3234, 3236-3237, 3243, 3246, 3249, 3251-3258, 3260-3261, 3265, 3270, 3272-3273, 3275, 3277-3280, 3282, 3286-3287, 3289, 3291, 3295-3298, 3301-3302, 3305-3306, 3308-3310, 3320-3322, 3326-3327, 3329-3332, 3334, 3338-3340, 3344-3345, 3347, 3350, 3358-3361, 3363, 3367, 3369, 3371-3374, 3376-3377, 3379-3380, 3383-3386, 3389, 3391, 3393-3395, 3397-3400, 3402, 3405-3407, 3409-3410, 3414-3415, 3420-3421, 3425, 3428-3429, 3431-3432, 3435-3436, 3438-3442, 3444, 3446-3447, 3450-3452, 3454, 3457-3460, 3467-3471, 3473-3476, 3478-3480, 3482-3483, 3487-3489, 3491, 3493, 3495, 3497, 3499, 3502, 3505-3507, 3509, 3511-3512, 3516, 3518, 3521, 3523-3526, 3529, 3533, 3535-3536, 3539-3542, 3544, 3546-3547, 3549-3552, 3555-3558, 3560, 3562-3563, 3567-3570, 3572-3573, 3577-3578, 3580-3582, 3584-3588, 3593-3594, 3597-3598, 3600-3602, 3604, 3607-3609, 3614, 3616, 3618-3619, 3621-3622, 3629-3630, 3633-3634, 3639-3642, 3647-3650, 3652, 3654-3656, 3658-3659, 3664-3671, 3677-3678, 3682-3685, 3690-3691, 3694-3695, 3699, 3701-3703, 3706-3707, 3711-3716, 3719-3720, 3725-3727, 3731, 3733-3739, 3741, 3744-3745, 3748-3750, 3753-3756, 3760-3763, 3768, 3770, 3776-3777, 3779, 3781-3786, 3788-3789, 3793-3795, 3797, 3800-3802, 3804-3806, 3811-3812, 3815, 3820-3821, 3823, 3825-3831, 3833-3837, 3839-3840, 3842, 3844-3846, 3848, 3850-3851, 3853-3855, 3857, 3861, 3864, 3866, 3870, 3879, 3882-3885, 3889-3893, 3896, 3899-3900, 3905-3908 3910, 3912-3918, 3920-3921, 3928-3932, 3941, 3944-3947, 3949-3951, 3953, 3959, 3963-3965, 3968, 3970, 3974-3975, 3981, 3983-3985, 3988-3991, 3994-3995, 4000-4001, 4005-4008, 4010-4017, 4019-4024, 4030 4033, 4035, 4038, 4042-4045, 4047, 4049-4050, 4052-4053, 4055-4057, 4059-4060, 4063, 4065-4066, 4068-4069, 4071-4073, 4077, 4079, 4081, 4084-4085, 4089, 4091-4094, 4100-4101, 4103, 4106-4108, 4110-4112, 4117-4118, 4121-4122, 4125-4126, 4128-4129, 4132-4135, 4138, 4142-4143, 4146, 4148-4153, 4156-4157, 4160-4161, 4163-4164, 4168, 4170-4172, 4174-4176, 4178, 4181-4186, 4188-4193, 4196, 4200-4201, 4203, 4208-4211, 4216, 4220-4221, 4223-4226, 4228-4229, 4231, 4233, 4235-4236, 4238, 4242-4248, 4250, 4252, 4254-4257, 4260-4261, 4263-4264, 4268-4270, 4275, 4277-4281, 4283, 4285, 4288, 4290-4291, 4299, 4302-4308, 4312, 4314, 4316, 4318-4320, 4323-4324, 4329, 4333-4334, 4336, 4340-4344, 4347-4349, 4352-4353, 4356-4357, 4359-4360, 4363-4369, 4372-4375, 4377-4378, 4383, 4385-4389, 4392, 4394-4398, 4401-4402, 4408-4414, 4418, 4421-4423, 4429, 4431, 4436-4439, 4445-4449, 4451, 4464, 4467-4468, 4471, 4473, 4475-4479, 4481, 4483, 4486-4487, 4490, 4493, 4495-4496, 4498, 4501, 4505-4507, 4511, 4513-4516, 4521, 4523-4525, 4528-4536, 4538-4541, 4543, 4547, 4549-4556, 4558-4560, 4562-4564, 4566-4570, 4573-4574, 4576, 4578, 4581-4582, 4584, 4587-4588, 4590-4592, 4595-4598, 4600, 4603-4606, 4608, 4610-4612, 4616-4618, 4623-4624, 4630, 4637, 4641, 4643, 4646, 4649-4652, 4655-4656, 4659-4660, 4662, 4666-4667, 4675-4678, 4680-4681, 4685-4686, 4688, 4690-4691, 4694, 4696, 4700-4702, 4704, 4707, 4711-4712, 4714-4718, 4725, 4730, 4734, 4737, 4740, 4742-4757, 4759-4765, 4767-4792, 4794-4796, 4798-4800, 4802-4804

HUMERUS: 932, 2385, 2437, 2764

HUMIDITY: 1511, 1534, 2122, 4100, 4408

HUNGARY: 2208, 3949, 4278

HUNGER: 384, 1357, 2388, 2661, 4116, 4283, 4474, 4647

HYALINE MEMBRANE DISEASE: 176, 4128

HYALURONIC ACID: 94, 1061, 2153-2154, 3948, 4005, 4589

HYALURONIDASE: 363, 455, 1061, 1259, 1437, 2005, 2170

HYBRID CELLS: 2610

HYBRIDIZATION: 681, 1598, 2556, 2903, 3107, 3216, 4054, 4214, 4561

HYDANTOINS: 522, 3483

HYDATIDIFORM MOLE: 38, 348, 590, 666, 1446, 1826, 1899, 1919, 1994, 2256, 2373, 2391, 3097, 3212, 3385, 3726, 3745, 4092, 4135, 4185, 4334, 4711, 4764

HYDRALAZINE: 85, 577, 2073, 3562, 3570, 4562

HYDRAMNIOS: 4128

HYDRARTHROSIS: 994

HYDRAZINES: 75, 143, 576, 1063, 1178, 2501, 3079, 4040, 4097, 4292

HYDRAZONES: 83, 97, 3029

HYDROCARBONS: 54, 2992

HYDROCARBONS, HALOGENATED: 729, 2326, 3348, 3486

HYDROCELE: 1204, 2183, 3085

HYDROCEPHALUS: 275, 615, 1887, 3094, 3117, 3280, 4134

HYDROCHLORIC ACID: 2513, 2751, 4200

HYDROCHLOROTHIAZIDE: 192, 456, 1254, 2298

HYDROCORTISONE: 2, 21, 82, 115, 132, 139, 202, 245, 247, 304, 307-308, 339, 344, 365, 410, 455, 459, 476, 543, 552, 606, 678, 706, 720, 748, 751, 758, 818, 836, 846, 906, 911, 928, 937, 939, 1017, 1121, 1124, 1168, 1208, 1271, 1295, 1309, 1329, 1331, 1342-1343, 1357, 1369, 1394, 1406-1407, 1443, 1450, 1528, 1537, 1554, 1606, 1641, 1685, 1692, 1735, 1748, 1787, 1889, 1891, 1908, 1927, 1932, 1943, 2002, 2005-2006, 2008, 2023, 2030, 2037, 2063, 2067, 2093, 2114-2115, 2122, 2154, 2168, 2242, 2247, 2251, 2285-2266, 2294, 2362, 2440, 2448, 2450, 2468-2469, 2515, 2535, 2550, 2555, 2561, 2575, 2580, 2595, 2602, 2613-2614, 2711, 2720, 2733, 2747, 2772, 2790, 2836, 2839, 2845-2846, 2925, 2940, 2990-2991, 3064, 3157, 3185, 3196, 3202, 3226, 3236-3237, 3270, 3282, 3296, 3317, 3327, 3336, 3378, 3422, 3424, 3431, 3446, 3453, 3476, 3486, 3493, 3498, 3561, 3608, 3628, 3662, 3677, 3686, 3688, 3720, 3776, 3787-3788, 3790, 3847, 3901, 3908, 3937-3938, 3969-3970, 3987, 3992, 4017, 4079, 4100, 4224, 4226, 4235, 4237, 4242, 4332, 4343, 4347, 4371, 4376, 4388-4389, 4394, 4396, 4407, 4411, 4419, 4468, 4484-4485, 4504, 4510, 4532, 4538-4539, 4542, 4563, 4577-4578, 4583, 4607, 4610-4611, 4616, 4650-4652, 4794

HYDROCORTISONE, TOPICAL: 628, 1161, 1393, 3123, 3429, 4300

HYDROGEN: 3144, 4328, 4430

HYDROGEN-ION CONCENTRATION: 32, 187, 296, 330, 387, 407, 492, 669, 780, 846, 906, 1047, 1104, 1234, 1336, 1355, 1387, 1399, 1437, 1500-1501, 1506, 1627-1628, 1663, 1688, 1701, 1723, 1751, 1777, 1786, 1789, 1917, 1961, 2001, 2025, 2028, 2069, 2170, 2187, 2212, 2273, 2360, 2427-2429, 2481, 2546-2547, 2549, 2649-2650, 2704, 2734, 2756, 2774, 2811, 2867, 2878, 2914, 2988, 3028, 3055, 3089, 3323, 3344-3345, 3355, 3368, 3438, 3462, 3470, 3496, 3620, 3655, 3743, 3765, 3819, 3858, 3951, 3998, 4103, 4200, 4224, 4263, 4282, 4289, 4368, 4381, 4440, 4458, 4477, 4520, 4555, 4584, 4633, 4644, 4654, 4669

HYDROGEN PEROXIDE: 816, 1621, 2532, 4604, 4654, 4715

HYDROGENATION: 1347, 1477, 4309

HYDROLASES: 1437, 1623, 1800, 1925, 2086

HYDROLYSIS: 130, 279, 460, 801, 1175, 1269, 1313, 1445, 1455, 1802, 1711, 1767, 1900, 2135, 2276, 2750, 3388, 3637, 3743, 3759, 3796, 3897, 4380, 4584, 4644, 4706

HYDRONEPHROSIS: 295, 2183

HYDROQUINONES: 4602

HYDROXIDES: 657, 1281

HYDROXOCOBALAMIN: 2083

HYDROXYAPATITE: 1047, 1129, 1530, 2238, 3344

HYDROXYBUTYRATES: 300, 1585

HYDROXYCHLOROQUINE: 229, 4528

HYDROXYCHOLECALCIFEROL: 467, 644, 749, 892, 989, 1118, 1277, 1636, 1650, 1683, 2321-2322, 2516, 3111-3112, 3229, 3806, 3964, 4042, 4197, 4297-4298

11-HYDROXYCORTICOSTEROIDS: 36, 106, 1094, 1401, 1943, 2247, 2279, 2818, 2873, 3599, 3741, 3960, 4347, 4510

17-HYDROXYCORTICOSTEROIDS: 2, 99, 256, 262, 304, 552, 581, 650, 685, 691, 1101, 1211, 1346-1347, 1405, 1534, 1611, 1638, 1652, 1715, 1735, 1826, 1943, 1973, 2048, 2108, 2250, 2411, 2443, 2653, 2694, 2791, 2794, 2818, 2847-2848, 2857, 3005, 3060, 3157, 3184, 3313, 3512, 3746, 3759, 3878, 3945, 3960, 4178, 4487, 4505, 4650, 4658

HYDROXYCORTICOSTEROIDS: 268, 346, 1464, 1967, 3483

HYDROXYDIONE: 4387

HYDROXYDOPAMINE: 40, 47, 128, 372, 598, 735, 741, 940, 1142-1143, 1621, 1662, 1707, 1775, 1937, 2529, 2959-2960, 3492, 3624, 3757

HYDROXYINDOLEACETIC ACID: 41, 81, 110, 136, 188, 299, 425, 576, 772, 820, 866, 869, 975, 1014, 1084, 1460, 1478, 1555, 1592, 1662, 1735, 1915, 1960, 2068, 2350, 2623, 2766, 3041, 3772, 4102, 4595, 4796

HYDROXYLAMINES: 143, 1665, 3575

HYDROXYLASES: 239, 294, 297, 460, 819, 1260, 1277, 1294, 1554, 1622, 1955, 2002, 2087, 2317, 2474, 2547, 2847-2848, 2964, 2992, 3041, 3246, 3832, 3964, 4008, 4297, 4733

HYDROXYLATION: 36, 167, 193, 212, 294, 577, 618, 729, 942, 1507, 1622, 1671, 1741-1742, 1955, 2276, 2455, 2847-2848, 3246, 3415, 3543, 3810, 4760

HYDROXYLYSINE: 212, 4096

HYDROXYMERCURIBENZOATES: 2797

HYDROXYPREGNENOLONE: 36, 262, 4415

HYDROXYPROGESTERONE: 36, 262-263, 268, 350, 631, 720, 746, 752-753, 755, 765, 1284, 2152, 2184, 2477, 2515, 2653, 2964, 3034, 3220, 3236, 3378, 3717, 3849, 3988, 4240, 4321, 4415, 4510, 4570-4571

HYDROXYPROLINE: 359, 369, 560, 680, 1439, 1468, 1530, 1838, 2437, 2708, 2737, 2901, 3957, 4103

HYDROXYSTEROID DEHYDROGENASE: 20, 121, 263, 355, 362, 648, 1170, 1405, 1951, 2127, 2732, 2887, 2964, 3018, 3034, 3405, 3635, 3952, 4139, 4258, 4411

HYDROXYSTEROIDS: 120-121, 193, 263, 294, 320, 325, 474, 583, 815, 908, 1067, 1325, 1336, 1532, 1583, 1696, 1852, 2009, 2455, 2490, 2581, 2651, 2834, 2976, 3073, 3470, 3592, 3862, 3828, 4120, 4173-4174, 4176-4177, 4341, 4763

HYDROXYTRYPTOPHAN: 107, 110, 425, 576, 683, 732, 866, 915, 1335, 1398, 1513, 2027, 2261, 2350, 2533, 2561, 2766, 2843, 3041, 4527, 4685

HYDROXYUREA: 3886, 4703

HYDROXYZINE: 3925

HYMENOLEPIASIS: 3154

HYPERALDOSTERONISM: 259, 266, 456, 756-757, 940-941, 1087, 1169, 1199, 1253-1254, 1256, 1322-1323, 1464, 1605, 1645, 1866, 2033, 2037, 2129, 2201, 2233, 2536, 2610, 3057, 3062, 3084, 3410, 4181

HYPERBILIRUBINEMIA: 4073, 4278

HYPERBILIRUBINEMIA, HEREDITARY: 4164, 4278

HYPERCALCEMIA: 56, 67, 69, 168, 255, 447, 859, 904, 1036, 1072, 1244, 1294, 1363, 1396, 1605, 1821, 2340, 2348, 2417, 2660, 2665, 2753, 2756, 2914, 3013, 3261, 3489, 3602, 3619, 3795, 3840, 3916, 4205, 4587, 4608, 4790

HYPERCAPNIA: 3196, 4576

HYPERCHOLESTEREMIA: 1203, 1319, 1547, 2502, 3391, 3579, 3789, 3820, 4271

HYPERESTHESIA: 4579

HYPERGLYCEMIA: 144, 1033, 1513, 2126, 2464, 3190, 3289, 3999, 4793

HYPERINSULINISM: 759, 2661, 3839

HYPERKALEMIA: 365, 768, 1207, 1334, 3339, 3794, 4608

HYPERKINESIS: 558, 715

HYPERLIPEMIA: 400, 584, 862, 1037, 1180, 1456, 1958, 2163, 2260, 2502, 2543, 2627, 2757, 3204, 3789, 4428

HYPERLIPEMIA, ESSENTIAL FAMILIAL: 2787, 2840

HYPERNATREMIA: 1412

HYPEROPIA: 4324

HYPERPARATHYROIDISM: 95, 324, 501, 520, 522, 585, 671, 686, 758, 912, 934, 1251, 1302, 1387, 1605, 1821, 1824, 1886, 1929, 1995, 2046, 2375, 2380, 2422, 2425, 2531, 2642, 2649, 2729, 2810,

3095, 3261, 3330, 3518, 3748-3749, 3795, 3892, 3921, 4129, 4148, 4270, 4618
HYPERPARATHYROIDISM, SECONDARY: 788, 859, 904, 1251, 2231, 2425, 2709, 3921, 4051, 4587
HYPERPLASIA: 286, 333, 637, 841, 894, 1669, 2008, 2087, 2233, 2375, 2684, 2897, 3188, 3330, 3410, 3540, 4181, 4572, 4662
HYPERSENSITIVITY: 54, 1030, 1940, 2289, 2629, 3447, 3842, 4226, 4280, 4514
HYPERSENSITIVITY, DELAYED: 194, 317, 676, 830, 1440, 1655, 2418, 2777, 2868, 3325, 4336, 4362, 4542
HYPERSENSITIVITY, IMMEDIATE: 65, 830, 2418, 2918
HYPERTENSION: 30, 192, 210, 266, 345-346, 382, 514-515, 581, 739, 756, 768, 840, 882, 886, 940-941, 1144, 1169, 1180, 1187, 1199, 1238, 1253, 1255, 1290, 1323, 1457, 1504, 1553, 1720, 1746, 1866, 1954, 1958, 2023, 2033, 2073, 2087, 2145, 2163, 2201, 2317, 2351, 2359, 2371, 2378, 2391, 2482, 2500, 2536, 2640, 2670, 2677, 2679-2680, 2683, 2692-2693, 2728, 2836, 2902, 2905, 2916, 3056, 3093, 3190, 3263, 3272, 3275, 3283, 3321, 3389, 3391, 3489, 3493, 3542, 3630, 3636, 3830, 3934, 4126, 4152, 4219, 4223, 4364-4365, 4386, 4479, 4562, 4613, 4676, 4700, 4744
HYPERTENSION, MALIGNANT: 514, 3568
HYPERTENSION, PORTAL: 728
HYPERTENSION, PULMONARY: 3824
HYPERTENSION, RENAL: 108, 514, 597, 930, 1034, 1631, 2358, 2641, 2673-2674, 2831, 3340, 3562, 3568, 3570, 3658, 4089, 4219
HYPERTHYROIDISM: 31, 44, 109, 152, 211, 243, 261, 271, 274, 306, 321, 379, 401, 461, 480, 495, 503, 528, 535, 635, 685, 709, 838, 851, 993, 1011, 1041, 1065, 1092, 1127, 1132, 1137, 1255, 1257, 1283, 1326-1328, 1360, 1365, 1382, 1413, 1419, 1453, 1457, 1518, 1523, 1542-1543, 1562, 1564, 1653-1654, 1667, 1686, 1698, 1720, 1765, 1814, 1821, 1860, 1865, 1944, 1972, 1976, 1993, 2040, 2103, 2117, 2169, 2197, 2206, 2280, 2324, 2447, 2483, 2596, 2604, 2669, 2702, 2726-2727, 2788, 2864, 2927, 3004, 3015, 3017, 3044, 3190, 3206, 3279, 3288, 3338, 3372, 3457, 3516, 3548-3550, 3572, 3582, 3597, 3631, 3648, 3713, 3761, 3820, 3879, 3918, 3930-3931, 3989, 4085, 4106, 4117, 4188, 4202, 4220, 4229, 4252, 4255, 4261, 4277, 4360, 4437, 4446, 4643, 4651, 4666-4667, 4685-4686, 4776, 4783, 4788
HYPERTONIC SOLUTIONS: 511, 750, 1017, 1612, 2800, 2835, 3462, 4318
HYPERTRICHOSIS: 2923
HYPERTROPHY: 677, 736, 806, 1388, 1639, 1669, 1834, 2012, 2233, 2629, 2952, 3410, 4048, 4083, 4157, 4181
HYPERVENTILATION: 980, 1520, 2468, 2982
HYPNOTICS AND SEDATIVES: 995, 1051, 1592, 3446
HYPOCALCEMIA: 69, 189, 358-359, 560, 781, 980, 1523, 1609, 1705, 1929, 2231, 2526, 2725, 3111-3112, 4051
HYPOCHONDRIASIS: 106
HYPOGLYCEMIA: 2, 106, 374, 476, 552, 893, 1012, 1101, 1331, 1528, 1686, 2464, 2529, 2919, 3004, 3394, 3450, 3540, 3601, 4073
HYPOGONADISM: 58, 466, 634, 880, 894, 1082, 1211, 1216, 1246, 1359, 1365, 1498, 1827, 2059, 2114, 2182, 2515, 3200, 3677, 3684, 3777, 4047, 4353, 4383, 4385, 4398, 4556
HYPOKALEMIA: 266, 1087, 1334, 2233, 2665, 2725, 2894, 3410, 3493, 3511, 4181
HYPONATREMIA: 365, 747, 1207, 1605, 1676, 2109, 2340, 2665, 2890, 3542, 3984, 4608
HYPOPARATHYROIDISM: 149-150, 396, 1251, 1523, 1564, 1810, 1965, 2354, 3921, 4103, 4270, 4410
HYPOPHOSPHATASIA: 3602
HYPOPHOSPHATEMIA, FAMILIAL: 467, 1377, 2248, 3806
HYPOPHYSECTOMY: 57, 170, 326, 342, 677, 818, 887, 1009, 1124, 1141, 1239, 1368, 1370, 1389, 1581, 1706, 1718, 1790, 1941, 1948, 1991-1992, 2021, 2135, 2195, 2234, 2252, 2305, 2343, 2416, 2507, 2520, 2670, 2698, 2754, 2792, 2865, 2869, 2921, 2975, 3209, 3218, 3488, 3498, 3554, 3590, 3606, 3629, 3687, 3692, 3695, 3948, 3992, 4014, 4165, 4179, 4264, 4343, 4348, 4376, 4407, 4460-4461, 4500, 4505, 4670, 4738, 4755
HYPOPITUITARISM: 132, 418, 552, 634-635, 893, 1071, 1365, 1986, 2326, 2343, 2561, 2653, 2844, 2896, 3149, 3214, 3435, 3525, 3640, 3737, 3762, 3990, 4171, 4389, 4478, 4539, 4556, 4559, 4685
HYPOPROTEINEMIA: 449
HYPOPROTHROMBINEMIAS: 449, 4138
HYPOSPADIAS: 639, 914, 1085, 1292, 2127
HYPOTENSION: 55, 204, 747, 1051, 1099, 1457, 2030, 2359, 3017
HYPOTENSION, ORTHOSTATIC: 2380, 3511
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 99, 103, 319, 422, 469, 568, 634, 1081-1082, 1216, 1280, 1364, 1570, 1612, 1652, 1710, 1717, 1905, 1992, 2262, 2297, 2561, 2792, 2832, 2873, 2975, 3004-3005, 3022, 3150, 3152, 3359-3361, 3480, 3641, 3665, 3710, 3756, 3767, 3822, 3952, 3958, 4232, 4637
HYPOTHALAMUS: 3, 7-8, 40, 80, 116, 167, 184, 217-218, 223, 238-239, 248, 250, 267, 331, 368, 384, 397, 405, 422-424, 438, 493, 506, 538, 562, 572-574, 580, 607, 696, 700, 738, 741, 759, 785, 798, 820, 835, 878, 896, 946, 977, 998, 1002, 1039, 1055, 1058, 1071, 1093, 1101, 1107, 1123, 1142-1143, 1152, 1198, 1218, 1231, 1310, 1314, 1394, 1417, 1434, 1473, 1492, 1497, 1522, 1541, 1544, 1550, 1559, 1570, 1572, 1612-1613, 1644, 1647, 1662, 1694, 1718, 1741-1742, 1768, 1798, 1823, 1840, 1843, 1856, 1877, 1900, 1937, 1980, 2032, 2076, 2102, 2113, 2120, 2131, 2168, 2219, 2226, 2316, 2328, 2365, 2368, 2390, 2410, 2436, 2452, 2459, 2464-2465, 2473, 2528, 2550, 2661, 2706, 2758, 2762, 2799, 2829, 2866, 2915, 2917, 2919, 2953, 2959-2960, 3005, 3047, 3101-3102, 3110, 3114, 3129, 3131, 3155, 3178, 3186-3187, 3214, 3285, 3288-3289, 3309, 3319, 3341-3342, 3349, 3361, 3401, 3428, 3461, 3463, 3504, 3517, 3542, 3580, 3624, 3628, 3640, 3671, 3677, 3704, 3710, 3716, 3757, 3770, 3778, 3791, 3878, 3898, 3940, 3942, 3973, 4014, 4026, 4070, 4076, 4098, 4116, 4124, 4145, 4171, 4179, 4243, 4273, 4291, 4310, 4314-4315, 4337-4338, 4343, 4358, 4390, 4434-4435, 4443, 4461, 4463, 4474, 4491-4492, 4539, 4628, 4633, 4642, 4647, 4658, 4664-4665, 4674, 4735, 4747, 4777
HYPOTHERMIA: 747, 1848, 3343, 4777
HYPOTHERMIA, INDUCED: 1489, 2774, 4142, 4404, 4804
HYPOTHYROIDISM: 31, 102, 152, 210, 243, 412, 461, 480, 528, 535, 635, 638, 722, 800, 880, 985, 1011, 1019, 1040-1041, 1085, 1091-1092, 1202, 1255, 1302, 1326, 1453, 1472, 1493, 1542-1543, 1547, 1564, 1687, 1698, 1733, 1814, 1822, 1835, 1837, 1853, 1906, 1944, 1958, 1969, 1976, 2189, 2239, 2246, 2280, 2324, 2354, 2393-2394, 2470, 2483, 2599, 2762, 2828, 2999, 3004, 3162, 3214, 3279-3280, 3295, 3309, 3475, 3541, 3564, 3582, 3597, 3618, 3640-3642, 3664, 3820, 3869, 3918, 3989-3990, 4118, 4136, 4202, 4252, 4261, 4308, 4413, 4569, 4576, 4588, 4685-4686, 4753, 4776, 4783, 4789
HYPOTONIC SOLUTIONS: 511, 3462
HYPOVENTILATION: 747, 4576
HYPOXANTHINES: 1015, 3951
HYPSARRHYTHMIA: 1887
HYSTERECTOMY: 639, 758, 959, 1110, 1708, 1826, 1899, 2305, 2540, 2899, 3745, 3797, 4249, 4570
HYSTERIA: 106
HYSTEROSALPINGOGRAPHY: 224, 1933, 2884, 3815, 4208

I

IATROGENIC DISEASE: 453, 597, 1415, 1523, 3596
IDENTITY CRISIS: 2101
IDOXURIDINE: 2419, 3226
IGA: 132, 232, 478, 494, 544-545, 1259, 1689, 3054, 4610, 4675, 4746
IGE: 1354, 2418, 2722, 3306, 4336, 4591
IGG: 32, 232, 478, 544-545, 586-587, 789, 915, 1024, 1266, 1669, 1689, 2057, 2396, 2591, 2666, 3451, 3616, 3686, 3727, 4132, 4193, 4610, 4706, 4742
IGM: 132, 232, 246, 478, 544-545, 915, 1024, 2396, 4610, 4742, 4746
ILEOSTOMY: 4774
ILEUM: 237, 434, 623, 627, 839, 1268, 1391, 1449, 1775, 1795, 1924, 1983, 2027, 2357, 2652, 2741, 3000, 3201, 3305, 3565, 3860, 4465, 4695, 4797
ILIUM: 541, 904, 1755, 1892, 2330, 2864
ILLEGITIMACY: 923
IMAGE ENHANCEMENT: 2782
IMIDAZOLES: 35, 1915, 2236, 2258, 2476, 2651, 2906, 3617, 3803, 3865, 4104, 4313, 4593, 4729
IMINES: 3503, 3636
IMIPRAMINE: 538, 866, 1412, 2966, 3662, 4273, 4305
IMMERSION: 4619
IMMOBILIZATION: 397, 920, 2251, 2529, 2708, 2772, 4088, 4467, 4664, 4804
IMMUNE ADHERENCE REACTION: 82, 915, 3510, 4344, 4675
IMMUNE COMPLEX DISEASE: 876
IMMUNE SERUMS: 101, 115, 126, 218, 258, 354, 478, 612, 712, 740, 749, 859, 948-949, 965, 976, 992, 999, 1001, 1034, 1060, 1092, 1099, 1241, 1259, 1298, 1376, 1384-1385, 1496, 1593, 1709, 1775, 1791, 1807, 1815, 1890, 1938, 1954, 2014, 2044, 2274, 2397, 2515, 2565, 2598, 2667, 2761, 2877-2878, 2928, 3126, 3198, 3304, 3321, 3404, 3428, 3451, 3649, 3666, 3692, 3694, 3739, 3904, 3921, 4277, 4279, 4296, 4326, 4351, 4362, 4374, 4403, 4432, 4544, 4551, 4620, 4649, 4692, 4696, 4699, 4743-4744
IMMUNE TOLERANCE: 153, 600, 934, 3922
IMMUNITY: 830, 934, 1655, 1808, 1922
IMMUNITY, ACTIVE: 153, 4746
IMMUNITY, CELLULAR: 132, 454, 544, 563, 600, 934, 1440, 2016, 2044, 2418, 2927, 3325, 3712, 3715, 3829, 4746, 4794
IMMUNITY, PASSIVE: 3305
IMMUNIZATION: 587, 678, 915, 1887, 2396, 2688, 3009, 4130, 4346, 4433, 4451
IMMUNIZATION SCHEDULE: 2474
IMMUNIZATION, SECONDARY: 915, 2397
IMMUNOASSAY: 12, 169, 329, 437, 4421
IMMUNOCHEMISTRY: 1609, 4063
IMMUNOELECTROPHORESIS: 32, 154, 329, 437, 612, 751, 857, 1259, 1444, 1577, 1807, 2667, 2761, 2877, 3054, 3096, 3126, 3407, 3451, 3739, 4279, 4544
IMMUNOGENETICS: 78
IMMUNOGLOBULIN FRAGMENTS: 3054
IMMUNOGLOBULINS: 194, 232, 545, 839, 1397, 1415, 1548, 2008, 2046, 2900, 4193, 4561, 4721, 4746
IMMUNOGLOBULINS, FAB: 586-587
IMMUNOGLOBULINS, FC: 4561
IMMUNOLOGIC DEFICIENCY SYNDROMES: 211, 235, 246, 437, 1332, 1415, 3887, 4164, 4675, 4746
IMMUNOLOGIC MEMORY: 915
IMMUNOLOGIC TECHNICS: 642, 1938
IMMUNOSUPPRESSION: 101, 249, 291, 309, 600, 642, 714, 830, 945, 1145, 1435, 1476, 2044, 2534, 2555, 3009, 3858, 4059
IMMUNOSUPPRESSIVE AGENTS: 115, 162, 232, 349, 641, 701, 744, 851, 945, 1033, 1334, 1342, 1655, 1970, 2527, 2809, 2881, 2925, 3213, 3374, 3454, 3469, 4108, 4331, 4473, 4521, 4601, 4730
IMMUNOTHERAPY: 2689
IMPOTENCE: 3684, 4398
IN VITRO: 37, 42, 49-52, 85, 88, 114, 140, 158, 167, 193, 207, 209, 233, 262-264, 273, 284, 302, 305, 352, 367, 427-428, 432, 434, 438, 460, 486, 531-532, 543, 546, 575, 577, 582, 592, 595, 602, 626-627, 645-646, 673, 694, 769, 801, 810, 812, 821, 823, 837, 852, 871, 875, 890, 916, 926-927, 936, 961-962, 974, 991, 1023, 1025, 1067, 1081, 1158, 1167-1168, 1171, 1173, 1205, 1209, 1227, 1232, 1268, 1282, 1284, 1288, 1298, 1307, 1309, 1315, 1324, 1346, 1362, 1370, 1388, 1391, 1417, 1421, 1449, 1471, 1473-1474, 1491, 1513, 1519, 1526, 1545-1546, 1551, 1555, 1557, 1576, 1621, 1671, 1681, 1727, 1731, 1741-1742, 1747, 1759, 1775, 1786, 1795, 1800-1801, 1845, 1848, 1852, 1874, 1882, 1893, 1914, 1924, 1928, 1950, 1960, 1982-1983, 2006, 2009, 2015, 2036, 2044, 2051, 2057, 2123, 2128, 2143, 2175, 2212, 2219, 2252, 2258, 2269, 2274, 2285, 2306, 2321, 2346, 2357, 2370, 2403, 2431, 2442, 2450, 2453-2454, 2466, 2481, 2497, 2508, 2546, 2550-2552, 2557, 2635-2636, 2652, 2668, 2672, 2679, 2685, 2694, 2697, 2705, 2741-2742, 2748, 2750, 2760, 2783, 2807, 2876, 2906-2908, 2916, 2932, 2970, 3015, 3034, 3060-3061, 3070, 3120, 3127-3128, 3134, 3144, 3168, 3178, 3197, 3201, 3219, 3224-3225, 3232, 3240, 3246, 3292, 3306, 3318, 3341, 3403, 3405, 3427, 3434, 3437, 3440, 3443, 3449, 3455, 3531, 3554, 3565, 3603, 3661, 3681, 3687, 3708, 3717, 3757, 3771, 3773, 3813, 3824-3825, 3888, 3923, 3927, 3936, 3954, 3961, 3966-3967, 3980, 3986, 4041, 4078-4079, 4086, 4100, 4105, 4113-4114, 4119, 4136, 4141, 4213, 4215, 4251, 4263, 4285, 4287, 4305, 4313, 4335, 4355, 4382, 4408, 4420, 4424, 4427,

4456-4457, 4465-4466, 4484, 4495, 4497, 4510, 4528, 4537, 4544, 4557, 4575, 4577, 4604, 4629, 4631, 4661, 4713, 4773
INBREEDING: 1217
INCISOR: 2062, 3946
INCLUSION BODIES, VIRAL: 714, 3213
INCOME: 844
INCUBATORS: 1108, 4037
INDAZOLES: 1838
INDIA: 900, 1188, 1703, 2824, 3409, 3632-3633, 4356-4357
INDIANS, NORTH AMERICAN: 4357
INDICAN: 2553
INDICATORS AND REAGENTS: 657, 884, 1448, 2028, 2364, 2515, 3027, 3976, 4659
INDIUM: 518, 601, 1734, 2589
INDOLEACETIC ACID: 110, 131, 1555, 4032, 4633
INDOLES: 131, 190, 380, 651, 866, 1492, 1699, 1727, 2553, 3131, 3771, 4335, 4633
INDOMETHACIN: 114, 156, 162, 289, 434, 530, 633, 731, 1104, 1138, 1293, 1348-1349, 1503, 1568, 1657, 1838-1839, 1970, 2147, 2466, 2591-2592, 2646, 2813, 3010, 3127, 3306, 3424, 3437, 4086, 4205, 4217, 4288, 4294-4295, 4379, 4575, 4743-4744
INDOPHENOL: 2750
INDUSTRIAL MEDICINE: 721
INDUSTRY: 4438
INFANT: 1, 104, 129, 146, 152, 154, 161, 275, 323, 480, 525, 539, 571, 594, 635, 661, 893, 921, 960, 967, 1140, 1160, 1204, 1219, 1238, 1308, 1361, 1381, 1397, 1414, 1489, 1515, 1558, 1631, 1638, 1677, 1716, 1820, 1846, 1871, 1880, 1904, 1935, 1975, 1995, 2087, 2193, 2216, 2222, 2243, 2286, 2290, 2314, 2319, 2423, 2448, 2460, 2689, 2721, 2756, 2763, 2824, 2922, 2980, 2994-2995, 3008, 3085, 3124, 3253, 3260, 3296-3297, 3409, 3441, 3467, 3489, 3502, 3546, 3556, 3604, 3614, 3618, 3658, 3659, 3714, 3725, 3763, 3805, 3821, 3850, 3910, 3995, 4017, 4035, 4073, 4164, 4250, 4333, 4355, 4486, 4501, 4559, 4569, 4581, 4606, 4675, 4701, 4716, 4737, 4794, 4796
INFANT MORTALITY: 2191, 3212, 3760, 4467
INFANT, NEWBORN: 25, 123, 152, 176, 252, 275, 301, 328, 480, 529, 547, 590-591, 594, 635, 729, 786, 790, 902, 914, 924, 967, 1029, 1108, 1130, 1140, 1152-1153, 1176, 1187-1188, 1219, 1238, 1243, 1308, 1372, 1443, 1543, 1606, 1631, 1722, 1725, 1730, 1772-1773, 1875, 1880, 1935, 2039, 2087, 2166, 2191-2192, 2222, 2243, 2289, 2314, 2319, 2345, 2500, 2514, 2571, 2650, 2661, 2681, 2689, 2756, 2763, 2820, 2824, 2859, 2884, 2969, 2989, 2994, 3008, 3068, 3212, 3258, 3265, 3275, 3321, 3347, 3450, 3457, 3483, 3488, 3507, 3539-3540, 3546, 3614, 3656, 3690, 3714, 3760, 3763, 3850, 3910, 3995, 4045, 4073, 4128, 4134, 4142, 4164, 4244, 4248, 4278, 4288, 4340, 4367, 4377, 4411, 4447, 4467, 4498, 4554, 4578, 4581, 4606, 4711, 4748, 4765, 4798
INFANT, NEWBORN, DISEASES: 123, 252, 328, 893, 1188, 1730, 1935, 2183, 3614, 4248, 4746, 4748
INFANT NUTRITION: 1666, 4794, 4798
INFANT, PREMATURE: 3212, 3690, 4142, 4498, 4798
INFANT, PREMATURE, DISEASES: 4142, 4278
INFANTILISM: 2, 1704
INFARCTION: 924, 1300, 1750, 2902, 4089
INFECTION: 210, 739, 1033, 2291, 2863, 4069, 4396, 4477, 4771
INFECTIOUS MONONUCLEOSIS: 588
INFERIOR COLLICULUS: 491
INFLAMMATION: 194, 937, 1293, 1838-1839, 1864, 1901, 2146, 2789, 2852, 3653, 3741, 4005, 4379, 4400, 4579
INFLUENZA: 658
INFLUENZA VACCINE: 1030
INFLUENZA VIRUSES: 3029
INFORMED CONSENT: 3254
INFRARED RAYS: 1616
INFUSIONS, PARENTERAL: 410, 511, 544, 728, 757, 1084, 1559, 2323, 2561, 3395, 3795, 3916, 4761
INGUINAL CANAL: 4248
INGUINAL HERNIA: 1204, 1649, 1697, 2183, 3085, 3254
INHALATION THERAPY: 2242, 2315, 3702, 3975
INHIBITION (PSYCHOLOGY): 572, 2910, 3626, 4463
INHIBITION, NEURAL: 77, 491, 879, 2188, 2533, 2996, 4218
INJECTIONS: 115, 167, 384, 464, 469, 750, 805, 809, 909, 1064, 1231, 1496, 1570, 1646, 1881, 1884, 2204, 2284, 2351, 2441, 2786, 2835, 2884, 2960, 2974, 3155, 3195, 3264, 3505, 3650, 3837, 4026-4027, 4405, 4517, 4579, 4633
INJECTIONS, INTRA-ARTERIAL: 5, 66, 270, 334, 611, 620, 1126, 1612, 2489, 3395, 3978
INJECTIONS, INTRA-ARTICULAR: 3296, 3750
INJECTIONS, INTRADERMAL: 6, 1125, 2868, 2918, 2980, 4044, 4217, 4433, 4611
INJECTIONS, INTRAMUSCULAR: 70, 115, 150, 174, 204, 536, 737, 762, 807-808, 950, 1072, 1193, 1350, 1402, 1494, 1585, 1936, 1939, 1947, 2240, 2426, 2477, 2558, 2566, 2615, 2627, 2659, 2688, 2965, 2989, 3112, 3184, 3486, 3572, 3729-3730, 3913, 4058, 4088, 4167, 4200, 4234, 4258, 4275, 4559, 4701
INJECTIONS, INTRAPERITONEAL: 469, 737, 999, 1063, 1537, 1614, 1858, 1889, 2005, 2027, 2255, 2261, 2579, 2620, 2695, 2724, 2777, 2790, 2960, 3126, 3155, 3184, 3263-3264, 3464, 3862, 4167, 4243, 4294-4295, 4416, 4542, 4670, 4729
INJECTIONS, INTRATHECAL: 148, 1963, 2326, 3778, 3791, 3809
INJECTIONS, INTRAVENOUS: 5, 13, 45, 101, 108, 115, 118, 150, 242, 249, 369, 476, 498, 511, 546, 588-589, 581, 737, 804-805, 817, 858, 864, 950, 988, 1022, 1064, 1126, 1182, 1195, 1236, 1377, 1494, 1699, 1748, 1836, 1907, 2001, 2204, 2240, 2281, 2294, 2297, 2441, 2489, 2568, 2604, 2621, 2688, 2786, 2808, 2875, 2954, 3111, 3136, 3184, 3195, 3233, 3571-3572, 3772, 3819, 3916, 3989-3990, 4015, 4017, 4026, 4029, 4088, 4108, 4161, 4167, 4191, 4275, 4323, 4334, 4380, 4461, 4531-4533, 4563, 4658, 4660, 4686, 4702, 4708, 4717, 4770
INJECTIONS, SUBCUTANEOUS: 119, 174, 204, 483, 513, 631, 804, 968, 1054, 1063, 1152, 1157, 1402, 1614, 1690, 1842, 1858, 2253, 2255, 2282-2283, 2379, 2407, 2413, 2463, 2505, 2696, 2839, 2985, 3110, 3112, 3223, 3390, 3422, 3623, 3852, 3952, 4028-4029, 4137, 4167, 4243, 4294, 4542
INOSINE: 1015, 1362
INOSINE NUCLEOTIDES: 179, 273, 531, 1131, 1587, 2178, 2495, 2544, 2967, 3897
INOSITOL: 213, 303, 871
INSECT BITES AND STINGS: 3237, 3842, 4226
INSECT VECTORS: 4728
INSECTICIDES: 729
INSECTICIDES, ORGANOCHLORINE: 3637, 4109
INSECTIVORA: 1057
INSECTS: 411, 2551, 2570, 2948, 3519, 3833, 4301, 4522, 4540, 4620, 4669
INSEMINATION: 473, 2892, 4060
INSEMINATION, ARTIFICIAL: 436, 523, 1230, 1351, 1511, 2685, 3413, 4028, 4060
INSULIN: 45, 142, 144, 160, 184, 292, 328, 336-337, 339, 455, 476, 537, 552, 567-568, 584, 653, 759, 789, 811-812, 818, 836, 863, 907, 936, 1012, 1015, 1096, 1101-1102, 1168, 1232-1233, 1265, 1330-1331, 1342-1343, 1345, 1361, 1388, 1392, 1418, 1471, 1526, 1528, 1549, 1574, 1606, 1618, 1643, 1762, 1855, 1908, 1914, 2088, 2123-2124, 2176, 2186, 2246, 2281, 2288, 2318, 2336, 2350, 2443, 2464, 2480, 2494-2495, 2497, 2529, 2543, 2584, 2608, 2635, 2663, 2681, 2757-2759, 2814, 2858, 2873, 2901, 2919, 2939, 2956, 3032, 3072, 3157, 3162, 3200-3201, 3255, 3282, 3339, 3343, 3345, 3357, 3422, 3431, 3435, 3503, 3540, 3583, 3724, 3732, 3776, 3779, 3839, 3899, 3904, 3937, 3966, 4021, 4048, 4115, 4161, 4331, 4348, 4354, 4491, 4503, 4557, 4561, 4685, 4793
INSULIN ANTIBODIES: 789, 1418, 2336, 4649
INSULIN RESISTANCE: 907, 1361, 1392, 3999
INTELLIGENCE: 559, 3020, 4352
INTELLIGENCE TESTS: 386, 558, 2449, 3020
INTENSIVE CARE UNITS: 1108, 1935
INTERCELLULAR JUNCTIONS: 2931, 3742
INTERFERON: 1927, 3785
INTERFERON INDUCERS: 454, 4705
INTERNEURONS: 879
INTERNSHIP AND RESIDENCY: 4766
INTERVERTEBRAL DISK: 1395, 2460, 2656
INTERVERTEBRAL DISK DISPLACEMENT: 2656, 3458
INTERVIEW, PSYCHOLOGICAL: 2193
INTESTINAL ABSORPTION: 23, 359, 570, 589, 624, 687, 749, 766, 780, 1088, 1118, 1186, 1200, 1281, 1363, 1619, 1636, 1896, 2393, 2492, 2516, 2806, 2841, 2864, 3054, 3421, 3507, 4267, 4466, 4629, 4695
INTESTINAL DISEASES: 1724, 3234, 3563
INTESTINAL DISEASES, PARASITIC: 3154
INTESTINAL MUCOSA: 279, 689, 749, 1267-1268, 1282, 1449, 1486, 1491, 1624, 1833, 2364, 2398-2399, 2516, 2754, 3000, 3201, 3421, 3858, 4197, 4297-4298, 4465, 4774, 4797
INTESTINAL NEOPLASMS: 603, 623, 869, 2183, 2691, 3054, 3278
INTESTINAL OBSTRUCTION: 604, 2183, 2894, 4595
INTESTINAL PERFORATION: 4316
INTESTINAL POLYPS: 2600, 3581, 3983, 4050
INTESTINAL SECRETIONS: 185, 289, 585, 1491, 2399
INTESTINE, LARGE: 1282, 1391, 1689, 2429, 3421, 3565
INTESTINE, SMALL: 334, 623-624, 689, 780, 1088, 1225, 1373, 1795, 1953, 2393, 2429, 2516, 2800, 2691, 2754, 3041, 3142, 3154, 3195, 3416, 3517, 3617, 3979, 4102, 4193, 4267, 4465, 4589, 4682, 4797
INTESTINES: 311, 604, 1191, 1268, 1324, 1486, 1602, 1650, 1775, 1804, 2357, 2399, 2513, 2741, 2806, 2835, 2841, 2856, 2864, 2899, 3494, 3609, 4254, 4297, 4627, 4669, 4739, 4795
INTRACRANIAL PRESSURE: 200, 234, 275, 1107, 1923, 4223
INTRAOCULAR PRESSURE: 267, 652, 957, 1862, 2384, 3007, 3786, 4507, 4729
INTRAUTERINE DEVICES: 440, 633, 643, 697, 857, 1390, 2010, 2199, 2277, 2309, 2822, 3212, 3376, 3896, 3906, 3953, 4475
INTUBATION, GASTROINTESTINAL: 29, 316
INTUSSUSCEPTION: 2183
INULIN: 150, 978, 1025, 2130, 2615, 2679, 3440, 3696, 4586
INVERTEBRATES: 96
INVESTMENTS: 4475
IODATES: 4137, 4634
IODIDES: 318, 952, 978, 991, 1146, 1183, 1653, 1733, 1917, 2041, 2135, 2246, 2750, 3247, 3457, 3825, 3936, 4417, 4526, 4604, 4629, 4654, 4687
IODINE: 12, 83, 121, 183, 243, 318, 495, 535, 570, 625, 780, 903, 933, 985, 1040, 1132, 1147, 1307, 1326, 1337-1338, 1382, 1512, 1608, 1767, 1835, 1860, 1904, 1906, 1917, 2028, 2121, 2159, 2167, 2274, 2393, 2523, 2585, 2884, 2891, 2947, 3015, 3025, 3069, 3156, 3241, 3332, 3503, 3527-3528, 3530, 3575, 3604, 3631, 3648, 3697, 3881, 3918, 3929, 3933, 4004, 4072, 4183, 4206, 4220, 4274, 4605, 4634-4635, 4789
IODINE ISOTOPES: 12, 32, 44, 60, 186, 203, 226, 243, 292, 318, 351, 366, 445, 461, 495, 511, 544, 546, 570, 602, 605, 624-625, 673, 713, 727, 789, 795, 811-812, 816, 851, 907, 952, 978, 991, 1001, 1022, 1060, 1081, 1091, 1093, 1111, 1119, 1189, 1233, 1251, 1328, 1337, 1352, 1360, 1382, 1392, 1402, 1404, 1418, 1472, 1497, 1512, 1564, 1582, 1619, 1654, 1733, 1767, 1782, 1791, 1804, 1837, 1842, 1853, 1889-1890, 2013, 2057, 2079-2080, 2110, 2121, 2135, 2138, 2159, 2181, 2244, 2274, 2324, 2372, 2393, 2408, 2521, 2567, 2655, 2866, 2713, 2727, 2767, 2781, 2833, 2864, 2890-2891, 2947, 2961-2962, 2978, 2984, 3015, 3025, 3057, 3069, 3081, 3089, 3132, 3145, 3149, 3241, 3294, 3332, 3335, 3362, 3364, 3407, 3421, 3449, 3516, 3524, 3527, 3530, 3557, 3572, 3583, 3597, 3631, 3647, 3649, 3665-3666, 3686, 3694, 3697, 3711, 3719, 3753, 3770, 3825-3826, 3881, 3899, 3919, 3921, 3929, 3933, 4026, 4030, 4062-4063, 4119, 4137, 4192, 4206, 4242, 4261, 4265, 4274, 4277, 4279, 4302, 4368, 4451, 4460-4461, 4526, 4551, 4604-4605, 4645, 4649, 4654, 4659, 4666-4667, 4687, 4691-4692, 4698, 4715, 4767, 4776, 4788
IODINE ISOTOPES, DIAGNOSTIC: 44, 695, 800, 1146, 1185, 1210, 1307, 1326-1327, 1340, 1397, 1543, 1698, 1733, 1835, 1976, 2081, 2092, 2167, 2269, 2447, 2727, 2796, 2927, 2999, 3075, 3279, 3457, 3528, 3572, 3618, 3706-3707, 3836, 3918, 4072, 4085, 4152
IODOACETATES: 121, 393, 699, 2546, 2550, 3018, 3067, 4465
IODOBENZENES: 1222
IODOBENZOATES: 2585, 4605
IODOCHLORHYDROXYQUIN: 3081
IODOHIPPURIC ACID: 695
IODOPROTEINS: 186, 612, 1307, 2135, 3241, 3933
IODOPYRACET: 150

IODOTYROSINE: 991, 1040, 1146, 2121, 2246, 2274, 2324, 4072, 4654, 4687
ION EXCHANGE: 451, 679, 1005, 4215
ION EXCHANGE RESINS: 3027, 4231
IONS: 601, 2015, 2784, 4417
IONTOPHORESIS: 442, 2306, 2346, 3232, 3349, 4300
IOTHALAMIC ACID: 2267, 2931
IPRONIAZID: 866, 915, 1571, 2027, 2552, 3824, 4577
IPROVERATRIL: 2986
IRELAND: 854
IRIS: 598, 1621, 1937, 3205, 3569
IRON: 320, 766, 1074, 1093, 1431-1432, 1898, 1980, 2111, 2733, 2816, 3041, 3156, 3311, 4394, 4545
IRON-DEXTRAN COMPLEX: 2426
IRON ISOTOPES: 320, 1297, 1431-1432, 1532, 1898, 2567, 2589, 2733, 3271
IRRIGATION: 333
ISCHEMIA: 597, 994, 1065, 1319, 1750, 2308, 2487, 2831, 4023-4024, 4098, 4102, 4148, 4409
ISLANDS OF LANGERHANS: 142, 144, 326, 508, 653, 1194, 1331, 1471, 1513, 1526, 1914, 1946, 2350, 2480, 2495, 2858, 3343, 3724, 3779, 3961, 4331, 4793
ISLET CELL TUMOR: 1824, 1863
ISOANTIBODIES: 1635, 1730, 3265, 3272
ISOANTIGENS: 3564, 3633
ISOCITRATE DEHYDROGENASE: 362, 1678, 2042, 2773, 3001, 3746, 3869
ISOELECTRIC FOCUSING: 32, 445, 669, 1444, 1680, 1723, 2069, 2593, 2655, 3023, 3903, 4469, 4506, 4607
ISOENZYMES: 355, 1165, 1373, 1703, 1818, 2034, 2332, 3422, 3588, 3680, 3689, 4193, 4252, 4254, 4494, 4709
ISOLEUCINE: 2390
ISOMERASES: 3034
ISOMERISM: 340, 942, 1447, 1628, 1751, 2282, 2976, 3576, 3798, 4638, 4686
ISONIAZID: 447, 676, 1117, 3038, 4612
ISOPROTERENOL: 86, 340-341, 382, 388, 429, 455, 496, 537, 575, 706, 810, 843, 1023, 1162, 1282, 1289, 1299, 1358, 1546, 1565, 1568, 1574, 1635, 1661, 1759, 1786, 1801, 1859, 2036, 2176, 2258-2259, 2308, 2481, 2845, 2876, 3030, 3163, 3215, 3293, 3318, 3386, 3702, 3858, 4002, 4104, 4127, 4266, 4381, 4493, 4529, 4565
ISOQUINOLINES: 1615, 4218
ISOTONIC SOLUTIONS: 290, 1800, 2403, 2835, 3421, 3916
ISOTOPE LABELING: 121, 215, 1455, 2110, 2760, 2953, 3081, 3443, 3825, 4302
ISOXSUPRINE: 4761
ISRAEL: 303, 4085, 4142, 4357

J

JACKSONIAN SEIZURE: 2594
JAPAN: 1808, 2063, 3107, 4323, 4357, 4486
JAUNDICE: 4541
JAUNDICE, NEONATAL: 3995, 4164, 4278
JAUNDICE, OBSTRUCTIVE: 4152, 4384
JAW ABNORMALITIES: 3094
JAW DISEASES: 1129
JAW NEOPLASMS: 3861
JEJUNUM: 185, 334, 603, 623, 1288, 1449, 1491, 1697, 1795, 2162, 2394, 2876, 2968, 3054, 3201, 4485, 4797
JEWS: 4065
JOINT DISEASES: 994, 1535, 1547, 1716, 1724, 2398, 3495, 4148
JOINT PROSTHESIS: 1716
JOINTS: 1669, 2708, 3452, 3602
JUGULAR VEIN: 1252, 1923, 3880
JURISPRUDENCE: 4574
JUVENILE DELINQUENCY: 2208
JUVENILE HORMONES: 2924, 3346
JUXTAGLOMERULAR APPARATUS: 1059, 1289, 1740, 2233, 2358, 2536, 3116, 3410, 3546, 4181

K

KALLIKREIN-TRYPSIN INACTIVATOR: 4644
KANAMYCIN: 417, 2149-2151, 2172, 2448, 4267, 4396, 4703
KAOLIN: 3660
KARYOMETRY: 661, 743, 2137, 3166
KARYOTYPING: 161, 343, 386, 389, 391, 553-554, 558, 1085, 1110, 1134, 1140, 1184, 1211, 1246, 1359, 1769, 2055, 2059-2060, 2077, 2208, 2449, 2794, 2855, 2861, 3020, 3105-3107, 3205, 3216, 3254, 3397, 3418, 3544, 3587, 3632, 3851, 3905, 3907, 3944, 4013, 4134, 4178, 4244, 4367, 4570, 4627
KENYA: 1745
KERATIN: 1220, 2557, 4585
KERATITIS: 1552, 2514, 3123
KERATITIS, DENDRITIC: 1552, 3123, 3226, 4705
KERATOCONJUNCTIVITIS: 236, 3367
KERATOSIS: 2789, 3398, 3471
KETAMINE: 583, 4088
KETO ACIDS: 2396-2397, 3197, 3378, 3427, 4571
KETOACID-LYASES: 1499, 3422
KETOGLUTARIC ACID: 241
KETONE BODIES: 1686, 1908, 3064
KETONES: 9, 737, 1077, 1089, 1455, 1463, 1466, 1708, 3029, 3034, 3290, 3531, 3877, 4031, 4088, 4750
17-KETOSTEROIDS: 2, 9, 29, 58, 170, 206, 304, 327, 419, 466, 500, 539, 552, 554, 639, 650, 657, 677, 752, 895, 998, 1001, 1067, 1109, 1211, 1286, 1534, 1735, 1826, 1905, 1964, 1973, 2108, 2215, 2349, 2455, 2475, 2634, 2694, 2718, 2786, 2794, 2818, 2847-2848, 3034, 3170, 3184, 3192, 3255, 3405, 3470, 3473, 3512, 3539-3540, 3878, 3913, 3945, 4038, 4093, 4178, 4208, 4420, 4422, 4487, 4513, 4536, 4646, 4650, 4693
KETOSTEROIDS: 30, 92, 280, 320, 325, 346, 355-356, 539, 583, 656, 677, 815, 908, 1097, 1336, 1464, 1532, 1583, 1696, 1852, 2113, 2411, 2508, 2865, 2977, 3073, 3284, 3592, 3817, 3997, 4120, 4173-4174, 4176, 4341, 4371, 4763
KIDNEY: 3-4, 56, 150, 165, 204, 227, 237, 249, 281, 309, 312, 322, 324, 346, 373, 387, 407, 414, 445, 486, 546, 581, 584, 597-598, 601, 618, 641, 644, 684, 714, 718, 728, 733, 739, 744, 762-763, 776, 801, 858-859, 871, 969, 996, 1002, 1021, 1029, 1033, 1051, 1056, 1097, 1100, 1121, 1144-1145, 1154, 1222, 1225, 1227, 1273, 1275, 1277, 1291, 1312, 1316, 1324, 1340, 1368, 1373, 1377, 1387, 1417, 1433, 1448, 1455, 1506, 1569, 1609, 1614, 1631, 1648, 1650, 1665, 1682, 1711, 1726, 1740, 1746, 1748, 1770, 1784, 1802, 1836, 1862, 1895, 1920, 1938, 1974, 2035, 2075, 2149-2151, 2160, 2170, 2193, 2209-2210, 2232, 2295, 2320, 2322, 2347, 2352, 2358-2359, 2378, 2419, 2433, 2453, 2477, 2487, 2489, 2516, 2518, 2555, 2589, 2595, 2615, 2696, 2720, 2729, 2750, 2756, 2778, 2785, 2806, 2817, 2823, 2829-2831, 2841, 2853, 2856, 2885, 2902, 2916, 2968-2969, 2971, 3009, 3037, 3095, 3133, 3147, 3195, 3208, 3229, 3239, 3304, 3314, 3317, 3329, 3340, 3355, 3357, 3363, 3374, 3390, 3415, 3440, 3454, 3494, 3496, 3498, 3517, 3534, 3559, 3568, 3579, 3609, 3655, 3658-3659, 3719, 3722, 3766, 3897, 3926, 3964, 3979, 4024, 4089, 4108, 4132, 4144, 4147, 4167, 4181, 4197, 4200, 4268, 4271, 4293, 4297, 4364-4365, 4428, 4496, 4521, 4545-4546, 4555, 4614, 4631, 4672, 4682, 4708, 4723, 4744, 4751, 4770, 4781, 4795
KIDNEY CALCULI: 1527, 2375, 2492, 2649, 3479, 3497, 4125
KIDNEY CONCENTRATING ABILITY: 150, 1051, 2402, 2841, 3410
KIDNEY CORTEX: 4, 801, 871, 1144, 1154, 1266, 1368, 2168, 2170, 2210, 2841, 2885, 3363, 3390, 3440, 3559, 4286, 4364
KIDNEY CORTEX NECROSIS: 1051, 4546
KIDNEY DISEASES: 197, 324, 514, 597, 714, 876, 1149, 1214, 2233, 2298, 2353, 2775, 2902, 3095, 3190, 3410, 3489, 3518, 3540, 3557, 3562, 3614, 3655-3656, 3812, 4023, 4132, 4181, 4396, 4562
KIDNEY FAILURE, ACUTE: 163, 174, 950, 1033, 1051, 1732, 3489, 3659, 4546, 4587, 4736
KIDNEY FAILURE, CHRONIC: 309, 324, 486, 618, 739, 855, 858, 899, 989, 1048, 1056, 1244, 1363, 1755, 2193, 2231, 2380, 2894, 3339-3340, 3377, 3489, 3542, 3562, 3619, 3655, 3659, 3918, 4299, 4340, 4451, 4751
KIDNEY FUNCTION TESTS: 684, 695, 698, 859, 1607, 2160, 2209, 2649, 2729, 2902, 3340, 3390, 3454, 3557, 3929
KIDNEY GLOMERULUS: 163, 876, 1228, 1879, 2444, 4546
KIDNEY MEDULLA: 204, 801, 871, 969, 2170, 2210, 2358-2359, 2885, 2916, 3363, 3390, 4364, 4723
KIDNEY NEOPLASMS: 278, 347, 597, 771, 883, 918, 1149, 1373, 1504, 1605, 2183, 2471, 2536, 3258, 3363, 3494, 3745, 4364, 4418
KIDNEY PELVIS: 724
KIDNEY, POLYCYSTIC: 1154, 2183, 3568, 3658
KIDNEY TUBULES: 254, 290, 528, 1021, 1056, 1527, 1578, 2129-2130, 2209, 2321, 2444, 2841, 3339, 3659, 4126, 4328, 4355
KIDNEY TUBULES, DISTAL: 1021, 1154, 4355
KIDNEY TUBULES, PROXIMAL: 254, 290, 871, 1021, 1154, 1578, 2129-2130, 2444, 2615, 3821, 4328, 4355
KINETICS: 12, 20, 121, 187, 202, 213, 215, 293, 297, 340, 387, 414, 443, 492, 546, 578, 595, 605, 608, 621, 674, 681, 689, 710, 723, 730, 811, 820, 843, 872, 915, 919, 1023, 1143, 1170, 1201, 1209, 1233, 1296, 1355-1356, 1371, 1373, 1399, 1474, 1500-1501, 1507, 1555, 1576, 1663-1664, 1675, 1688, 1700-1701, 1723, 1742, 1848, 1874, 1895, 1897, 1915, 1984, 2018, 2025, 2051, 2069, 2085, 2162, 2167, 2174, 2220, 2223, 2252, 2270, 2325, 2344, 2360, 2384, 2450, 2518, 2544, 2547-2549, 2601, 2614, 2643, 2718-2719, 2734, 2736, 2773, 3000, 3006, 3067, 3228, 3268, 3284, 3318, 3323, 3327, 3350-3351, 3378, 3434, 3440, 3449, 3453, 3456, 3494, 3501, 3537, 3559, 3575, 3577, 3660, 3700, 3705, 3766, 3796, 3803, 3858, 3875, 3897, 3901, 3951, 3998, 4030, 4061, 4098, 4100, 4119, 4141, 4215, 4254, 4262, 4371, 4376, 4382, 4408, 4440, 4466, 4478, 4485, 4488, 4494, 4508, 4520, 4615, 4626, 4654, 4689, 4740, 4759
KININASE II: 1034
KININS: 975, 1859, 2591, 3653
KIRGHIZIA: 183, 1976
KLEBSIELLA: 1602, 3575, 4333
KLEBSIELLA INFECTIONS: 4333
KLINEFELTER'S SYNDROME: 60, 161, 558-559, 1029, 1246, 1308, 1739, 1827, 2114, 2164, 2382, 2521, 2861, 3205, 3544, 3684, 3801, 4353, 4383, 4385
KNEE: 482, 3750
KNEE INJURIES: 994
KNEE JOINT: 518, 1429, 1716, 3478, 3495
KOREA: 3107
KREBS CYCLE: 3001, 3869
KUPFFER CELLS: 734, 1100
KURU: 235
KWASHIORKOR: 1070, 4482, 4796
KYMOGRAPHY: 2047
KYNURENIC ACID: 110
KYPHOSIS: 1813, 3584

L

L CELLS: 471, 2421
LABOR: 779, 807-808, 999, 1064, 1372, 1858, 1710, 1862, 1953-1954, 2302, 2333, 2424, 2434, 2993, 3136, 3143, 3185, 3264, 4001, 4034, 4135, 4288, 4374, 4472, 4575, 4781
LABOR COMPLICATIONS: 590, 1390, 1868, 2230, 4467
LABOR, INDUCED: 5, 640, 805, 1095, 1658, 1710, 2323, 2434, 2954, 3731, 3978, 4285, 4334, 4518, 4764
LABOR, PREMATURE: 176, 807, 817, 1478, 1730, 1868, 2249, 2842, 3507, 3760, 4761
LABOR PRESENTATION: 2256
LABORATORY INFECTION: 1150
LACRIMAL APPARATUS: 94, 191, 236, 3367, 4589
LACTALBUMIN: 4721
LACTAMS: 3575
LACTATE DEHYDROGENASE: 155, 321, 362-363, 1401, 1426, 1702, 1770, 1872, 2074, 2773, 3807
LACTATE DEHYDROGENASE ISOENZYMES: 1401, 1549, 2433, 4373
LACTATES: 20, 86, 300, 336, 476, 734, 1072, 1076, 1585, 1627, 2524, 2909, 2939, 2950, 3028, 3255, 3559, 3776, 3807, 4136
LACTATION: 61, 125, 358, 402, 452, 523, 817, 1016, 1025, 1062, 1069, 1153, 1189, 1198, 1274, 1296, 1373, 1483, 1487, 1499, 1508, 1585, 1594, 1647, 1734, 1762, 1833, 2085, 2186, 2217, 2240, 2255, 2388, 2400, 2404, 2478, 2501, 2526, 2547, 2581, 2743-2745, 2839, 2850, 2885, 2946, 3046, 3050, 3142, 3179, 3233, 3244, 3312, 3316, 3348, 3366, 3419, 3422, 3494, 3507, 3532, 3574, 3634, 3637, 3680, 3758, 3863, 3871, 3901, 3972, 3982, 4074, 4105, 4109, 4239, 4339, 4441, 4509, 4518, 4524, 4721, 4732, 4797-4798
LACTATION DISORDERS: 970, 1243, 1406, 2165, 2182, 2199, 2702, 2896, 3295, 4314, 4377
LACTOBACILLUS: 1602
LACTOBACILLUS ACIDOPHILUS: 2899

LACTOBACILLUS CASEI 2329
LACTOGLOBULINS: 4721
LACTONES 133, 656, 867, 1386, 1614, 1811, 2339, 2595, 4169
LACTOSE: 2255
LACTOSE INTOLERANCE: 2716
LACTOSE SYNTHETASE: 3312
LANATOSIDES: 1521
LANGERHANS CELLS: 3158
LANGUAGE DEVELOPMENT: 559
LANGUAGE DISORDERS: 558
LANOLIN: 1560
LANTHANUM 179, 388, 627, 1984, 2704, 2734
LAPAROSCOPY 2059, 3334, 3430, 3906
LAPAROTOMY: 224, 554, 1181, 1350, 2528, 3033, 3703, 4384, 4445
LARVA: 135, 411, 451, 504, 523, 1475, 1764, 2856, 3346, 3515, 3841, 4082, 4232, 4504
LARYNGEAL CARTILAGES: 2242
LARYNGEAL DISEASES 450, 4068
LARYNGEAL NEOPLASMS: 563, 3488, 3725, 3944, 4068
LARYNGEAL NERVES: 1523, 3482, 3682
LARYNGECTOMY: 4088
LARYNGOSCOPY: 3488
LARYNX: 4496
LASERS: 3221
LATERALITY: 491, 2192, 3181, 3591, 4352
LATEX FIXATION TESTS: 1642, 2801, 3213
LAURENCE-MOON-BIEDL SYNDROME: 3762
LE CELLS: 4496
LEAD: 687, 1058, 2295, 3263
LEAD POISONING: 275, 687, 734, 1056, 2894
LEARNING: 3101
LEARNING DISORDERS: 2354, 3738
LECITHINS: 31, 371, 469, 591, 1114, 1174, 1999, 3936, 4657, 4673
LEECHES: 2346, 3135, 3980, 4301, 4648
LEG: 478, 1045, 1177, 1632, 2112, 3332
LEG ULCER: 3010, 3130
LEIOMYOMA: 225, 758, 797, 1226, 3818, 3889, 3907
LEIOMYOSARCOMA: 623
LENGTH OF STAY: 271, 803
LENS, CRYSTALLINE: 1851, 1864, 2856
LEPROSY: 2401, 4137
LESCH-NYHAN SYNDROME: 179, 2544, 3065
LETHAL DOSE 50: 311, 601, 1273, 1335, 1590, 1614, 1910, 2151, 3118, 3290, 3417, 4488, 4708
LETTERER-SIWE DISEASE: 3714
LEUCINE: 171, 448, 543, 645, 673, 749, 760, 843, 846, 891, 1004, 1008, 1789, 1818, 1855, 2034, 2057, 2220, 2327, 2509, 2760, 2858, 2866, 2990, 3131, 3221, 3271, 3500, 3540, 3724, 3926, 4327, 4661, 4733
LEUCINE AMINOPEPTIDASE: 1227, 3926
LEUKEMIA: 104, 563, 1105, 1244, 1264, 1435, 1564, 1598, 1655, 2164, 2339, 3189, 3899, 4333, 4486
LEUKEMIA, EXPERIMENTAL: 100, 131, 1808, 3172
LEUKEMIA L1210: 3481, 4703
LEUKEMIA, LYMPHOBLASTIC: 104, 148, 168, 2450, 2617, 2689, 2711, 4107, 4221, 4496, 4731
LEUKEMIA, LYMPHOCYTIC: 229, 670, 1337, 2339, 2710, 3358, 3521, 3899, 4496
LEUKEMIA, MONOBLASTIC: 4221
LEUKEMIA, MONOCYTIC: 3172
LEUKEMIA, MYELOBLASTIC: 104, 386, 901, 1095, 1178, 1275, 2055, 2711, 3189, 3521, 4107, 4221
LEUKEMIA, MYELOCYTIC: 46, 701, 1095, 1485, 2055, 2417, 2817, 3189, 3899, 4496, 4800
LEUKEMIA, PLASMACYTIC: 4049
LEUKEMIA, RADIATION-INDUCED: 1808, 4788
LEUKOCYTE COUNT: 148, 276, 320, 464, 933, 1273, 1275, 1378, 1416, 2161, 2298, 3075, 3807, 3914, 4611, 4747, 4771
LEUKOCYTE CULTURE TEST, MIXED: 744, 3009, 4185
LEUKOCYTES: 706, 730, 831-833, 864, 964, 1128, 1337, 1354, 1440, 1730, 1769, 1901, 1925, 1977, 2036, 2077, 2236, 2267, 2341, 2418, 2481, 2575, 2590, 3142, 3199, 3205, 3405, 3730, 3991, 4079, 4111, 4296, 4423, 4528, 4542, 4591, 4604, 4610-4611, 4742
LEUKOCYTOSIS: 56, 3190
LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL: 235
LEUKOPENIA: 586, 1033, 1730, 2597, 4069
LEVALLORPHAN: 4064
LEVORPHANOL: 3927
LEVULINIC ACID: 687
LEYDIG CELL TUMOR: 1359, 1973, 2419, 2731, 2943
LEYDIG CELLS: 362, 483, 651, 662, 1344, 1465, 2115, 2202, 2462, 2869, 3012, 3022, 3612, 3635, 3753, 3792, 4047, 4165, 4311, 4455
LH: 9, 58, 103, 105, 116, 158, 170, 190, 218, 282-283, 304, 319, 327, 351, 395, 398, 405, 437, 439, 466, 513, 554, 590, 611, 619-620, 629, 634, 664, 677, 699, 713, 773-774, 783, 785, 792, 798, 813, 816, 825-826, 829, 910, 947, 990, 1001, 1046, 1050, 1054, 1082, 1093, 1102, 1126, 1158, 1170-1171, 1189, 1212, 1215-1216, 1286, 1318, 1351, 1383, 1402, 1404, 1406, 1444, 1461, 1480, 1497, 1544, 1570, 1593, 1647, 1709-1710, 1786, 1825, 1827, 1834, 1857, 1890, 1905, 1980-1981, 1989, 2003, 2014, 2024-2025, 2060, 2110, 2115, 2182, 2190, 2235, 2252, 2284, 2297, 2313, 2365, 2369, 2372, 2386, 2408, 2449, 2475, 2479, 2521, 2540, 2561, 2585, 2622, 2653, 2724, 2832, 2838, 2875, 2912-2913, 2928, 2965, 2973-2975, 2997-2998, 3012, 3022, 3036, 3048, 3066, 3088, 3214, 3407, 3413, 3445, 3449, 3463, 3512, 3536, 3554-3555, 3600, 3608, 3638, 3645, 3649, 3666, 3672-3674, 3677, 3711, 3716-3717, 3719, 3753, 3755, 3777, 3826, 3844, 3867, 3873, 3888, 3907, 3926, 3977, 3988, 4014-4015, 4026-4028, 4030, 4091, 4133, 4154, 4178, 4191-4192, 4195, 4212, 4245, 4265, 4277, 4294-4295, 4321, 4373, 4385, 4390, 4433, 4481, 4531, 4548, 4551, 4556, 4558, 4568, 4571, 4639-4640, 4663, 4670, 4692-4693, 4717-4718, 4720, 4735
LIBIDO: 1073, 1451, 1524, 2896, 3866
LICHEN PLANUS: 6
LIDOCAINE: 931, 1984, 4617
LIDOFLAZINE: 875
LIGAMENTS: 2238, 4276
LIGAMENTS, ARTICULAR: 994
LIGANDS: 1295
LIGATION: 157, 736, 805, 820, 1009, 1063, 1682, 1736, 1923, 2487-2488, 2505, 2902, 2952, 3059, 3256, 4028, 4081
LIGHT: 353, 496, 507, 521, 1662, 1851, 2002, 2360, 2453, 2529, 2539, 2619, 2880, 3033, 3463, 3898, 4070, 4434, 4508
LIGHT COAGULATION: 3218, 4755
LIMBIC SYSTEM: 486, 506, 1240, 1246, 1287, 2436, 2758, 3591, 4145, 4358, 4418
LINCOMYCIN: 4732
LINKAGE (GENETICS): 1217, 1787, 2544, 2749, 2903, 3210, 3471, 4144, 4488
LINOLEIC ACID: 767, 822, 1477, 2584, 4309, 4460
LINOLENIC ACID: 1477
LIPASE: 277, 489, 1078, 1456, 1466, 1482, 2988, 3096, 4061, 4331, 4440
LIPID METABOLISM, INBORN ERRORS: 1319, 3471, 3801
LIPID MOBILIZATION: 537, 575, 1572, 1574, 2123, 2270, 2454, 2921, 3290, 3732, 3776, 3783, 4537, 4799
LIPIDS: 39, 300, 326, 362, 371, 489, 548, 580, 614, 727, 801, 812, 936, 954, 961-962, 1057, 1114, 1174, 1232, 1235, 1248, 1319, 1417, 1430, 1472, 1574, 1579, 1595, 1673, 1712, 2142, 2202, 2260, 2288, 2438, 2494, 2503, 2543, 2578, 2584, 2596, 2661, 2677, 2787, 2821, 2849, 2885, 2916, 2958, 3012, 3291, 3363, 3419-3420, 3422, 3612, 3651, 3732, 3743, 3776, 3779, 3802, 3937-3938, 3952, 4048, 4147, 4152, 4162, 4258, 4271, 4289, 4293, 4309, 4364-4365, 4537, 4799
LIPOAMIDE DEHYDROGENASE: 362, 3635, 4258
LIPOCHONDRODYSTROPHY: 967
LIPODYSTROPHY: 2923
LIPODYSTROPHY, INTESTINAL: 2398
LIPOIC ACID: 2560
LIPOMA: 1629, 2047, 3818, 4581
LIPOPOLYSACCHARIDES: 454, 2722, 4705
LIPOPROTEIN LIPASE: 242, 584, 3096, 3820, 4308
LIPOPROTEINS: 242, 401, 1330, 1430, 1456, 2054, 2260, 2502-2503, 2760, 2916, 3016, 3419, 3789, 3820, 4293
LIPOPROTEINS, HDL: 1430, 2757, 3419, 3820
LIPOPROTEINS, LDL: 1430, 2502, 2757, 3419, 3789, 3820, 4271
LIPOPROTEINS, VLDL: 1430, 2757, 3419, 3820
LIPOSARCOMA: 347
LIPOSOMES: 1248, 3936
LIPOTROPIC FACTORS: 4799
LIPOTROPIN: 3783, 4799
LISTERIA INFECTIONS: 2381
LITHIUM: 592, 800, 938, 956, 1019, 1302, 1326-1328, 1355, 1434, 1449, 2402, 2470, 2623, 2707, 2932, 3280, 3891, 4166, 4350, 4413
LITHOCHOLIC ACID: 1602
LIVER: 3, 27, 39, 52, 54, 145, 151, 176, 188, 199, 247, 279, 311-312, 336, 428, 465, 475, 486, 546, 578, 601, 605, 625, 637, 670, 682-683, 723, 726, 734, 811, 820, 849, 867, 891, 907, 929, 1002, 1018, 1067, 1070, 1079, 1088, 1096-1097, 1100, 1113, 1121, 1124, 1141, 1222, 1225, 1227, 1266, 1273, 1275, 1294, 1303, 1316, 1324, 1336, 1342-1343, 1345-1347, 1368, 1373, 1385, 1392, 1399, 1405, 1417, 1437, 1448, 1452, 1475, 1506, 1569, 1614, 1641, 1665, 1673, 1681-1682, 1701, 1726, 1778, 1787, 1796, 1800-1802, 1804, 1833, 1855, 1877, 1889, 1895, 1908, 1953, 1974, 1984, 1994, 2002, 2069, 2075, 2083, 2086, 2092, 2106, 2124, 2149-2151, 2228, 2270, 2276, 2295, 2308, 2327, 2329, 2332, 2347, 2374, 2414, 2433, 2453, 2469, 2474, 2494, 2516, 2518, 2553, 2589, 2595-2596, 2608, 2614, 2696-2697, 2739, 2750, 2760, 2767-2768, 2778, 2787, 2806, 2816-2817, 2845, 2856, 2903, 2934, 2945, 2961, 2969, 2990-2992, 3002-3003, 3016, 3028, 3044, 3080, 3096, 3172, 3178, 3195, 3203-3204, 3246, 3255, 3290, 3304, 3311, 3314, 3317, 3336, 3396, 3415-3416, 3464, 3494, 3498, 3537, 3548, 3586, 3588-3589, 3609, 3617, 3620, 3637, 3662, 3687, 3719, 3722, 3732, 3766, 3783, 3819, 3862, 3869, 3904, 3952, 3964, 3969, 3979, 3982, 3987, 4031, 4048, 4109, 4115, 4138, 4140, 4147, 4152, 4162, 4167, 4180, 4187, 4207, 4265-4266, 4271, 4282, 4293, 4296, 4302, 4322, 4345, 4348, 4354, 4371, 4376, 4382, 4399, 4412, 4469, 4478, 4488, 4494, 4500, 4545, 4555, 4612, 4614, 4621, 4631, 4664, 4672, 4682, 4697, 4708, 4726, 4770, 4781-4782
LIVER CIRCULATION: 2935, 4048
LIVER CIRRHOSIS: 232, 449, 650, 659, 664, 728, 1329, 1870, 2291, 2312, 3016, 3586, 3984, 4049, 4163
LIVER CIRRHOSIS, OBSTRUCTIVE: 4148
LIVER DISEASES: 232, 449, 650, 820, 950, 1149, 1436, 1724, 1810, 2247, 2351, 2863, 3018, 3234, 3469, 3820, 4132, 4190, 4651, 4676, 4688
LIVER DISEASES, PARASITIC: 2, 3383
LIVER EXTRACTS: 4619
LIVER FUNCTION TESTS: 2, 449, 564, 2819, 3016, 3217, 4152, 4163, 4612
LIVER GLYCOGEN: 336, 1303, 1962, 2270, 2590, 3002, 3290, 3732, 3862, 4048, 4140, 4399
LIVER NEOPLASMS: 27, 603, 637, 771, 1113, 1141, 1373, 1629, 1670, 1674-1675, 1679, 2021, 2755, 2935, 3477, 3818, 4155, 4345, 4494
LIVER REGENERATION: 849, 1079, 1342-1343, 1551, 1569, 3016, 4494, 4500
LIZARDS: 427, 1344, 2077, 3833, 4460, 4627
LOBSTERS: 4062
LOCOMOTION: 61, 397, 1320, 1644, 1793, 1934, 2204, 2407, 2533, 3366, 3448, 3626, 4474
LOEFFLER'S SYNDROME: 2562
LONDON: 963, 3189
LONG-ACTING THYROID STIMULATOR: 32, 957, 1119, 1543, 2040, 2057, 2091, 2837, 3119, 3457, 3727-3728, 4706
LONG TERM CARE: 46, 1327, 1498, 2182, 3280, 4069, 4299, 4304, 4312
LONGEVITY: 707, 3934
LUMBAR VERTEBRAE: 2385, 3432
LUMBOSACRAL PLEXUS: 3843
LUMBOSACRAL REGION: 3558
LUMINESCENCE: 4406
LUNG: 46, 49, 181, 189, 199, 237, 255, 312, 591, 747, 929, 1002, 1031, 1097, 1099-1100, 1121, 1177, 1222, 1224, 1227, 1273, 1275, 1583, 1614, 1623, 1665, 1682, 1847-1848, 1953, 2075, 2083, 2096, 2149-2151, 2290, 2347, 2359, 2403, 2468, 2518, 2709, 2767, 2856, 2903, 2968, 3059, 3195, 3305-3306, 3415, 3491, 3579, 3604, 3609, 3620, 3751, 3819, 3824, 3840, 4052, 4167, 4262, 4296, 4312-4313, 4336, 4412, 4437, 4494, 4496, 4631, 4672, 4682, 4760, 4781, 4791
LUNG ABSCESS: 609, 4553
LUNG COMPLIANCE: 66, 195, 951, 3375, 3571
LUNG DISEASES: 205, 498, 641, 865, 951, 1031, 2245, 2383, 2562, 3234, 3468, 3855, 4312
LUNG DISEASES, FUNGAL: 3914, 4336
LUNG DISEASES, OBSTRUCTIVE: 1829, 4576, 4641
LUNG NEOPLASMS: 175, 278, 378, 392, 408, 479, 666, 771, 1010, 1485, 1488, 1679, 1735, 1819, 2109,

2133, 2752, 2779, 2943, 3046, 3257, 3270, 3388, 3726, 3745, 3864, 3912, 3917, 4065, 4236, 4535
LUPUS ERYTHEMATOSUS, DISCOID: 3213
LUPUS ERYTHEMATOSUS, SYSTEMIC: 197, 237, 453, 670, 731, 739, 1242, 1436, 1598, 1669, 1803, 2294, 3602, 3812, 4148, 4528
LYASES: 3034
LYMPH: 1740
LYMPH NODE EXCISION: 761, 1415, 1649
LYMPH NODES: 54, 82, 601, 771, 827, 915, 1178, 1275, 1408, 1415, 1802, 2016, 2044, 2777-2778, 2995, 3054, 3204, 3278, 3293, 3579, 3589, 3855, 3914, 4147, 4207, 4542, 4624
LYMPHANGIECTASIS: 3398, 3563
LYMPHANGIOMA: 1521, 3398, 4581
LYMPHATIC DISEASES: 211, 2930, 3563, 3656
LYMPHATIC METASTASIS: 175, 378, 842, 1045, 1649, 2094, 2125, 2156, 2244, 3558, 3864, 4204, 4511
LYMPHATIC SYSTEM: 1521, 2777-2778, 3045
LYMPHEDEMA: 3563, 4630
LYMPHOCYTE DEPLETION: 4104
LYMPHOCYTE TRANSFORMATION: 24, 82, 744, 945, 1476, 1548, 1655, 2239, 2747, 3146, 3251, 3656, 4473, 4550
LYMPHOCYTES: 24, 202, 563, 689, 830, 834, 945, 1378, 1418, 1548, 1677, 2208, 2267, 2418, 2421, 2450, 2522, 2747, 2868, 2942, 3009, 3213, 3251, 3293, 3405, 3510, 3521, 3589, 3712, 3829, 4013, 4079, 4131, 4493, 4496, 4538, 4550, 4561, 4875
LYMPHOGRAPHY: 175, 344, 1045, 1521, 2156, 2658, 2710, 2863, 3398, 3558
LYMPHOID TISSUE: 1415, 3931, 3962, 4675
LYMPHOMA: 429, 842-843, 883, 1332, 2339, 3054, 3563, 3884, 4065, 4204, 4333
LYMPHOPENIA: 132, 1435, 3474
LYMPHOSARCOMA: 11, 100, 235, 462, 623, 1598, 2339, 3866, 3920, 4069, 4581
LYNESTRENOL: 3514
LYSERGIC ACID DIETHYLAMIDE: 209, 2259, 4350
LYSINE: 75, 212, 387, 621, 673, 1008, 1101, 1131, 1606, 2034, 2219, 2404, 2459, 2608, 3294, 3524
LYSOLECITHIN: 469, 1018, 3472
LYSOSOMES: 428, 726, 814, 1129, 1194, 1303, 1750, 1800-1801, 1925, 2005, 2307, 2811, 2971, 3352, 3472, 3612, 3801, 3909, 4158, 4477, 4684, 4723, 4742
LYSOSTAPHIN: 2613

M

MACACA: 47, 245, 460, 536, 700, 909, 939, 1269, 1280, 1601, 1612, 1651, 1682, 1947, 2003, 2152, 2252, 2589, 2772, 2804, 2866, 2875, 3036, 3136, 3430, 3818, 3973, 4026, 4130, 4132, 4407, 4462, 4509, 4524, 4594, 4605, 4621, 4647
MACROGLOBULINEMIA: 3234
MACROMOLECULAR SYSTEMS: 88, 624, 699, 710, 1233, 1285, 1482, 1561, 2735, 3067, 3874, 3982, 4061, 4096, 4289, 4543
MACROPHAGES: 317, 1726, 1901, 2398, 2575, 2714, 3213, 3293, 3730, 4400, 4455, 4542, 4746
MACULA LUTEA: 4507
MAGNESIUM: 27, 56, 144, 187, 233, 293, 305, 359, 393, 407, 462, 471, 492, 710, 733, 770, 780-781, 872, 887, 898, 1118, 1146, 1154, 1162, 1186, 1250, 1281, 1309, 1355, 1362, 1399, 1475, 1505, 1527, 1536, 1579, 1585, 1609, 1627, 1688, 1723, 1758, 1786, 1796, 1929, 1974, 2161, 2174, 2423, 2432, 2496, 2704, 2734-2735, 2737, 2876, 2967, 3011, 3111-3112, 3300, 3392, 3481, 3588, 3676, 3764-3765, 3858, 3874, 3967, 4002, 4103, 4168, 4215, 4231, 4430, 4465, 4482, 4520, 4550, 4592, 4615, 4674, 4713
MAGNESIUM DEFICIENCY: 56, 2725, 3676
MAGNESIUM OXIDE: 594, 733
MAGNESIUM SULFATE: 733, 4023
MALABSORPTION SYNDROMES: 950, 1824, 3054, 3180, 4164, 4595
MALACOPLAKIA: 4369
MALARIA: 3991
MALATE DEHYDROGENASE: 2773, 2934, 3001, 3061, 3422, 3617, 3700, 3746, 3869
MALATES: 674, 1901, 2717-2718, 3559, 3700, 4400, 4615
MALAYSIA: 3633, 3831
MALE: 1-2, 6, 9-12, 14, 16-17, 19, 21, 25, 33, 35, 39, 41, 45, 52-53, 56, 58-59, 61, 63, 65, 67, 72-73, 79-80, 84, 92, 101-102, 104-106, 108, 110, 113, 115-117, 120, 122-123, 125, 127-128, 130, 132, 136-137, 139, 145-146, 152, 154, 156-157, 160-161, 166, 168, 172, 174-175, 183-184, 189, 191-192, 197, 199-202, 204, 206-207, 209-210, 213-214, 218, 226-227, 229, 231, 234-235, 239-240, 242, 244-246, 255-256, 262, 268, 271, 275, 277-278, 285, 288, 292, 294-296, 303-304, 307-309, 315, 318-320, 322-325, 330, 334, 344, 347, 355, 357-358, 362-365, 368-369, 371-372, 374, 376-381, 384-385, 388-390, 397, 400, 406, 408-410, 412, 418-419, 421-422, 434-435, 437-439, 441, 444, 446-447, 453, 456-457, 461, 465-466, 469-470, 476-477, 479-480, 482-483, 488-489, 493, 496-498, 500-501, 503, 506, 509, 511, 514-516, 520, 525, 537, 541, 543-545, 549-550, 552-553, 557-561, 566-567, 571, 578, 581-582, 584, 588, 590-591, 593, 595, 597, 599, 601-602, 605-606, 608, 610, 615-616, 618, 622, 625, 632, 634-638, 642-644, 650-651, 655-656, 658, 660, 662, 664-665, 670-671, 675-677, 681-683, 685, 690-692, 701, 703, 705, 707-709, 714, 717, 719, 721, 726-727, 731-735, 739, 741-743, 745, 747, 753, 757-759, 761-764, 767-768, 770, 775-776, 784, 786, 791, 793, 799, 801, 810, 812-813, 815, 818, 828, 830-835, 841-842, 844-845, 848-851, 855-856, 858, 861-862, 865-866, 869, 873, 875, 877, 880-882, 887, 889, 891, 893-900, 903-906, 910, 912, 914-915, 918-919, 922, 924, 928-930, 932, 937, 945, 948-949, 951-954, 956-957, 960, 963-964, 967, 976-977, 980-982, 984-985, 987, 990-993, 996-997, 1002, 1004, 1007-1015, 1017, 1020, 1024, 1029, 1036, 1039, 1041-1042, 1045-1046, 1049-1050, 1056, 1063, 1068, 1070-1072, 1076, 1082-1085, 1094, 1096-1097, 1102-1105, 1107, 1112-1114, 1118, 1120-1121, 1125, 1128, 1132, 1134, 1140, 1142-1143, 1145, 1148-1151, 1157-1160, 1164, 1166, 1172, 1176, 1178, 1180, 1184-1185, 1188, 1193-1195, 1200, 1204-1205, 1211-1213, 1215-1218, 1221-1225, 1228-1231, 1233 1234, 1236-1237, 1240, 1243-1244, 1246, 1248, 1251-1253, 1257, 1260, 1262-1264, 1271-1272, 1287-1288, 1293-1294, 1298, 1306-1308, 1310, 1314, 1316-1318, 1320, 1323-1325, 1327, 1331, 1336, 1338, 1343-1349, 1355-1356, 1361, 1363, 1365-1368, 1370, 1377, 1381, 1389, 1391, 1393-1395, 1397-1400, 1402, 1404-1405, 1408-1410, 1412-1414, 1424, 1427, 1429, 1434, 1437-1440, 1443, 1450, 1453, 1457, 1464-1465, 1470-1472, 1474, 1477, 1482, 1484-1486, 1488-1491, 1495-1498, 1504, 1506-1507, 1513, 1515, 1517-1518, 1521-1522, 1527, 1530-1531, 1533-1534, 1541, 1543-1544, 1554-1555, 1557, 1561, 1563-1564, 1567-1569, 1573-1574, 1580, 1586-1589, 1592-1593, 1598-1599, 1601, 1603, 1606, 1608, 1611, 1614, 1617-1618, 1621-1622, 1625, 1629, 1631, 1633, 1639, 1644, 1646, 1649, 1652, 1654, 1662, 1665, 1677, 1681-1682, 1686, 1692, 1702-1703, 1706, 1712, 1715, 1720, 1722, 1724, 1726, 1729-1730, 1735-1736, 1738-1741, 1746, 1753, 1755-1756, 1758, 1760, 1764, 1769-1770, 1775, 1779, 1781, 1785-1788, 1790, 1792-1793, 1796, 1799-1800, 1810, 1812-1813, 1819-1821, 1823, 1825, 1827, 1834, 1836-1837, 1841, 1843, 1849-1850, 1855-1856, 1858, 1863, 1865-1866, 1870-1872, 1876, 1878, 1880, 1884, 1886-1889, 1892, 1897, 1901-1906, 1908-1909, 1911, 1914-1915, 1920, 1922, 1924, 1928, 1932, 1934, 1936-1937, 1939, 1943, 1946-1947, 1949-1950, 1954, 1956, 1964-1968, 1972, 1975, 1984-1986, 1988, 1990, 1992-1993, 1999, 2001, 2005-2006, 2008-2011, 2029-2030, 2039, 2044, 2046-2047, 2050, 2053, 2055, 2060, 2066, 2068-2072, 2074-2075, 2077, 2083-2084, 2086, 2088, 2092, 2094, 2098, 2101-2104, 2106, 2108-2109, 2111-2115, 2117, 2119, 2123, 2126-2127, 2132-2133, 2135, 2138, 2146, 2149-2151, 2154-2155, 2163, 2169-2171, 2181, 2183, 2190, 2192-2195, 2198, 2200-2202, 2204, 2206, 2208-2209, 2211-2212, 2215-2216, 2226-2227, 2229, 2231-2232, 2239, 2243-2245, 2248, 2250, 2252, 2261-2262, 2268, 2270-2271, 2273, 2275, 2280-2281, 2287, 2290-2291, 2293, 2295, 2297-2299, 2303-2304, 2315, 2325, 2327-2328, 2330
2331, 2335, 2337-2338, 2343, 2347, 2354, 2362, 2371-2372, 2376, 2378, 2380-2382, 2390, 2392, 2397-2398, 2401, 2403, 2406-2407, 2411-2412, 2415, 2422-2423, 2433, 2439, 2442-2445, 2448, 2452-2455, 2457, 2459, 2462, 2464, 2467-2472, 2479-2480, 2485-2487, 2489, 2491-2493, 2495, 2498-2499, 2503-2508, 2510-2513, 2515, 2518, 2520-2521, 2524-2525, 2528-2529, 2531, 2533, 2536-2537, 2543, 2550, 2554, 2556, 2558, 2560-2561, 2566-2568, 2584, 2593, 2595, 2600, 2602, 2608, 2610, 2612, 2616, 2618-2619, 2621, 2627, 2631-2634, 2638, 2641, 2644-2645, 2649, 2651, 2653, 2660, 2666, 2671, 2673, 2682, 2685, 2688-2689, 2695-2701, 2708-2709, 2714-2715, 2717-2719, 2723-2724, 2728-2729, 2731, 2736-2737, 2746, 2749, 2756-2758, 2762-2764, 2766, 2768-2770, 2772, 2774, 2786-2790, 2793, 2801, 2803, 2808-2810, 2816-2817, 2821, 2824, 2826, 2830-2832, 2836-2837, 2840, 2843-2845, 2847-2848, 2854, 2857-2858, 2861, 2865, 2870-2871, 2875, 2879, 2881, 2887-2889, 2892, 2894, 2897, 2903, 2905-2907, 2910, 2912-2915, 2917-2918, 2921-2924, 2936, 2939, 2941, 2944, 2947-2948, 2951, 2956-2960, 2966, 2968, 2970, 2973, 2976, 2979, 2982, 2987-2990, 2994, 2997-3000, 3002-3004, 3006, 3008-3010, 3012, 3014, 3019-3023, 3025, 3032-3033, 3037, 3039, 3041, 3043, 3046-3047, 3050, 3053-3054, 3060, 3062, 3064-3065, 3069, 3073, 3079-3080, 3085, 3088, 3090, 3092-3093, 3096, 3101-3103, 3107, 3114, 3116, 3121, 3124-3125, 3128-3129, 3131, 3138, 3145-3153, 3155-3156, 3161-3163, 3166, 3172, 3176, 3178, 3180, 3182-3183, 3186-3188, 3190, 3192, 3194-3196, 3200, 3202, 3204-3205, 3207, 3210, 3213-3214, 3216, 3219, 3227, 3229, 3231, 3234, 3237, 3243-3245, 3248, 3253, 3256, 3258, 3260-3261, 3267, 3269-3270, 3274, 3278, 3281-3283, 3285, 3290-3291, 3294, 3296-3297, 3302, 3311, 3313, 3315-3316, 3320, 3325, 3327, 3329-3330, 3332-3333, 3337, 3339-3342, 3355-3356, 3358, 3361, 3363-3364, 3366, 3372-3374, 3379, 3381-3383, 3387-3388, 3396, 3398, 3407, 3409, 3412-3413, 3418, 3420-3421, 3424, 3426-3428, 3431
3435, 3437-3440, 3443-3449, 3458, 3460, 3463-3466, 3471, 3475, 3477, 3479, 3483-3484, 3490, 3492, 3495-3496, 3504, 3508-3511, 3515, 3517-3519, 3521, 3523, 3528-3529, 3534-3535, 3538, 3541-3542, 3544, 3547-3548, 3552-3554, 3558-3559, 3566-3568, 3570-3571, 3576, 3582, 3585, 3587-3589, 3591-3592, 3597, 3600, 3604, 3606, 3611-3612, 3616-3618, 3620-3623, 3626-3627, 3632-3633, 3635-3636, 3639-3640, 3642, 3645, 3649, 3654, 3656, 3658, 3662, 3664-3666, 3673, 3677, 3684, 3690, 3701, 3712, 3714, 3716-3720, 3722, 3733, 3738, 3742, 3746, 3749-3750, 3752, 3757, 3761-3763, 3766-3767, 3772, 3774, 3777-3778, 3792-3795, 3801-3802, 3805, 3807, 3813, 3817-3818, 3830-3831, 3835-3836, 3839, 3843-3845, 3848, 3851-3852, 3855, 3860, 3864, 3866, 3868-3871, 3873, 3877-3879, 3881, 3891-3892, 3894, 3904-3905, 3910, 3912-3915, 3917-3920, 3922, 3924, 3927-3930, 3932-3933, 3935, 3939, 3944-3945, 3947, 3950, 3954, 3959-3962, 3965, 3970-3972, 3975, 3979, 3989-3990, 3992, 3999-4000, 4002, 4006-4007, 4012-4016, 4020, 4028, 4031, 4033, 4035, 4037, 4039, 4046-4047, 4049-4052, 4054-4056, 4059-4060, 4064-4066, 4068, 4081, 4083, 4085-4087, 4089, 4091, 4096-4098, 4103, 4108, 4111-4112, 4115, 4120, 4122-4125, 4129, 4131, 4134, 4137, 4139-4140, 4143-4145, 4147, 4152, 4155-4156, 4161, 4163, 4165-4169, 4173-4174, 4177-4182, 4185, 4191, 4197, 4200-4203, 4209, 4211, 4214, 4220, 4223, 4225-4226, 4229, 4231, 4233, 4236-4237, 4248, 4250-4251, 4255, 4259-4262, 4265, 4267, 4269-4271, 4273-4274, 4277, 4283, 4291, 4293, 4297-4299, 4303-4304, 4307, 4311-4313, 4319-4320, 4322-4323, 4331, 4333, 4346, 4351-4357, 4359, 4361-4363, 4367, 4373-4374, 4376, 4380, 4383-4386, 4388, 4390, 4392, 4396-4398, 4400, 4402, 4404-4405, 4410-4411, 4413, 4415-4416, 4418-4419, 4421-4422, 4433, 4436, 4439, 4443, 4445, 4447-4448, 4452, 4454-4455, 4457, 4465, 4470-4472, 4480-4482, 4485-4486, 4488, 4492, 4495-4497, 4499-4501, 4503, 4510, 4512, 4514-4516, 4518, 4522, 4525-4526, 4535, 4537, 4547, 4549, 4551
4553, 4556, 4558-4559, 4562, 4566, 4572-4574, 4579-4581, 4584-4587, 4590-4591, 4594, 4596-4597, 4600-4603, 4611-4613, 4615, 4624, 4627-4628, 4630-4633, 4636, 4642-4643, 4646-4647, 4650-4655, 4658-4659, 4665-4668, 4673-4675, 4679-4682, 4684-4686, 4688, 4690-4692, 4694-4698, 4700, 4704, 4713, 4716-4717, 4719, 4723, 4727, 4729-4730, 4733, 4738, 4740, 4742-4743, 4747, 4749, 4754, 4756-4757, 4765, 4767, 4780, 4790-4791, 4794, 4800, 4804
MALEATES: 587, 1234, 3679
MALEIMIDES: 2089-2090
MALIGNANT CARCINOID SYNDROME: 869, 4780
MALINGERING: 4366
MALONATES: 162, 632, 1673
MALPRACTICE: 4299
MALTOSE: 2668
MAMMAE: 1025, 1296, 1373, 1483, 1499, 1734, 1754, 1853, 1884, 2085, 2255, 2547, 2946, 3198, 3388, 3422, 3494, 3680, 3901, 3962, 3982, 3998, 4105
MAMMALS: 15, 96, 2399, 3833, 4510, 4678
MAMMARY CANCER VIRUS: 4357
MAMMARY NEOPLASMS, EXPERIMENTAL: 474,

497, 705, 822, 1295, 1670, 1853, 1991, 2043, 3193, 3353, 3494, 3657, 3863, 4177, 4638, 4662
MAMMILLARY BODIES: 267, 1107, 4291, 4647
MANDELIC ACID: 2443, 3351
MANDIBLE: 972, 4624
MANDIBULAR CONDYLE: 2826, 3909
MANDIBULAR DISEASES: 2301
MANDIBULAR NEOPLASMS: 622
MANDIBULOFACIAL DYSOSTOSIS: 3065
MANGANESE: 187, 710, 974, 1373, 1399, 1475, 1536, 2643, 2704, 2806, 3156, 3676, 3763, 3858, 3926, 4550
MANNITOL: 165, 684, 930, 2048, 2210, 3956, 4126, 4226
MANNOSE: 1526, 2041
MANOMETRY: 3191, 3810
MAREK'S DISEASE: 3843
MARRIAGE: 923, 2010, 3277, 4357
MARSUPIALIA: 1057, 2564, 4237
MASS SCREENING: 2420, 4244, 4802
MASS SPECTRUM ANALYSIS: 28-30, 294, 519, 908, 942, 1002, 1455, 1507, 1731, 1778, 1942, 2041, 2253, 2540, 2783-2784, 3061, 3414, 3503, 3611, 4256, 4602, 4805
MASSACHUSETTS: 3299, 4426
MASSAGE: 3740
MAST CELLS: 587, 2418, 2428, 2536, 2587-2588, 3142, 3215, 3612
MASTECTOMY: 1380, 4429, 4476
MASTITIS: 1258, 2937
MASTITIS, BOVINE: 452, 1062, 3574
MATERNAL AGE: 799, 2500, 2969, 2989, 3326, 3995
MATERNAL BEHAVIOR: 61, 2457, 3316, 3366, 3381
MATERNAL DEPRIVATION: 558, 2382, 3316
MATERNAL-FETAL EXCHANGE: 60, 69, 413, 598, 693, 721, 939, 1358, 1385, 1514, 1685, 1730, 1803, 1807, 1951, 1955, 2020, 2333, 2478, 2553, 2650, 2680, 2820-2821, 2859, 3046, 3271, 3348, 3457, 3507, 3623, 3668, 3705, 3758, 3814, 3962, 3972, 4023, 4058, 4141, 4288, 4438
MATERNAL HEALTH SERVICES: 1868
MATERNAL MORTALITY: 808
MATHEMATICS: 540, 971, 1165, 1499, 2084, 2174, 2206, 2389, 2662, 2734, 2782, 2871, 3825, 4004, 4215, 4254, 4289, 4485, 4543
MAXILLA: 4624
MAXILLARY NEOPLASMS: 2752, 3818, 4303
MAXILLARY SINUS: 1408, 2862
MAXILLOFACIAL DEVELOPMENT: 1069, 2825-2826
MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 2567
MEASLES: 46, 1339
MEASLES VACCINE: 2445
MEAT: 692, 2288, 3153, 3245
MECHLORETHAMINE: 1106, 1178-1179, 4111, 4762
MECONIUM 4248
MEDIAN NERVE: 1535
MEDIASTINAL DISEASES: 498, 2245, 4312
MEDIASTINAL NEOPLASMS: 479, 842, 1738, 2375, 3761, 3880
MEDIASTINUM: 2245, 4581
MEDICAL HISTORY TAKING: 306
MEDICAL RECORDS: 4766
MEDICATION ERRORS: 1661
MEDICINE IN ART: 4201
MEDROGESTONE: 1370, 4120
MEDROXYPROGESTERONE: 52, 378, 694, 2105, 3413, 3505, 4162, 4513, 4570
MEDULLA OBLONGATA: 77, 180, 238, 368, 506, 738, 772, 1231, 1856, 2452, 2758, 3023, 3047, 3155, 4076, 4124, 4232
MEDULLOBLASTOMA: 323, 675, 719, 3409, 4501
MEFENAMIC ACID: 162, 936
MEGESTROL: 120, 283, 4523
MEIGS' SYNDROME: 2356
MEIOSIS: 230, 913, 1158, 1205, 1867, 2077, 2685-2686, 3519, 4373, 4522, 4540, 4597
MELANIN: 323, 1913, 1948, 2442, 2557, 3945, 4585
MELANOCYTES: 2442, 2557, 4585
MELANOMA: 563, 1045, 2007, 2442, 2474, 4204
MELANOSIS: 4055
MELATONIN: 142, 536, 1948, 2104, 2177, 2529, 3131
MELENA: 708
MELENGESTROL: 473, 868
MELPHALAN: 115, 478, 1408
MEMBRANE POTENTIALS: 166, 266, 310, 370, 472, 749, 938, 1362, 1634, 1763, 1823, 2219, 2308, 2393, 2453, 2494, 2512, 2654, 2705, 3070, 3224, 3232, 3421, 4002, 4114, 4301, 4620, 4710
MEMBRANES: 215, 428, 579, 812, 1426, 1800-1801, 2018, 2704, 2867, 3936, 4282, 4440
MEMBRANES, ARTIFICIAL: 1174, 2985, 4289
MEMORY: 223, 1084, 2204, 2465, 4352
MEMORY DISORDERS: 2465
MEMORY, SHORT-TERM: 2465
MENARCHE: 2059, 2230, 2569, 3277, 4201, 4357
MENINGES: 323, 2267
MENINGIOMA: 101, 517, 615, 675, 719, 1520, 1719, 1729, 1930, 2319, 2366, 2594, 3149, 3152, 3214, 3373, 3409, 3640-3641, 3831, 4501, 4525
MENINGISM: 1871
MENINGITIS: 275, 762, 2448, 3314, 3467, 4252, 4316
MENINGITIS, HAEMOPHILUS: 129, 2448, 2995
MENINGITIS, MENINGOCOCCIC: 2448
MENINGITIS, PNEUMOCOCCAL: 2448, 4800
MENINGOCOCCAL INFECTIONS: 2801, 4498
MENINGOENCEPHALITIS: 1339
MENOPAUSE: 970, 1251, 1380, 1386, 1811, 1825, 2021-2022, 2297, 2569, 2742, 2776, 2855, 2874, 2923, 3086, 3098, 3251, 3389, 3487, 3536, 3684, 3744, 3844, 4091, 4094, 4349, 4357, 4551, 4568
MENOTROPINS: 70, 1498, 2019, 2296, 2389, 3753, 3913
MENSTRUATION: 9, 79, 120, 125, 216, 253, 283, 395, 398, 554, 697, 722, 752-755, 823, 1001, 1073, 1243, 1330, 1351, 1425, 1461, 1531, 1693, 1899, 1954, 2022, 2190, 2291, 2297, 2334, 2386, 2397, 2475, 2515, 2569, 2611, 2637, 2842, 3066, 3076, 3359, 3407, 3430, 3505, 3512, 3536, 3608, 3634, 3677, 3699, 3756, 3834, 3988, 4133, 4245, 4374, 4398, 4462, 4468, 4531, 4533, 4551, 4704, 4718
MENSTRUATION DISORDERS: 22, 826, 1073, 1286, 1693, 1825, 2105, 2199, 2230, 2793, 2855, 3038, 3272, 3480, 3756, 3815, 3882, 4093, 4377, 4531, 4551
MENTAL DISORDERS: 21, 189, 426, 715, 912, 1032, 1080, 1086, 1285, 1357, 1438, 1498, 1693, 2230, 2874, 3020, 3621, 3684, 3908, 3985, 4118, 4170, 4172, 4270, 4413, 4785
MENTAL PROCESSES: 3035
MENTAL RETARDATION: 2, 43, 67, 304, 386, 426, 477, 525, 558, 715, 745, 967, 1012, 1085, 1088, 1140, 1292, 1887, 2286, 2423, 3071, 3200, 3206, 3738, 3777, 3801, 3912, 3995, 4013, 4073, 4122, 4556, 4716
MEPERIDINE: 1084, 1335, 1412, 2706
MEPHENTERMINE: 4529
MEPHOBARBITAL: 2423, 3483
MEPROBAMATE: 538
MERCAPTOETHANOL: 2135, 2570, 4543
MERCAPTOPURINE: 148, 1095, 1105, 1436, 2617, 4730
MERCURIBENZOATES: 3927
MERCURY: 174, 1097, 3067, 3263, 4438
MERCURY ISOTOPES: 1097, 1340
MERCURY POISONING: 1097, 2200, 4438
MEROMYOSINS: 1757
MESCALINE: 443-444, 2304, 4444
MESENCEPHALON: 40, 180, 238, 250, 372, 491, 696, 738, 741, 772, 1142, 1798, 1858, 1928, 2143, 2327, 2473, 2550, 2799, 2915, 3102, 3155, 3178, 3289, 3461, 3580, 3757, 4076, 4145, 4232, 4664, 4674
MESENCHYMOMA: 4045
MESENTERIC ARTERIES: 87, 299, 334, 551, 2142, 2574, 3865, 3971, 4018, 4102, 4619
MESENTERIC VASCULAR OCCLUSION: 4102, 4267
MESENTERIC VEINS: 334, 1546, 2142
MESENTERY: 604, 3053, 4025
MESORIDAZINE: 2423
MESTRANOL: 694, 862, 1425, 1630, 1670, 2000, 2184, 2199, 2260, 2463, 3031, 3220, 3230, 3333, 3514, 3685, 3788, 4162, 4378, 4513, 4704
METABOLIC CLEARANCE RATE: 254, 290, 544, 975, 1021, 1127, 1144, 1269, 1527, 1755, 2093, 2767, 3231, 3676, 4237, 4288
METABOLIC DISEASES: 1031, 1438, 3659, 4688
METABOLISM: 614, 1330, 1572, 1877, 2412, 3186
METABOLISM, INBORN ERRORS: 437, 1040, 1353, 1443, 1554, 1925, 2087, 2127, 2163, 2289, 2317, 2942, 3762, 3801, 4244
METACARPUS: 1490, 2290, 2871, 3287, 3406
METAL METABOLISM, INBORN ERRORS: 3801
METALLOPROTEINS: 1770, 2816
METALS: 721, 4592
METAMORPHOSIS, BIOLOGICAL: 451, 1249, 1475, 1948, 2856, 2945, 2978, 3590, 3841, 4232, 4620
METAPLASIA: 196, 814, 3729
METARAMINOL: 42, 49, 296, 1685, 1982, 2176, 3967
METATARSUS: 2909, 3458, 3932
METHACHOLINE COMPOUNDS: 195, 1023, 1801, 2748, 3199, 4664
METHADONE: 42, 1372, 2769, 3927
METHANDROSTENOLONE: 395, 2413, 2485
METHANE: 1371, 1524, 4584
METHEMOGLOBIN: 3336
METHENOLONE: 1888
METHICILLIN: 3575
METHIMAZOLE: 1518, 1653, 2947, 3303, 3617, 3919, 4220
METHIONINE: 121, 654, 1374, 1620, 2025, 2422, 2553, 4327
METHODS: 28-29, 32, 36, 50, 65, 87, 92, 101, 105, 111, 113, 118, 124, 153, 178-179, 186, 191, 203, 208, 217, 219, 227, 259, 261, 272, 276, 296, 305, 315, 333, 357, 366, 375, 400, 406, 420, 426, 435, 457, 485, 504, 513, 515, 535, 564, 571, 599, 616, 636, 643, 702, 712-713, 723, 740, 757, 763, 772, 777, 793, 801, 809, 816, 868, 874, 884, 894-895, 901, 908, 914, 930, 937, 948-949, 965, 976, 996, 1001, 1005-1006, 1011, 1060, 1064, 1074, 1098, 1123, 1135, 1137, 1158, 1160, 1165, 1196, 1204, 1241, 1265, 1283, 1286, 1298, 1301, 1313, 1315, 1318, 1350, 1352, 1374-1376, 1384, 1393, 1402, 1421, 1447, 1455, 1512, 1517, 1539, 1543, 1569, 1582, 1589, 1610, 1619-1620, 1642, 1647, 1668, 1696, 1719, 1752, 1782, 1791, 1804, 1822, 1844, 1862, 1881-1882, 1890, 1911, 1916-1917, 1938, 1943, 1953, 1957, 1963, 1972, 1977, 1994, 1997, 2007, 2010-2011, 2013, 2023, 2031, 2057, 2061, 2064, 2082, 2084, 2094, 2110, 2121, 2159, 2181, 2230, 2237-2238, 2253, 2263, 2267, 2269, 2288, 2324, 2338, 2362, 2366, 2372, 2375, 2408, 2415-2416, 2420, 2426-2428, 2444, 2462, 2498, 2500, 2503, 2524, 2576, 2603, 2606, 2615, 2637, 2667, 2693-2694, 2708, 2712, 2767, 2770, 2782, 2785, 2798, 2833, 2856, 2860, 2887, 2900, 2917, 2943, 2950, 2952, 2962, 2979, 2981, 2983-2984, 3006, 3022, 3027, 3030, 3040, 3058, 3061-3062, 3072, 3074, 3077, 3085, 3089, 3099, 3109, 3118, 3128, 3179, 3182, 3185, 3202-3203, 3207, 3209, 3226, 3266, 3271, 3281, 3321, 3342, 3349-3350, 3355, 3368, 3385, 3399-3400, 3421, 3423, 3438, 3445, 3503, 3506, 3510, 3513-3514, 3523-3524, 3526, 3575, 3580, 3583, 3620, 3647, 3665-3666, 3693, 3703, 3706-3707, 3719, 3737, 3740, 3743, 3747-3749, 3763, 3774, 3783, 3790, 3797, 3817, 3823, 3825, 3836, 3857, 3890, 3903, 3906, 3930, 3956, 4018, 4033, 4084, 4133, 4146, 4186, 4192, 4199, 4209, 4228, 4242, 4247, 4254, 4256-4257, 4263, 4268, 4277, 4289, 4302, 4320, 4344-4345, 4347-4348, 4359-4360, 4374, 4389, 4402-4403, 4424-4425, 4429, 4449, 4451, 4453, 4502, 4528, 4544, 4551
4567, 4573, 4584, 4601, 4622, 4649, 4652, 4659, 4680-4681, 4696, 4743, 4774, 4781
METHOHEXITAL: 606, 4176
METHOTREXATE: 148, 408, 701, 830, 1010, 1190, 1660, 2218, 2405, 2617, 2689, 2711, 2925, 2935, 3212, 3217, 3257, 3278, 3552, 3578, 3866, 3917, 4107, 4375, 4535, 4703
METHOXAMINE: 1982, 2176, 2970, 4087
METHOXYFLURANE: 2132, 2759
METHOXYHYDROXYPHENYL GLYCOL: 3351
METHYL ETHER: 808, 1238, 1731, 2581, 2783, 2976, 3543, 3828, 3865, 4293, 4502
METHYL MERCURY COMPOUNDS: 4438
METHYLAMINES: 199, 1052-1054
METHYLATION: 9, 96, 199, 1261, 1615, 1731, 1741, 1767, 1942, 1953, 2041, 2428, 2746, 3274, 3368, 3423, 3434, 3817, 4488, 4605
METHYLCELLULOSE: 1402, 2918
METHYLCHOLANTHRENE: 294, 487, 676, 830, 2992, 3080, 3128
METHYLDOPA: 47, 143, 587, 2073, 2145, 2680, 3562, 3636
METHYLDOPAHYDRAZINE: 143, 2843
METHYLENE BLUE: 2360, 4231
METHYLHISTIDINE: 143
METHYLMETHACRYLATE: 702
METHYLPREDNISOLONE: 181, 227, 249, 488, 544-545, 645, 734, 744, 1178-1179, 1220, 1271, 1634, 2308, 2568, 2898, 3082, 3090, 3302, 3975, 4018, 4044, 4108, 4267, 4619, 4781

METHYLTESTOSTERONE: 3230, 3877
METHYLTHIOURACIL: 1681, 2280, 2485, 3869
METHYLTRANSFERASES: 199, 297, 681, 775, 953, 1261, 1557, 1822, 2069, 2104, 3203, 3274, 3323-3324, 3620, 4682
METHYLTYROSINES: 160, 250, 665, 735, 1261, 1398, 1412, 1647, 1793, 1981, 2098, 2974, 3088, 3492, 4076, 4124, 4310, 4527, 4758
METHYSERGIDE: 37, 84, 385, 646, 732, 888, 1099, 1525, 1571, 1574, 2102, 2350, 2561, 3601, 3824
METRONIDAZOLE: 1413
METRORRHAGIA: 1386
METYRAPONE: 297, 552, 672, 877, 927, 1082, 1101, 1671, 1943, 2113, 2915, 3202, 3473, 3867, 4651
MEVALONIC ACID: 1673, 2787
MEXICO: 38, 1414, 4122
MICE: 16-17, 32, 101, 114, 131, 140, 142, 144, 180, 182, 209, 241, 263, 298, 311, 342, 352, 362, 368, 380, 389, 429, 454, 462, 465, 497, 502, 530, 546, 562, 576, 586-587, 598, 600-601, 610, 630, 642, 662-663, 668, 676, 681, 689, 711, 763, 771, 776, 781, 791, 805, 819, 822, 843, 871, 906, 915, 929, 956, 986, 989, 1004, 1052-1054, 1059, 1081, 1084, 1086, 1097, 1139, 1152, 1156, 1217, 1231, 1233, 1276, 1287, 1297, 1335-1336, 1356, 1358, 1369, 1391, 1398, 1428, 1431-1432, 1448, 1460, 1473, 1502, 1513, 1532, 1556, 1569, 1571, 1598, 1608, 1614, 1617, 1621, 1670, 1688, 1692, 1736, 1752-1754, 1775, 1779-1780, 1787, 1790, 1793, 1808, 1834, 1842, 1851, 1867, 1884-1885, 1893, 1898, 1934, 1957, 1966, 2012-2013, 2043-2044, 2050, 2068, 2072, 2074, 2106, 2148, 2151, 2155, 2158, 2164, 2177, 2212, 2220, 2252, 2261, 2275, 2299, 2337, 2350, 2418, 2427-2429, 2442, 2457, 2460, 2466, 2469, 2474, 2554, 2556, 2575, 2612, 2628, 2643, 2696, 2705, 2736, 2739, 2756, 2764-2765, 2821, 2834, 2839, 2843, 2853, 2910, 2925, 2928, 2936, 2946-2947, 2950, 2973, 2992, 3031, 3046, 3110, 3121, 3133, 3154-3155, 3158, 3221, 3223, 3232, 3269, 3284, 3290, 3317, 3325, 3328, 3335, 3353, 3366, 3388, 3417, 3481, 3510, 3564, 3589, 3591, 3644, 3678, 3687, 3724, 3742, 3780, 3833, 3859, 3886-3887, 3895, 3901, 3909, 3922, 3961-3962, 3982, 3999, 4004, 4019, 4025, 4031, 4058, 4090, 4097, 4100, 4137, 4144, 4166, 4169, 4177, 4187, 4199, 4202, 4205-4207, 4214, 4351, 4444, 4455, 4476, 4484-4485, 4488, 4495, 4512, 4524, 4527, 4544, 4561, 4565, 4593, 4601, 4628, 4632, 4661-4662, 4687, 4703, 4706, 4715, 4741, 4792-4793
MICE, INBRED A: 93, 662-663, 1217, 1670
MICE, INBRED AKR: 82, 4207
MICE, INBRED BALB C: 681, 915, 1670, 1842, 3155, 3354, 3589, 3901, 4144, 4512
MICE, INBRED C3H: 82, 93, 676, 711, 771, 1217, 1670, 2043, 2299, 2946, 3126
MICE, INBRED C57BL: 771, 966, 1217, 1231, 1670, 1754, 1808, 2043, 2158, 2418, 2556, 2575, 2696, 2992, 3269, 3922, 4144, 4351, 4488, 4512, 4628
MICE, INBRED CBA: 82, 600, 915, 2575, 3589, 4741
MICE, INBRED DBA: 82, 2556, 2992, 4488
MICE, INBRED ICR: 711
MICE, INBRED NZB: 1598
MICE, INBRED STRAINS: 93, 101, 142, 144, 711, 763, 966, 1004, 1139, 1217, 1231, 1598, 1617, 1892, 1775, 2043, 2068, 2074, 2158, 2575, 2628, 2736, 2992, 3155, 3388, 3887, 4058, 4144, 4214, 4488, 4512, 4628
MICROBIAL SENSITIVITY TESTS: 1062, 1161, 3955-3956
MICROBODIES: 1303
MICROCEPHALY: 525, 1292, 1887, 2681, 3701
MICROCHEMISTRY: 1569, 1917, 2028, 2265, 3135, 3203, 3221, 3369, 3620, 4193, 4332, 4620
MICROCIRCULATION: 220, 1719, 1750, 2785, 2898, 3053, 3357, 3947
MICROELECTRODES: 1133, 2308
MICROINJECTIONS: 443, 2304, 3825, 4145, 4647
MICROMANIPULATION: 1882
MICROPORE FILTERS: 333, 2155, 3904
MICRORADIOGRAPHY: 196, 1468, 1595, 3452
MICROSCOPY: 1006-1007, 1411, 1806, 1973, 4522
MICROSCOPY, ELECTRON: 46, 56, 89, 124, 163, 166, 185, 233, 238, 285, 359, 362, 388, 411, 469, 477, 524, 579, 651, 707, 714, 814, 845, 852, 860, 864, 877-878, 954, 1039, 1047, 1057, 1071, 1100, 1112, 1154, 1168, 1194, 1206, 1228, 1248, 1273, 1303, 1411, 1462, 1465, 1469, 1516, 1560, 1598, 1624, 1689, 1735, 1750, 1806, 1879, 1922, 1952, 1955, 1973, 1984, 2005, 2065, 2095, 2128, 2133, 2152, 2196, 2285, 2300, 2307, 2419, 2442, 2460, 2536, 2563, 2578, 2607, 2682, 2698, 2714, 2735, 2849, 2916, 2931, 2933, 2958, 2971, 2978, 3012, 3014, 3103, 3108, 3158, 3248, 3312, 3344, 3388, 3402, 3464-3465, 3472, 3492, 3519, 3541, 3546, 3579, 3593, 3612, 3616, 3629, 3742, 3765, 3780, 3784, 3841, 3862, 3883, 3947, 4003, 4009, 4025, 4035, 4213, 4241, 4296, 4369, 4424, 4428, 4433, 4455, 4522, 4620, 4648, 4671, 4673, 4684, 4724, 4739
MICROSCOPY, ELECTRON, SCANNING: 556, 700, 2049, 2853, 3097, 3167, 3259
MICROSCOPY, FLUORESCENCE: 40, 238, 321, 354, 370, 598, 668, 835, 964, 1194, 1359, 1367, 1486, 1546, 1848, 1937, 1992, 2061, 2107, 2208, 3357, 3451, 3492, 3624, 4013, 4022, 4080, 4158, 4544, 4620
MICROSCOPY, INTERFERENCE: 3811
MICROSCOPY, PHASE CONTRAST: 1168, 1736, 3221, 3553, 4295, 4626
MICROSCOPY, POLARIZATION: 1220, 2537
MICROSOMES: 32, 87, 233, 297, 406, 916, 1266, 1426, 1493, 1583, 1962, 2005, 2015, 2018, 2274, 2411, 2431-2432, 2455, 2461, 2547, 2717-2719, 2811, 2964, 3060, 3178, 3208, 3437, 3470, 3472, 3613, 3728, 3765, 3798, 4105, 4194, 4230, 4272, 4381, 4520, 4602, 4673
MICROSOMES, LIVER: 294, 355, 449, 487, 532, 726, 729, 867, 991, 1227, 1303, 1336, 1356, 1507, 1622, 1731, 1984, 2455, 2698, 3080, 3178, 3414-3415, 3765, 3832, 4114, 4138, 4173, 4187
MICROSPHERES: 3055
MICROSPORUM: 1161, 2122
MICROSURGERY: 2026, 3488
MICROTOMY: 2170, 2610, 2770
MICROTUBULES: 1635, 1763, 2220, 2285, 3293, 3615, 3784, 4213, 4742
MICROWAVES: 1094, 2524, 2567, 2792, 3747
MIDDLE AGE: 2, 6, 9, 21-22, 35, 38, 44-45, 53, 59, 95, 98, 102, 109, 113, 117, 122, 127, 136, 141, 149, 154, 156, 172, 183, 189, 191-192, 197, 200-201, 210, 221, 229, 231-232, 242, 255, 271, 286, 296, 307-308, 333, 348, 357, 361, 364, 378-379, 394, 400, 412, 433, 435, 441, 446, 449, 453, 456, 461, 467, 480, 482, 495, 501, 514-516, 520, 550, 552, 560-561, 567-569, 581, 593-594, 597, 603, 606, 615-616, 618, 623, 649-650, 658, 664, 670-671, 675, 685, 719, 731, 739, 743, 751, 758, 762, 802, 824, 833-834, 841, 847, 850-851, 855, 858, 862, 869, 880, 882-883, 897, 899, 903-905, 912, 928, 930, 932, 951, 953, 955, 957, 970, 980-982, 984, 987, 989, 993, 1010, 1017, 1019, 1022, 1032, 1036, 1045, 1049, 1071, 1090, 1094, 1101-1102, 1113, 1120, 1125, 1145, 1148, 1150, 1160, 1166, 1183, 1185, 1193, 1210, 1213, 1224, 1228-1229, 1238, 1251, 1253, 1264, 1271, 1278, 1302, 1306, 1319, 1323, 1326-1327, 1331, 1365-1366, 1380, 1386, 1395, 1401, 1408, 1410, 1414, 1424-1425, 1438, 1440, 1457, 1472, 1477, 1517, 1521, 1544, 1548, 1562, 1597, 1599, 1603, 1611, 1625, 1642, 1678, 1703, 1706, 1711, 1729, 1733, 1735, 1744, 1752, 1755-1756, 1758, 1810-1811, 1821, 1825, 1831, 1836-1837, 1863, 1865, 1886, 1899, 1901, 1920, 1933, 1943, 1946, 1967, 1972, 1975, 1986, 1995, 2008, 2010-2011, 2021, 2048, 2054-2056, 2102, 2108-2109, 2112-2113, 2117, 2125-2126, 2137-2138, 2141, 2159, 2206, 2211, 2215, 2222, 2225, 2231, 2245, 2249-2250, 2273-2274, 2277, 2279, 2281, 2291, 2297, 2307, 2330-2332, 2339, 2343, 2361, 2373, 2378, 2380-2381, 2383-2384, 2398, 2402, 2420, 2422, 2435, 2460, 2464-2465, 2467-2468, 2481, 2483, 2485, 2490-2493, 2503, 2521, 2569, 2584, 2602, 2621, 2627, 2631-2634, 2638, 2645, 2649, 2671, 2673, 2682, 2687, 2691, 2694, 2700-2701, 2729, 2737, 2756-2757, 2763, 2771, 2774, 2776, 2787-2788, 2801, 2828, 2840, 2871, 2879, 2881, 2889, 2905, 2922-2923, 2951, 2956, 2963, 2979, 2993-2994, 2999, 3004, 3006, 3009-3010, 3013, 3019-3020, 3028, 3064, 3083, 3105, 3116, 3123, 3130, 3146, 3149, 3152, 3160-3162, 3165-3166, 3184, 3189-3190, 3196, 3213-3214, 3219, 3231, 3234, 3243, 3251-3252, 3261, 3270, 3277, 3280, 3286, 3291, 3296-3297, 3302, 3320, 3330-3332, 3334, 3339, 3358, 3363, 3372-3373, 3385, 3389, 3391, 3409, 3414, 3421, 3441, 3460, 3475, 3479, 3487, 3493, 3509, 3511, 3518, 3541-3542, 3547, 3552, 3567, 3569-3570, 3578, 3581-3582, 3597-3598, 3622, 3640, 3642, 3648, 3652, 3656, 3658-3659, 3665, 3685, 3714, 3737, 3750, 3761, 3763, 3777, 3805, 3829, 3839, 3844, 3850, 3854, 3857, 3864, 3866, 3889, 3892, 3907, 3910, 3918, 3920, 3928-3930, 3945, 3947, 3975, 3984, 3989-3990, 4006-4007, 4012, 4014-4015, 4047, 4049, 4057, 4065, 4068, 4085, 4089, 4091-4092, 4094, 4111-4112, 4121, 4143, 4149, 4160-4161, 4163, 4174, 4182, 4190, 4210, 4220-4221, 4223, 4225, 4229, 4245, 4255, 4261, 4291, 4307, 4312, 4319, 4323, 4333, 4343, 4349, 4352, 4357, 4366, 4383, 4386, 4394, 4396-4398, 4401, 4410, 4418, 4436, 4439, 4445, 4448, 4468, 4473, 4476, 4486, 4496, 4501, 4511, 4515, 4523, 4525, 4528, 4530, 4536, 4549, 4551, 4566, 4591, 4596, 4603, 4608, 4612, 4630, 4643, 4646, 4651-4652, 4655, 4666-4667, 4685, 4688, 4702, 4704, 4712, 4725, 4740, 4767, 4788
MIGRAINE: 84, 3601, 3830, 4378
MILITARY MEDICINE: 447, 1246, 3237
MILK: 788, 1273, 1508, 1666, 1734, 2085, 2217, 2255, 2295, 2404, 2426, 2806, 2885, 3046, 3233, 3311-3312, 3422, 3532, 3637, 3758, 4109, 4721, 4732
MILK, HUMAN: 125, 1274, 2400
MILK PROTEINS: 1487, 2404, 4721
MIMAE INFECTIONS: 768
MINERAL OIL: 1560
MINERALOCORTICOIDS: 266, 656, 1290, 1407, 2087, 2836, 2988, 3056, 3493, 3872
MINERALS: 780, 1311, 2486, 2806, 3676, 4395, 4545, 4668
MINK: 235, 1925, 1990, 2849
MINOXIDIL: 2073
MIOTICS: 3007
MITES: 3637
MITHRAMYCIN: 1036, 3916, 4790
MITOCHONDRIA: 36, 57, 69, 187, 362, 414, 471, 707, 814, 954, 1154, 1194, 1248, 1266, 1332, 1493, 1499, 1583, 1617, 1624, 1671, 1770, 1786, 1832, 1973, 2005, 2152, 2196, 2432, 2563, 2714, 2759, 2773, 2811, 2849, 2870, 2964, 3060, 3178, 3202, 3208, 3470, 3472, 3481, 3561, 3606, 3612-3613, 3700, 3765, 3784, 3798, 3862, 3874-3875, 4009, 4025, 4078, 4272, 4439, 4455, 4671, 4739
MITOCHONDRIA, LIVER: 284, 336, 674, 922, 1303, 1428, 1699, 1727, 1921, 1984, 2051, 2276, 2898, 2945, 3144, 3178, 3202, 3464, 3617, 3765, 3824, 4187, 4282, 4615
MITOCHONDRIA, MUSCLE: 674, 736, 1074, 2017, 2187, 2682, 3465, 4230, 4381
MITOCHONDRIAL CONTRACTION: 2051
MITOCHONDRIAL SWELLING: 1727, 1750, 2051, 2931, 4526
MITOGENS: 907, 2236
MITOSIS: 392, 553, 645, 749, 827, 849, 864, 917, 1024, 1164, 1168, 1184, 1435, 2055, 2077, 2472, 2609, 2711, 2800, 2948-2949, 2987, 3106, 3193, 3251, 3418, 3729-3730, 3944, 4036, 4100, 4327, 4408, 4500, 4522, 4627
MITRAL VALVE: 2381
MMPI: 106, 980
MODELS, BIOLOGICAL: 137, 310, 389, 414, 540, 626-627, 715, 837, 969, 1065, 1247, 1356, 1459, 1679, 1685, 1757, 2139, 2259, 2662, 2820, 3000, 3163, 3211, 3318, 3359, 3537, 3559, 3605, 3660, 4120, 4158, 4358, 4522, 4689, 4697
MODELS, CHEMICAL: 121, 1047, 1233, 1675, 2967, 3796, 4265, 4289, 4485, 4602
MODELS, NEUROLOGIC: 397, 1080, 4070
MODELS, STRUCTURAL: 680, 704, 972, 1768, 2411, 3796, 4289
MODELS, THEORETICAL: 44, 939, 1534
MOLAR: 2478, 3946
MOLASSES: 1762
MOLECULAR BIOLOGY: 335
MOLECULAR CONFORMATION: 626, 680, 983, 1582, 1628, 1680, 1696, 2753, 3741, 4289
MOLECULAR WEIGHT: 126, 213, 351, 669, 673, 978, 1077, 1163, 1296, 1337, 1373, 1399, 1405, 1444, 1579, 1620, 1639, 1721, 1723, 2128, 2735, 2767, 2821, 2878, 2891, 3023, 3132, 3235-3236, 3456, 3500, 3671, 3743, 3783, 3874-3875, 3982, 4061, 4105, 4120, 4348, 4538, 4543, 4568, 4599, 4631
MOLINDONE: 1492
MOLLUSCA: 37, 845, 1952, 1960, 3833, 4301, 4489
MOLYBDENUM: 556
MONGOLISM: 425, 799, 2164, 3021, 3065, 4765
MONGOLOID RACE: 2826, 4525
MONILIALES: 651, 3771, 3810
MONILIASIS: 291, 4498

MONILIASIS, CUTANEOUS: 132, 246, 1161, 2239, 2648
MONILIASIS, VULVOVAGINAL: 2476
MONITORING SYSTEMS: 3265
MONKEY DISEASES: 1601, 3818
MONKEYS: 47, 181, 245, 320, 460, 506, 536, 630, 700, 909, 939, 1150, 1269, 1297, 1492, 1580, 1563, 1601, 1604, 1612-1613, 1632, 1651, 1682, 1736, 1947, 2003, 2140, 2152, 2350, 2372, 2396-2397, 2427-2429, 2442, 2501, 2589, 2772, 2804, 2866, 2875, 3036, 3136, 3265, 3361, 3430, 3450, 3656, 3770, 3818, 3954, 3973, 4026, 4034, 4130, 4302, 4407, 4462, 4491, 4509, 4517, 4524, 4594, 4605, 4621-4622, 4647, 4758
MONOAMINE OXIDASE: 242, 321, 502, 852, 922, 953, 1285, 1310, 1699, 2732, 2966, 3202-3203, 3351, 4232, 4335, 4577, 4593
MONOAMINE OXIDASE INHIBITORS: 107, 299, 496, 630, 837, 1132, 1142, 1412, 1428, 1555, 1699, 2552, 3662, 3824, 3935, 3981, 4238, 4405, 4593, 4633
MONOCYTES: 3521, 4528
MONOSPORIUM: 3810
MONOTREMATA: 15, 4510
MORPHINANS: 438, 1227, 3927
MORPHINE: 42, 372, 438, 442, 538, 732, 998, 1519, 1590, 2959-2960, 3266, 3927, 4019, 4124, 4499
MORPHINE ADDICTION: 2769, 4499
MORPHOGENESIS: 2095, 3590
MORTALITY: 643, 2764, 4296, 4486, 4518
MOSAICISM: 172, 343, 554, 1140, 1205, 1211, 1308, 1760, 2060, 2164, 2794, 3205, 3210, 3587, 3851, 4131, 4134
MOSCOW: 271
MOTHER-CHILD RELATIONS: 4283
MOTIVATION: 1644, 2328, 2436, 3102, 3898, 4443, 4474-4475
MOTOR ACTIVITY: 61, 209, 241, 250, 562, 696, 909, 1142, 1662, 1928, 2002, 2066, 2192, 2533, 2843, 2959, 3173, 3757, 3972, 4064, 4166
MOTOR CORTEX: 2328, 2465, 3898, 4116, 4424
MOTOR NEURONS: 725, 1065, 3713
MOTOR SKILLS: 234, 559
MOUSE LEUKEMIA VIRUSES: 1598
MOUTH: 1259, 2192
MOUTH ABNORMALITIES: 3065
MOUTH DISEASES: 1089, 4514
MOUTH MUCOSA: 1211, 1359, 2208, 3205, 3551, 4116
MOUTH NEOPLASMS: 1591, 1663-1664, 3861
MOVEMENT: 334, 556
MOVEMENT DISORDERS: 200, 205, 909, 1728, 1928, 2895
MSH: 1948, 2065, 2557, 2953, 3113, 3240, 3608, 3671, 3799-3800, 3926, 4232, 4242-4243, 4539
MUCIN: 1321, 3226
MUCOPOLYSACCHARIDES: 94, 389, 541, 967, 1061, 1220, 1838, 2153-2154, 2635, 3071, 3909, 3939, 3948, 4005, 4330, 4589
MUCOPROTEINS: 1259
MUCORMYCOSIS: 291
MUCOUS MEMBRANE: 132, 864, 3733, 3765, 4060
MUCUS: 382
MULLERIAN DUCTS: 1950, 3433
MULTIENZYME COMPLEXES: 1066, 1170, 2548, 3874-3875, 4061, 4602
MULTIPLE MYELOMA: 478, 494, 1316, 3234, 4149, 4333, 4586
MULTIPLE SCLEROSIS: 1573, 2868, 3458, 3928
MUMPS: 357, 1586, 1655
MUMPS VIRUS: 357
MURAMIDASE: 1691, 1839, 2817, 4424, 4544
MUSCLE CONTRACTION: 49, 86, 118-119, 209, 269, 298, 464, 524, 582, 626-627, 640, 646, 805, 809-810, 823, 940, 1008, 1023, 1025, 1136, 1282, 1288, 1314, 1362, 1391, 1568, 1747, 1757, 1759, 1881, 1924, 2192, 2259, 2325, 2434, 2441, 2546, 2748, 2851, 2876, 2914, 3127, 3136, 3163, 3197, 3199, 3283, 3306, 3650, 3813, 3845-3846, 3923, 3978, 4029, 4039, 4041, 4113-4114, 4127, 4169, 4275, 4364, 4430
MUSCLE CRAMP: 778, 4593
MUSCLE DENERVATION: 1065, 1388, 2638
MUSCLE PROTEINS: 298, 1388, 1845, 1855, 2735, 2759, 3923, 4227, 4478
MUSCLE RELAXANTS, CENTRAL: 4088
MUSCLE RIGIDITY: 1489
MUSCLE, SMOOTH: 85-87, 524, 582, 626-627, 839, 882, 916, 940, 988, 1043, 1136, 1266, 1288, 1355, 1391, 1403, 1546, 1568, 1759, 1845, 1924, 1982-1983, 2359, 2431, 2578, 2679, 2741, 2748, 2876, 3127, 3159, 3197, 3199, 3266, 3306, 3351, 3865, 3923, 3946, 4002, 4039, 4169, 4427, 4577, 4613
MUSCLE TONUS: 87, 195, 809, 940, 1150, 1292, 1395, 1568, 1592, 1845, 2741, 3070, 3199, 3266, 3289, 4275
MUSCLES: 3, 34, 75, 221, 229, 256, 298, 311, 325, 446, 471, 507, 629, 710-711, 738, 769, 936, 938, 1025, 1065, 1076, 1121, 1128, 1154, 1225, 1249, 1266, 1316, 1324, 1345, 1388, 1395, 1440, 1506, 1590, 1651, 1665, 1723, 1770, 1779, 1845, 1855, 1921, 1960, 2018, 2075, 2083, 2192, 2270-2271, 2325, 2496, 2546, 2589-2590, 2682, 2695, 2734-2735, 2750, 2803, 2806, 2816, 2851, 2927, 3008, 3159, 3181, 3250, 3322, 3329, 3345, 3392, 3472, 3494, 3517, 3603, 3766, 3780, 3817, 3845-3846, 3871, 3947, 3962, 4061-4062, 4066, 4111, 4113-4114, 4127, 4147, 4167-4168, 4215, 4251, 4348, 4430, 4469, 4473, 4482, 4494, 4614, 4617, 4672-4673, 4682, 4709, 4739, 4769
MUSCULAR ATROPHY: 1065, 2200, 4075, 4765
MUSCULAR DISEASES: 453, 655, 1207, 1599, 1724, 2300, 2836, 3008, 3260, 3329, 3339, 3511, 3541, 4252, 4473
MUSCULAR DYSTROPHY: 298, 1065, 2300, 3065, 3573
MUSCULAR DYSTROPHY, ANIMAL: 3764, 4199
MUSHROOMS: 4697
MUSIC: 2101
MUSSELS: 1723
MUSTARD COMPOUNDS: 2268
MUTAGENS: 4423
MUTATION: 135, 179, 265, 389, 437, 448, 504, 681, 799, 1066, 1556, 1764, 1787, 1834, 1918, 2163, 2458, 2544, 2601, 3121, 3211, 3346, 3456, 3485, 3501, 3515, 3983, 4058, 4423, 4540, 4678
MYASTHENIA GRAVIS: 211, 361, 709, 1065, 1440, 1599, 1625, 2071, 2300, 3192, 4660
MYCOBACTERIUM: 642, 937
MYCOBACTERIUM BOVIS: 642, 676, 2881
MYCOBACTERIUM LEPRAE: 4137
MYCOBACTERIUM TUBERCULOSIS: 447
MYCOPLASMA: 2241, 4511
MYCOPLASMA LAIDLAWII: 2241
MYCOSES: 291, 641, 719, 1870
MYCOSIS FUNGOIDES: 3736
MYCOTOXINS: 4140, 4697
MYELIN SHEATH: 1567, 1777, 2891, 2931, 3593
MYELITIS: 2701
MYELOFIBROSIS: 2417, 3358
MYELOGRAPHY: 2568
MYELOMA PROTEINS: 1396
MYOBLASTOMA: 2141
MYOCARDIAL DEPRESSANTS: 2508
MYOCARDIAL DISEASES, PRIMARY: 2496
MYOCARDIAL DISEASES, SECONDARY: 3234, 3549, 4056
MYOCARDIAL INFARCT: 210, 455, 1401, 1407, 1682, 2175-2176, 2291, 2905, 3116, 3391, 3579, 4252
MYOCARDITIS: 1598
MYOCARDIUM: 39, 199, 288, 297, 299, 312, 388, 455, 503, 598, 674, 736, 931, 1002, 1025, 1089, 1121, 1209, 1316, 1345, 1506, 1557, 1565, 1621, 1639, 1665, 1699, 1770, 1787, 1959-1960, 2017, 2035, 2083, 2132, 2187, 2223, 2258-2259, 2432-2433, 2496, 2518, 2545, 2676, 2678, 2695, 2709, 2720, 2759, 2767, 2813, 2870, 2933, 2952, 3163, 3195, 3202, 3204, 3291, 3318, 3372, 3392, 3465, 3494, 3579, 3609, 3614, 3636, 3659, 3780, 3784, 3865, 4041, 4140, 4147, 4167, 4227, 4251, 4272, 4381, 4428, 4469, 4478, 4545, 4614, 4672, 4682, 4710, 4725
MYOCLONUS: 1558
MYOFIBRILS: 312, 1065, 3008, 3465, 3616
MYOGLOBIN: 1651
MYOGLOBINURIA: 2300
MYOGRAPHY: 221, 2325
MYOPIA: 3124, 4394
MYOSIN: 312, 1565, 1639, 1757, 2017, 3774, 3784
MYOSITIS: 453, 1242, 1598, 2225, 2300, 3291, 3712
MYOSITIS OSSIFICANS: 389
MYOTONIA: 1065
MYOTONIA ATROPHICA: 2894, 2944
MYRINGOPLASTY: 4280
MYXEDEMA: 317, 747, 794, 934, 1119, 1255, 1283, 1338, 1547, 2230, 2701-2702, 2894, 3309, 3541, 3848, 4106, 4342
MYXOMYCETES: 1462, 2178-2179, 2530, 2601, 2605, 3501
MYXOVIRUS: 4473

N

NAD: 213, 355-356, 1067, 1324, 2547, 3470, 3700, 3784, 3798
NADH, NADPH OXIDOREDUCTASES: 336, 487, 3561, 3869
NADP: 262, 264, 297, 355, 1067, 1955, 2547, 2717-2718, 2780, 2865, 3313, 3345, 3405, 3414, 3470, 3700, 4123, 4654
NAIL-PATELLA SYNDROME: 3471
NAILS: 132, 1987, 2600, 2846
NAILS, MALFORMED: 6, 1987, 2216
NALORPHINE: 42, 3927
NALOXONE: 3927, 4064, 4124, 4499
NANDROLONE: 35, 395, 1431-1432, 1897, 3130, 3251, 3423, 3732, 3817, 3903, 4188
NAPHTHALENES: 209, 718, 807-808, 2414, 4289, 4615
NAPHTHOLS: 3144
NAPHTHOQUINONES: 3144
NAPHTHYRIDINES: 1391
NARCISSISM: 2101, 2229
NARCOTICS: 42, 2345, 3601
NASAL MUCOSA: 988, 1022, 4269
NASOPHARYNGEAL DISEASES: 2629
NASOPHARYNX: 3488
NATRIURESIS: 150, 2129-2130, 2221, 2358-2359, 2440, 2615, 3147, 3340, 3390, 3872
NAUSEA: 1881, 2267, 3255, 3367, 3619, 3650, 4560
NECK: 2645, 2852, 4342
NECK NEOPLASMS: 520, 3880, 4045
NECROSIS: 123, 252, 604, 1356, 1652, 1750, 1920, 2326, 2682, 3458, 4068, 4148, 4214, 4381, 4758
NEEDLES: 276, 3085
NEGROES: 923, 3056
NEGROID RACE: 566, 719, 2882, 2905, 3160
NEISSERIA GONORRHOEAE: 3994
NEISSERIA MENINGITIDIS: 2995
NEMATODA: 110, 3833, 4739
NEMATODE INFECTIONS: 1601, 3818, 4082
NEOMYCIN: 281, 448, 452, 1220, 2648, 4055, 4267
NEOPLASM METASTASIS: 73, 98, 175, 191, 255, 278, 378, 408, 479, 484, 550, 603, 615, 666, 675, 719, 771, 827, 869, 883, 905, 918, 975, 982, 984, 1010, 1017, 1032, 1049, 1071, 1229, 1488, 1520, 1591, 1679, 1719, 1729, 1737, 1819, 1826, 2021, 2029, 2071, 2125, 2244, 2319, 2366, 2389, 2392, 2466, 2616, 2691, 2752, 2756, 2951, 2993, 3217, 3257, 3261, 3270, 3330, 3393, 3409, 3578, 3726, 3745, 3831, 3864, 3912, 4057, 4094, 4121, 4188, 4204, 4236, 4445-4446, 4464, 4511, 4515, 4525, 4534-4535, 4757, 4767, 4790-4791
NEOPLASM PROTEINS: 484, 645, 760, 1664, 1678, 2389
NEOPLASM RECURRENCE, LOCAL: 192, 527, 2405, 2836, 2951, 3523, 3560, 4204
NEOPLASM REGRESSION, SPONTANEOUS: 563
NEOPLASM TRANSPLANTATION: 101, 374, 600, 676, 771, 1991, 2155, 3172, 4155, 4177, 4207
NEOPLASMS: 78, 114, 131, 211, 563, 1316, 1341, 1415, 1578, 1670, 1684, 1818, 2094, 2164, 2291, 2340, 2351, 2439, 2582, 2658, 2699, 3118, 3238, 3352, 3388, 3402, 3523, 3557, 3758, 3818, 4303, 4333, 4496, 4746, 4757
NEOPLASMS, CONNECTIVE TISSUE: 2658
NEOPLASMS, EMBRYONAL AND MIXED: 3946
NEOPLASMS, EXPERIMENTAL: 100, 131, 392, 600, 622, 637, 1141, 1373, 1392, 1665, 1670, 1679, 1930, 2582, 2719, 3046, 3126, 4155, 4205, 4345, 4494
NEOPLASMS, MULTIPLE PRIMARY: 286, 603, 1238, 2600, 3164, 3581, 4050, 4780
NEOPLASMS, NERVOUS TISSUE: 675, 2007, 2658
NEOPLASMS, RADIATION-INDUCED: 1564, 1808, 3912, 4788
NEOPLASMS, VASCULAR TISSUE: 2007, 2658
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 761, 1010, 1071, 1253, 1605, 2133, 2451, 3518, 3883, 4314, 4536
NEOSTIGMINE: 195, 361, 499, 995, 1181, 1599
NEPHRECTOMY: 204, 346, 739, 776, 886, 1084, 1290, 1439, 1740, 2535, 2971, 3229, 3363, 3542, 3568, 3658, 4024, 4089, 4451
NEPHRITIS: 739
NEPHRITIS, INTERSTITIAL: 3562, 3821
NEPHROBLASTOMA: 1631, 3258

NEPHROCALCINOSIS: 2849, 2660
NEPHRONS: 1021, 2129, 2615, 3229, 3655, 4723
NEPHROSCLEROSIS: 2163, 4190
NEPHROSIS: 480, 3379, 3496
NEPHROSIS, LIPOID: 751, 1879
NEPHROTIC SYNDROME: 139, 197, 295, 761, 1228, 1879, 2380, 2449, 3374, 3383, 3474, 3489
NERVE COMPRESSION SYNDROMES: 3373, 4342
NERVE DEGENERATION: 157, 304, 372, 446, 835, 1454, 1550, 1937, 3047, 3110, 3461, 4594
NERVE ENDINGS: 438, 1138, 1465, 1519, 1741, 2933, 3404, 4305, 4440
NERVE FIBERS, MYELINATED: 472, 3973
NERVE GROWTH FACTOR: 354, 776, 1233, 1672, 1775, 3235, 3615
NERVE REGENERATION: 1172, 2625-2626
NERVE TISSUE: 1135, 2656
NERVE TISSUE PROTEINS: 645, 953, 1163, 1403, 1482, 2015, 2327, 2459, 2493, 2891, 3023, 3461, 4733, 4798
NERVOUS SYSTEM: 614, 782, 3088, 3134
NERVOUS SYSTEM DISEASES: 236
NESTING BEHAVIOR: 61, 1644, 2457, 3366, 3381
NEURAL CONDUCTION: 76, 304, 423-424, 798, 1133, 1454, 1535, 2638
NEURAL INTERCONNECTIONS: 491, 493, 562, 879, 1133, 1454, 1572, 2368, 2866, 2982, 2996, 3043, 3047, 3114, 3250, 3461, 3940, 4070, 4594
NEURAL TRANSMISSION: 103, 128, 238, 370, 491, 585, 742, 781, 835, 879, 1139, 1459, 1473, 1519, 1573, 1786, 2188, 2303, 2996, 3101, 3232, 3247, 3301, 3404, 3492, 3985, 4175, 4218, 4310
NEURALGIA: 561, 2493
NEURAMINIC ACIDS: 1321, 1444, 1838, 2034, 2111, 2280, 2655, 2704, 3023, 3031, 3356, 3675, 4207, 4506, 4670, 4719
NEURAMINIDASE: 811, 907, 1259, 1482, 2655, 2704, 3522, 3998, 4670
NEURILEMMOMA: 101, 615, 719, 850, 1719, 1930, 3409, 3831, 4501, 4525
NEURITIS: 561, 2656
NEUROBLASTOMA: 563, 1238, 1358, 1556, 1631, 1930, 2007, 2319, 2853, 3232
NEUROCIRCULATORY ASTHENIA: 1720, 3550
NEURODERMATITIS: 3397, 3551
NEUROEFFECTOR JUNCTION: 940, 2651
NEUROFIBROMA: 675, 1192
NEUROFIBROMATOSIS: 541, 759, 2852, 3950
NEUROGLIA: 159, 1172, 1358, 1567, 1952, 2853, 4348, 4435
NEUROHUMORS: 37, 953, 1282, 1398, 1573, 3708, 3985, 4218, 4637
NEUROLEPTOANALGESIA: 1181, 2279, 4700
NEUROLOGIC EXAMINATION: 2766
NEUROLOGIC MANIFESTATIONS: 189, 1438, 1558, 2430, 2448, 2793, 3518, 3544, 3655, 4164, 4418, 4600
NEUROMA: 236, 3733, 4421
NEUROMUSCULAR DEPOLARIZING AGENTS: 837, 1139, 2852, 4113, 4215, 4444
NEUROMUSCULAR DISEASES: 235, 1065, 3713, 4175, 4576
NEUROMUSCULAR JUNCTION: 221, 1362, 1599, 2546, 2651-2652, 4169, 4648
NEUROMUSCULAR SPINDLES: 4075
NEURONS: 63, 76-77, 218, 442-444, 472, 506, 562, 630, 798, 835, 878, 909, 1133, 1143, 1198, 1234, 1358, 1612-1613, 1741, 1761, 1937, 1952, 2188, 2226, 2262, 2303, 2306, 2346, 2442, 2459, 2473, 2487, 2546, 2701, 2714, 2924, 2933, 3101-3102, 3135, 3159, 3224, 3250, 3349, 3553, 3624, 3778, 3942, 3973, 3980, 4232, 4434-4435, 4674
NEURONS, AFFERENT: 3385, 4390
NEURONS, EFFERENT: 1550
NEUROPHYSINS: 3050, 3294, 4787
NEUROPHYSIOLOGY: 4358
NEUROSECRETION: 1717-1718, 2625, 3129, 3401, 3942, 4342, 4637
NEUROSECRETORY SYSTEMS: 159, 198, 411, 469, 1718, 2625-2626, 2924, 3103, 4637
NEUROSES: 980
NEUROSES, ANXIETY: 1019
NEUROSPORA: 3803
NEUROSPORA CRASSA: 3803, 4540
NEUROSYPHILIS: 3458
NEUTRALIZATION TESTS: 2232, 3304, 4441, 4670, 4705
NEUTRONS: 1756, 2609, 3403, 3452
NEUTROPHILS: 484, 586, 1378, 2239, 2331, 3920, 4333, 4400, 4528, 4599
NEVUS: 2923
NEVUS, PIGMENTED: 2449
NEW YORK CITY: 89, 314
NEW ZEALAND: 3934, 4596
NEWCASTLE DISEASE VIRUS: 642
NIALAMIDE: 835, 1398, 1937, 1992, 2107, 3448, 3492, 4405
NICKEL: 2806, 3447, 4545
NICOTINAMIDE: 1233, 1324, 4488
NICOTINE: 582, 646, 1023, 1759, 2367, 2546, 2551, 2748, 3961, 4169
NICOTINIC ACID: 77, 285, 393, 476, 936, 1324, 3327
NICTITATING MEMBRANE: 1314, 2337, 2651
NIDATION: 342, 473, 633, 697, 864, 1020, 1024, 1053-1054, 1156, 2283, 2333, 2564, 2808, 2973, 3675, 3709, 4245, 4632
NIEMANN-PICK DISEASE: 2290
NIGERIA: 21, 2260, 3066, 3091, 4778
NITRATES: 572, 872, 2089, 2530, 4417, 4629
NITRAZEPAM: 4665
NITRILES: 1303, 1608, 2268, 3396, 4165, 4502
NITRO COMPOUNDS: 1233, 1371, 1487, 3029, 3067, 3920, 4120, 4528
NITROBENZENES: 657, 1233-1234, 1379, 1448, 4555
NITROFURANS: 83, 97
NITROFURANTOIN: 1190, 3577
NITROFURAZONE: 1356
NITROGEN: 298, 788, 794, 1186, 1487, 2170, 2404, 2524, 2950, 3157, 3406, 3532, 4190, 4239
NITROGEN ISOTOPES: 1487, 4239
NITROGEN MUSTARD COMPOUNDS: 1435, 2218, 2331, 3866
NITROPHENOLS: 1336, 1608, 1726, 4620, 4669
NITROSAMINES: 830, 1141, 1679, 1684, 3758, 4345
NITROSOUREA COMPOUNDS: 392, 1930
NITROUS OXIDE: 3161, 4387, 4592
NOCARDIA: 2349
NOCARDIA ASTEROIDES: 2349
NOCARDIA INFECTIONS: 1145, 2381
NOISE: 61, 1108
NOMENCLATURE: 389, 790, 827, 1305, 1563, 3833, 4250
NOREPINEPHRINE: 47, 49, 63, 77, 81, 103, 128, 140, 143, 222, 233, 238, 299, 332, 367, 370, 372, 415, 438, 442-444, 446, 457, 489, 503, 568, 575-577, 579, 582, 598, 646, 665, 725, 735, 767, 772, 775, 785, 810, 835, 882, 916, 936, 940, 953, 956, 961-962, 1014-1015, 1023, 1058, 1084, 1104, 1132, 1162, 1234-1235, 1238, 1268, 1282, 1355, 1412, 1442, 1459-1460, 1472-1473, 1504, 1525, 1546, 1558-1557, 1565, 1568, 1571, 1573, 1576, 1621, 1643, 1646, 1662, 1707, 1741-1742, 1759, 1775, 1786-1787, 1793, 1801, 1847-1848, 1877, 1914-1915, 1917, 1928, 1937, 1959-1960, 1968, 1981-1982, 2007, 2066, 2068, 2098, 2104, 2107, 2123, 2145, 2168, 2176, 2258-2259, 2271, 2299, 2303, 2350, 2480, 2482-2483, 2489, 2546, 2551, 2574, 2584, 2607, 2654, 2657, 2670, 2695, 2706, 2748, 2778, 2813, 2815, 2843, 2870, 2906-2908, 2914, 2932, 2959-2960, 3030, 3063, 3076, 3088, 3102, 3114, 3215, 3232, 3242, 3266, 3274, 3285, 3300-3301, 3323-3324, 3351, 3404, 3410, 3443, 3504, 3624, 3708, 3751, 3757, 3774, 3865, 3908, 3954, 3981, 3985, 4064, 4076, 4086-4087, 4098, 4124, 4166, 4218-4219, 4266, 4273, 4305, 4313, 4350, 4384, 4405, 4421, 4440, 4454, 4491, 4508, 4527, 4529, 4563, 4565, 4577, 4647-4648, 4674, 4713, 4725, 4758
NORETHINDRONE: 279, 694, 828, 857, 862, 1425, 2184, 2260, 2293, 3042, 3514, 3607, 3685, 3732, 3788
NORETHYNODREL: 458, 705, 1670, 2184, 2463, 3514, 4162, 4378
NORGESTREL: 1042, 1330, 2260, 3732, 3756, 3788, 4110
NORMETANEPHRINE: 49, 367, 882, 1014, 1235, 1238, 1460, 2720, 3351, 4086-4087
NORMETHANDROLONE: 2411
NORSTEROIDS: 1053, 1713, 3877, 3997
NORSYNEPHRINE: 199, 1352, 3323
NORTH AMERICA: 2569, 3056
NOSE: 1022, 1429, 1859, 2629, 4280
NOSE DEFORMITIES: 2629
NOSE DISEASES: 2629, 4471
NOVA SCOTIA: 3441
NUCLEAR MAGNETIC RESONANCE: 656, 942, 1047, 1509, 1616, 2075, 2253, 3144, 3378, 3503, 3592, 3897, 4276
NUCLEIC ACID DENATURATION: 451, 1475, 1505, 2128
NUCLEIC ACID HYBRIDIZATION: 1337
NUCLEIC ACIDS: 1247, 3016, 3290
NUCLEOPROTEINS: 2106, 3016
NUCLEOSIDES: 1505
NUCLEOTIDASES: 916
NUCLEOTIDES: 273, 1315, 1505, 2223, 2360, 2469, 2867, 4063
NUCLEOTIDYLTRANSFERASES: 1482
NURSERIES: 1638
NUTRITION: 303, 1069, 1274, 1527, 3507, 3586, 3754, 4023, 4053
NUTRITION DISORDERS: 2, 23, 727, 803, 1833, 2743-2745, 2820, 2863, 3507, 3586, 3654, 3764, 3972, 4073, 4283, 4737, 4782, 4794, 4796
NUTRITION SURVEYS: 1703
NUTRITIONAL REQUIREMENTS: 1069, 2404, 2740
NYSTATIN: 291, 592, 2648

O

OBESITY: 40, 45, 142, 144, 248, 727, 803, 811, 827, 1116, 1418, 1513, 1704, 1712, 1900, 1958, 2163, 2230, 2511, 2661, 2677, 2725, 2829, 3006, 3064, 3200, 3391, 3585, 3999, 4045, 4283, 4291, 4307, 4342, 4491, 4628, 4793, 4799
OBESITY IN DIABETES: 1361, 3064, 3282, 3839
OBJECT ATTACHMENT: 2101
OBSTETRICS: 2010
OCCIPITAL LOBE: 953, 1558, 3898, 4076
OCCLUSIVE DRESSINGS: 1125, 1393
OCCUPATIONAL DISEASES: 1808
OCHRATOXINS: 4140
OCHRONOSIS: 3602
OCTOPUS: 37, 1960, 4301
OCULOMOTOR MUSCLES: 957, 2638
OCULOMOTOR NERVE: 2638
OCULOMOTOR PARALYSIS: 4233
ODONTOBLASTS: 2062
ODONTOGENESIS: 71, 4284
ODONTOGENIC TUMOR: 2862
ODONTOMETRY: 1159
ODORS: 692, 1594, 1934, 2910
OILS: 371, 971, 1274, 3420, 4162, 4309
OINTMENTS: 409, 628, 971, 1393, 1447, 1560, 3688, 4366, 4514, 4622
OLEIC ACID: 1171, 2085, 2241, 2547, 3976, 4460
OLFACTORY BULB: 323, 1246, 1287, 2933, 3129, 3365, 3580, 3591
OLFACTORY NERVE: 3129, 3365
OLFACTORY PATHWAYS: 1550, 3365
OLIGODENDROGLIOMA: 675, 1729, 1930, 2594, 3409, 4501
OLIGOMYCIN: 736, 3191, 4002
OLIGONUCLEOTIDES: 2675, 3808
OLIGOPEPTIDES: 773, 1018, 1480, 1842, 3926, 4697
OLIGOSACCHARIDES: 1701
OLIVOMYCIN: 3336
OMENTUM: 224, 797, 1038, 2428
ONCOGENIC VIRUSES: 79, 131, 2419, 4241, 4357
ONIUM COMPOUNDS: 1699
ONTARIO: 4013
OOPHORITIS: 2021
OPERATIONS RESEARCH: 939
OPERON: 265, 688, 2967, 3485, 4144, 4478
OPHTHALMIA: 2384
OPHTHALMIA, SYMPATHETIC: 3297
OPHTHALMIC ARTERY: 850
OPHTHALMIC NERVE: 1150
OPHTHALMIC SOLUTIONS: 1552, 2812, 3226
OPHTHALMOSCOPY: 477, 2844
OPOSSUMS: 2427, 2866
OPTIC ATROPHY: 1177, 1381, 2844, 4372
OPTIC CHIASM: 377, 953, 3373, 3523, 3973, 4291
OPTIC LOBE: 1960, 2024
OPTIC NERVE: 709, 953, 1183, 2771, 3081, 3523, 4394, 4507
OPTIC NEURITIS: 2701, 2771
OPTICAL ROTATION: 1509, 1628, 1751, 1942, 3423, 3817
OPTICAL ROTATORY DISPERSION: 1509, 2891
OPTICS: 2453
ORAL HEALTH: 1069, 1159
ORAL MANIFESTATIONS: 62, 2189, 4624
ORBIT: 113, 191, 957, 2225, 2904
ORBITAL NEOPLASMS: 113, 191, 850, 1930, 2904
ORCHITIS: 123, 357
ORCIPRENALINE: 176, 1940, 2441, 2914, 3702, 4761
ORGAN CULTURE: 749, 1167, 1480, 1549, 1841, 1862, 1950, 2064, 2104, 2564, 2614, 2636, 2765,

2856, 2911, 3015, 3353-3354, 3455, 3787, 3904, 4411, 4508, 4565, 4715
ORGAN SPECIFICITY: 1225, 1373, 1665, 1726, 1855, 1974, 2069, 2106, 2252, 2428, 2458, 2547, 2567, 2903, 2939, 3348, 3865, 3979, 4298, 4555, 4631
ORGAN WEIGHT: 12, 20, 83, 116, 130, 145, 182, 190, 268, 311-312, 315, 346-347, 350, 352, 406, 543, 555, 625, 631, 665, 791, 806-807, 818, 910-911, 921, 929, 1070, 1189, 1236, 1273, 1292, 1303, 1320, 1370, 1388-1389, 1404, 1437, 1506, 1558, 1584, 1581, 1588, 1614, 1690, 1708, 1736, 1780-1782, 1812, 1858, 1885, 1978, 2052, 2058, 2149-2150, 2177, 2293, 2305, 2325, 2374, 2413, 2472, 2479, 2507, 2509, 2553, 2571, 2580, 2670, 2698, 2746, 2839, 2865, 2897, 2997, 3022, 3031, 3044-3045, 3079-3080, 3125, 3181, 3188, 3194, 3240, 3246, 3271, 3274, 3315-3316, 3408, 3463, 3484, 3496, 3591, 3617, 3645, 3689, 3710, 3722, 3767, 3814, 3845-3846, 3860, 3867, 3960, 3987, 3972, 3997, 4035-4036, 4046, 4083, 4097, 4136, 4139, 4165, 4177, 4271, 4285, 4293, 4454, 4470, 4499-4500, 4510, 4524, 4537, 4613, 4632, 4653, 4719, 4722, 4727, 4798
ORGANIZATION AND ADMINISTRATION: 3934, 4764
ORGANIZATIONS: 4766
ORGANOIDS: 69, 845, 1750, 4213, 4540
ORGANOMETALLIC COMPOUNDS: 887
ORGANOPHOSPHORUS COMPOUNDS: 404, 1508, 1723, 2437
ORGASM: 2634
ORIENTATION: 61, 234, 397, 2204
ORNITHINE: 1448, 1569, 2025, 2618, 3498
OROTIC ACID: 682, 891, 1388, 1493, 2696, 2990, 4376
ORTHOPEDIC FIXATION DEVICES: 556, 4325, 4387
ORTHOPEDICS: 74, 541, 2292
OSMIUM: 3247
OSMOLAR CONCENTRATION: 290, 472, 511, 684, 697, 872, 919, 1022, 1055, 1299, 1301, 1355, 1426, 1612-1613, 1628, 1663, 1675, 1751, 1908, 1974, 2089, 2210, 2221, 2226, 2298, 2453, 2542, 2735, 2804, 2867, 2889, 2891, 3524, 3731, 3874, 4114, 4227, 4282, 4492, 4637
OSMOSIS: 2209, 3133, 3168, 3227, 3292, 4213
OSMOTIC FRAGILITY: 1418, 2567
OSMOTIC PRESSURE: 684, 958, 1280, 3586, 3963
OSSIFICATION, PATHOLOGIC: 2330
OSSIFICATION, PHYSIOLOGIC: 1318, 2460, 3834
OSTEITIS DEFORMANS: 404, 560, 1036, 3261, 4790
OSTEITIS FIBROSA CYSTICA: 1278, 1755
OSTEOARTHRITIS: 518, 3750, 3910, 4148, 4756
OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC: 3458
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 2779, 3848
OSTEOBLASTS: 2460
OSTEOCHONDRITIS: 3458
OSTEOCLASTS: 889, 932
OSTEOCYTES: 1003, 2231
OSTEOGENESIS: 1003
OSTEOGENESIS IMPERFECTA: 594, 4329
OSTEOLYSIS, ESSENTIAL: 2029
OSTEOMALACIA: 95, 112, 303, 522, 899, 1048, 1703, 1755, 1892, 2330, 2800, 2716, 2775, 3160, 3509, 3581, 3932, 3965, 4050, 4356, 4409, 4775
OSTEOMYELITIS: 879, 2301, 2381
OSTEOPETROSIS: 1177, 1809
OSTEOPOROSIS: 48, 95, 516, 560, 660, 708, 897, 920, 925, 994, 1028, 1048, 1090, 1213-1214, 1251, 1408, 1468, 1495, 1530, 1603, 1716, 1756, 2029, 2206, 2238, 2254, 2264, 2353, 2385, 2538, 2662, 2708, 2729, 2737, 2871, 3160, 3231, 3234, 3261, 3287, 3432, 3458, 3622, 3775, 3892, 4149, 4190, 4323, 4409, 4448, 4792
OSTEORADIONECROSIS: 3547, 3596
OSTEOSCLEROSIS: 494, 2775
OSTEOTOMY: 556
OTITIS: 2629
OTORHINOLARYNGOLOGY: 3488
OTOSCLEROSIS: 206, 2446, 3369, 3488
OUABAIN: 592, 1139, 1146, 1195, 1298, 1590, 1812, 1848, 1924, 2176, 2453, 2508, 2636, 3300, 3404, 3614, 3809, 4041
OVALBUMIN: 54, 621, 830, 937, 3306, 3751, 3816
OVARIAN CYSTS: 91, 420, 613, 755, 1038, 1607, 1749, 1933, 2256, 2263, 2519, 2541, 2827, 3046, 3170, 3360, 3376, 3545, 3703, 3726, 3889, 3906, 3968, 4077
OVARIAN DISEASES: 216, 417, 825, 1359, 1883, 2182, 2296, 2369, 2683, 2994, 3994, 3996, 4246, 4353, 4803
OVARIAN NEOPLASMS: 137, 155, 235, 286, 333, 347, 394, 420, 505, 590, 623, 797, 802, 814, 822, 824, 883, 985, 1032, 1035, 1206, 1359, 1469, 1566, 1591, 1607, 1670, 1679, 1737, 1973, 2004, 2125, 2156, 2173, 2205, 2218, 2356, 2405, 2499, 2577, 2687, 2691, 2710, 2721, 2738, 3011, 3052, 3058, 3105-3106, 3126, 3184, 3217, 3220, 3334, 3389, 3556, 3726, 3745, 3818, 3946, 4057, 4065, 4209-4210, 4216, 4260, 4431, 4598, 4802
OVARY: 105, 116, 120, 137, 170-171, 182, 190, 217, 222, 224, 252, 283, 311, 342, 350-352, 376, 391-392, 426, 440, 445, 451, 475, 504, 513, 524, 546, 551, 554, 598, 611, 620, 631, 663, 665, 716, 720, 753-755, 774, 785, 792, 805-807, 814, 826, 913, 917, 946, 959, 965, 1058, 1061, 1082, 1124, 1170-1171, 1189, 1197, 1205, 1284, 1286, 1300, 1359, 1380, 1411, 1510, 1514, 1529, 1538, 1571, 1614, 1637, 1679, 1690, 1744, 1797, 1857, 1872, 1918, 2003, 2024-2025, 2059, 2092-2093, 2149, 2151-2152, 2171, 2177, 2235, 2237, 2252, 2262, 2282, 2310-2311, 2333, 2342, 2365, 2386, 2389, 2408, 2413, 2419, 2451, 2456, 2488, 2513, 2540, 2559, 2565, 2569, 2578, 2622, 2637, 2639, 2672, 2685, 2800, 2805, 2811, 2849-2850, 2855, 2892, 2948-2949, 2989, 2975, 3034, 3045, 3055, 3079, 3087, 3122, 3139-3140, 3159, 3170, 3271, 3273, 3346, 3360, 3362, 3376, 3403, 3408, 3445, 3500, 3502, 3505, 3522, 3530, 3603, 3644, 3672, 3695, 3710, 3766-3767, 3775, 3797-3798, 3822, 3843, 3849-3851, 3867, 3873, 3885, 3888, 3907, 3925, 3971, 3997, 4010-4011, 4026, 4037-4038, 4078, 4097, 4130, 4136, 4147, 4199, 4247, 4249, 4263-4264, 4295, 4321, 4327, 4374, 4390, 4462, 4496, 4509, 4513, 4536, 4571, 4598, 4620, 4622, 4626, 4662, 4693, 4718, 4735
OVERLEARNING: 2204
OVIDUCTS: 621, 3159, 3765, 3816, 4722
OVULATION: 70, 103, 253, 283, 342, 395, 398, 405, 473, 524, 542, 663, 720, 752-755, 783, 785, 792-793, 796, 813, 828, 902, 958, 968, 1013, 1024, 1058, 1093, 1205, 1226, 1269, 1286, 1330, 1351, 1375, 1383, 1416, 1430, 1496, 1514, 1538, 1597, 1610, 1640, 1693, 1774, 1825, 1867, 2019, 2022, 2134, 2182, 2234-2235, 2282, 2284, 2310, 2313, 2334, 2377, 2397, 2456-2457, 2539, 2542, 2564, 2578, 2664, 2685-2686, 2703, 2804, 2838, 2880, 2965, 2974, 3066, 3076, 3122, 3139, 3408, 3413, 3417, 3430, 3445, 3532, 3545, 3608, 3668, 3685, 3690, 3692, 3756, 3771, 3827-3828, 3835, 3838, 3895, 3988, 4027, 4071, 4130, 4133, 4245, 4294-4295, 4374, 4377, 4390, 4456, 4462, 4523, 4531, 4533, 4548, 4552, 4590, 4640, 4670, 4704, 4718
OVUM: 118-119, 182, 190, 198, 311, 342, 451, 473, 533, 548, 720, 913, 1024, 1158, 1205, 1430, 1514, 1657, 1867, 1941, 2042, 2072, 2283, 2564, 2685-2686, 2805, 2808, 2892, 2924, 3272, 3466, 3530, 4294-4295, 4327, 4522, 4636
OXACILLIN: 2801
OXALATES: 358, 1527, 2018, 3659, 4231
OXANDROLONE: 395
OXAZEPAM: 173
OXAZOLES: 1915, 3824, 4444
OXEPINS: 1063
OXIDATION-REDUCTION: 50, 75, 297, 302, 336, 355, 699, 922, 1074, 1077, 1098, 1371, 1405, 1445, 1455, 1500-1501, 1602, 1616, 1628, 1713, 1751, 1900, 1917, 1955, 2028, 2142, 2360, 2409, 2427, 2429, 2532, 2570, 2717, 3120, 3222, 3345, 3415, 3445, 3503, 3575, 3617, 3679, 3732, 3790, 3960, 4180, 4198, 4528, 4543, 4634, 4715, 4740
OXIDATIVE PHOSPHORYLATION: 736, 962, 1727, 2017, 2051, 2698, 2870, 3144, 3191, 3481, 3784, 3810, 4526, 4615
OXIDES: 3247
OXIDOREDUCTASES: 52, 297, 356, 406, 857, 1074, 1170, 1227, 1405, 1702, 2087, 2411, 2595, 2628, 2717-2719, 2732, 2773, 2780, 2847-2848, 2865, 2897, 3060, 3311, 3405, 3470, 3874-3875, 3877, 3952, 4114, 4168, 4264, 4285, 4371, 4497, 4654, 4682, 4773
OXIDOREDUCTASES, N-DEMETHYLATING: 1227
OXIMES: 2783, 3592, 4696
OXOPHENARSINE: 4806
OXOTREMORINE: 1314, 3283
OXYGEN: 164, 282, 1297, 1532, 1601, 1855, 2308, 2453, 2650, 2774, 3028, 3055, 4576, 4616
OXYGEN CONSUMPTION: 187, 455, 573, 729, 736, 1076, 1559, 1621, 1623, 1727, 1955, 2017, 2051, 2176, 2255, 2270-2271, 2299, 2393, 2486, 2613, 2678, 2698, 2759, 2851, 2909, 3144, 3191, 3222, 3225, 3288, 3453, 3481, 3561, 3784, 3787, 3810, 4136, 4263, 4517, 4615, 4736
OXYGEN INHALATION THERAPY: 2468, 4529, 4641
OXYGENASES: 2548, 4602
OXYHEMOGLOBIN: 2650
OXYMETHOLONE: 395, 1432, 1888, 3358
OXYPHENBUTAZONE: 1728
OXYTETRACYCLINE: 1196, 1560, 3262
OXYTOCIN: 15, 473, 769, 823, 974, 995, 1008, 1025, 1064, 1483, 1658, 1714, 1747-1748, 1855, 2124, 2255, 2424, 2954, 3244, 3292, 3294, 3345, 3524, 3650, 3681, 3731, 3778, 3791, 3837, 3923, 3926, 3998, 4285
OXYTOCINASE: 3275

P

PAIN: 22, 95, 372, 482, 630, 1056, 1613, 2188, 2656, 2701, 2822, 3011, 3043, 3262, 3525, 3898, 4224, 4233
PAKISTAN: 1188, 3932
PALATE: 93, 966
PALLIATIVE TREATMENT: 905, 984, 1035, 3058
PALMITIC ACID: 284, 1170, 2085, 2241, 2547, 3222, 3617, 4440
PALPATION: 2094, 2256, 2519, 4691
PANCREAS: 277, 288, 332, 508, 763, 818, 929, 1078, 1265, 1326, 1418, 1526, 1579, 1614, 1665, 1682, 1758, 2083, 2124, 2149-2151, 2350, 2428, 2497, 2705, 2814, 2856, 2969, 2988, 3343, 3540, 3779, 3821, 3839, 3868, 3961, 4048, 4147, 4319, 4331, 4354, 4411, 4781
PANCREATECTOMY: 326, 1466, 3540
PANCREATIC DISEASES: 1579, 1724
PANCREATIC EXTRACTS: 1265, 4354
PANCREATIC JUICE: 277, 585, 1078, 2399, 2988, 4354, 4483
PANCREATIC NEOPLASMS: 904, 982, 1824, 2699, 4445, 4483
PANCREATIN: 2135
PANCREATITIS: 862, 1456, 1466, 2863, 3160, 3518, 3805, 4319, 4483
PANCREOZYMIN: 403, 2705, 3724
PANCURONIUM: 34, 221, 944, 1181-1182, 1219, 1452, 3083, 3652, 4112, 4414, 4702, 4750, 4789-4770
PANNICULITIS, NODULAR NONSUPPURATIVE: 604, 3032
PANTOTHENIC ACID: 2195
PAPAIN: 2513
PAPAVERINE: 85, 165, 626, 875, 1433, 1556, 1707, 2487, 3318, 3616, 3865, 3951
PAPILLARY MUSCLES: 736, 1590, 2508, 2512, 3063, 3070
PAPILLEDEMA: 1504, 4752
PAPILLOMA: 127, 814, 2319, 3505
PAPOVAVIRUS: 235
PAPPATACI FEVER: 3431
PARABIOSIS: 642, 1450, 3079, 4097, 4131
PARAFFIN: 2061
PARAGANGLIOMA: 597
PARALYSIS: 994, 1322, 2300, 3111-3112, 3262, 3493, 3652, 3794
PARALYSIS, FAMILIAL PERIODIC: 4168
PARALYSIS, SPASTIC: 1887
PARALYTIC ILEUS: 2894
PARANASAL SINUS NEOPLASMS: 2862
PARAPLEGIA: 3458, 4387, 4758
PARASITE EGG COUNT: 523, 3142, 3383
PARASITIC DISEASES: 2863
PARASYMPATHETIC NERVOUS SYSTEM: 157, 724, 3553, 4674
PARASYMPATHOLYTICS: 361, 1391, 2337, 2894, 3301, 4100, 4785
PARASYMPATHOMIMETICS: 1321, 1801, 2652, 3102
PARATHION: 2732
PARATHYROID DISEASES: 189, 1894, 3840, 4270
PARATHYROID GLANDS: 69, 150, 189, 254, 270, 288, 359, 622, 673, 743, 858-859, 898, 1250, 1415, 1439, 1620, 1832, 1929, 2130, 2248, 2642, 2709, 2775, 2830, 2865, 3095, 3229, 3497, 3761, 3775, 3880, 3921, 4051, 4259, 4637, 4746, 4795

PARATHYROID HORMONE: 90, 126, 359, 369, 414, 486, 585, 673, 859, 892, 904, 969, 1003, 1129, 1162, 1250-1251, 1277, 1363, 1578, 1619-1620, 1683, 1832, 1863, 1893, 1896, 1990, 2124, 2231, 2322, 2340, 2425, 2642, 2659, 2765, 2798, 2909, 3231, 3352, 3354, 3455, 3518, 3775, 3880, 3921, 3964, 4355, 4421, 4537, 4564, 4637, 4649, 4715, 4792, 4795
PARATHYROID NEOPLASMS: 192, 600, 671, 743, 1278, 1302, 1306, 1620, 1821, 1886, 1929, 2046, 2375, 2491, 2729, 2810, 3330, 3353, 3497, 3518, 3781, 3921, 4125, 4129
PARENT-CHILD RELATIONS: 306
PARENTERAL FEEDING: 1152, 3110, 4017
PARESIS: 1150
PARESTHESIA: 1535, 3280
PARGYLINE: 498, 576, 1412, 1555, 1592, 1960, 3351, 3662, 4405, 4633
PARIETAL LOBE: 1470, 1798, 2327, 4594
PARITY: 61, 464, 750, 778, 786, 1611, 1881, 2186, 2249, 2373, 2589, 2677, 2680, 2822, 2882, 2884, 3277, 3326, 3505, 3650, 3837, 3896, 4357
PARKINSONISM: 446, 981, 2100, 2102, 2281, 2345, 2766, 3301, 3941, 4243
PAROTID GLAND: 2153-2154, 3821
PAROTID NEOPLASMS: 4045
PAROTIN: 2700
PARTHENOGENESIS: 137, 1205, 3107
PARTIAL PRESSURE: 1520, 2774
PASSIVE CUTANEOUS ANAPHYLAXIS: 586-587, 1193, 2722, 4217
PASSIVE TRANSFER: 1766, 3922, 4542
PATELLA: 2029
PATERNITY: 832
PATIENT CARE TEAM: 923
PATIENTS: 1108
PATTERN RECOGNITION: 8
PEDIATRICS: 1631, 1935, 4625
PEDIGREE: 304, 597, 799, 880, 1040, 1140, 1192, 1317, 1367, 1381, 1397, 1495, 1956, 2837, 2840, 3065, 3124, 3581, 3983, 4067, 4122, 4624
PEER GROUP: 1484
PELVIC BONES: 520, 547, 3509
PELVIC NEOPLASMS: 18, 2405
PELVIS: 22, 417, 494, 1744, 2325
PEMPHIGUS: 236, 596, 847, 3552
PENICILLAMINE: 162
PENICILLIN: 181, 452, 2020, 2048, 2514, 2613, 4016, 4055, 4396, 4703
PENICILLIN G: 2020, 3575
PENICILLIN, PHENOXYMETHYL: 3994
PENICILLINASE: 3575
PENICILLIUM: 1789, 2675, 3808
PENICILLIUM CHRYSOGENUM: 1789
PENILE DISEASES: 2871, 4630
PENILE INDURATION: 2671
PENIS: 914, 1936, 2671, 2789, 2910, 3626, 3914, 4165, 4392, 4585, 4630
PENNSYLVANIA: 923, 3896
PENTAGASTRIN: 257, 289, 337, 1533, 1668, 2001, 2592, 3610, 4582
PENTAZOCINE: 42, 4124
PENTOBARBITAL: 998, 1218, 1590, 1980, 2134, 2234, 2275, 3242, 4027, 4295, 4390, 4548, 4639
PENTOLINIUM TARTRATE: 776, 2741, 4364
PENTOSEPHOSPHATES: 179, 1721, 2544, 3001
PENTOSES: 1200, 1401
PENTOSYLTRANSFERASES: 179, 1721, 2544, 4698
PENTYLENETETRAZOLE: 331, 741, 1314, 1502, 2068
PEPSIN: 587, 671, 1063, 1651, 1961, 2513, 3679, 4582, 4589
PEPTIC ULCER: 585, 649, 1272, 2120, 2278, 2485, 3669, 4412, 4477, 4582, 4595, 4714
PEPTIC ULCER HEMORRHAGE: 3669
PEPTIC ULCER PERFORATION: 593, 3669, 4307
PEPTIDE CHAIN ELONGATION: 4382
PEPTIDE ELONGATION FACTORS: 1368, 4382
PEPTIDE HYDROLASES: 131, 486, 1385, 1482, 1961, 2988, 3345, 4799
PEPTIDE PEPTIDOHYDROLASES: 1379, 2124
PEPTIDE SYNTHETASES: 1316
PEPTIDES: 75, 90, 212, 316, 673, 699, 774, 788, 792, 1193, 1265, 1371, 1497, 1544, 1623, 1651, 1767, 1843, 1961, 2034, 2096, 2124, 2321, 2399, 2409, 2513, 2724, 2760, 2921, 2953, 3018, 3067, 3238, 3341, 3449, 3456, 3476, 3513, 3564-3565, 3671, 3679, 3687, 3716, 3743, 3796, 3799-3800, 4054, 4096, 4276, 4382, 4407, 4649, 4720
PEPTIDES, CYCLIC: 4697
PERCEPTUAL DISORDERS: 236
PERCHLORIC ACIDS: 952, 1146
PERFUSION: 68, 282, 318, 367, 415, 455, 579, 595, 633, 818, 860, 952, 979, 1096, 1099, 1138, 1209, 1235, 1293, 1324, 1353, 1355, 1441, 1450, 1525, 1546, 1590, 1685, 1848, 2027, 2258-2259, 2308, 2403, 2444, 2487, 2574, 2580, 2608, 2635, 2724, 2813, 3285, 3421, 3696, 3773, 4141, 4263, 4267, 4313, 4328, 4621-4622, 4781
PERIARTERITIS NODOSA: 229, 453, 1242, 1436, 2035, 2467
PERICARDIAL EFFUSION: 1547, 2801
PERICARDITIS: 2380, 2801, 4396
PERICARDITIS, CONSTRICTIVE: 3260, 4250
PERICARDIUM: 2035, 2830
PERIMETRY: 1183
PERIODICALS: 2345
PERIODICITY: 1013, 1020, 3048, 3463, 3487, 3493, 3794, 3885, 4492, 4558, 4777
PERIODONTAL DISEASES: 3287, 3307
PERIOSTEUM: 4600
PERIPHERAL NERVE DISEASES: 709, 1183, 2471, 2701
PERIPHERAL NERVES: 3458, 3580, 3584, 3593
PERISSODACTYLA: 3895
PERITONEAL CAVITY: 2341, 2419, 3085, 3616
PERITONEAL DIALYSIS: 168, 768, 1654, 3659, 4220
PERITONEAL DISEASES: 604
PERITONEUM: 1204, 3085, 3805, 4376
PERITONITIS: 768, 3314, 3703, 4248, 4307
PERMEABILITY: 472, 1293, 1503, 3292, 3936
PEROXIDASES: 816, 1285, 1806-1807, 2246, 2274, 2532, 2978, 3248, 4604, 4654, 4698
PEROXIDES: 3503, 4602
PERPHENAZINE: 555, 3708, 4081
PERSONALITY: 3020
PERSONALITY DEVELOPMENT: 559
PERSONALITY DISORDERS: 106, 2229
PERSONALITY INVENTORY: 1693, 2193
PERTUSSIS VACCINE: 804, 4396
PESSARIES: 778, 1640
PESTICIDE RESIDUES: 4109
PESTICIDES: 2200
PETROLATUM: 1560
PEUTZ-JEGHERS SYNDROME: 2600, 4050
PEYER'S PATCHES: 2044
PHAGOCYTE BACTERICIDAL DYSFUNCTION: 1242, 1870, 4498, 4604
PHAGOCYTES: 1249, 1870, 1977, 4528
PHAGOCYTOSIS: 454, 734, 1100, 1901, 2239, 2613, 3862, 4400, 4521, 4528, 4604, 4742
PHARMACOGENETICS: 2384
PHARMACOLOGY: 2345, 2820, 4444
PHARMACOPOEIAS: 2063
PHARMACY AND THERAPEUTICS COMMITTEE: 4541
PHARYNGEAL NEOPLASMS: 484, 563
PHARYNGITIS: 3521
PHENANTHRENES: 874, 3877
PHENAZINES: 1313, 3178
PHENCYCLIDINE: 4273
PHENELZINE: 2706, 3862
PHENETHANOLAMINE N-METHYLTRANSFERASE: 199, 681, 1557, 2720, 3203, 3323
PHENETHYLAMINES: 340, 1002, 1234, 1261, 1671, 1741, 1856, 2441, 2518, 2706, 2883, 3274, 4335
PHENFORMIN: 489
PHENIPRAZINE: 167, 1555, 4593
PHENMETRAZINE: 64, 558, 3824
PHENOBARBITAL: 294, 449, 473, 487, 522, 605, 729, 1327, 1893, 2276, 2329, 2423, 2880, 3048, 3483, 3965, 4278, 4294, 4472, 4485, 4759-4760
PHENOLPHTHALEINS: 1836, 2298
PHENOLS: 657, 933, 991, 1447, 1608, 1615, 1825, 1940, 2414, 2441, 2487, 2532, 2581, 2891, 4626, 4634-4635
PHENOTHIAZINE TRANQUILIZERS: 136, 3708, 4350
PHENOTHIAZINES: 1032, 1086, 1576, 2546, 3301, 3462, 3935, 4243, 4280, 4314
PHENOTYPE: 135, 265, 293, 1223, 1367, 1764, 1818, 2163, 2290, 2312, 2449, 2861, 3020, 3121, 3205, 3508, 3733, 3806, 3905, 3983, 4052, 4058
PHENOXYBENZAMINE: 49, 227, 233, 665, 1234-1235, 1289, 1504, 1574, 1983, 2898, 2908, 2974, 3088, 4086, 4266, 4517, 4529, 4781
PHENTERMINE: 2518, 3824
PHENTOLAMINE: 49, 370, 490, 496, 537, 567, 569, 646, 706, 810, 936, 1234, 1358, 1398, 1459, 1472, 1504, 1761, 1983, 2270, 2481, 2520, 2741, 2956, 2970, 3113, 3283, 3343, 3660, 3677, 4087, 4266, 4310, 4508
PHENYLACETATES: 81, 1945, 1960, 2766
PHENYLALANINE: 167, 763, 773, 891, 1787, 2706, 3976, 4327, 4382
PHENYLALANINE HYDROXYLASE: 1787, 2474
PHENYLBUTAZONE: 729, 936-937, 1321, 1503, 1586, 1728, 1838-1839, 1970, 2591, 2630, 2895, 3010, 3024, 3424, 4379
PHENYLEPHRINE: 1, 86, 646, 810, 1759, 1801, 1982-1983, 4266
PHENYLHYDRAZINE: 3386, 3448
PHENYLKETONURIA: 4164, 4765
PHENYLTHIOUREA: 1915, 4393, 4404
PHEOCHROMOCYTOMA: 143, 236, 347, 597, 840, 1000, 1169, 1238, 1263, 1323, 1467, 1504, 1849, 2007, 2273, 2383, 2392, 3017, 3074, 3190, 3388, 3733, 4172, 4421, 4560, 4562, 4603, 4700, 4725
PHEROMONES: 1781, 1934, 2910
PHIMOSIS: 2789
PHLEBOGRAPHY: 113, 191, 850, 2699, 3087, 3558, 3880, 4691
PHLORETIN: 1288, 3197
PHONOCARDIOGRAPHY: 2854, 3549-3550
PHOSPHATASES: 710, 890, 1777, 2341, 3016, 3225
PHOSPHATES: 373, 396, 414, 447, 467, 733, 736, 858-859, 892, 899, 1129, 1377, 1387, 1439, 1578, 1627, 1636, 1703, 1727, 1789, 1821, 1892, 2017, 2075, 2130, 2248, 2321-2322, 2503, 2530, 2602, 2649, 2675, 2679, 2709, 2725, 2729, 2760, 2765, 2909, 2963, 3197, 3329, 3392, 3443, 3500, 3588, 3749, 3765, 3803, 3806, 3808, 4103, 4200, 4231, 4257, 4417, 4629
PHOSPHINES: 1455
PHOSPHOCREATINE: 85-87, 2524, 2851, 2950, 3392
PHOSPHODIESTERASES: 85, 87, 429, 608, 637, 767, 781, 837, 843, 871, 1449, 1459, 1556, 1795, 1801, 2176, 2228, 2259, 2268, 2513, 2574, 2601, 2605, 2676, 3318, 3501, 3613, 3680, 3747, 3774, 3803, 3865, 3897, 3923, 4227, 4350, 4427, 4459, 4508, 4713
PHOSPHOENOLPYRUVATE: 674
PHOSPHOENOLPYRUVATE CARBOXYKINASE: 2614, 2945, 3559, 4115
PHOSPHOFRUCTOKINASE: 1076, 2360, 3061, 4168
PHOSPHOGLUCOMUTASE: 2341, 3471
PHOSPHOGLUCONATE DEHYDROGENASE: 1681, 2074, 3001, 3471
PHOSPHOINOSITIDES: 371, 469, 1999, 4424, 4673
PHOSPHOLIPASE: 108, 277, 292, 341, 371, 811, 821, 1657, 3154, 3927, 3998, 4217, 4604, 4657
PHOSPHOLIPIDS: 100, 108, 468-469, 548, 801, 853, 1114, 1248, 1430, 1984, 1999, 2085, 2413, 2757, 2885, 2891, 3120, 3312, 3419, 3472, 3732, 3802, 3820, 3875, 3936, 4187, 4271, 4282, 4289, 4657, 4673
PHOSPHONIC ACIDS: 404, 1508, 1650, 2437
PHOSPHOPROTEINS: 890, 2038, 2106, 2341, 2608, 2760, 3443, 3500
PHOSPHOPYRUVATE HYDRATASE: 3067
PHOSPHORIC ACIDS: 3796
PHOSPHORUS: 192, 206, 359-360, 369, 467, 520, 522, 560, 618, 745, 780, 897-898, 989, 1047, 1118, 1188, 1214, 1387, 1527, 1579, 1821, 1863, 2215, 2322, 2348, 2422-2423, 2737, 2775, 3016, 3019, 3064, 3111-3112, 3219, 3231, 3329, 3369, 3377, 3479, 3588, 3622, 3775, 3894, 4051, 4129, 4197, 4624, 4668, 4792
PHOSPHORUS ISOTOPES: 207, 292, 340, 373, 387, 468-469, 490, 710, 730, 767, 858, 890, 962, 969, 1049, 1399, 1426, 1491, 1672, 1801, 1984, 2038, 2106, 2128, 2212-2213, 2341, 2608, 2643, 2734-2735, 2760, 2858, 3144, 3228, 3294, 3318, 3443, 3500, 3573, 3774, 3858, 3910, 4180, 4187, 4469, 4520
PHOSPHORYLASE KINASE: 710, 1779, 4469
PHOSPHOTRANSFERASES: 27, 207, 429, 711, 730, 843, 936, 1399, 1417, 1799, 1921, 2038, 2858, 3228, 3573, 3774, 4180, 4469, 4520, 4698
PHOTIC STIMULATION: 2465, 2982, 3012, 3033
PHOTOCHEMISTRY: 2360
PHOTOGRAPHY: 3430
PHOTOLYSIS: 2214
PHOTOMETRY: 204, 206, 420, 1323, 1536, 2168, 2447, 2983, 3390, 4592
PHOTORECEPTORS: 353, 4301
PHOTOSENSITIZATION: 477, 1677, 2164, 2406, 3762
PHRENIC NERVE: 2652

PHYCOMYCETES 519
PHYSICAL EXAMINATION: 22, 306, 1824, 2183
PHYSICAL FITNESS 3280
PHYSICAL STIMULATION: 573-574, 1492, 2171, 2180, 4123
PHYSICAL THERAPY: 3715, 4641
PHYSICIAN-PATIENT RELATIONS: 306, 1861, 1970, 4766
PHYSICIANS: 3441
PHYSICS: 13, 507
PHYSOSTIGMINE: 1023, 1282, 1398, 1473, 1519, 2551, 3102
PICOLINE: 83
PICOLINIC ACIDS: 492, 3503, 4404-4405
PICORNAVIRUS: 4473
PICROTOXIN: 331, 1398
PIGEONS 422, 669, 878, 969, 1074, 1673, 3816, 3982, 4336, 4644-4645
PIGMENTATION 707, 900, 1130, 1913, 1948, 2479, 3945-3946, 4043, 4585
PIGMENTATION DISORDERS: 288, 3065
PIGMENTS: 2557, 4147
PILOCARPINE: 2748, 3226
PILOERECTION: 738
PILOT PROJECTS: 1534
PIMOZIDE: 665, 735, 3088, 3448
PINDOLOL: 331, 838, 1720, 1865, 3017, 4255
PINEAL BODY: 130, 190, 323, 375, 498, 880, 881, 981, 1622, 1948-1949, 2002, 2104, 2529, 2880, 3131, 3227, 3247, 3382, 3463, 3553, 3620, 4070, 4189, 4508
PINEALOMA: 129, 408, 675, 881, 1850, 2319, 3149, 3152, 3640-3641, 3831, 4189
PINOCYTOSIS: 186, 2563, 2578, 3612, 3825
PIPERAZINES: 156, 628, 875, 882, 1400, 2651, 3935
PIPERIDINES: 84, 1087, 2090, 2651, 2966
PITUITARY-ADRENAL FUNCTION TESTS: 2, 99, 132, 268, 307-308, 557, 672, 1101, 1424, 1894, 1943, 1964, 1986, 2517, 3005, 3184, 3295, 3486, 3506, 3539, 4253, 4304
PITUITARY-ADRENAL SYSTEM: 2, 422, 672, 1108, 1208, 1394, 2528, 2772, 2944, 3005, 3129, 3295, 3337, 3952, 4074, 4179, 4258, 4650
PITUITARY DISEASES: 405, 615-616, 635, 893, 1123, 1541-1542, 1894, 2026, 2818, 2923, 3150, 3641-3642, 3665, 3777, 4106, 4171, 4307, 4753
PITUITARY GLAND: 7, 19, 57, 80, 158, 163, 178, 207, 282, 288, 326, 338, 342, 509, 608, 665, 773, 783, 792, 798, 818, 825, 846, 877, 947, 977, 1009, 1071, 1081, 1083, 1101, 1103, 1124, 1126, 1135, 1158, 1189, 1212, 1239, 1243, 1365, 1388, 1389, 1417, 1444, 1458, 1480, 1516, 1541, 1570, 1581-1582, 1688, 1743, 1754, 1770, 1827, 1834, 1842, 1909, 1941, 1948, 1992-1993, 2024, 2026, 2041, 2043, 2064, 2111, 2113-2115, 2120, 2135, 2141, 2143, 2197, 2219, 2234, 2252, 2281, 2284-2285, 2316, 2326, 2333, 2365, 2409, 2416, 2454, 2456, 2472, 2501, 2507, 2510-2511, 2528, 2563, 2581, 2653, 2684, 2698, 2724, 2754, 2762, 2772, 2792, 2885, 2911, 2913, 2915, 2921, 2946, 2969, 2971, 2975, 3004-3005, 3012, 3014, 3023, 3045, 3048, 3078-3079, 3081, 3108-3109, 3113, 3120, 3131-3132, 3149, 3176, 3240, 3248, 3267, 3309, 3324, 3335, 3341-3342, 3364, 3420, 3426-3427, 3463, 3498, 3517, 3531, 3554-3555, 3585, 3600, 3606, 3629, 3639, 3657, 3661, 3673-3674, 3677, 3679, 3692, 3695, 3710, 3717, 3743, 3755, 3766-3767, 3770, 3783, 3799-3800, 3867, 3873, 3878, 3899, 3918-3919, 3992, 4003, 4014, 4026, 4030, 4035, 4070, 4090, 4097, 4119, 4165, 4195, 4212, 4225, 4243, 4264, 4314, 4321, 4343, 4361, 4372, 4376, 4407, 4433, 4460, 4484, 4499, 4532, 4539, 4548, 4558, 4568, 4658, 4661, 4679, 4683-4684, 4717, 4735, 4738, 4799
PITUITARY GLAND FUNCTION TESTS: 260, 634-635, 970, 1082, 1498, 1542, 1894, 1986, 2367, 2912, 3641, 3665, 3990, 4314
PITUITARY GLAND IRRADIATION: 527, 935, 2011
PITUITARY GLAND, POSTERIOR: 15, 238, 468-469, 974, 1008, 1613, 2085, 2089, 2804, 2996, 3294, 3919, 4171, 4787
PITUITARY HORMONE RELEASING FACTORS: 7, 103, 158, 218, 282, 405, 580, 634, 773-774, 792, 798, 825, 1046, 1102, 1216, 1351, 1364, 1402, 1480, 1497, 1543-1544, 1593, 1618, 1843, 1857, 1890, 1905, 1980, 1989, 2115, 2219, 2285, 2297, 2365, 2369, 2521, 2576, 2653, 2838, 2875, 2912-2913, 2953, 2965, 2975, 3004-3005, 3048, 3480, 3513, 3536, 3555, 3638, 3671-3674, 3716-3717, 3755, 3767, 3777, 3844, 3867, 3926, 4026, 4030, 4154, 4191, 4548, 4556, 4663, 4717, 4720
PITUITARY HORMONES: 122, 326, 527, 537, 1088, 1265, 1388-1389, 1581, 1717, 2026, 2367, 2685, 2833, 3395, 3583, 3771, 4377, 4649
PITUITARY HORMONES, ANTERIOR: 1144, 1544, 2302, 3282, 3783
PITUITARY HORMONES, POSTERIOR: 15, 267, 1718, 3244, 3524, 4787
PITUITARY NEOPLASMS: 275, 517, 527, 615-616, 634, 719, 827, 889, 970, 982, 1071, 1083, 1101-1102, 1309, 1392, 1516, 1582, 1670, 1719, 1785, 1902, 1930, 2141, 2182, 2211, 2267, 2366, 2559, 2653, 2888, 2912, 3108, 3152, 3214, 3243, 3373, 3409, 3523, 3560, 3629, 3639, 3663, 3831, 4014, 4171, 4211, 4235, 4314, 4484, 4501, 4525, 4556
PLACEBOS: 84, 234, 452, 483, 559, 787, 838, 882, 1272, 1792, 2502, 2566, 2707, 3286, 3891, 3908, 3975, 4223, 4255, 4499, 4705
PLACENTA: 3, 68, 264, 293, 297, 631, 648, 693, 698, 721, 806-807, 1165, 1227, 1312, 1333, 1356, 1385, 1500-1501, 1665, 1685, 1701, 1721, 1806-1807, 1818, 1869, 1931, 1955, 2020, 2118, 2166, 2249, 2302, 2333, 2553, 2571, 2587-2589, 2650, 2680, 2820-2821, 2872, 2992, 3018, 3071, 3097, 3175, 3191, 3246, 3271, 3345, 3400, 3444, 3470, 3494, 3507, 3539, 3821, 4023-4024, 4030, 4135, 4141, 4184, 4193, 4254, 4285, 4288, 4420, 4438, 4494, 4555, 4760
PLACENTA DISORDERS: 169, 301, 693, 698, 806, 1390, 1539, 1868, 1875, 2166, 2249, 2256, 2587, 2681, 2938, 3191, 3272, 3347, 3444, 3598, 3760, 3815, 4001, 4128
PLACENTA PRAEVIA: 2256, 3347
PLACENTAL HORMONES: 1806, 4021, 4184, 4479
PLACENTAL LACTOGEN: 169, 300-301, 328, 352, 666, 690, 1304, 1312, 2391, 2434, 2438, 2571, 2877-2878, 2882, 4021, 4263, 4479, 4662, 4676, 4741
PLANT AGGLUTININS: 24, 292, 744, 1476, 1548, 2239, 2421, 2747, 3251, 3615, 4493, 4550
PLANT EXTRACTS: 1977, 1979, 3424, 4031
PLANT GROWTH REGULATORS: 131, 1508
PLANT POISONING: 3676
PLANT PROTEINS: 4032, 4540
PLANT TUMORS: 131
PLANT VIRUSES: 131
PLANTS: 96, 147, 1673, 1978, 2458, 2532, 3144, 3248, 3424, 3651, 4032, 4406, 4540
PLANTS, MEDICINAL: 464
PLAQUE ASSAY: 1066, 1369
PLASMA: 1586, 1830, 2118, 2549, 2953
PLASMA CELLS: 3213, 4269
PLASMA SUBSTITUTES: 220, 698, 1648, 4745
PLASMA VOLUME: 456, 855, 886, 1000, 2145, 4482
PLASMACYTOMA: 1408, 3234, 4566
PLASMALOGENS: 371
PLASMAPHERESIS: 1653
PLASMINOGEN: 2251, 2291
PLASMODIUM VIVAX: 3991
PLATELET ADHESIVENESS: 431-432, 435, 694, 1421, 2147, 3024, 3308, 3428, 3660, 3667, 3723, 3860, 3924, 4379, 4580, 4704
PLATYBASIA: 72
PLETHYSMOGRAPHY: 2916
PLETHYSMOGRAPHY, IMPEDANCE: 4714
PLEURAL DISEASES: 2801, 4396
PLEURAL EFFUSION: 484, 1117, 1987, 2405, 2801, 3257
PLEURAL NEOPLASMS: 3257
PNEUMOCOCCAL INFECTIONS: 1409, 2995, 3920
PNEUMOENCEPHALOGRAPHY: 200, 408, 517, 759, 1107, 2568, 3243, 3523
PNEUMONECTOMY: 2943
PNEUMONIA: 1033, 2048, 2315, 2801, 3821, 4336, 4535
PNEUMONIA, INTERSTITIAL PLASMA CELL: 46, 1033, 4336
PNEUMONIA, LOBAR: 4800
PNEUMONIA, STAPHYLOCOCCAL: 1145, 2995
PNEUMONIA, VIRAL: 46, 2232
PNEUMOTHORAX: 2981
PODOPHYLLIN: 2339
PODOPHYLLOTOXIN: 4213
POISONING: 655, 1080, 2863, 2883, 3262
POLAND: 2116, 4156, 4625
POLAROGRAPHY: 1696, 2816, 3868, 4049, 4620, 4634
POLIOVIRUS: 4010
POLIOVIRUS VACCINE: 1030
POLIOVIRUS VACCINE, ORAL: 1030
POLLEN: 2418
POLONIUM: 2295, 3195
POLY A-U: 4705
POLYAMINES: 901, 2326
POLYCHLOROBIPHENYL COMPOUNDS: 721
POLYCYTHEMIA: 1149, 1432, 3899, 4641
POLYCYTHEMIA VERA: 1149, 1766, 1808
POLYETHYLENES: 789, 2822, 4374
POLYMERS: 910, 2326, 3226
POLYMORPHISM (GENETICS): 1140, 1184, 1651, 2903, 3402, 4013
POLYMYALGIA RHEUMATICA: 1242, 2690
POLYMYXIN: 1560, 3462
POLYNEURITIS: 235
POLYNUCLEOTIDES: 454, 2139, 2675, 2967, 3796, 3808, 4010, 4241
POLYOMA VIRUS: 714, 2853
POLYPLOIDY: 3107, 3249, 4540
POLYPS: 2600, 3815
POLYRIBOSOMES: 251, 891, 2739, 3228, 3324, 3686-3687, 3787, 4010, 4025
POLYSACCHARIDES: 580, 863, 1160, 2128, 2760, 3902-3903, 4061, 4485
POLYSACCHARIDES, BACTERIAL: 2722, 4705
POLYURIA: 64, 384, 1466, 2298, 2402, 2715, 2836, 2888, 3037
POLYVINYLPYRROLIDONE: 624, 2887, 3438
POLYVINYLS: 3293, 3348
PONS: 180, 368, 738, 772, 1928, 2915, 3023, 3047, 3461, 4124, 4273
POPULATION: 643
POPULATION CONTROL: 943
POPULATION DENSITY: 1781
POPULATION SURVEILLANCE: 183, 4541
PORPHYRIA: 3032, 3177
PORTACAVAL ANASTOMOSIS: 188, 728, 4048, 4500
PORTAL SYSTEM: 188, 282
PORTAL VEIN: 582, 2495, 3850, 4048, 4102
POSITIVE-PRESSURE RESPIRATION: 2468, 4616
POSTNATAL CARE: 923
POSTOPERATIVE CARE: 26, 762, 3251, 3560, 4220, 4268, 4429, 4446, 4471
POSTOPERATIVE COMPLICATIONS: 309, 408, 464, 584, 597, 638, 714, 803, 859, 914, 987, 1350, 1523, 1649, 1744, 1813, 1860, 1864, 1911, 1929, 2112, 2468, 2586, 2602, 2631, 2645, 2881, 2943, 2981, 3033, 3190, 3482, 3525, 3658, 3682, 3815, 4204, 4211, 4235, 4267-4268, 4316, 4410, 4477, 4521, 4774
POSTURE: 241, 574, 757, 882, 909, 1189, 1254-1255, 1353, 1395, 2171, 2222, 2440, 3076, 3084, 3576, 3630, 3959, 4398, 4641, 4676
POTASSIUM: 27, 51, 76, 86, 140, 166, 174, 204, 233, 254, 280, 290, 325, 393, 415, 455-456, 471-472, 514-515, 536, 592, 656-657, 697, 756, 780, 837, 872, 941, 950, 954, 1087, 1139, 1146, 1154, 1186, 1298-1299, 1309, 1323, 1355, 1361, 1387, 1422, 1434, 1506, 1534, 1536, 1634, 1715, 1748, 1833, 1851, 1891, 1908, 1924, 1971, 1982, 2017, 2033, 2037, 2058, 2089, 2100, 2219, 2271, 2285, 2308, 2320, 2423, 2432, 2440, 2447, 2453, 2496, 2535, 2542, 2615, 2654, 2665, 2670, 2679, 2705, 2791, 2876, 2887, 2905, 2929, 3076, 3116, 3147, 3224, 3233, 3300, 3339, 3372, 3377, 3390, 3410, 3421, 3443, 3493, 3496, 3676, 3779, 3784, 3795, 3807, 3809, 3955-3956, 3986, 4002, 4041, 4087, 4181, 4200, 4328, 4386, 4417, 4430, 4482, 4592, 4634, 4710, 4713, 4737, 4793
POTASSIUM CHLORIDE: 88, 207, 770, 872, 1800, 2038, 3874, 4200, 4520
POTASSIUM DEFICIENCY: 1506
POTASSIUM IODIDE: 872, 2604, 2947, 3069, 3145
POTASSIUM ISOTOPES: 592, 1298, 2219, 4430
POTENTIOMETRY: 1074, 3303
POULTRY: 2501
POULTRY DISEASES: 1774, 3242, 4416
POWDERS: 3437
PRACTICE (PSYCHOLOGY): 2076
PREANESTHETIC MEDICATION: 2774, 3017, 3074
PRECANCEROUS CONDITIONS: 38, 2164, 2340, 4476, 4662
PRECIPITATION: 179, 356, 1078, 1301, 2274, 2783, 2882, 3743, 4371, 4451, 4584
PRECIPITIN TESTS: 478, 681, 683, 789, 846, 948,

1373, 1767, 1938, 2239, 2363, 2474, 3323, 3982, 4279
PREDIABETIC STATE: 2126, 2683, 3282, 3839, 4161, 4428, 4712
PREDNISOLONE: 156, 232, 441, 494, 584, 606, 659, 691, 714, 760, 810, 928, 945, 1095, 1105, 1151, 1155, 1193, 1369, 1408, 1503, 1663-1664, 1838-1839, 1854, 1901, 2054, 2063, 2161, 2215, 2315, 2471, 2516, 2522, 2555, 2579, 2602, 2670, 2812, 2883, 2895, 2940, 3059, 3189, 3259, 3262, 3379, 3551, 3669, 3702, 3734-3735, 3884, 4069, 4107, 4142-4143, 4207, 4220, 4224, 4331, 4363, 4397, 4400, 4514, 4521, 4528, 4660, 4705, 4737
PREDNISOLONE, TOPICAL: 1, 1552, 3123
PREDNISONE: 46, 104, 148, 197, 201, 225, 229, 237, 249, 281, 295, 309, 386, 447, 449, 478, 565, 588, 641, 670, 701, 708-709, 731, 739, 744, 762, 787, 811, 847, 901, 977, 1031, 1033, 1106, 1145, 1150, 1327, 1382, 1435, 1470, 1476, 1655, 1661, 1732, 1756, 1766, 1816, 1871, 1879, 1920, 1946, 2055, 2312, 2331, 2381, 2467, 2562, 2617, 2638, 2689, 2712, 2801, 2809, 2817, 2893, 2930, 3009, 3016, 3049, 3054, 3278, 3340, 3383, 3412, 3454, 3474, 3521, 3578, 3658, 3715, 3725, 3785, 3812, 3866, 3914, 3920, 4016, 4059, 4093, 4111, 4121, 4204, 4233, 4316, 4388, 4473, 4535, 4586, 4612, 4730, 4762
PREGNADIENES: 279, 325, 327, 418-419, 473, 868, 942, 1042, 1366, 1370, 1588, 2508, 2651, 3284, 3766, 4046, 4480
PREGNANCY: 3, 5, 10, 18, 24-25, 28-29, 38, 60-61, 68-71, 91, 93, 118, 120, 125, 151, 154, 169, 176-177, 182, 208, 224, 242, 253, 276, 293, 297, 301, 328, 348, 358, 389, 391, 394, 396, 399, 402, 413, 416-417, 435, 439-440, 445, 463-464, 473, 480-481, 499, 523, 529, 535, 558, 590-591, 598, 610, 617, 619, 631, 640, 642-643, 648, 666, 681, 685, 693, 695, 698, 712, 718, 721, 723-724, 729, 746, 748, 750, 752, 770, 777-779, 786, 796-797, 799, 805-809, 817, 864, 867, 870, 902, 923, 943, 947, 964, 966, 999, 1013, 1016, 1027, 1040-1041, 1043, 1051, 1054, 1057-1058, 1064, 1069, 1095, 1115-1116, 1153, 1155-1156, 1160, 1165, 1187, 1190, 1197-1198, 1205, 1217, 1230, 1241, 1243, 1269, 1274, 1296, 1304, 1312-1313, 1333, 1350, 1356, 1372-1373, 1384-1385, 1390, 1406, 1416, 1420, 1422, 1446, 1449, 1458, 1478, 1480, 1483-1484, 1487, 1496, 1500-1501, 1508, 1511, 1514, 1539, 1543, 1563, 1571, 1585, 1600, 1616, 1632, 1642, 1647, 1658, 1665, 1685, 1701, 1703, 1708-1709, 1714, 1721-1722, 1730, 1733-1734, 1743-1744, 1772-1773, 1778, 1803, 1806-1807, 1809, 1818, 1826, 1831, 1833, 1858, 1862, 1868-1869, 1875, 1881, 1883, 1899, 1907, 1919, 1931, 1933, 1951, 1954-1955, 1979, 1990, 1994, 1997, 2010, 2019-2020, 2023, 2058, 2081, 2085, 2099, 2116, 2118, 2165-2166, 2181, 2183, 2186, 2190-2191, 2205, 2217, 2230, 2240, 2249, 2252, 2255-2256, 2277, 2282-2283, 2302, 2305, 2311, 2323, 2333, 2345, 2355, 2362-2363, 2370, 2373-2374, 2388, 2391, 2400, 2404, 2424, 2430, 2434, 2438, 2440-2442, 2478, 2484, 2488, 2500, 2514, 2526, 2542, 2553, 2564-2565, 2569, 2571, 2580, 2587-2589, 2603-2604, 2614, 2637, 2647, 2650, 2654, 2659, 2677, 2680-2681, 2683, 2692-2693, 2745, 2756, 2762, 2784, 2808, 2820-2822, 2838-2839, 2842, 2850, 2859, 2877-2878, 2882, 2884, 2896, 2899, 2923, 2928, 2937-2938, 2942, 2946, 2954, 2969, 2972, 2985, 2989, 2992-2994, 3018, 3038, 3046, 3066, 3068, 3097, 3111-3112, 3136, 3142-3143, 3174-3175, 3179, 3185, 3191, 3198, 3212, 3217, 3244, 3246, 3249, 3264
3265, 3271-3272, 3275, 3277, 3295, 3312, 3321, 3326, 3345, 3347-3348, 3360-3361, 3366, 3376, 3385, 3400, 3408, 3415, 3417, 3419, 3422, 3442, 3444, 3457, 3470-3471, 3483, 3507, 3525, 3532, 3539, 3594, 3598, 3607, 3609, 3623, 3634, 3637, 3650, 3656, 3668, 3680, 3690, 3695, 3699, 3703, 3705, 3709, 3726, 3731, 3740, 3745, 3760, 3814-3815, 3821, 3830, 3836-3837, 3849, 3871, 3890, 3895, 3900-3901, 3908, 3952-3953, 3962, 3972, 3978, 3994-3996, 4001, 4009, 4021, 4023-4024, 4030, 4034, 4036, 4052, 4058, 4080, 4105, 4128, 4135, 4141, 4160, 4184-4185, 4193, 4219, 4228, 4245-4246, 4249, 4254, 4256, 4263, 4273, 4275, 4285, 4288, 4302, 4318, 4334, 4339-4340, 4374, 4377, 4389, 4398, 4411, 4438, 4441-4442, 4461, 4467, 4472, 4475, 4479-4480, 4487, 4490, 4497, 4509, 4512, 4518, 4533, 4541, 4552, 4555, 4562, 4565, 4575, 4583-4584, 4590, 4636, 4639, 4651, 4659, 4676, 4694, 4707, 4711, 4717, 4721, 4723, 4730, 4732, 4741, 4759-4761, 4764-4765, 4770, 4779-4780, 4788, 4794, 4797-4798
PREGNANCY, ABDOMINAL: 2391
PREGNANCY, ANIMAL: 3, 71, 224, 359, 416, 947, 999, 1020, 1269, 1375, 1637, 1710, 1714, 1907, 2305, 2363, 2388, 2488, 2647, 2659, 2804, 3122, 3419, 3895, 3996, 4009, 4034, 4219, 4249, 4442, 4721
PREGNANCY COMPLICATIONS: 91, 169, 242, 396, 558, 590, 797, 923, 1040, 1197, 1730, 1743, 1803, 1868, 1883, 1899, 2023, 2058, 2205, 2256, 2373, 2391, 2500, 2553, 2569, 2692, 2764, 2938, 3142, 3272, 3321, 3444, 3457, 3507, 3539, 3703, 3709, 3726, 3890, 3972, 3995, 4228, 4256, 4285, 4340, 4479, 4541, 4590, 4676, 4794
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 151, 1187, 2400, 2500, 2604, 2680, 2692-2693, 3272, 3275, 4479, 4562, 4676
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 748, 923, 1095, 1155, 4730
PREGNANCY COMPLICATIONS, INFECTIOUS: 523, 695, 724, 1051, 1722, 1868, 3994
PREGNANCY, ECTOPIC: 38, 440, 1744, 2256, 2994, 3217, 3376, 4246
PREGNANCY IN DIABETES: 590, 1165, 2355, 2681, 2683, 2692, 3321, 3345, 4021, 4160
PREGNANCY, MULTIPLE: 590, 796, 1304, 2256, 2391, 2882, 3066, 3625, 4676
PREGNANCY, PROLONGED: 1831, 1869, 3321
PREGNANCY TESTS: 169, 1230, 1637, 1868, 1899, 2363, 3068, 3890, 4533
PREGNANCY TESTS, IMMUNOLOGIC: 1637, 1642, 3068, 4533
PREGNANCY TOXEMIAS: 169, 590, 695, 698, 1115-1116, 1187, 1304, 1422, 1875, 2023, 2073, 2249, 2500, 2677, 2681, 2692-2693, 3272, 3275, 3321, 3360, 3400, 3731, 3760, 4023-4024, 4334, 4479, 4562, 4676
PREGNANCY, TUBAL: 3217, 3906
PREGNANCY, UNWANTED: 3953
PREGNANEDIOL: 9, 120, 169, 283, 328, 723, 908, 1336, 1427, 1826, 2847-2848, 3512, 3609, 4093, 4377, 4415, 4487, 4531, 4718, 4760
PREGNANES: 320, 355, 409, 583, 737, 815, 908, 1089, 1336, 1463, 1532, 1852, 2317, 2577, 2780, 2865, 3034, 3490, 3531, 3609, 3759, 4088, 4173-4174, 4176, 4341, 4510, 4750, 4763
PREGNANETRIOL: 9, 796, 908, 1427, 2847-2848, 3170, 3512
PREGNATRIENES: 942, 1325, 2490, 2581, 3514
PREGNENES: 120-121, 346, 942, 1464, 1708, 2317, 3514, 3810, 3997
PREGNENOLONE: 36, 57, 262-263, 268, 294, 297, 346, 356, 927, 1303, 1778, 2293, 2370, 2964, 3034, 3236, 3259, 3396, 3611, 3813, 3856, 3875, 3960, 4078, 4139, 4165, 4415, 4510, 4621
PREMEDICATION: 2951, 3935
PRENATAL CARE: 208, 591, 923, 1868, 3265
PRENATAL DIAGNOSIS: 328, 348, 591, 964, 2191, 2500, 2942, 3275
PREOPERATIVE CARE: 803, 1238, 1504, 1599, 2951, 3074, 3104, 3251-3252, 3658, 3931, 4220, 4268, 4446
PRESERVATION, BIOLOGICAL: 4267, 4669
PRESSORECEPTORS: 1280, 1289, 1522, 2487
PRESSURE: 118, 165, 809, 1534, 1882, 2255, 3174, 3455, 3650, 3978, 3992
PREVENTIVE DENTISTRY: 1069
PRIMARY HEALTH CARE: 4766
PRIMATES: 1013, 1651, 3818, 4524
PRIMIDONE: 2329, 2423, 3483, 3965
PRISONERS: 2335
PRISONS: 2335
PROADIFEN: 729, 1982
PROBABILITY: 912, 1199, 1217, 3075, 4784
PROBENECID: 41, 81, 952, 1592
PROCAINE: 1232, 2203, 2552, 3300, 3688, 4113-4114
PROCARBAZINE: 1010, 1106, 1179, 2331, 2712, 3866, 3884, 4069, 4111, 4762
PROCHLORPERAZINE: 3708
PROGESTATIONAL HORMONES: 22, 120, 458, 473, 505, 694, 705, 868, 942, 1073, 1173-1174, 1230, 1325, 1370, 1951, 2334, 2351, 2565, 2581, 2677, 2972, 3032, 3257, 3284, 3690, 3732, 3768, 3781, 3849, 3997, 4071, 4078, 4467
PROGESTERONE: 5, 36, 103, 111, 125, 151, 169-170, 202, 222, 263-264, 268, 297, 302, 346, 350, 356, 395, 398-399, 427, 499-500, 506, 599, 611, 617, 619, 621, 652, 723-724, 746, 752-755, 770, 773-774, 792, 805-806, 808-809, 817, 829, 864, 867, 927, 935, 997, 1001, 1013, 1020, 1027, 1043, 1054, 1057-1058, 1061, 1132, 1156, 1164, 1171, 1212, 1241, 1284, 1295, 1318, 1350, 1369, 1375, 1460-1461, 1511, 1531, 1571, 1602, 1610, 1640, 1693, 1700, 1708-1710, 1774, 1797, 1809, 1853, 1907, 1926, 1943, 1951, 2003, 2014, 2019, 2134, 2152, 2190, 2235, 2252, 2282, 2293, 2310-2311, 2323, 2333, 2365, 2369, 2391, 2424, 2438, 2457, 2488, 2505, 2515, 2519, 2550, 2564-2565, 2572, 2598, 2622, 2637, 2653-2654, 2685, 2702, 2797, 2834, 2850, 2865, 2874, 2928, 2964, 2975, 2985, 3034, 3036, 3048, 3056, 3076, 3137, 3141, 3171-3172, 3174, 3176, 3185, 3230, 3236, 3276, 3284, 3381, 3390, 3408, 3442, 3487, 3531, 3576, 3608-3609, 3634, 3644, 3646, 3650, 3672, 3675, 3695, 3699, 3705, 3717-3718, 3729, 3770, 3798, 3813, 3816, 3822, 3849, 3863, 3867, 3885, 3888, 3960, 3988, 4034, 4078, 4093, 4130, 4133, 4135, 4139, 4194, 4219, 4228, 4245, 4249, 4264, 4318, 4321, 4411, 4415, 4462-4463, 4480, 4484, 4509-4510, 4513, 4531, 4533, 4543, 4571, 4577, 4607, 4738, 4761
PROGNOSIS: 122, 169, 197, 232, 309, 328, 418-419, 903, 984, 1080, 1106, 1216, 1318, 1381, 1481, 1489, 1498, 1887-1888, 1920, 1963, 2011, 2182, 2319, 2638, 2689, 2886, 2943, 2951, 3213, 3385, 3489, 3601, 3667, 3714, 4182, 4225, 4312, 4333, 4467, 4473, 4515, 4562, 4598
PROINSULIN: 1418, 2124, 3345, 3724, 4557, 4649
PROJECTIVE TECHNICS: 2193
PROLACTIN: 264, 300, 511, 619, 625, 631, 669, 690, 712-713, 846, 848, 919, 947, 1086, 1126, 1167-1168, 1189, 1198, 1243, 1309, 1383, 1418, 1461, 1483, 1544, 1570, 1604, 1606, 1647, 1688, 1709-1710, 1743, 1747-1748, 1754, 1806, 1853, 1991, 2013, 2024, 2060, 2224, 2255, 2285, 2305, 2472, 2561, 2563, 2581, 2839, 2946, 2974, 2997, 3109, 3198, 3248, 3295, 3496, 3536, 3649, 3657, 3661, 3671, 3673, 3718, 3767, 3852, 3977, 3989-3990, 4030, 4094, 4192, 4195, 4212, 4302, 4314, 4321, 4377, 4571, 4639-4640, 4644-4645, 4661, 4692
PROLINE: 2866, 3926, 3957
PROLINE HYDROXYLASE: 1260
PROMAZINE: 3708
PROMETHAZINE: 1692, 1744, 2105, 3237, 3242, 3259, 3424, 4226, 4350
PRONASE: 12, 171, 341, 1061, 1307, 1337, 1961, 3293, 3522, 3927
PRONETHALOL: 2073, 3088
PROPANIDID: 583, 1852, 4176
PROPIONATES: 162, 325, 376, 807-808, 1161, 1287, 1320, 1432, 1614, 1934, 2413, 2457, 2508, 2910, 3269, 3381, 3591, 3637, 3868, 3871, 3936, 3976, 4169
PROPIOPHENONES: 2258, 2552
PROPOXYPHENE: 42
PROPRANOLOL: 49, 243, 331, 340, 393, 455, 490, 514, 537, 567, 569, 810, 838, 936, 979, 1023, 1162, 1260, 1289, 1348-1349, 1398, 1457, 1459, 1546, 1565, 1574, 2073, 2145, 2236, 2270, 2379, 2400, 2481, 2520, 2529, 2604, 2741, 2908, 2970, 3015, 3017, 3030, 3063, 3113, 3163, 3286, 3343, 3601, 3660, 3858, 3931, 3959, 4127, 4229, 4255, 4286, 4399, 4446, 4508
PROPRIOCEPTION: 397
PROPYLAMINES: 326
PROPYLTHIOURACIL: 2135, 2394, 2970, 4036
PROSPECTIVE STUDIES: 127, 234, 803, 1422, 3251, 4223, 4261, 4476
*PROSTAGLANDINS: 5, 66, 68, 114, 119, 147, 158, 162, 165, 176, 194-195, 204, 264, 270, 276, 289, 305, 316, 322, 330, 337, 393, 398-399, 430-432, 434, 463-464, 530-531, 548, 575, 581, 610-611, 620, 629, 631, 633, 637, 640, 652, 730, 746, 750, 765, 777-779, 801, 805, 809, 812, 817, 823, 839, 843, 909, 936-937, 943, 968, 973, 983, 988, 996, 999, 1043-1044, 1051, 1063-1064, 1104, 1138, 1144, 1175, 1195, 1235, 1237, 1288, 1348-1349, 1358, 1383, 1455, 1533, 1545, 1556, 1563, 1568, 1570-1571, 1592, 1600, 1623, 1635, 1657-1658, 1707, 1714, 1746, 1795, 1815, 1836, 1859, 1862, 1881-1882, 1907, 1914, 1921, 1953-1954, 1959, 2001, 2031, 2036, 2095-2096, 2147, 2213, 2220, 2228, 2252, 2282-2285, 2310-2311, 2323, 2341, 2344, 2358-2359, 2377, 2384, 2392, 2395-2397, 2403, 2418, 2424, 2441, 2452, 2466, 2489, 2540, 2548-2549, 2583, 2591-2592, 2621, 2747, 2783, 2813, 2842, 2867, 2916, 2932, 2954, 2968, 3007, 3024, 3055, 3063, 3127, 3136, 3168, 3174, 3197, 3199, 3264-3265, 3305-3306, 3352, 3354, 3363, 3368, 3427, 3436-3437,

3571, 3577, 3643-3646, 3650, 3693, 3699, 3731, 3813, 3837, 3842, 3849, 3860, 3867, 3900, 3924, 3927, 3942, 3951, 3978, 4005, 4023-4024, 4027-4029, 4033, 4039, 4086-4087, 4104, 4135, 4146, 4194, 4205, 4217, 4234, 4249, 4275, 4294-4295, 4334, 4364-4365, 4374, 4379, 4425, 4456, 4493, 4495, 4497, 4502, 4531-4533, 4571, 4575, 4579-4580, 4582, 4602, 4699, 4713, 4729, 4735, 4742-4744, 4754, 4764, 4805
PROSTATE: 52, 256, 406, 483, 764, 791, 848, 910, 984, 1227, 1366, 1370, 1405, 1561, 1569, 1799, 1841, 1858, 2009, 2061, 2411, 2558, 2593, 2618, 2865, 2903, 2997, 3060, 3281, 3313, 3517, 3746, 3817, 3877, 4120, 4254, 4380, 4392, 4457, 4632, 4719
PROSTATECTOMY: 815, 841, 905, 1792, 2602
PROSTATIC DISEASES: 905
PROSTATIC HYPERTROPHY: 483, 841, 905, 1366, 2108, 2558, 3128, 4066
PROSTATIC NEOPLASMS: 59, 278, 905, 984, 1049, 1792, 2011, 2094, 2108, 2499, 3261, 3777, 3870, 4182, 4515
PROSTATITIS: 905
PROSTHESIS: 3182
PROTAMINES: 2526, 3462
PROTEIN BINDING: 19, 75, 83, 139, 146, 156, 203, 207, 213, 215, 245, 337, 340, 351, 406, 484-485, 497, 685, 710, 749, 753, 773, 788, 795, 811-812, 843, 894, 992, 1005, 1022, 1215, 1296, 1338, 1355, 1368, 1379, 1392, 1396, 1482, 1561, 1610, 1628, 1688, 1710, 1751, 1809, 1845, 1895, 2009, 2014, 2018, 2022, 2090, 2106, 2113-2114, 2118, 2212, 2347, 2362, 2418, 2450, 2494, 2523, 2550, 2559, 2572, 2585, 2593, 2618, 2637, 2667, 2734-2735, 2768, 2821, 2962, 2967, 2983, 3069, 3089, 3171, 3185, 3211, 3236, 3281, 3284, 3364, 3399-3400, 3407, 3434, 3436, 3501, 3583, 3705, 3739, 3822, 3901-3903, 3969, 3979, 3988, 4030, 4046-4047, 4061-4062, 4066, 4119, 4138, 4152, 4163, 4227-4228, 4242, 4262, 4282, 4298, 4302, 4326, 4380, 4398, 4469, 4513, 4538, 4543, 4564, 4607, 4654, 4659
PROTEIN-BOUND IODINE TEST: 44, 274, 535, 752, 800, 1326, 1397, 1453, 1698, 1733, 1814, 1894, 1944, 1969, 1990, 2028, 2081-2082, 2099, 2121, 2167, 2314, 2447, 2523, 2860, 2947, 3279, 3310, 3335, 3457, 3460, 3527, 3706-3707, 3836, 3918, 4072, 4085, 4163, 4281, 4413, 4460, 4569, 4724
PROTEIN-CALORIE MALNUTRITION: 1833
PROTEIN CONFORMATION: 293, 351, 704, 916, 1018, 1233, 1628, 2090, 2891, 4096, 4276
PROTEIN DEFICIENCY: 2553, 2743-2744, 3709
PROTEIN DENATURATION: 1663, 1701, 1800, 3705, 4049, 4276
PROTEIN HYDROLYSATES: 682, 1152, 1309, 3110
PROTEIN KINASE: 207, 353, 429, 710, 730, 843, 890, 936, 989, 1399, 1799, 1962, 2038, 2212, 2494, 2808, 2858, 3228, 3573, 3660, 3897, 4061, 4180, 4469, 4520, 4735
PROTEIN-LOSING ENTEROPATHIES: 3563, 4049, 4746
PROTEIN PRECURSORS: 4432
PROTEINS: 20, 102, 202, 247, 437, 543, 580, 632, 749, 794, 812, 891, 915, 1077-1078, 1259, 1301, 1309, 1342, 1374, 1385, 1506, 1641, 1654, 1678, 1877, 1895, 1974, 2057, 2069, 2213, 2289, 2327, 2347, 2458, 2460, 2494, 2509, 2745, 2750, 2758, 2942, 2952, 3014, 3018, 3121, 3131, 3236, 3248, 3271, 3289, 3324, 3400, 3426, 3503, 3532, 3605-3606, 3661, 3687, 3746, 3779, 3787, 3820, 3902, 4019, 4048, 4054, 4286-4287, 4327, 4354, 4465, 4478, 4522, 4547, 4584, 4613, 4631, 4638, 4719, 4736
PROTEINURIA: 139, 163, 197, 751, 761, 876, 1228, 1879, 2681, 3383, 4340, 4562
PROTEUS: 1602, 3239
PROTHROMBIN: 449, 4138
PROTHROMBIN TIME: 276, 458, 664, 2827, 4162
PROTOPLASTS: 4417
PROTOZOA: 2885
PRURITUS: 876, 3446, 4541
PRURITUS VULVAE: 22
PSEUDOHERMAPHRODITISM: 677, 1176, 1554, 1903, 2127, 2684, 3612, 4450
PSEUDOHYPOPARATHYROIDISM: 745, 1609
PSEUDOMONAS: 688, 1602
PSEUDOMONAS AERUGINOSA: 1191, 2929
PSEUDOPREGNANCY: 350, 445, 770, 864, 1708, 2305, 2565, 3055, 3695, 3849, 4639
PSEUDOPSEUDOHYPO- PARATHYROIDISM: 2198
PSEUDOTUMOR CEREBRI: 275, 615, 1923
PSEUDOURIDINE: 1505
PSITTACINES: 3528
PSORIASIS: 6, 409, 1164, 1242, 1724, 1878, 3327, 3551, 3736, 4044, 4148, 4375
PSYCHIATRIC STATUS RATING SCALES: 2766
PSYCHOANALYTIC INTERPRETATION: 1794
PSYCHOANALYTIC THEORY: 2101
PSYCHOLOGICAL TESTS: 558, 2277
PSYCHOLOGY: 1693, 1861, 1940, 2309, 3684
PSYCHOMOTOR DISORDERS: 4122
PSYCHOPHARMACOLOGY: 2345, 4358
PSYCHOPHYSIOLOGIC DISORDERS: 1645, 2119, 2354, 2874, 3194, 4283
PSYCHOPHYSIOLOGY: 78, 4358
PSYCHOSES: 426, 3280
PSYCHOSES, MANIC-DEPRESSIVE: 136, 800, 1019, 1302, 1326, 2402, 2749, 3683, 4170
PSYCHOSES, ORGANIC: 4170-4171
PSYCHOSES, TOXIC: 2371, 4172
PSYCHOSEXUAL DEVELOPMENT: 2229
PSYCHOSOCIAL DEPRIVATION: 3435, 4170
PSYCHOTHERAPY: 173, 1645, 1970, 3781
PTERIDINES: 3041
PTERINS: 2474
PUBERTY: 105, 152, 217, 319, 402, 703, 768, 861, 967, 1050, 1121, 1159, 1216, 1246, 1262, 1484, 1589, 1693, 1704, 2101, 2119, 2182, 2194, 2229, 2313, 2503, 2539, 2793-2794, 2818, 2825-2826, 2854, 3035, 3408, 3490, 3684, 3782, 3792, 3834, 3929, 3941, 4156, 4160, 4201, 4283, 4353, 4481, 4690, 4749
PUBERTY, PRECOCIOUS: 327, 418-419, 722, 1107, 1318, 1589, 1827, 1905, 2721, 2923, 3408, 3556, 4014, 4035, 4157
PUBLIC OPINION: 2338, 3934
PUERPERAL DISORDERS: 1705, 2896, 3111-3112, 3598, 4467
PUERPERAL INFECTION: 417, 523, 695, 3994
PUERPERIUM: 125, 154, 695, 867, 1116, 1198, 1312, 1416, 1772, 2023, 2542, 2859, 3136, 3143, 3507, 3525, 3634, 3890, 4723
PUERTO RICO: 3253
PULMONARY ALVEOLI: 46, 3213, 4576
PULMONARY ARTERY: 49, 66, 736, 865, 1759, 2403, 3579, 3604, 4313, 4791
PULMONARY CIRCULATION: 49, 66, 1525, 2898, 4576, 4725, 4791
PULMONARY EDEMA: 181, 361, 1353, 1457, 4576
PULMONARY EMBOLISM: 1319, 1353, 2112, 2769, 2981, 3371, 3375, 4576, 4691, 4791
PULMONARY EMPHYSEMA: 1353, 3520, 4448
PULMONARY FIBROSIS: 46, 3213
PULMONARY HEART DISEASE: 2315
PULMONARY VALVE STENOSIS: 717
PULMONARY VEINS: 865, 1759, 2403, 3059, 4313
PULSE: 168, 606, 886, 1715, 2359, 2441, 2819, 2854, 3289, 3549, 4176
PUNCTURES: 254, 802, 1021, 1521, 2130, 2615, 3335
PUNISHMENT: 562
PUPA: 135, 411, 1764, 3346, 4327, 4620
PUPIL: 267, 3441
PURINE NUCLEOTIDES: 273, 1721
PURINES: 1721
PURKINJE CELLS: 1707, 3712
PUROMYCIN: 1855, 2025, 2057, 2139, 2336, 3293, 3456, 3599, 3661, 3687
PURPURA: 478, 1125, 2538, 3032
PURPURA, THROMBOPENIC: 549, 588, 851, 1155, 1382, 2097, 3049, 3502
PURPURA, THROMBOTIC THROMBOPENIC: 2827
PUTRESCINE: 901, 1428, 1448, 1589, 2618
PYELONEPHRITIS: 163, 724, 1151, 2477, 3568
PYLORIC ANTRUM: 316, 1321
PYLORUS: 1063, 1194, 1321, 1486
PYODERMA: 246
PYRAMIDAL TRACTS: 72, 3365
PYRANS: 2697
PYRAZINES: 2268, 3980
PYRAZOLES: 162, 337, 355, 936, 1398, 2490, 3776, 4541
PYRIDINES: 299, 336, 962, 1699, 2337, 3503, 4313
PYRIDINIUM COMPOUNDS: 1379, 2651
PYRIDINOLCARBAMATE: 3061
PYRIDOXAL PHOSPHATE: 75
PYRIDOXINE: 125, 1117, 1198, 3459, 4231
PYRIMIDINE NUCLEOTIDES: 273
PYRIMIDINES: 1400, 2480, 2696, 3656
PYROGALLOL: 3448
PYROGENS: 1101, 1854
PYROPHOSPHATASES: 3910
PYROPHOSPHATES: 594, 858, 1752, 1795, 3602, 3858, 3910
PYROPHOSPHORIC ACIDS: 179, 2544
PYRROLES: 2268, 3356
PYRROLIDINES: 1201, 2414, 2651, 3721
PYRROLIDINONES: 112, 3961
PYRUVATE DEHYDROGENASE COMPLEX: 1066
PYRUVATE KINASE: 1678, 1723
PYRUVATE OXIDASE: 2773
PYRUVATES: 300, 674, 734, 1076, 1499, 1723, 2132, 2187, 2530, 2677, 2759, 3776, 3807, 4263, 4419
PYURIA: 3256

Q

QUACKERY: 4290
QUADRUPLETS: 1304
QUAIL: 828, 1657, 2357, 3012, 3530, 3711, 3832
QUALITY CONTROL: 219, 3245, 3688
QUALITY OF HEALTH CARE: 1566
QUEBEC: 249
QUESTIONNAIRES: 4541
QUINACRINE: 553, 832-833, 2061, 2208, 2987, 4367
QUINAZOLINES: 882
QUINESTROL: 3487
QUINGESTANOL: 120
QUINIDINE: 1136, 4251
QUININE: 4113-4114, 4492
QUINOLINES: 1983, 4206
QUINONES: 37, 4031

R

RABBITS: 5, 42, 49, 60, 75, 81, 85-87, 92, 94, 101, 111, 119, 154, 157, 204, 233, 258, 261, 267, 368, 374, 389, 430-432, 434, 437, 473, 502, 530, 582, 586-587, 599, 612, 617, 630, 646, 649, 652, 681-683, 710-711, 730, 749, 751, 769-770, 782, 789, 793, 801, 805, 810, 839, 846, 852, 864, 910, 913, 916, 928, 949, 952, 965, 986, 990, 992, 999, 1034, 1047, 1051, 1059, 1061, 1092, 1170-1171, 1181, 1195, 1209, 1218, 1220, 1233, 1241, 1245, 1260, 1266, 1282, 1333, 1355-1356, 1371, 1373, 1384-1385, 1402, 1409, 1412, 1449, 1459, 1496, 1560, 1568, 1589, 1593, 1639, 1656, 1700, 1736, 1795, 1798, 1805, 1815, 1845, 1847-1848, 1851, 1874, 1877, 1922, 1938, 1954, 1959, 1982-1983, 2005-2006, 2009, 2013-2014, 2044-2045, 2084, 2086, 2096, 2138, 2150, 2174, 2188, 2190, 2252, 2324, 2341, 2350, 2352, 2358, 2364, 2372, 2377, 2384, 2395, 2397, 2410, 2460, 2465, 2474, 2498, 2503, 2508, 2517, 2564, 2589, 2598, 2667, 2674, 2676, 2688, 2696, 2706, 2734-2735, 2756, 2785, 2808, 2813, 2916, 2921, 2931, 2939, 2973-2974, 2977, 3000, 3007, 3022-3024, 3033, 3037, 3055, 3062-3063, 3093, 3126, 3132, 3158, 3173, 3181, 3195, 3204, 3294, 3304-3306, 3317, 3323-3324, 3357, 3404, 3428, 3440, 3451, 3549, 3553, 3565, 3579, 3592, 3597, 3603, 3647, 3666, 3672, 3686, 3693, 3704, 3708, 3716, 3728-3730, 3763, 3778, 3783, 3791, 3798, 3813, 3850, 3858, 3876, 3888, 3890, 3897-3898, 3904, 3933, 3935, 3937-3938, 3960, 3978, 3982, 3997, 4002, 4019, 4024, 4026, 4028-4029, 4061-4063, 4105, 4116, 4141, 4193, 4251, 4253, 4262, 4277, 4279, 4296, 4300, 4302, 4315, 4346, 4365, 4374, 4381, 4389, 4428, 4432-4434, 4451, 4491, 4495, 4538, 4544, 4546, 4551, 4571, 4577, 4601, 4605, 4619-4620, 4664-4665, 4670, 4680, 4692-4693, 4696, 4699, 4705, 4729, 4743-4744, 4798-4799
RABIES: 2933
RABIES VACCINE: 4441
RABIES VIRUS: 906, 2933
RACIAL STOCKS: 1722, 2882, 2923, 4100, 4481
RADIATION CHIMERA: 82, 600, 3589
RADIATION DOSAGE: 662-663, 763, 1340, 2092, 2295, 3117, 3557, 3878
RADIATION EFFECTS: 163, 182, 265, 413, 507, 533, 600, 642, 662-663, 707, 771, 917, 1119, 1145, 1340, 1342, 1344, 1503, 1514, 1529, 1564, 1677, 1808, 2070, 2092, 2135-2136, 2144, 2214, 2243, 2342, 2499, 2534, 2554, 2587, 2609, 2685-2686, 2800, 2949, 3319, 3403, 3878, 4139, 4370, 4630, 4636, 4658, 4708, 4726, 4776
RADIATION GENETICS: 4486
RADIATION INJURIES: 2852, 3547, 4020, 4068, 4486

RADIATION INJURIES, EXPERIMENTAL: 39, 1324, 2045, 2070, 2612, 2941, 3859, 4419
RADIATION PROTECTION: 1340, 2243, 3557
RADIATION-PROTECTIVE AGENTS: 1616, 1753, 2136, 2612, 2936, 3859
RADIO WAVES: 2416
RADIOACTIVE FALLOUT: 413
RADIOGRAPHIC MAGNIFICATION: 2606, 2782, 3393
RADIOGRAPHY: 1469, 2243, 3452
RADIOGRAPHY, DENTAL: 4624
RADIOIMMUNOASSAY: 89, 92, 111, 126, 145, 178, 218-219, 226, 242, 258-259, 281, 282, 301, 314, 319, 348, 351, 439, 511, 515, 529-530, 546, 552, 571, 599, 602, 605, 611, 617, 620, 635, 664, 666, 669, 673, 712, 740, 746, 753, 757, 765, 793, 813, 816, 829, 859, 874, 947-949, 978, 986, 1001, 1011, 1050, 1060, 1092-1093, 1103, 1123, 1127, 1189, 1215, 1233, 1236-1237, 1239, 1241, 1243, 1250-1251, 1265, 1286, 1304, 1312, 1318, 1352, 1375-1376, 1384, 1402, 1418, 1422, 1427, 1461, 1471, 1497, 1543, 1553, 1570, 1582, 1588-1589, 1593, 1604, 1618, 1620, 1658, 1668, 1709-1710, 1725, 1735, 1773, 1791, 1815, 1822, 1824-1825, 1827, 1837, 1857, 1862-1863, 1890, 1905-1906, 1954, 1980, 2013, 2022, 2084, 2093, 2110, 2115, 2118, 2138, 2307, 2311, 2313, 2316, 2324, 2362, 2377, 2396-2397, 2419, 2434, 2472, 2475, 2498, 2515, 2521, 2535, 2571, 2581, 2598, 2610, 2631, 2653, 2667, 2753, 2810, 2813, 2833, 2859, 2875, 2882, 2890, 2900, 2905, 2912-2913, 3004, 3012, 3022, 3036, 3062, 3066, 3069, 3072, 3084, 3088-3089, 3119, 3132, 3136, 3138, 3149-3150, 3201, 3214, 3231, 3294, 3321, 3350, 3363, 3389, 3411, 3413, 3427, 3516, 3524, 3554-3555, 3568, 3583, 3597, 3608-3609, 3634, 3643-3649, 3666, 3686, 3693-3694, 3699, 3711, 3726, 3743, 3749, 3753, 3755, 3777, 3826-3827, 3844, 3849, 3867, 3880, 3888, 3890, 3899, 3904, 3917, 3921, 3977, 3988, 4014-4015, 4019, 4021, 4026, 4063, 4072, 4089, 4133, 4161, 4186, 4191-4192, 4205, 4212, 4240, 4242, 4261, 4277, 4279, 4294, 4310, 4314, 4326, 4346, 4365, 4374, 4389-4390, 4402, 4432, 4451, 4461, 4533-4534, 4539, 4549, 4551, 4556, 4568, 4571, 4578, 4584, 4645, 4649, 4676, 4680-4681, 4692, 4696, 4699, 4706, 4715, 4717, 4720, 4743-4744, 4786
RADIOISOTOPE DILUTION TECHNIC: 1376, 2286, 3453, 3531
RADIOISOTOPE RENOGRAPHY: 2378
RADIOISOTOPE SCANNING: 149, 175, 255, 495, 518, 526, 664, 763, 905, 987, 1119, 1137, 1283, 1311, 1353, 1468, 1470, 1719, 1729, 1733, 1752, 1782, 1824, 1976, 2052, 2075, 2078-2080, 2092, 2159, 2244, 2589, 2727, 2788, 2796, 2863, 2935, 2961, 2983, 2999, 3019, 3057, 3075, 3279, 3475, 3526, 3557, 3604, 3918, 4072, 4257, 4655, 4672
RADIOISOTOPE TELETHERAPY: 842, 4464
RADIOISOTOPES: 175, 255, 280, 518, 592, 601, 693, 763, 1340, 1353, 1620, 1734, 1993, 2079, 2295, 2589, 3019, 3348, 3517, 3557, 3586, 3825, 3936, 4380, 4672
RADIOLIGAND ASSAY: 485, 555, 1215, 1907, 1985, 2190, 2372, 2408, 3092, 3449, 3719, 3753, 4062, 4265, 4314, 4318, 4532
RADIOMETRY: 2243, 2983
RADIOTHERAPY: 1119, 1408, 1564, 1808, 3011, 3547, 4020, 4068, 4630, 4788
RADIOTHERAPY DOSAGE: 461, 842, 1010, 1106, 1119, 1564, 1819, 2712, 2781, 3011, 3502, 3631, 4020, 4068, 4535, 4666-4667
RADIOTHERAPY, HIGH ENERGY: 507, 957, 3502
RADIUM: 1808
RADIUS: 1788, 3455, 3654, 4392, 4447
RANA: 1221, 2978
RANA CATESBEIANA: 690, 969, 1475, 1604, 2085, 2688, 2945, 4504
RANA ESCULENTA: 393, 3426
RANA PIPIENS: 1249, 1550, 1604, 2557, 2685-2686, 2733, 3113, 3176, 3240, 3771, 4430
RANA TEMPORARIA: 393, 1545, 1574, 3227
RANVIER'S NODES: 472, 2701
RATS: 3, 12, 19, 23, 27, 39-41, 47, 49, 51-52, 54, 56-57, 61, 63, 69, 71, 80-81, 88, 90, 93, 105, 108, 114-116, 124, 126, 128, 142, 147, 158, 160, 166-167, 170, 174, 184, 186, 188, 196, 202, 209, 212-213, 222, 239-240, 245, 247-248, 250, 256, 258, 262, 268, 277, 279, 282, 292, 294, 299, 312, 315-316, 318, 322, 325, 334, 345-346, 350-351, 353, 355-356, 358, 363, 368, 371-372, 375-376, 384-385, 388-389, 397, 406, 423-424, 428, 432, 438, 442, 445, 457-458, 468-469, 474, 486, 489, 493, 496, 502-503, 508-509, 513, 530, 537, 543, 555, 562, 572, 577-578, 589, 595, 602, 608, 622, 624, 630-631, 633, 636-637, 644, 653-654, 656, 665, 673-674, 677-678, 682-683, 689, 715, 718, 724-727, 729, 733-735, 741-742, 764, 767, 769, 772-775, 782-783, 785, 791, 798, 804, 806-808, 812, 818-819, 822, 835, 846, 848-849, 853, 866, 870-871, 873, 877, 887, 891, 898, 911, 922, 926-928, 931, 937, 946-947, 954, 961-962, 969, 973-974, 978-979, 991, 996-999, 1002, 1007-1009, 1014-1015, 1018, 1020, 1025, 1027, 1034, 1042-1043, 1052-1053, 1058-1059, 1063, 1079, 1081, 1086, 1093, 1096, 1104, 1114, 1118, 1124, 1132, 1141-1143, 1172, 1189, 1194-1195, 1200, 1222, 1225, 1232, 1236-1237, 1239-1240, 1245, 1248, 1250, 1252, 1265-1266, 1273, 1275, 1288, 1290, 1293, 1295-1296, 1303, 1309-1310, 1316, 1320, 1324, 1326, 1342-1343, 1345-1349, 1358, 1362, 1368, 1370, 1373, 1376, 1378, 1385, 1388, 1391-1392, 1394, 1400, 1403-1405, 1417, 1426, 1434, 1437, 1439, 1458-1459, 1461, 1477, 1482-1483, 1486, 1493, 1497, 1502, 1506-1507, 1509, 1514, 1526, 1530, 1533, 1536-1537, 1539, 1549, 1551, 1555, 1557, 1560-1561, 1563, 1565, 1569-1570, 1572, 1576, 1584, 1587-1588, 1592, 1599, 1604, 1614, 1619, 1622, 1624, 1629, 1633, 1644, 1646, 1650, 1654, 1662, 1665, 1673-1674, 1679, 1681, 1683, 1686, 1688, 1690, 1694, 1699, 1702, 1707-1708, 1714, 1726-1727, 1731, 1734, 1736, 1740-1742, 1747, 1750, 1763, 1770, 1780, 1784, 1786, 1788, 1797, 1799-1802, 1804, 1810, 1812, 1823, 1838-1839, 1843, 1853 1854, 1856-1857, 1862, 1872, 1874, 1876-1877, 1889, 1895-1896, 1900, 1908-1910, 1914-1915, 1917, 1921, 1926, 1930, 1932, 1937, 1942, 1945, 1950, 1953, 1962, 1968, 1974, 1977-1981, 1983-1984, 1989-1993, 1999, 2002, 2015, 2018, 2024-2025, 2051, 2058, 2064, 2066, 2068-2070, 2075-2076, 2083, 2096, 2104, 2106, 2111, 2123, 2128, 2131-2132, 2134-2135, 2142-2143, 2149-2151, 2153-2154, 2160, 2162-2163, 2168, 2170-2171, 2180, 2190, 2195, 2204, 2207, 2219, 2223, 2226, 2228, 2234-2235, 2251-2253, 2255, 2259, 2261, 2268, 2270-2271, 2276, 2280, 2282-2283, 2285, 2293, 2303, 2305, 2316, 2318, 2322, 2325-2328, 2336, 2348, 2350, 2365, 2372, 2374, 2379, 2387-2390, 2393-2394, 2407-2408, 2411, 2413-2415, 2419, 2427-2429, 2437, 2444, 2452, 2454, 2459, 2463, 2472-2474, 2477-2478, 2487, 2495, 2497, 2501, 2509, 2513, 2516, 2518, 2522-2524, 2528-2529, 2532-2533, 2539, 2547, 2550, 2552-2553, 2557-2559, 2564-2565, 2581-2582, 2592-2593, 2595-2597, 2608-2609, 2614, 2618-2619, 2622, 2630, 2636-2637, 2641, 2647, 2652, 2654, 2663, 2670, 2676, 2679, 2695, 2697-2698, 2708, 2714, 2717-2719, 2722-2724, 2728, 2741, 2743-2746, 2750, 2754, 2762, 2768, 2773, 2777-2778, 2790, 2792, 2798-2799, 2813, 2815-2816, 2829, 2832, 2841, 2845, 2853, 2858, 2865, 2870, 2876, 2903, 2906-2908, 2914-2915, 2919, 2921, 2926, 2929, 2934, 2939, 2941, 2950, 2952, 2958-2960, 2963, 2966, 2968, 2970-2971, 2973, 2975-2976, 2983, 2990-2991, 2996-2998, 3001-3003, 3016, 3023, 3034, 3039, 3041, 3043-3044, 3047, 3050, 3053, 3060, 3069, 3079-3080, 3088, 3096, 3101-3102, 3109, 3114, 3118, 3125, 3127, 3131-3132, 3138, 3144-3145, 3147, 3158, 3163, 3172, 3174, 3178, 3186-3187, 3194, 3201-3203, 3227, 3229, 3240, 3247-3248, 3263-3265, 3267, 3271, 3281, 3283-3284, 3290, 3294, 3300, 3305-3306, 3313, 3315-3316, 3323, 3328, 3333, 3336-3337, 3341-3342, 3345, 3355-3356, 3361-3362, 3364-3365, 3381-3382, 3386, 3390, 3396, 3404, 3407-3408, 3412, 3417, 3422, 3424, 3427, 3434, 3440, 3445, 3448-3449, 3455, 3461, 3464 3465, 3472, 3477, 3490, 3492, 3494, 3496, 3498, 3504, 3517, 3527, 3531, 3537, 3548, 3554, 3559, 3561, 3565-3566, 3576, 3606, 3610-3612, 3616-3617, 3620, 3623-3624, 3627, 3636, 3638, 3643, 3645-3646, 3649, 3653, 3658, 3661-3663, 3673, 3675, 3680, 3689, 3692, 3695, 3705, 3708-3710, 3716-3717, 3719-3720, 3722-3723, 3732, 3743, 3746-3747, 3753, 3757-3758, 3767, 3772, 3774-3775, 3783, 3792, 3799-3800, 3814, 3817, 3819, 3822, 3824, 3830, 3838, 3856, 3860, 3862-3863, 3865, 3867-3871, 3873, 3877, 3881, 3890, 3904, 3919, 3922-3925, 3927, 3939-3940, 3942-3943, 3952, 3957, 3966-3967, 3969, 3972, 3977, 3979, 3982, 3987, 3992, 3998, 4003-4004, 4027, 4030-4031, 4036, 4046, 4051, 4060, 4062, 4064, 4070, 4074-4075, 4078, 4080, 4083, 4090, 4095-4099, 4104, 4115, 4120, 4123-4124, 4136, 4138-4140, 4145, 4147, 4158, 4162, 4165, 4167, 4169, 4173, 4177, 4179-4180, 4195, 4197, 4206, 4212, 4217, 4219, 4243, 4262, 4264, 4266, 4271-4274, 4282, 4286, 4292-4295, 4305, 4309-4311, 4321-4322, 4326, 4328, 4330, 4335, 4345, 4348, 4350, 4354, 4361, 4364, 4373, 4376, 4381-4382, 4384, 4390, 4400, 4404-4405, 4412, 4415, 4419, 4435, 4452, 4457, 4459, 4485-4486, 4489-4470, 4472, 4474, 4476, 4478, 4480, 4482, 4484, 4491-4492, 4494-4495, 4497, 4499-4500, 4503, 4508, 4524, 4537, 4545, 4548, 4557, 4571, 4575, 4579, 4582, 4585-4586, 4593, 4599, 4601, 4605, 4607, 4613-4615, 4623, 4629, 4631-4633, 4638-4640, 4645, 4653-4654, 4671-4674, 4679, 4682, 4684, 4695, 4697-4698, 4708, 4719, 4723-4724, 4726, 4733, 4735-4736, 4738, 4744, 4773, 4778, 4781-4782, 4788, 4793-4794, 4796-4797
RATS, INBRED STRAINS: 19, 57, 115, 678, 775, 1079, 1275, 1493, 1685, 2123, 2522, 2903, 3477, 3494, 3643, 3992
REACTION TIME: 2066, 2098, 2410, 2960, 4434
RECEPTORS, ADRENERGIC: 86, 340-341, 496, 537, 1289, 1472, 1504, 1546, 1874, 1983, 2104, 2654, 3088, 3113, 3215, 3266, 3343, 3708, 3842, 4086-4087, 4647
RECEPTORS, CHOLINERGIC: 537, 627, 4215
RECEPTORS, DRUG: 20, 136, 209, 322, 331, 531, 626-627, 665, 773, 812, 916, 1025, 1400, 1418, 1761, 1932, 2068, 2103, 2306, 2346-2347, 2990, 3927, 3980, 4215, 4298, 4313, 4444, 4561
RECEPTORS, HORMONE: 80, 88, 247, 292, 387, 403, 406, 484-485, 497, 602, 713, 767, 811, 863, 907, 1295-1296, 1392, 1482, 1561, 1641, 1674-1675, 1678, 1688, 1895, 1974, 2009, 2190, 2372, 2389, 2408, 2411, 2450, 2461, 2509, 2550, 2557, 2559, 2593, 2620, 2768, 2797, 3121, 3284, 3449, 3537, 3583, 3901-3903, 3969, 3998, 4066, 4094, 4158, 4262, 4265, 4302, 4449, 4456-4457, 4561, 4657, 4773
RECEPTORS, NEURAL: 403, 444, 1233, 2180, 2843, 3244
RECOMBINATION, GENETIC: 1184, 3180, 3471, 3508, 4144, 4488
RECORDS: 3020
RECTAL NEOPLASMS: 758, 869, 2125
RECTUM: 266, 570, 769, 1268, 1511, 2171, 2357, 2363, 2519, 2600, 2813, 3305, 3383, 3914, 4774
RECURRENCE: 43, 198, 155, 498, 549, 649, 655, 686, 708, 799, 1105, 1518, 1531, 1860, 2401, 2448, 2471, 2476, 2485, 2649, 2801, 2881, 3111, 3212, 3474, 3497, 3552, 3785, 3915, 3920, 4068, 4312, 4319, 4396, 4588, 4791
RED NUCLEUS: 2368
REFLEX: 34, 107, 234, 725, 738, 1153, 1828, 2032, 2556, 2879, 3244, 4072, 4088, 4642
REFLEX, ABNORMAL: 236, 1177
REFLEX, MONOSYNAPTIC: 835
REFLEX, TENDON: 1906
REFRACTION, OCULAR: 2638
REFRACTIVE ERRORS: 3569
REFRACTORY PERIOD, NEUROLOGIC: 1133
REGENERATION: 16-17, 345-346, 679, 1220, 1830, 2026, 2050, 2856, 2924, 3729-3730, 4330, 4504, 4629
REGIONAL BLOOD FLOW: 4, 13, 165, 334, 738, 1237, 1585, 1656, 1682, 1746, 1923, 1993, 2240, 2310, 2358-2359, 2378, 2489, 2592, 2615, 2650, 2909, 3030, 3055, 3825, 4024, 4452, 4622
REGRESSION: 3726
REGRESSION ANALYSIS: 1931, 4124, 4476
REINFORCEMENT (PSYCHOLOGY): 47, 562, 735, 3101, 3898, 3985
REINFORCEMENT SCHEDULE: 572, 1633, 2076, 3125, 4474
REITER'S DISEASE: 3915
RELIGION: 433, 923, 4481
REMISSION: 104, 670, 676, 761, 1105-1106, 1228, 1531, 1655, 1732, 1879, 1888, 2218, 2331, 2617, 2689, 2708, 2868, 3189, 3552, 3866, 3920, 4111, 4188
RENAL ARTERY: 4, 597, 1577, 2378, 2902, 3971, 4089
RENAL ARTERY OBSTRUCTION: 514, 930, 1169, 1577, 2378, 3562, 4364
RENAL OSTEODYSTROPHY: 618, 858, 2642, 3019, 3655, 4151, 4299, 4751
RENAL TUBULAR TRANSPORT, INBORN ERRORS: 2841
RENAL VEINS: 1253, 1740, 2183, 2673-2674, 2902, 3570, 4011, 4089
RENIN: 4, 108, 174, 259, 266, 456, 514-515, 581, 684, 757, 769, 776, 788, 855, 882, 886, 930, 1034, 1051, 1059, 1144, 1169, 1254-1257, 1289-1291, 1323, 1422, 1433, 1577, 1605, 1715, 1740, 1746, 1866,

2022, 2033, 2037, 2073, 2100, 2109, 2145, 2222, 2257, 2317, 2320, 2352, 2378-2379, 2440, 2487, 2536, 2610, 2640, 2673-2674, 2746, 2831, 2902, 2905, 3076, 3084, 3116, 3147, 3263, 3340, 3350, 3377, 3410, 3493, 3542, 3546, 3562, 3568, 3570, 3630, 3891, 3959, 3993, 4023-4024, 4089, 4101, 4133, 4181, 4219, 4326, 4386, 4451, 4482, 4546, 4603
REPRODUCTION: 402, 470, 598, 870, 1044, 1230, 1273, 1325, 1990, 2764, 2892, 2924, 2973, 3012, 3118, 3142, 3387, 3401, 3426, 3532, 3871, 4442
REPTILES: 1267, 3433
RESEARCH: 1659, 2820, 3754, 3820, 3934, 4053
RESEARCH DESIGN: 1566, 2577
RESEARCH PERSONNEL: 3934
RESEARCH SUPPORT: 3934
RESERPINE: 47, 128, 160, 425, 630, 732, 735, 785, 852, 866, 1143, 1268, 1398, 1412, 1557, 1741, 1793, 1801, 1859, 1982, 1992, 2027, 2145, 2473, 2533, 3063, 3247, 3375, 3462, 3492, 3562, 3655, 3919, 3952, 3981, 4183, 4229, 4243, 4310, 4405, 4527, 4713, 4733, 4785
RESIDENCE CHARACTERISTICS: 3277
RESINS: 1814, 3706-3707, 3974
RESORCINOL: 1386, 1811, 3429
RESPIRATION: 583, 870, 951, 1374, 1559, 1877, 2403, 2650, 3136, 3173, 3222, 3288, 3412, 3636, 3652, 4031, 4045, 4169, 4176, 4315, 4437, 4576
RESPIRATION, ARTIFICIAL: 164, 220, 1520, 3196, 3652, 4769
RESPIRATORY AIRFLOW: 3975
RESPIRATORY DISTRESS SYNDROME: 591, 2468, 4142, 4760
RESPIRATORY FUNCTION TESTS: 1094, 1149, 1424, 1829, 2930, 4641
RESPIRATORY HYPERSENSITIVITY: 4336
RESPIRATORY INSUFFICIENCY: 275, 361, 1149, 1489, 2468, 3213, 4012, 4045, 4576
RESPIRATORY SYSTEM: 1424, 3962, 4702
RESPIRATORY TRACT DISEASES: 1935, 2879
RESPIRATORY TRACT INFECTIONS: 641, 3196, 4641
REST: 1075, 4562
RESUSCITATION: 1000, 3017
RETICULAR FORMATION: 214, 223, 238, 491, 696, 1492, 1798, 1928, 2328, 3504, 3898, 4218, 4491
RETICULOCYTES: 670, 1378, 1432, 1532, 3358, 3386, 3521
RETICULOENDOTHELIAL SYSTEM: 2958, 3251
RETICULOENDOTHELIOSIS: 4069, 4148, 4388, 4731
RETINA: 353, 490, 1163, 1685, 1962, 2866, 2933, 3001, 3081, 3686, 3787, 4070, 4301
RETINAL ARTERY: 4378
RETINAL DEGENERATION: 3373
RETINAL DETACHMENT: 3124
RETINAL DISEASES: 324, 2757
RETINAL PIGMENTS: 353, 4301
RETINAL VESSELS: 3947, 4394
RETINITIS PIGMENTOSA: 967, 4324
RETROPERITONEAL FIBROSIS: 597, 3563
RETROPERITONEAL NEOPLASMS: 1166
RETROPERITONEAL SPACE: 175, 4269
RETROPNEUMOPERITONEUM: 4734
RETROSPECTIVE STUDIES: 200, 501, 1878, 2658, 2889, 2905, 2981, 2993, 3020, 3277, 3568, 3631, 4092, 4541, 4779
REVERSAL LEARNING: 2204, 3940
REVERSE TRANSCRIPTASE: 2419, 4241
REVIEW: 20, 27, 33, 47, 76, 96, 126, 131, 135, 163-164, 169, 211, 235, 238, 246, 265, 275, 302, 328, 342, 363, 382, 389-390, 432, 471, 487, 562-564, 585, 594, 630, 679, 687, 689, 696, 706, 715, 728, 805, 845, 907, 934, 950, 995, 1024, 1029, 1044, 1047, 1051, 1057, 1065, 1077, 1080, 1088, 1129, 1144, 1191, 1205, 1215, 1247, 1250, 1261, 1280, 1290, 1326, 1353, 1388, 1405, 1415, 1418, 1424, 1443, 1459, 1461, 1468, 1527, 1543, 1563-1564, 1578, 1591, 1599, 1602, 1605, 1609, 1611, 1616, 1631, 1641, 1669, 1689, 1693, 1730, 1757, 1803, 1808, 1824, 1840-1841, 1862, 1864, 1868, 1877, 1888, 1895, 1897, 1921, 1923, 1925, 1975, 2013, 2017, 2026, 2082, 2096, 2122, 2144-2145, 2164, 2176, 2178, 2183, 2190, 2196, 2259, 2289, 2333, 2345, 2358-2359, 2375, 2384, 2391, 2395, 2398-2399, 2424, 2458, 2485, 2527, 2531, 2540, 2543, 2557, 2564, 2567, 2569, 2661, 2758-2759, 2841, 2856, 2874, 2894, 2916, 2922-2923, 2942, 2969, 2972, 2983, 3007, 3017, 3032, 3056, 3089, 3118, 3199, 3211, 3234, 3249, 3255, 3265-3266, 3272, 3279, 3289, 3301, 3327, 3343-3344, 3350, 3356, 3428, 3446-3447, 3450, 3471, 3485, 3489, 3507, 3516, 3518, 3535, 3569, 3580, 3583, 3586, 3601-3602, 3605, 3615, 3660, 3669, 3676, 3683-3684, 3715, 3741, 3779, 3784, 3796, 3801-3802, 3820-3821, 3825, 3833, 3865, 3883, 3963-3964, 3981, 4019, 4023, 4062-4063, 4072, 4088, 4100, 4107, 4118, 4126, 4138, 4148, 4158, 4170-4172, 4244, 4265, 4268, 4278, 4280, 4286, 4301, 4314, 4326, 4328, 4330, 4336, 4357-4358, 4365, 4373, 4398, 4408, 4438, 4444, 4467, 4469, 4473, 4478, 4491, 4539-4540, 4600, 4649, 4678, 4683, 4745-4746, 4776, 4792-4799
REWARD: 493, 1968, 3101, 3626, 3940
RH FACTORS: 590, 2391, 3265, 3272, 3471, 4256
RHABDOMYOSARCOMA: 1316, 1631, 3494, 3670
RHEUMATIC FEVER: 4304
RHEUMATIC HEART DISEASE: 934
RHEUMATISM: 162, 194, 925, 960, 1242, 1816, 1970, 2371, 3010, 4049, 4290
RHEUMATOID FACTOR: 1548, 1689
RHINITIS: 2629
RHINOSCLEROMA: 4269
RHODE ISLAND: 433
RIBOFLAVIN: 3406, 4099
RIBOFLAVIN DEFICIENCY: 3464-3465
RIBONUCLEASE: 1368, 2006, 2675, 2811, 3355, 3456, 3808, 4010, 4158
RIBONUCLEOSIDES: 1337, 1399
RIBONUCLEOTIDES: 1721, 2128, 3998
RIBOSE: 179, 1526, 2544
RIBOSOMES: 207, 814, 860, 1070, 1368, 1764, 2739, 3508, 3612, 4025, 4054, 4286, 4455, 4478, 4697
RIBS: 48, 494, 2039, 2335, 2415, 3763, 4447
RICKETS: 324, 512, 522, 768, 900, 1188, 1578, 1666, 1703, 1776, 2348, 2423, 2773, 2920, 3329, 3495, 3939, 3965, 4103, 4297-4298, 4606, 4775
RICKETS, VITAMIN D RESISTANT: 467, 1377, 3806
RICKETTSIA PROWAZEKII: 1802
RIFAMPIN: 447, 1117, 2613, 2967, 3038, 3456, 4253, 4423
RISTOCETIN: 3308
RNA: 93, 135, 144, 475, 595, 632, 644, 812, 1004, 1070, 1076, 1201, 1205, 1388, 1493, 1678, 1764, 1888, 1895, 2025, 2057, 2128, 2139, 2166, 2204, 2226, 2509, 2696, 2745, 2768, 2946, 2952, 2990-2991, 3271, 3355, 3400, 3426, 3605, 3746, 3787, 3969, 4032, 4263, 4286-4287, 4311, 4327, 4373, 4435, 4522, 4540, 4638, 4798
RNA, BACTERIAL: 96, 448, 1505, 1854, 2967, 3211, 3456, 3485, 4382
RNA, MESSENGER: 93, 251, 621, 891, 1641, 2139, 2967, 3211, 3456, 3485, 3586, 3686, 3816, 4010, 4478
RNA, NEOPLASM: 78, 645, 1337, 1678, 2458, 4263
RNA POLYMERASE: 335, 543, 764, 1475, 1641, 1895, 2618, 2678, 2696, 2952, 2967, 2990-2991, 3485, 4697
RNA, RIBOSOMAL: 1764, 2057, 2139, 3180, 3508, 3586, 4478, 4697
RNA, TRANSFER: 96, 1368, 1505, 2139, 2458, 3485, 3586, 4382
RNA, VIRAL: 96, 2458, 2823, 4010, 4241
RNA VIRUSES: 2419, 2823, 4241
RODENT DISEASES: 771, 1629, 3050, 3388, 4653
RODENTS: 263, 929, 1057, 1809, 3216, 4090, 4526
ROOT RESORPTION: 2189
ROTATION: 3003
ROTENONE: 674, 1984, 3191, 3561
ROUS SARCOMA: 906
ROUS SARCOMA VIRUS: 906
RUBBER: 3447
RUBELLA: 1535, 1722, 1868
RUBIDIUM: 280, 956, 1434, 1993
RUMANIA: 1159
RUMEN: 780, 1508, 2885, 3637
RUPTURE, SPONTANEOUS: 2827, 3968
RURAL HEALTH: 643, 1159
RURAL POPULATION: 1414, 3654, 4156
RUTHENIUM: 736

S

SACCHARIN: 4492, 4642, 4738
SACCHAROMYCES CEREVISIAE: 187, 1201, 1569, 1673, 2038, 3067
SACROCOCCYGEAL REGION: 137, 2183
SACRUM: 3432
SALAMANDERS: 716, 1604, 1832, 2856, 3841
SALICYLAMIDES: 285, 933, 1608, 2553
SALICYLATES: 162, 1728, 1871, 2591, 2895, 3242, 3936, 4396
SALICYLIC ACID: 162, 3429, 4238, 4472
SALIVA: 585, 1259, 2233, 3241
SALIVARY GLANDS: 135, 310, 370, 1761, 2056, 2153-2154, 2463, 2787, 3494, 3605
SALIVATION: 2056, 3626
SALMON: 594, 793, 2106, 3039, 3916
SALMONELLA: 3501
SALMONELLA ENTERITIDIS: 734, 1571
SALMONELLA INFECTIONS, ANIMAL: 1539
SALMONELLA TYPHIMURIUM: 3314, 3485
SALMONELLA TYPHOSA: 1414, 4705
SALMONIDAE: 1796, 2563, 2720, 3304, 3766
SALPINGITIS: 3906
SALTS: 341, 733, 3916
SAMPLING STUDIES: 566, 912, 923, 3277, 3834
SARCOIDOSIS: 236, 498, 951, 1470, 1870, 2245, 2383, 2930, 3855, 3914, 4056, 4148, 4312, 4314
SARCOLEMMA: 388, 2432, 3784, 4041
SARCOMA: 127, 286, 563, 822, 903, 2763, 3831
SARCOMA, EXPERIMENTAL: 100, 462, 676, 2419, 3172, 3589
SARCOMA, MAST CELL: 3589
SARCOMA, OSTEOGENIC: 883, 932
SARCOMA, RETICULUM CELL: 762, 771, 1598, 2319, 2699, 3054, 3172, 3866, 3920
SARCOMA, YOSHIDA: 1551
SARCOPLASMIC RETICULUM: 471, 1845, 2017-2018, 2174, 2734-2735, 3784, 4114, 4168, 4251, 4309
SATIATION: 1644, 2390, 3940, 4116
SCABIES: 4596
SCALP: 2239, 2922, 3864
SCATTERING: 2453, 3344, 4198, 4289
SCHEUERMANN'S DISEASE: 541
SCHIFF BASES: 75
SCHISTOSOMA MANSONI: 668, 3383
SCHISTOSOMIASIS: 2, 1151, 3383
SCHISTOSOMICIDES: 668
SCHIZOPHRENIA: 21, 287, 953, 1086, 1285, 3684, 3891, 4170
SCHIZOPHRENIA, CHILDHOOD: 559, 715
SCHIZOPHRENIA, PARANOID: 21
SCHOOL HEALTH: 2354, 3588
SCHOOLS, MEDICAL: 4766
SCHWANN CELLS: 3593
SCIATIC NERVE: 157, 2651-2652, 3081
SCIATICA: 561, 1963
SCINTILLATION COUNTERS: 1269, 2549, 2767, 4453
SCLERA: 3123
SCLERODERMA, SYSTEMIC: 453, 1134, 1436, 2894, 4148
SCLEROSING SOLUTIONS: 1017
SCLEROSIS: 3329
SCOLIOSIS: 541, 1813, 1956, 4387, 4447
SCOPOLAMINE: 2304, 3102
SCORPIONS: 2741, 3235
SCOTLAND: 1188
SCOTOMA: 1183, 2771
SCRAPIE: 235, 1231, 3155
SCRAPIE VIRUS: 1231, 3155
SCROTUM: 593, 1649, 1697, 1911, 3182, 3846, 4122, 4392, 4452, 4585-4586, 4630
SCURVY: 512, 1666, 1776
SEA URCHINS: 548
SEALED CABIN ECOLOGY: 2486
SEASONS: 153, 423, 1414, 1511, 1638, 1785, 1796, 1945, 1960, 2072, 2186, 2313, 2479, 2733, 3012, 3021, 3122, 3337, 3401, 3426, 3484, 3520, 3532, 3545, 4115, 4462, 4526
SEAWATER: 919, 938, 2563, 3183, 3993
SEAWEED: 1064
SEBACEOUS GLANDS: 20, 302, 3946, 4158
SEBORRHEA: 3736
SEBUM: 1247, 4243
SECRETIN: 316, 403, 3724
SECRETORY RATE: 63, 142, 236, 257, 346, 611, 620, 818, 882, 939, 1020, 1237, 1483, 2302, 2367, 2636, 2762, 2772, 2988, 3151, 3226, 3410, 3921, 4094, 4186, 4532, 4582, 4717
SEEDS: 4032
SELECTION (GENETICS): 41, 2327
SELENIUM: 763, 1620, 3764, 4198
SELF CONCEPT: 2193
SELF MEDICATION: 1190
SELF MUTILATION: 4366

SELF STIMULATION: 250, 397, 493, 607, 1968, 2328, 2799, 3102, 3626-3627
SELLA TURCICA: 200, 552, 615, 1101, 2326, 2416, 3243, 3260, 3523, 4372
SEMEN: 421, 1044, 1230, 1496, 1954, 2666, 2696, 2731, 4033, 4081
SEMICARBAZIDES: 3041, 3417
SEMICARBAZONES: 3029
SEMICONDUCTORS: 3580
SEMINAL VESICLES: 52, 791, 910, 924, 1370, 1404, 1858, 1999, 2293, 2504, 2506-2507, 2548, 2696, 2997, 3244, 3437, 3463, 3517, 3591, 3645, 3746, 3767, 3860, 4039, 4165, 4454, 4580, 4602, 4632
SEMLIKI FOREST VIRUS: 4705
SENEGAL: 719
SENSATION: 2180
SEPTAL NUCLEI: 879, 1231, 3043, 3155, 3173
SEPTICEMIA: 609, 1033, 1051, 1648, 2789, 2801, 3028, 3314, 3669, 3920, 4333, 4498
SEPTUM PELLUCIDUM: 493, 562, 696, 879, 1218, 2996, 3043, 3173, 3940
SERINE: 1379, 1961, 1968, 2608, 3088, 3443, 4187, 4682
SERINE DEHYDRATASE: 682, 2845, 3987, 4682
SERODIAGNOSIS: 2860
SEROTHERAPY: 115, 3126
SEROTONIN: 37, 41-42, 47, 49, 51, 54, 65, 81, 84, 107, 110, 131, 136, 140, 143, 180, 188, 199, 209, 238, 241, 299, 310, 334, 370, 372, 380, 385, 425, 442-444, 446, 496, 548, 576-577, 582, 587, 598, 630, 636, 646, 654, 668, 715, 725, 732, 772, 819-820, 835, 852, 866, 869, 875, 879, 915, 922, 937, 953, 956, 975, 1014, 1023, 1058, 1084, 1099, 1194, 1209, 1234, 1268, 1282, 1293, 1310, 1335, 1348-1349, 1358, 1391, 1398, 1403, 1412, 1421, 1428, 1441, 1460, 1473, 1478-1479, 1486, 1513, 1525, 1546, 1555, 1568, 1571, 1573-1574, 1576, 1592, 1601, 1621, 1662, 1669, 1692, 1699, 1735, 1742, 1753, 1759, 1761, 1786-1787, 1793, 1797, 1828-1829, 1847-1848, 1856, 1910, 1915, 1928, 1931, 1952, 1960, 1968, 1971, 1982-1983, 2027, 2066, 2068, 2096, 2098, 2102, 2104, 2107, 2160, 2196, 2275, 2299, 2303-2304, 2306, 2337, 2346, 2350, 2364, 2403, 2429, 2442, 2473, 2493, 2533, 2546, 2551-2552, 2607, 2623, 2657, 2706-2707, 2741, 2748, 2766, 2774, 2786, 2815, 2835, 2843, 2906-2908, 2936, 2968, 3024, 3041, 3114, 3134-3135, 3158, 3197, 3224-3225, 3232, 3247, 3250, 3265, 3301, 3370, 3375, 3404, 3443, 3462, 3492, 3565-3566, 3601, 3616, 3620, 3624, 3653, 3683, 3708, 3723, 3772, 3807, 3813, 3824, 3860, 3935, 3954, 3980, 3985, 4019, 4064, 4076, 4102, 4166, 4169, 4218, 4221, 4230, 4296, 4305, 4313, 4335, 4350, 4404-4406, 4420, 4440, 4458, 4517, 4527, 4593, 4595, 4648, 4677, 4714, 4733, 4758, 4780, 4796
SEROTYPING: 407, 2232, 3811
SEROUS MEMBRANE: 4330, 4465
SERTOLI CELL TUMOR: 1973, 3752
SERTOLI CELLS: 1344, 1950, 2731, 3484, 3612, 3792, 3866, 4373
SERUM ALBUMIN: 218, 449, 545, 664, 698, 795, 802, 958, 999, 1077, 1628, 1889, 1938, 2048, 2412, 2542, 2666, 2726, 2941, 2984, 3089, 3345, 3406, 3436, 3586, 3649, 3739, 3835, 3979, 4279, 4340, 4543
SERUM ALBUMIN, BOVINE: 153, 186, 546, 587, 789, 816, 915, 992, 1389, 1938, 2213, 2598, 2667, 3171, 3242, 3345, 3592, 3890, 4130, 4279, 4374, 4584, 4680, 4743
SERUM ALBUMIN, RADIO-IODINATED: 546, 1353, 1898, 1938, 2589, 3586, 3604, 4181, 4604
SERUM GLOBULINS: 1453, 2114, 2181, 2412, 3236, 3705, 3835, 3879, 4163
SERYLTRIHYDROXY BENZYLHYDRAZINE: 2261
SESAME OIL: 1629, 2558
SEWAGE: 1414
SEX: 3466
SEX BEHAVIOR: 630, 1484, 2229, 3896, 4760
SEX BEHAVIOR, ANIMAL: 376, 506, 521, 692, 946, 997, 1013, 1020, 1320, 1325, 1580, 1644, 1979, 2171, 2457, 2556, 2973, 3176, 3381, 3413, 3576, 3591, 3623, 4463, 4480, 4632
SEX CHARACTERISTICS: 722, 861, 1107, 1217, 1310, 1949, 2182, 2634, 3091, 3834
SEX CHROMATIN: 137, 343, 554, 558, 566, 831-834, 845, 1026, 4211, 1258, 1308, 1359, 1481, 2137, 2185, 2449, 2942, 2948, 3205, 3551, 4022, 4178, 4244
SEX CHROMOSOME ABNORMALITIES: 33, 172, 558, 831, 1134, 1140, 1211, 1367, 1485, 1722, 1769, 1880, 2060, 2208, 2335, 2794, 2855, 3020-3021, 3065, 3678, 3777, 3801, 4134, 4178, 4556
SEX CHROMOSOMES: 135, 179, 230, 246, 265, 390-391, 470, 533, 553-554, 711, 799, 831-834, 964, 1006, 1184, 1205, 1217, 1264, 1317, 1359, 1377, 1554, 1567, 1764, 1779, 1787, 1834, 1925, 2158, 2164, 2445, 2525, 2544, 2749, 2855, 2922, 2948, 2987, 3107, 3124, 3180, 3205, 3210, 3216, 3308, 3428, 3471, 3508, 3515, 3519, 3605, 3633, 3905, 3922, 3944, 4013, 4052, 4054, 4067, 4244, 4367, 4423, 4522, 4540, 4597, 4627, 4636, 4675, 4728
SEX DETERMINATION: 389, 716, 964, 1769, 2060, 2802, 2942, 3091, 3361, 3833, 4694
SEX DEVIATION: 2917, 3182
SEX DIFFERENTIATION DISORDERS: 116, 1631, 1794, 2192
SEX DISORDERS: 2229
SEX EDUCATION: 173, 1484
SEX FACTORS: 10, 45, 61, 105, 197, 245, 271, 294, 355, 376, 465, 506, 511, 578, 608, 685, 833, 897, 903, 912, 967, 997, 1013, 1121, 1124, 1158, 1221, 1229, 1287, 1308, 1318, 1346-1347, 1378, 1389, 1414, 1507, 1564, 1589, 1644, 1694, 1722, 1724, 1781, 1785, 1796, 1884, 1887, 1909, 2112, 2119, 2185-2186, 2192, 2226, 2238, 2243, 2291, 2342, 2347, 2398, 2457, 2470, 2503, 2543, 2575, 2688, 2763, 2772, 2793, 2871, 2896, 2910, 2973, 2989, 2999, 3080, 3151, 3269, 3332, 3387, 3396, 3412, 3477, 3495, 3518, 3534, 3567-3568, 3588, 3591, 3623, 3654, 3714, 3749, 3805, 3835, 3873, 3912, 3922, 4011, 4052, 4056, 4065, 4091, 4111, 4155-4156, 4413, 4448, 4480, 4501, 4512, 4551, 4566, 4597, 4600, 4624, 4628, 4690, 4723, 4727, 4730, 4738, 4740, 4779
SEX HORMONES: 170, 319, 594, 1088, 1214, 1247, 1284, 1774, 2293, 3744, 4491, 4646
SEX RATIO: 786, 2808
SEX REVERSAL, GONADAL: 3466, 4574
SHARKS: 1158
SHEEHAN'S SYNDROME: 1255, 1825, 2182, 2896, 3149, 4171, 4753
SHEEP: 33, 82, 342, 363, 611, 619-620, 690, 713, 740, 765, 792, 813, 816, 919, 939, 976, 986, 1001, 1126, 1186, 1230-1231, 1371, 1376, 1383, 1499, 1544, 1563, 1609, 1671, 1748, 1862, 1925, 1938, 2053, 2161, 2190, 2284, 2310, 2313, 2372, 2409, 2424, 2474, 2526, 2534, 2540, 2572, 2580, 2667, 2696, 2805, 2928, 2973, 3042, 3142, 3155, 3244, 3321, 3407, 3437, 3453, 3532, 3535, 3554, 3625, 3649, 3674, 3719, 3770, 3802, 3955, 4026, 4154, 4192, 4249, 4262, 4296, 4302, 4344, 4351, 4432-4433, 4441, 4461, 4495, 4544, 4547, 4580, 4583-4584, 4602, 4670, 4675, 4692-4693, 4698, 4732, 4735
SHEEP DISEASES: 933, 3142
SHIGELLA DYSENTERIAE: 1191
SHIVERING: 1877
SHOCK: 220, 606, 1457, 3017, 3082, 3196, 4745
SHOCK, CARDIOGENIC: 164, 220, 2175-2176, 3116, 4529, 4745
SHOCK, ENDOTOXIC: 296, 734, 1051, 2030, 2898, 3028, 3082, 3090, 4619
SHOCK, HEMORRHAGIC: 220, 748, 3082, 3412, 4018
SHOCK, SURGICAL: 2755
SHOCK THERAPY, ELECTRIC: 1014
SHOCK, TOXIC: 55, 220, 734
SHOCK, TRAUMATIC: 2929, 4736
SHOULDER: 3750
SHOULDER JOINT: 1429
SHREWS: 2262, 2866
SIGMOIDOSCOPY: 3983
SILAGE: 1762, 1977-1978
SILICA: 147, 733, 942, 976, 1640, 2241, 3611
SILICATE CEMENT: 1627
SILICON: 910, 1627, 2784
SILICONE ELASTOMERS: 1402, 1640
SILICONES: 283, 2416, 3368
SILKWORMS: 845
SILVER: 2027, 2364, 2416, 2459, 3311, 3678, 4594
SILVER NITRATE: 4033
SINGAPORE: 3633, 4226
SINGLE PERSON: 1451
SINO-ATRIAL NODE: 1590
SINUS THROMBOSIS: 138
SITOSTEROLS: 3006, 4669
SJOGREN'S SYNDROME: 236, 934, 3137, 3146
SKELETON: 74, 2292
SKIN: 288, 302, 311, 325, 586-587, 678, 738, 964, 1100, 1150, 1164, 1211, 1247, 1249, 1405, 1474, 1503, 1545, 1722, 1913, 1953, 2095, 2122, 2158, 2173, 2180, 2192, 2389, 2428, 2484, 2544, 2557, 2567, 2643, 2858, 2923, 3071, 3205, 3240, 3471, 3565, 3569, 3741, 3825, 3922, 3945, 3957, 4005, 4044, 4052, 4055, 4096, 4131, 4178, 4244, 4408, 4471, 4512, 4585-4586, 4591, 4689, 4739
SKIN ABSORPTION: 409, 1273, 1393, 1503, 3327, 3741, 3825, 4100, 4408, 4650
SKIN APPENDAGE DISEASES: 2818
SKIN DISEASES: 205, 246, 1120, 1393, 1547, 1810, 2383, 2600, 2818, 2846, 3032, 3234, 3468, 3551, 3736, 3823, 4005, 4055, 4397
SKIN DISEASES, INFECTIOUS: 132, 2648
SKIN MANIFESTATIONS: 478, 869, 2803, 3177
SKIN NEOPLASMS: 563, 824, 1045, 1913, 2600, 2980, 3260, 3398, 3502, 3581, 3864, 3950, 4050, 4204
SKIN TEMPERATURE: 424, 573, 2131
SKIN TESTS: 65, 1193, 1655, 1940, 1998, 2122, 2868, 2918, 3425, 3447, 3855, 3914, 4292, 4362, 4591, 4612
SKIN ULCER: 2035
SKIN WINDOW TECHNIC: 1901, 4400
SKINFOLD THICKNESS: 2661
SKULL: 48, 161, 520, 615, 827, 972, 1176-1177, 1495, 1706, 2039, 2765, 2826, 2969, 3353, 3509, 3584, 4715
SKULL FRACTURES: 1489
SKULL NEOPLASMS: 418, 3831
SLEEP: 43, 214, 380, 630, 909, 1012, 1108, 1613, 2192, 2434, 2486, 2510, 3020, 3337, 3600, 4435
SLEEP DEPRIVATION: 1534, 4435
SLEEP DISORDERS: 1357
SLEEP, REM: 214, 1080, 1262, 4076, 4435
SLEEP STAGES: 3600
SLOW REACTING SUBSTANCES: 839, 2591, 3305
SLOW VIRUS DISEASES: 235, 1598
SMALLPOX VACCINE: 1030
SMELL: 1287, 1934, 2910, 3365, 3591
SMOKING: 1180, 1190, 1958, 2230, 2367, 2468, 3246, 3277, 3391, 3415, 3934, 4641
SNAILS: 28, 908, 1960, 2306, 2892, 3134, 3224, 3250
SNAKES: 371, 586, 1767, 2513, 2591, 4138
SOCIAL ADJUSTMENT: 2193
SOCIAL BEHAVIOR: 963, 1325, 1781, 1947, 2261, 2910, 3316, 3337, 4470
SOCIAL CONFORMITY: 1484
SOCIAL DOMINANCE: 1208, 1947, 2857, 3337
SOCIAL ENVIRONMENT: 558
SOCIAL ISOLATION: 1781, 2772, 3337, 4470
SOCIAL PROBLEMS: 3934
SOCIALIZATION: 3091
SOCIETIES, MEDICAL: 4802
SOCIOECONOMIC FACTORS: 38, 923, 1414, 1484, 1745, 2229, 3277, 3831, 3896, 4357, 4690
SODIUM: 64, 76, 166, 170, 187, 204, 233, 254, 280, 290, 325, 353, 456, 471-472, 503, 514-515, 536, 581, 592, 656, 684, 690, 697, 770, 780, 855, 919, 938, 940, 954, 1021, 1055, 1144, 1146, 1154, 1280, 1298-1299, 1309, 1323, 1355, 1422, 1433-1434, 1474, 1506, 1534, 1536, 1545, 1634, 1650, 1715, 1746, 1748, 1833, 1851, 1854, 1891, 1908, 1924, 2015, 2017, 2022, 2058, 2073, 2100, 2129, 2160, 2209, 2213, 2219, 2238, 2254, 2344, 2359, 2402, 2415, 2423, 2432, 2446-2447, 2496, 2535, 2542, 2615, 2654, 2668, 2670, 2679, 2705, 2751, 2764, 2791, 2905, 3000, 3076, 3116, 3138, 3147, 3224, 3233, 3339, 3372, 3377, 3390, 3421, 3493, 3496, 3562, 3614, 3676, 3681, 3784, 3795, 3807, 3809, 3986, 4002, 4041, 4108, 4137, 4181, 4200, 4213, 4231, 4286, 4295, 4328, 4332, 4386, 4417, 4430, 4482, 4524, 4592, 4744
SODIUM CHLORIDE: 160, 204, 247, 254, 276, 290, 365, 750, 757, 770, 872, 1021, 1131, 1187, 1301, 1558, 1605, 1663-1664, 1675, 2089, 2226, 2241, 2407, 2415, 2728, 2835, 2971, 3000, 3050, 3056, 3410, 3462, 3862, 3874, 3963, 4318, 4463, 4520, 4738
SODIUM DODECYL SULFATE: 341, 846, 1163, 1337, 1639, 2090, 3023, 3874, 4543, 4631
SODIUM HYDROXIDE: 2579
SODIUM ISOTOPES: 592, 1299, 2219, 2344, 2589, 3421, 3825
SODIUM SALICYLATE: 1854, 2324, 4472
SOIL: 3934
SOIL MICROBIOLOGY: 3810
SOLANINE: 3651
SOLUBILITY: 341, 428, 667, 679, 788-789, 795, 871,

922, 1129, 1163, 1174, 1301, 1356, 1426, 1475, 1916, 2090, 2174, 2735, 2812, 2821, 2891, 3500, 3803, 3825, 4033, 4224, 4276, 4279
SOLUTIONS: 227, 884, 2226, 3040, 3446, 4224, 4453, 4458
SOLVENTS: 1696, 4100, 4453
SOMATOMEDIN: 2415, 2758, 3737, 4348
SOMATOSENSORY CORTEX: 1454, 1479, 2328, 2402, 3898, 4116, 4434
SOMATOTROPIN: 45, 178, 298, 300, 304, 327, 339, 352, 418, 437, 476, 510, 552, 568-569, 608, 625, 639, 653, 689, 690, 759, 818, 970, 1012, 1060, 1082, 1102, 1114, 1127, 1309, 1331, 1357, 1361, 1364-1365, 1368, 1371, 1388, 1392, 1418, 1466, 1544, 1582, 1593, 1604, 1606, 1618, 1706, 1762-1763, 1807, 1840, 1843, 1853, 2060, 2088, 2126, 2176, 2186, 2219, 2281, 2285, 2288, 2343, 2367, 2409, 2443, 2454, 2464, 2472, 2510-2511, 2520, 2561, 2576, 2631, 2633, 2661, 2698, 2739, 2758, 2829, 2877, 2901, 2956, 2971, 3004-3005, 3072, 3157, 3162, 3198, 3200, 3214, 3248, 3282, 3345, 3420, 3427, 3431, 3435, 3450, 3569, 3600, 3649, 3661, 3671, 3679, 3737, 3762, 3779, 3899, 3941, 3948, 3990, 4015, 4021, 4170, 4192, 4225, 4277, 4302, 4388, 4433, 4461, 4468, 4559, 4563, 4610, 4644-4645, 4679, 4685-4686, 4701, 4716
SORBITOL: 363, 1171, 1526, 1702, 2267
SOTALOL: 86, 1358
SOUND: 2188, 2670, 4434
SOUTH AFRICA: 210, 2882, 3054, 3495, 4802
SOY BEANS: 402, 3420
SPACE FLIGHT: 2486
SPACE PERCEPTION: 236
SPASM: 3017, 3301, 3306
SPASMOPHILIA: 2119
SPECIAL LIST DENTAL: 62, 1996, 2189, 2825, 3307, 4284
SPECIAL LIST FOREIGN: 604, 756, 2600, 3630
SPECIAL LIST NURSING: 26, 1341, 1467, 3091, 3596, 4067, 4391
SPECIALTIES, MEDICAL: 2116, 4766
SPECIES SPECIFICITY: 37, 81, 353, 368, 451, 470, 562, 681, 775, 795, 871, 898, 969, 1013, 1231, 1371, 1477, 1604, 1609, 1651, 2069, 2106, 2178, 2232, 2252, 2372, 2427-2428, 2456-2457, 2477, 2532, 2546, 2567, 2575, 2866, 2915, 2939, 3440, 3534, 3591, 3763, 3783, 3807, 3816, 3832, 3922, 3982, 4131, 4339, 4358, 4524, 4605, 4738, 4798-4799
SPECIFIC GRAVITY: 2298
SPECIMEN HANDLING: 1997
SPECTROPHOTOMETRY: 87, 187, 475, 667, 1074, 1301, 1501, 1671, 1726, 1751, 1779, 1964, 2051, 2090, 2241, 2395, 2698, 2739, 2750, 3275, 3412, 3443, 3970, 4194, 4198, 4254, 4279, 4335, 4359-4360, 4417, 4435, 4528
SPECTROPHOTOMETRY, ATOMIC ABSORPTION: 87, 270, 359, 644, 674, 1727, 1796, 2735, 3479, 4041, 4483
SPECTROPHOTOMETRY, INFRARED: 147, 1047, 1500, 1509, 2253, 2812, 2891, 3144, 3230, 3344, 3378, 3817, 4198, 4635
SPECTROPHOTOMETRY, ULTRAVIOLET: 147, 268, 351, 644, 723, 784, 942, 1337, 1371, 1426, 1447, 1471, 1477, 1500, 1505, 1509, 1581, 1617, 1628, 1681, 1751, 2028, 2038, 2178, 2187, 2253, 2618, 2675, 2797, 3041, 3235, 3378, 3392, 3423, 3458, 3501, 3503, 3559, 3575, 3700, 3808, 3897, 4004, 4198, 4309, 4393, 4489, 4742
SPECTRUM ANALYSIS: 57, 532, 857, 1517, 1616, 2878, 4173, 4198, 4287, 4422, 4425
SPEECH: 234
SPEECH DISORDERS: 1850, 2725
SPERM CAPACITATION: 421, 3913
SPERMATIC CORD: 3845-3846, 4573
SPERMATIC CORD TORSION: 14, 123, 1911
SPERMATOGENESIS: 315, 363, 483, 662, 707, 793, 845, 887, 910, 1184, 1212, 1344, 1404, 1498, 1858, 2050, 2293, 2479, 2696, 2736, 2892, 3188, 3325, 3484, 3742, 3866, 3913, 4020, 4081, 4139, 4165, 4373, 4439, 4522, 4597
SPERMATOZOA: 58, 120, 421, 533, 707, 845, 1009, 1020, 1205, 1344, 1736, 2106, 2504-2507, 2513, 2554, 2696, 2808, 3325, 3356, 3519, 3535, 3742, 3802, 3866, 4028, 4035, 4060, 4081, 4373, 4439, 4522, 4540, 4547, 4627
SPERMIDINE: 901
SPERMINE: 901
SPHENOID BONE: 377, 616, 827, 2862
SPHENOID SINUS: 2416, 2862
SPHINGOLIPIDS: 1925, 2885
SPHINGOMYELINS: 469, 591, 1114, 2885, 4673
SPIDERS: 159, 3235
SPINA BIFIDA: 2183, 4765
SPINAL CANAL: 2969
SPINAL CORD: 189, 239, 573-574, 781, 1249, 1292, 1567, 2487, 2933, 3584, 3624, 3696, 3772, 4218, 4376, 4387, 4733, 4758
SPINAL CORD COMPRESSION: 72
SPINAL CORD DISEASES: 446
SPINAL CORD INJURIES: 476, 784, 4758, 4804
SPINAL CORD NEOPLASMS: 675, 982, 1930, 4149, 4525
SPINAL DISEASES: 516, 1090, 1716
SPINAL FUSION: 541
SPINAL INJURIES: 1090
SPINAL NERVE ROOTS: 2856, 4342
SPINAL NERVES: 725, 3584, 3772
SPINAL PUNCTURE: 1489, 1871
SPINE: 255, 520, 3094, 3502, 3584, 3659, 4447
SPIRO COMPOUNDS: 483, 4120
SPIROMETRY: 488, 1031, 1076, 1224, 1271, 3222, 3970, 3975
SPIRONOLACTONE: 220, 456, 656, 728, 756, 1097, 1199, 1254, 2073, 2145, 2512, 2620, 3396, 3410, 3928, 4126, 4386, 4445, 4608
SPLANCHNIC NERVES: 1522
SPLEEN: 49, 54, 82, 145, 237, 288, 367, 601, 625, 670, 678, 762, 929, 1002, 1097, 1100, 1121, 1138, 1225, 1227, 1273, 1275, 1316, 1324, 1345, 1389, 1569, 1581, 1632, 1665, 1679, 1682, 1726, 1787, 1802, 1974, 2016, 2035, 2044, 2069, 2075, 2083, 2149-2151, 2518, 2534, 2575, 2589, 2595, 2733, 2767, 2777-2778, 2817, 2856, 2936, 2969, 2995, 3045, 3172, 3195, 3202, 3204, 3304, 3325, 3579, 3589, 3722, 3766, 3819, 4147, 4167, 4207, 4293, 4296, 4496, 4627, 4631, 4672, 4682, 4731
SPLENECTOMY: 122, 309, 670, 771, 1155, 2527, 2981, 3793, 4730-4731, 4771
SPLENIC ARTERY: 1138, 3659
SPLENIC DISEASES: 1724, 2183, 2995, 3234
SPLENIC NEOPLASMS: 771
SPLENIC VEIN: 1138
SPLENOMEGALY: 2, 56, 229, 2290, 3383, 4731, 4771
SPLENOPORTOGRAPHY: 2863
SPONDYLITIS: 2398
SPONDYLITIS, ANKYLOSING: 520, 1808, 1970, 3432, 4148
SPORES: 492
SPORES, BACTERIAL: 96, 492
SPORES, FUNGAL: 2122
SPORTS: 1076
SPRAINS AND STRAINS: 994
SPREADING CORTICAL DEPRESSION: 1823
SPRUE: 1579, 1824
SPUTUM: 3914
SQUID: 471, 1163, 1634
SQUIRRELS: 353, 423-424, 1559, 3274
SRS-A: 839, 1099, 3306
STAINS AND STAINING: 50, 196, 230, 333, 653, 760, 814, 885, 922, 1006, 1062, 1135, 1220, 1266, 1550, 1834, 1867, 1977, 2202, 2330, 2356, 2427-2429, 2590, 2736, 2931, 2987, 3008, 3216, 3247, 3553, 3689, 3787, 3862, 3868, 3920, 3942, 3944, 3956, 4022, 4075, 4241, 4433, 4594, 4620, 4742, 4802
STANOLONE: 20, 294, 664, 685, 1050, 1346, 1366, 1405, 1524, 1561, 2411, 2504-2505, 2593, 2618, 2718, 2780, 2865, 3060, 3170, 3281, 3313, 3517, 3717, 3746, 4066, 4191, 4361, 4449, 4484, 4722
STANOZOLOL: 395, 2009
STAPES MOBILIZATION: 3488
STAPES SURGERY: 3488
STAPHYLOCOCCAL INFECTIONS: 768, 1145, 2381, 2648, 2769, 2801, 3669
STAPHYLOCOCCUS: 1466, 2613, 4141
STARTLE REACTION: 4434
STARVATION: 811, 2773, 2934, 3450, 3559, 3585, 3610, 4083, 4274, 4796
STATISTICS: 312, 652, 786, 939, 1308, 1474, 1481, 2068, 2167, 2185, 2577, 3155, 3287, 3326, 3834, 4497, 4704
STEARIC ACID: 822, 2085, 2547
STEIN-LEVENTHAL SYNDROME: 826, 1286, 1443, 1827, 2059, 2263, 3877, 4038, 4136, 4247, 4718
STELLATE GANGLION: 4281
STEREOISOMERS: 791, 908, 1848, 2885, 3571, 4555
STEREOTAXIC TECHNICS: 184, 248, 372, 375, 493, 572, 696, 928, 1133, 1142, 1218, 1572, 1633, 1823, 1928, 2100, 2267, 2304, 2368, 2917, 3043, 3504, 4315, 4352, 4463, 4474, 4647
STEREOTYPED BEHAVIOR: 1142, 2103
STERILITY: 394
STERILITY, FEMALE: 18, 405, 796, 902, 1147, 1226, 1351, 1416, 1538, 1730, 1744, 1883, 2019, 2105, 2157, 2182, 2230, 2237, 2296, 2542, 3346, 3545, 3690, 3797, 3827-3828, 3906, 3988, 4060, 4208, 4552, 4707
STERILITY, MALE: 845, 1042, 1858, 2127, 2731, 3325, 3913, 4020, 4081
STERILIZATION: 679
STERILIZATION, SEXUAL: 426, 799
STERILIZATION, TUBAL: 643, 943, 2010, 2338, 3391, 3525, 3797, 3906, 4475
STERNUM: 717-718, 3721
STEROID HYDROXYLASES: 1443, 2718, 3806, 4139, 4795
STEROIDS: 30, 134, 162, 263, 284, 296, 302, 500, 596, 643, 803, 856, 905, 908, 943, 995, 1077, 1170, 1228, 1279, 1296, 1298, 1318, 1352, 1671, 1684, 1810, 1847, 1897, 2084, 2333, 2784, 2787, 2899, 2917, 3006, 3213, 3307, 3441, 3612, 3651, 3759, 3901, 3916, 3991, 4238, 4380, 4415, 4444, 4453, 4477, 4498, 4669, 4689, 4760, 4774
STEROLS: 29, 256, 685, 908, 1067, 1346-1347, 2241, 3060, 3313, 3746, 4669
STEVENS-JOHNSON SYNDROME: 596, 3228
STIGMASTEROL: 1778, 2241
STIMULATION, CHEMICAL: 2, 27, 45, 66, 68, 85, 185, 209, 222, 258, 270, 273, 330, 369, 393, 415, 457, 530-531, 552, 569, 621, 632, 637, 665, 671, 694, 796, 805, 807, 809, 867, 879, 1004, 1061, 1063, 1081-1082, 1113, 1136, 1158, 1256, 1288, 1297, 1389, 1400, 1449, 1472, 1522, 1526, 1555, 1568, 1593, 1647, 1668, 1714, 1801, 1836, 1889, 1896, 1914, 1921, 1977, 2001, 2015, 2019, 2057, 2062, 2104, 2113, 2115, 2124, 2176, 2220, 2284, 2297, 2344, 2414, 2441, 2472, 2489, 2497, 2505, 2508, 2511, 2543, 2561, 2635, 2668, 2765, 2786, 2790, 2813-2814, 2906, 2926, 2970, 3007, 3057, 3061, 3063, 3120, 3170, 3174, 3197, 3215, 3266, 3427, 3498, 3536, 3565, 3570-3571, 3610, 3644, 3665, 3675, 3681, 3699, 3718, 3728, 3746, 3816, 3943, 4015, 4027-4028, 4039, 4079, 4087, 4094, 4140, 4277, 4294-4295, 4321-4322, 4361, 4456, 4485, 4532, 4536, 4571, 4578, 4580, 4582, 4604, 4629, 4687, 4713, 4744
STOMACH: 257, 585, 1023, 1088, 1227, 1266, 1288, 1533, 1614, 1770, 1953, 1983, 2056, 2083, 2151, 2399, 2428-2429, 2767, 2813-2814, 2968, 3127, 3305, 3617, 4412, 4496
STOMACH DISEASES: 2700, 3234, 3818
STOMACH NEOPLASMS: 225, 235, 563, 2600, 2699, 2710, 3388, 3889, 4065
STOMACH ULCER: 1272, 2120, 2669, 3039, 3194, 3669, 4307, 4330
STRABISMUS: 3441
STREPTOCOCCAL INFECTIONS: 1970, 2381, 3955-3956, 3994
STREPTOCOCCUS: 1259, 1602, 3122, 3314, 3955-3956, 3994
STREPTODORNASE AND STREPTOKINASE: 1655
STREPTOKINASE: 3024
STREPTOMYCES: 121, 1602, 1961
STREPTOMYCES GRISEUS: 1961
STREPTOMYCIN: 181, 447, 526, 776, 1552, 1912, 2442, 3038, 4269
STREPTOZOTOCIN: 2480
STRESS: 128, 758, 1394, 1534, 1788, 1975, 2026, 2070, 2250, 2318, 2528, 2597, 2762, 2829, 3003, 3033, 3039, 3222, 3289, 3343, 3450, 3662, 3669, 3683-3684, 3937-3938, 4074, 4179, 4332, 4477-4478, 4794
STRESS, MECHANICAL: 360, 540, 1129, 3219, 4325
STRESS, PSYCHOLOGICAL: 47, 534, 1208, 1395, 1534, 1909, 2193, 2204, 2772, 3125, 3194, 3337, 3366, 3450
STRONTIUM: 187, 1047, 2704, 2723, 2909, 4465
STRONTIUM ISOTOPES: 413, 518, 1656, 2723, 2909, 3526, 4323
STROPHANTHIN: 1547, 2560, 2705
STRUCTURE-ACTIVITY RELATIONSHIP: 121, 209, 340-341, 355-356, 371, 387, 428, 484, 608, 681, 718, 733, 773, 791, 837, 916, 922, 969, 1052, 1299, 1371, 1480, 1500, 1502, 1505, 1587, 1696, 1741-1742, 1751, 1895, 1983, 2009, 2085, 2174, 2178-2179, 2346, 2360, 2411, 2532, 2548, 2601, 2675, 2748, 2867, 2885, 3077, 3169, 3236, 3328,

3378, 3592, 3613, 3741, 3808, 3817, 3865, 3875, 3897, 3926, 3980, 3998, 4105, 4266, 4298, 4382, 4478, 4555
STRUMA OVARII: 141, 495
STRYCHNINE: 781, 3980, 4218
STUDENT DROPOUTS: 923
STUDENTS, MEDICAL: 4766
STYRENES: 3721
SUBACUTE SCLEROSING PANENCEPHALITIS: 235
SUBARACHNOID HEMORRHAGE: 2955, 4517
SUBARACHNOID SPACE: 3243, 3696, 4517
SUBCELLULAR FRACTIONS: 85, 468, 711, 730, 871, 1067, 1336, 1426, 1493, 1583, 1726, 1806, 2593, 2618, 2643, 2718, 2739, 2773, 2797, 2945, 3023, 3060, 3178, 3294, 3400, 3416, 3531, 3998, 4105, 4187, 4297, 4440, 4538
SUBMANDIBULAR GLAND: 63, 332, 776, 1233, 2012, 2153-2154, 2745, 4719
SUBSTANTIA NIGRA: 223, 835, 1143, 1928, 2368, 2442, 3114
SUBTILISINS: 1651
SUCCINATE DEHYDROGENASE: 362-363, 1076, 2042, 2074, 2773, 3869, 4075, 4258
SUCCINATES: 1074, 1077, 1727, 2187, 2253, 2522, 2530, 2630, 3089, 3481, 3559, 3700, 3902-3903, 4063, 4108, 4417, 4615
SUCCINIMIDES: 112, 1233, 2423
SUCCINYLCHOLINE: 583, 995, 4592, 4770
SUCKING BEHAVIOR: 1153, 2192, 4074
SUCRASE: 2162, 4797
SUCROSE: 543, 592, 1295, 1355, 1513, 1800, 2241, 2543, 2751, 3292, 3434, 3966-3967, 4141
SUDECK'S ATROPHY: 4691
SUGAR ALCOHOLS: 213
SUICIDE: 3035
SULFACETAMIDE: 1
SULFAMETHOXAZOLE: 3656
SULFANILAMIDE: 410
SULFATASES: 1259, 1711, 1726, 2074, 2811, 4285
SULFATES: 94, 572, 872, 1418, 1800, 2118, 2415, 2553, 2679, 2697, 2742, 3040, 3071, 3739, 3874, 4005, 4008, 4111, 4417, 4589, 4621, 4669
SULFATHIAZOLES: 3171
SULFATIDES: 284, 1711, 3739
SULFHYDRYL COMPOUNDS: 1810, 2550, 2777, 2936, 3345, 3617
SULFHYDRYL REAGENTS: 4538
SULFIDES: 1097, 2834, 3417, 3566, 4177
SULFINPYRAZONE: 1967, 4296
SULFOBROMOPHTHALEIN: 734, 4152
SULFONAMIDES: 81, 229, 1586, 4238
SULFONIC ACIDS: 718, 1233, 1858, 2480, 3110, 4289, 4541, 4615
SULFONYLUREA COMPOUNDS: 3460, 3722
SULFUR: 351, 1527, 2553, 3897, 4198
SULFUR ISOTOPES: 94, 592, 1418, 2265-2266, 2415, 2442, 2553, 2613, 2635, 3050, 3071, 3737, 4432, 4444, 4589
SULFURIC ACIDS: 241, 1061, 1507, 1681, 4371, 4476
SULFURTRANSFERASES: 578, 4669
SUNBURN: 628
SUNLIGHT: 1164, 1703, 1913, 4356
SUPERIOR COLLICULUS: 953, 2452, 2550, 4640
SUPPOSITORIES: 3601
SUPPURATION: 2008, 3253
SURAL NERVE: 2701, 3593
SURFACE-ACTIVE AGENTS: 207, 292, 341, 355, 667, 1074, 1301, 1701, 2090, 4760, 4763
SURFACE PROPERTIES: 788, 2704, 4561
SURFACE TENSION: 1174
SURGERY: 2230, 3028, 3921, 4801
SURGERY, OPERATIVE: 758, 803, 1523, 1631, 1850, 2250, 2279, 2291, 3033, 3161
SURGERY, PLASTIC: 679, 3182, 4471
SURGICAL EQUIPMENT: 803, 4429
SURGICAL INSTRUMENTS: 375, 1864
SURGICAL WOUND INFECTION: 281, 803, 1523, 4316
SURVIVAL: 869
SUSPENSIONS: 2918
SUTURE TECHNICS: 4471, 4573
SUTURES: 914, 1350, 1864
SV40 VIRUS: 2853, 3221
SWEAT: 3963
SWEAT GLANDS: 3210, 3963
SWEATING: 3835, 4100
SWEDEN: 3277, 4541
SWIMMING: 1855, 2379
SWINE: 33, 36, 92, 126, 273, 338, 387, 416, 573-574, 594, 651, 692, 713, 820, 946, 986, 1044, 1046, 1050, 1078, 1193, 1450, 1455, 1501, 1567, 1604, 1609, 1833, 1925, 2053, 2057, 2324, 2372, 2404, 2419, 2427-2429, 2461, 2488, 2501, 2643, 2657, 2666, 2696, 2737, 2756, 2823, 2869, 2899, 2921, 2973, 3024, 3120, 3139-3141, 3153, 3156, 3294, 3348, 3416, 3449, 3743, 3770, 3783, 3799-3800, 3926, 4040, 4119, 4192, 4292, 4302, 4371, 4442, 4547, 4599, 4649, 4698, 4720, 4799
SWINE DISEASES: 33, 523, 1567, 4292
SWITZERLAND: 3995
SYMPATHECTOMY: 4222
SYMPATHETIC NERVOUS SYSTEM: 332, 354, 476, 502, 724, 1034, 1051, 1235, 1522, 1775, 2032, 2482, 2529, 2652, 2654, 2678, 2894, 3159, 3215, 3343, 3580, 3830, 3959, 4086-4087, 4454, 4674
SYMPATHOLYTICS: 1023, 1234, 1522, 3285
SYMPATHOMIMETICS: 382, 1940, 1983, 2557, 2629, 3102, 3196, 4745
SYNAPSES: 860, 909, 1459, 1576, 1707, 1981, 2548, 3492, 3553, 4310
SYNAPTIC MEMBRANES: 2015
SYNAPTIC VESICLES: 438, 1426, 1741, 3247, 3404, 4648
SYNAPTOSOMES: 438, 1426, 1741, 3404, 4440, 4520
SYNCOPE: 2827
SYNDACTYLIA: 3133
SYNDROME: 25, 87, 72, 288, 304, 324, 389, 466, 477, 715, 722, 790, 794, 967, 1147, 1176, 1192, 1211, 1223, 1292, 1415, 1597, 1605, 1677, 1771, 1811, 1850, 1887, 1902, 1987, 2233, 2286, 2289, 2307, 2317, 2339, 2392, 2406, 2468, 2531, 2639, 2660, 2779, 2894, 2922, 3020, 3124, 3258, 3280, 3398, 3410, 3502, 3529, 3655, 3733, 3795, 3840, 3950, 3983-3984, 4050, 4122, 4157, 4233, 4250, 4324, 4372, 4377, 4447, 4554, 4566, 4746
SYNOVIAL FLUID: 1669, 2395, 2398, 3478, 3602
SYNOVIAL MEMBRANE: 1669, 1970, 3478
SYPHILIS: 719, 1922, 2688
SYPHILIS, CONGENITAL: 2514

T

TABES DORSALIS: 3458
TABLETS: 102, 746, 1447, 2700, 2812, 3303, 3699, 4004
TABLETS, ENTERIC-COATED: 4004
TACHYCARDIA: 655, 1182, 1590, 2508, 3286, 4150, 4229, 4769
TACHYCARDIA, PAROXYSMAL: 1425, 2400, 2621
TACHYPHYLAXIS: 1759, 3063, 4215
TAIL: 690, 1249, 1788, 2131, 2158, 2626, 2856, 3721, 3992, 4512
TAIWAN: 4475
TALC: 1080, 1469
TAMPONS: 2416, 3805
TANNINS: 1548
TANZANIA: 4778
TAPE RECORDING: 61
TARS: 4375
TARTRATES: 1568, 4254, 4672
TASK PERFORMANCE AND ANALYSIS: 2098
TASTE: 1055, 2192, 2228, 2638, 3047, 3940, 4474, 4492, 4642, 4738
TAURINE: 125
TAUROCHOLIC ACID: 1701
TEARS: 236, 1119, 1560, 3226, 3241, 4394
TECHNETIUM: 570, 1327-1328, 1340, 1353, 1719, 1734, 1752, 2075, 2589, 2963, 3279, 4257
TECHNOLOGY, MEDICAL: 203
TECHNOLOGY, PHARMACEUTICAL: 971
TECHNOLOGY, RADIOLOGIC: 113, 2606, 2782, 3393, 3452, 4624
TEGMENTUM MESENCEPHALI: 238, 1550, 1928, 2982, 3047
TELANGIECTASIS: 151, 869, 1677, 1783, 2164
TELEMETRY: 3876
TELENCEPHALON: 238, 772, 911, 1084, 1550, 1968, 2799, 3114, 3580, 4232
TELEVISION: 925, 2541
TEMPERATURE: 16, 135, 153, 247, 340, 387, 424, 462, 492, 875, 902, 917, 1298, 1351, 1371, 1417, 1511, 1601, 1675, 1845, 1855, 2131, 2228, 2241, 2253, 2270, 2273, 2299, 2458, 2549-2550, 2559, 2567, 2736, 2867, 2984, 3089, 3274, 3323, 3327, 3344, 3355, 3753, 3902, 3998, 4079, 4100, 4289, 4332, 4359, 4381, 4408, 4452, 4620, 4669
TEMPLATES: 451, 784, 1475, 2967, 2990, 4241
TEMPORAL ARTERITIS: 708, 1438, 1870, 4281
TEMPORAL BONE: 2446
TEMPORAL LOBE: 1470, 3898, 4076, 4594, 4747
TEMPOROMANDIBULAR JOINT: 4756
TENDINITIS: 1395
TENDONS: 679, 2238, 4096
TENEBRIO: 4327
TERATOID TUMOR: 73, 137, 175, 378, 495, 550, 802, 881, 918, 1035, 1649, 2183, 2356, 2616, 2738, 3558, 4535, 4598, 4790
TERPENES: 519, 1201, 1673, 1784
TERRITORIALITY: 1580, 1781, 1934
TESTICULAR DISEASES: 421, 593, 664, 1427, 1437, 1813, 2376, 2731, 4214, 4383
TESTICULAR FEMINIZATION: 362, 389, 1405, 1771, 1794, 1834, 2059, 2794, 3121, 3254, 3612
TESTICULAR NEOPLASMS: 11, 73, 117, 137, 175, 191, 378, 550, 771, 842, 918, 1045, 1649, 1819, 1988, 2094, 2287, 2419, 2616, 3558, 3752, 4209, 4303, 4515, 4535, 4630, 4790-4791
TESTIS: 20, 25, 52, 116, 137, 146, 213, 262-263, 288, 294, 315, 357, 362-363, 371, 374, 381, 389, 602, 632, 662, 692, 707, 716, 763, 791, 830, 844, 887, 910, 914, 924, 929, 1009, 1076, 1082, 1097, 1176, 1211, 1225, 1238-1237, 1259, 1273, 1284, 1310, 1316, 1324, 1344, 1370, 1404, 1427, 1437, 1465, 1477, 1554, 1561, 1568-1569, 1588, 1614, 1617, 1649, 1702, 1726, 1736, 1781, 1790, 1792, 1885, 1911, 1922, 1936, 1950, 1966, 1993, 2050, 2053, 2061, 2069, 2072, 2077, 2083, 2092, 2106, 2149-2151, 2170, 2202, 2232, 2262, 2293, 2342, 2372, 2376, 2433, 2472, 2479, 2504-2507, 2554, 2570, 2612, 2666, 2688, 2696, 2731, 2736, 2750, 2786, 2794, 2865, 2887, 2892, 2903, 2939, 2948, 2969, 2997-2998, 3022, 3176, 3182, 3188, 3195, 3207, 3315, 3320, 3325, 3355, 3418, 3438-3439, 3449, 3463, 3466, 3484, 3490, 3510, 3554, 3591, 3611-3612, 3632, 3635, 3645, 3719, 3742, 3753, 3766-3767, 3792, 3802, 3813, 3843, 3845-3846, 3851-3852, 3866, 3878, 3905, 3979, 4011, 4020, 4035, 4037, 4081, 4083, 4134, 4137, 4139, 4147, 4165, 4178, 4248, 4265, 4271, 4311, 4392, 4411, 4415, 4439, 4452, 4454-4455, 4496, 4500, 4512, 4545, 4547, 4558, 4586, 4627, 4632, 4682
TESTOLACTONE: 4445
TESTOSTERONE: 10, 20, 52, 58, 68, 88, 146, 170, 173, 262-263, 279, 294, 302, 304, 327, 356, 362, 376, 389, 406, 474, 497, 539, 578, 602, 664, 667, 685, 720, 729, 755, 764, 826, 828, 848, 894-895, 910, 1001, 1004, 1009, 1049-1050, 1053, 1067, 1082, 1160, 1164, 1167, 1211, 1236-1237, 1247, 1284, 1286-1287, 1297, 1310, 1318, 1320, 1346-1347, 1366, 1369-1370, 1404-1405, 1432, 1443, 1448, 1498, 1561, 1583, 1588-1589, 1629, 1774, 1780, 1799, 1834, 1858, 1888, 1897-1898, 1905, 1934, 1947, 1973, 1999, 2009, 2074, 2084, 2093, 2114-2115, 2293, 2325, 2362, 2414, 2451, 2455-2457, 2462, 2479, 2498, 2504-2507, 2515, 2527, 2534, 2543, 2558, 2593, 2598, 2618, 2647, 2653, 2697, 2717-2719, 2770, 2780, 2794, 2807, 2834, 2865, 2910, 2913, 2923, 2951, 2998, 3022, 3034, 3060, 3078, 3121, 3128, 3161, 3170, 3175-3176, 3201, 3230, 3236, 3269, 3281, 3356, 3381, 3399, 3405, 3433, 3490, 3500, 3517, 3554, 3560, 3567, 3591, 3611, 3621, 3623, 3645, 3710, 3717, 3766, 3770, 3793, 3813, 3817, 3852, 3863, 3868, 3873, 3877, 4038, 4047, 4066, 4091, 4120, 4144, 4177-4178, 4191, 4241, 4361, 4371, 4380, 4390, 4398, 4415-4416, 4454, 4457, 4484, 4512-4513, 4536, 4547, 4558, 4585-4586, 4692-4694, 4719, 4722-4723, 4738, 4740, 4771, 4773
TETANUS: 4112
TETANUS TOXIN: 812
TETANUS TOXOID: 1030
TETANY: 980, 1186, 1224, 2144, 2725, 2836, 3322
TETRABENAZINE: 2304, 3102, 4222
TETRACAINE: 2705, 4113
TETRACYCLINE: 1586, 1876, 2330, 2406, 4016, 4051, 4055, 4080, 4269, 4369, 4396
TETRAHYDROCANNABINOL: 214, 345, 742, 1240, 2066, 3992
TETRAHYDROCORTISOL: 1329, 2450
TETRAHYDROCORTISONE: 1329
TETRAHYDROFOLATES: 199
TETRAHYMENA: 3411
TETRAHYMENA PYRIFORMIS: 4609
TETRALOGY OF FALLOT: 1308
TETRAZOLIUM SALTS: 922, 2628, 2887, 3920, 3991, 4498, 4521, 4528
TETRODOTOXIN: 76, 334, 974, 1282, 2453, 2545, 3266, 3300, 3443

TETROSES: 1795
THALAMIC NUCLEI: 909, 1055, 1133, 1454, 1479, 1798, 2368, 2456, 2915, 2996, 3047, 4594, 4664
THALAMUS: 214, 368, 466, 562, 820, 928, 1231, 1246, 1550, 1768, 2141, 2487, 2906-2908, 2982, 3155, 3463, 4145, 4674
THALASSEMIA: 48
THALIDOMIDE: 1632, 1722, 2401
THALLIUM: 4502
THECA CELL TUMOR: 590, 1679
THEOBROMINE: 2574, 3803
THEOPHYLLINE: 77, 86, 322, 337, 373, 382, 454, 489, 537, 602, 608, 843, 936, 961-962, 1015, 1104, 1124, 1139, 1289, 1358, 1459, 1526, 1635, 1646, 1914, 2036, 2209, 2220, 2258-2259, 2268, 2271, 2336, 2421, 2431-2432, 2480, 2574, 2751, 2858, 3000, 3168, 3215, 3221, 3293, 3343, 3427, 3577, 3803, 3865, 3923, 3986, 4002, 4565, 4687, 4706, 4713, 4742, 4793
THERMAL CONDUCTIVITY: 13
THERMODYNAMICS: 1900, 2174, 2547
THERMOLYSIN: 75, 699, 1651
THERMOMETERS: 3030
THERMORECEPTORS: 1280, 2131
THIAMINE: 83, 561, 3406
THIAMINE PYROPHOSPHATE: 2560
THIAMYLAL: 1852
THIAZOLES: 735, 1915, 3955
THINNESS: 4799
THIOCARBAMATES: 870, 1793, 1981, 4405
THIOCYANATES: 75, 872, 884, 1074, 1078, 1163, 1301, 1307, 1445, 1651, 1891, 1961, 2034, 2089-2090, 2274, 2374, 3067, 3451, 3936, 3955-3956, 4276, 4279, 4417
THIOGLYCOLATES: 4366
THIOGUANINE: 1556, 3189
THIOPENTAL: 3074, 3161, 4592
THIOPHENES: 84, 2339
THIOPROPAZATE: 3708
THIORIDAZINE: 3708
THIOSEMICARBAZONES: 2265-2266, 3029
THIOSULFATES: 3429
THIO-TEPA: 3184
THIOURACIL: 243, 1505, 1942, 3303, 3962, 4136, 4370, 4444, 4698
THIOUREA: 338, 735, 1379, 1502, 1615, 2501, 3029, 3079, 3115, 3387, 3448, 3859, 3886, 3962, 4040, 4082, 4097, 4292, 4313, 4366, 4393, 4405
THIOURIDINE: 1505, 4698
THIRAM: 870
THIRST: 64, 572, 2298, 2715, 3037, 3542, 3619, 4637, 4747
THORACIC DUCT: 1521, 2044, 2522, 3589
THORACIC NEOPLASMS: 2389
THORACIC RADIOGRAPHY: 905, 4855
THORACIC VERTEBRAE: 3432, 4299, 4392
THORAX: 679, 717, 790, 2039, 3584
THORIUM DIOXIDE: 1808
THREONINE: 2390, 3316
THROMBELASTOGRAPHY: 3949
THROMBIN: 432, 1379, 3024, 4546, 4806
THROMBOEMBOLISM: 458, 1319, 2112, 2351, 3853, 3949, 4152, 4306, 4541, 4779
THROMBOPENIA: 549, 934, 1435, 4121, 4329, 4771
THROMBOPHLEBITIS: 138, 609, 1300, 1319, 2112, 3667, 4306, 4401, 4891
THROMBOPLASTIN: 4059
THROMBOPOIETIN: 3615
THROMBOSIS: 430-431, 865, 1319, 1463, 2291, 2378, 3685, 4378, 4548
THUMB: 4617
THYMECTOMY: 82, 600, 642, 1415, 1440, 1599, 1625, 2522, 3034, 3192, 4351
THYMIDINE: 24, 182, 553, 645, 653, 669, 689, 744, 749, 1079, 1168, 1270, 1276, 1505, 1549, 1790, 2062, 2095, 2236, 2449-2450, 2509, 2711, 2736, 2747, 2892, 3221, 3613, 3678, 4032, 4120, 4185, 4263-4264, 4327, 4408, 4698, 4797
THYMIDINE KINASE: 1551, 4361
THYMINE: 211
THYMINE NUCLEOTIDES: 561, 2178
THYMOL: 3956
THYMOMA: 211, 361, 609, 1440, 1521, 1598, 1625, 2047, 2071, 4581, 4653
THYMOXAMINE: 2384
THYMUS GLAND: 39, 56, 82, 101, 202, 211, 288, 346, 543, 911, 1079, 1275, 1415, 1665, 1805, 2038, 2044, 2069, 2534, 2570, 2670, 2777-2778, 2969, 3034, 3045, 3125, 3355, 3589, 3764, 3887, 3931, 4131, 4351, 4631, 4653, 4672, 4675, 4746
THYMUS HYPERPLASIA: 56
THYMUS NEOPLASMS: 361, 609, 1440, 1521, 1598-1599, 1625, 2047, 2071, 2245, 4581, 4653, 4656
THYROCALCITONIN: 126, 257, 273, 321, 358, 414, 560, 585, 594, 603, 828, 1003, 1129, 1196, 1214, 1578, 1609, 1619, 1668, 1683, 1758, 2124, 2264, 2301, 2392, 2737, 2753, 2756, 2765, 2814, 2900, 3039, 3231, 3261, 3455, 3583, 3733, 3779, 3916-3917, 3961, 4190, 4421, 4446, 4549, 4564, 4780
THYROGLOBULIN: 32, 186, 317, 722, 789, 957, 1266, 1548, 1938, 2084, 2135, 2274, 2324, 2860, 3357, 3564, 3697, 3933, 4072, 4109, 4131, 4279
THYROID ANTAGONISTS: 243, 1837, 2280, 3015, 3303, 3457, 3881, 4095, 4588, 4776, 4783, 4788
THYROID CRISIS: 1327, 1653, 1860, 3025, 3166, 4183, 4220
THYROID DISEASES: 243, 526, 559, 635, 950, 1037, 1185, 1203, 1210, 1270, 1283, 1512, 1523, 1541, 1596, 1609, 1667, 1837, 1894, 1912, 1987, 2081-2082, 2165, 2203, 2230, 2269, 2300, 2603, 2702, 2713, 2788, 2879, 2999, 3025, 3075, 3100, 3146, 3148, 3310, 3557, 3665, 3934, 3974, 4049, 4118, 4132, 4308, 4398, 4429, 4446, 4567, 4588, 4712, 4784, 4786
THYROID GLAND: 12, 32, 53, 83, 97, 143, 186, 251, 254, 273, 288, 318, 335, 338, 407, 450, 495, 530-531, 559, 612, 625, 638, 661, 727, 991, 993, 1026, 1081, 1103, 1119, 1137, 1146, 1185, 1221-1222, 1266, 1280, 1283, 1307, 1326, 1332, 1340, 1397, 1413-1414, 1458, 1518, 1564, 1619, 1782, 1805, 1817, 1842, 1853, 1877, 1904, 1912, 1938, 1951, 1993, 2016, 2035, 2040, 2049, 2052, 2057, 2078, 2080, 2135, 2151, 2153, 2203, 2213, 2243, 2270, 2274, 2375, 2393, 2422, 2454, 2470, 2501, 2585-2586, 2590, 2609, 2753, 2756, 2762, 2767, 2788, 2867, 2927, 2944, 2947, 2969, 2978, 2999, 3015, 3069, 3075, 3145, 3166, 3222, 3228-3229, 3309, 3335, 3357, 3460, 3477, 3491, 3516, 3528, 3530, 3585, 3604, 3631, 3697-3698, 3770, 3821, 3841, 3869, 3880, 3918, 3931, 3933, 3943, 3961-3962, 3996, 4036, 4072, 4115, 4118, 4131, 4203, 4259, 4274, 4346, 4413, 4460, 4516, 4526, 4588, 4631, 4637, 4654-4655, 4657, 4679, 4684, 4687, 4698, 4706, 4724, 4735, 4776
THYROID GLAND FUNCTION TESTS: 183, 261, 274, 481, 535, 564, 993, 1040-1041, 1091, 1283, 1328, 1397, 1518, 1733, 1842, 1860, 1894, 1944, 1976, 1986, 2088, 2138, 2181, 2269, 2314, 2447, 2603, 2837, 2896, 2961-2962, 3100, 3279, 3310, 3338, 3460, 3527-3528, 3557, 3572, 3641, 3664-3665, 3930, 3974, 4072, 4085, 4117-4118, 4152, 4163, 4320, 4460, 4659, 4783
THYROID HORMONES: 210, 612, 747, 794, 1040, 1088, 1127, 1270, 1280, 1307, 1518, 1619, 1681, 1712, 1896, 1990, 2016, 2091, 2121, 2246, 2280, 2999, 3069, 3145, 3162, 3372, 3590, 3617, 3789, 3931, 3989-3990, 4229, 4534, 4687, 4789
THYROID NEOPLASMS: 53, 98, 127, 143, 236, 242, 278, 321, 366, 603, 885, 903, 1146, 1192, 1229, 1283, 1488, 1523, 1564, 1596, 1808, 1837, 2078-2079, 2094, 2206, 2244, 2392, 2439, 2616, 2763, 2781, 2788, 3164-3165, 3330, 3402, 3547, 3656, 3733, 3829, 3864, 3912, 3950, 3983, 4012, 4095, 4129, 4203, 4421, 4446, 4464, 4486, 4511, 4534, 4588, 4767, 4788
THYROIDECTOMY: 53, 277, 625, 991, 1081, 1091, 1119, 1137, 1185, 1280, 1493, 1523, 1619, 1830, 1837, 1860, 1896, 1972, 2052, 2091, 2153, 2270-2271, 2280, 2375, 2394, 2454, 2491, 2793, 3069, 3222, 3252, 3335, 3482, 3682, 3733, 3869, 3943, 4115, 4129, 4534, 4588, 4679, 4684
THYROIDITIS: 149, 1119, 1523, 1547, 1837, 2016, 2624, 3253, 3477, 3564, 3854, 4131, 4308, 4446, 4588, 4800
THYROIDITIS, LYMPHOMATOUS: 211, 934, 1397, 2307, 2860, 4344, 4588
THYRONINE: 102, 1512, 1835, 1942, 4687
THYROTROPIN: 7, 94, 186, 226, 260, 530-531, 537, 608, 634-635, 713, 798, 816, 1081, 1091, 1103, 1203, 1252, 1307, 1326, 1397, 1461, 1541-1544, 1593, 1606, 1687, 1725, 1733, 1765, 1773, 1786, 1822, 1834, 1837, 1904, 1906, 2049, 2057, 2060, 2138, 2197, 2213, 2561, 2833, 2867, 2911-2912, 2927, 2947, 2957, 2974, 3072, 3145, 3148-3151, 3162, 3214, 3279, 3282, 3309-3310, 3331, 3335, 3457, 3475, 3516, 3525, 3572, 3585, 3640-3642, 3649, 3665-3666, 3697, 3827, 3876, 3918-3919, 3934, 3989-3990, 4072, 4095, 4119, 4195, 4202, 4261, 4274, 4277, 4310, 4346, 4413, 4433, 4534, 4589, 4657, 4685-4686, 4692, 4706, 4735, 4753
THYROTROPIN RELEASING FACTOR: 7, 226, 260, 287, 634-635, 846, 1081, 1102-1103, 1126, 1252, 1309, 1473, 1541-1544, 1606, 1688, 1842, 1904, 1906, 2138, 2197, 2911-2912, 2957, 3120, 3148-3152, 3214, 3282, 3309, 3331, 3475, 3516, 3640-3642, 3665, 3671, 3926, 3989-3990, 4072, 4277, 4310, 4663, 4753
THYROXINE: 12, 94, 157, 203, 243, 261, 298, 318, 400, 480-481, 495, 528-529, 535, 552, 605, 624, 740, 747, 795, 800, 898, 1005, 1041, 1091, 1103, 1114, 1128, 1146, 1202, 1245, 1249, 1260, 1302, 1307, 1326-1327, 1397, 1458, 1475, 1574, 1653-1654, 1665, 1698, 1733, 1772, 1804, 1814, 1835, 1847, 1855, 1860, 1896, 1944, 1969, 2082, 2099, 2103, 2114, 2121, 2214, 2271, 2280, 2314, 2324, 2394, 2449, 2469, 2483, 2502, 2586, 2596, 2603, 2634, 2698, 2840, 2859, 2865, 2884, 2934, 2947, 2962, 2979, 3025, 3027, 3044, 3069, 3072, 3075, 3080, 3149, 3179, 3204, 3279-3280, 3335, 3364, 3457, 3475, 3516, 3525, 3548, 3585, 3590, 3648, 3663, 3720, 3770, 3789, 3836, 3876, 3879, 3918-3919, 3974, 3989-3990, 4004, 4072, 4119, 4163, 4238, 4293, 4320, 4346, 4368, 4481, 4526, 4569, 4588, 4604, 4637, 4659, 4687, 4759, 4783, 4786, 4789
THYROXINE-BINDING PROTEIN: 274, 481, 1041, 1128, 1307, 1453, 1628, 1698, 1751, 2082, 2114, 2181, 2324, 2655, 2859-2860, 2979, 3075, 3228, 3279, 3364, 3457, 3597, 3767, 3770, 3836, 3879, 3974, 4119, 4163, 4261, 4368, 4526
TIBIA: 71, 360, 547, 556, 702, 1656, 1788, 1876, 2773, 2909, 3181, 3344, 3932, 3939, 4645
TICKS: 3107
TIME: 515, 2188
TIME FACTORS: 12, 16-20, 28, 34, 45, 56, 80-81, 85, 93, 99, 101, 107, 119, 125, 139, 155, 163, 174, 181, 184, 192, 197, 202, 204, 212-213, 215, 221, 227, 240-241, 250, 253, 258, 262, 270, 276, 290, 294, 296, 316, 322, 330, 337-338, 342, 345, 348, 358, 362, 371, 378, 380, 385, 395, 398-399, 420, 424, 434, 436, 444, 458, 460, 462, 464, 473, 476, 483, 489, 492, 496-499, 513, 522-523, 530, 535, 542-544, 546, 560, 574, 581, 595, 608, 617, 619, 626-627, 631, 644-645, 650, 652, 662-663, 668, 672-674, 676, 682-683, 695, 698, 701, 710, 730, 732, 735, 737, 741, 749-750, 754, 758, 764, 768-769, 778, 785-786, 792, 796, 802-803, 805-809, 813, 817-818, 821, 827, 829-830, 837, 859, 864, 867, 870, 875, 877, 896, 898-899, 909-910, 913, 915, 933, 938, 942, 944, 946, 954, 958, 968, 976-977, 999, 1001, 1010, 1012, 1020, 1025, 1027, 1042-1043, 1046, 1050, 1053-1054, 1056, 1058, 1072, 1081, 1096, 1103, 1111, 1116, 1135, 1139, 1141, 1150, 1156, 1161-1162, 1165, 1168, 1170, 1189-1190, 1198, 1200, 1209, 1216, 1225, 1239, 1252, 1293, 1296-1299, 1304, 1309, 1330, 1335-1336, 1343, 1351, 1355, 1358, 1363, 1366, 1372, 1380, 1392, 1398-1399, 1401, 1404, 1407, 1412, 1416, 1422-1423, 1436, 1448, 1460, 1462, 1471, 1483, 1486, 1491, 1503-1504, 1519, 1529, 1532-1534, 1537, 1544, 1556-1557, 1560-1561, 1574, 1579, 1586, 1590, 1592, 1594, 1597, 1610, 1622, 1630, 1632, 1640, 1642, 1646, 1654, 1657, 1663, 1673, 1676, 1701, 1703, 1707, 1718-1719, 1744, 1747, 1750, 1772, 1774, 1789, 1792-1793, 1795-1796, 1798, 1800-1802, 1807, 1838-1839, 1855, 1857, 1874, 1881, 1884, 1889, 1897, 1899, 1901, 1907, 1914, 1917, 1924, 1930-1931, 1941, 1946, 1967, 1978, 1980, 1984, 1997, 2001, 2008, 2014, 2018, 2020, 2022, 2025, 2027-2028, 2036, 2050-2051, 2055, 2057-2058, 2062, 2069, 2086, 2088, 2098, 2104, 2114-2115, 2123, 2128, 2132, 2135, 2139, 2143, 2147, 2149, 2155, 2168, 2172, 2186, 2199, 2206, 2223, 2234-2235, 2253, 2259-2260, 2262, 2270, 2278, 2283, 2285, 2294, 2304-2305, 2308, 2311
2312-2313, 2323, 2331-2332, 2341, 2351, 2356, 2365, 2373, 2377, 2381, 2395, 2413, 2427, 2429, 2434, 2438, 2441, 2443-2444, 2465, 2468, 2472, 2475, 2482, 2504, 2522, 2539, 2542, 2545, 2547, 2554-2555, 2558, 2567, 2579, 2596, 2605, 2618-2620, 2627, 2631, 2634-2635, 2637, 2641, 2646, 2650, 2659, 2680, 2685, 2688, 2692-2693, 2695, 2700, 2706, 2708, 2718-2719, 2736, 2746, 2760-2761, 2765-2767, 2771, 2773, 2777-2778, 2787, 2792, 2797, 2801, 2803, 2805-2806, 2816, 2823, 2836, 2839, 2842, 2845, 2854-2855, 2858, 2865, 2882, 2884, 2897, 2902, 2913, 2917, 2925, 2929-2930, 2933, 2939, 2941, 2943, 2947, 2954, 2956, 2960, 2971, 2988, 2992, 2997, 3003, 3006, 3011-3012, 3027,

3036-3037, 3039, 3042, 3050, 3055, 3058, 3063, 3066, 3089, 3097, 3104, 3116, 3136, 3138, 3143, 3145, 3157, 3170, 3174-3175, 3179, 3184-3185, 3188, 3194-3195, 3200, 3207, 3212, 3214, 3221, 3226, 3228, 3240, 3248, 3257, 3263-3264, 3275, 3281, 3284, 3289, 3311, 3319, 3321, 3327, 3332, 3348, 3350-3351, 3390, 3392, 3394, 3396, 3406, 3412, 3424, 3440, 3443, 3448-3449, 3455-3456, 3486, 3496, 3498, 3500-3501, 3505, 3512, 3530, 3535, 3540, 3542, 3550, 3554, 3572, 3577-3578, 3585, 3592, 3604, 3606, 3608, 3616-3617, 3631, 3644, 3650, 3652, 3660-3662, 3665-3666, 3673-3674, 3677, 3680, 3687, 3692, 3696, 3699, 3720, 3722, 3729-3730, 3734-3735, 3742, 3747, 3753, 3755, 3757, 3763, 3768, 3772, 3776, 3780, 3783, 3803-3804, 3810, 3831, 3837, 3839, 3849, 3860, 3862, 3866, 3869, 3871, 3873, 3876, 3891, 3900-3901, 3904, 3935, 3950-3952, 3962, 3966, 3978-3979, 3990, 3998, 4001-4002, 4012, 4014, 4018, 4020, 4026-4027, 4029-4030, 4033-4034, 4040, 4058, 4060-4061, 4079, 4086, 4091, 4108, 4111, 4113-4114, 4120-4121, 4130, 4133, 4139-4141, 4143, 4155, 4158, 4163, 4174, 4188, 4208, 4219, 4234, 4245, 4258-4259, 4261-4263, 4272, 4275, 4277, 4285, 4288, 4294, 4296-4297, 4309, 4318-4319, 4321, 4325, 4350, 4353-4354, 4359, 4362, 4373-4374, 4380-4382, 4388, 4394, 4400, 4407, 4434, 4440-4441, 4456, 4462
4466, 4468-4469, 4471-4472, 4483, 4486-4487, 4490, 4493, 4498-4500, 4508, 4515, 4520, 4526-4527, 4537, 4551-4552, 4559, 4577, 4585, 4600, 4605-4606, 4619, 4632, 4649, 4687, 4690, 4692, 4696, 4706, 4708, 4717, 4726, 4735, 4740, 4742, 4770, 4779, 4781, 4804
TIN: 4672
TINEA: 2122
TINEA CAPITIS: 2122
TISSUE ADHESIVES: 702
TISSUE CULTURE: 124, 357, 407, 486, 553, 673, 776, 781, 985, 1015, 1112, 1168, 1205, 1250, 1309, 1497, 1554, 1620, 1841, 1938, 1950, 2064, 2095, 2212, 2232, 2370, 2805, 2916, 3029, 3034, 3128, 3198, 3304, 3317, 3422, 3449, 3661, 3686, 3883, 4184, 4544, 4709, 4715, 4773
TISSUE DONORS: 3009, 3658
TISSUE EXTRACTS: 37, 204, 262, 270, 311, 622, 965, 1247, 1389, 1544, 1681, 2036, 2213, 2352, 2365, 2372, 2408, 2888, 3306, 3342, 3719, 3921, 4003, 4026, 4066, 4119, 4379, 4420, 4568
TISSUE PRESERVATION: 227, 504, 1205, 2308, 2950, 4781
TISSUE SURVIVAL: 124, 2308
TISSUE THERAPY: 2689
TITANIUM: 4623
TOADS: 969, 2344, 3063, 3235, 3262
TOES: 547, 3398
TOLAZOLINE: 3285
TOLBUTAMIDE: 552, 567-569, 653, 2858, 3460, 3839, 4048
TOLUENE: 1099, 1141, 1991, 2591, 4217
TOLUIDINE BLUE O: 2428, 3462
TOMOGRAPHY: 1782, 3117, 3190, 3432
TOMOGRAPHY, RADIOGRAPHIC: 2446, 2930, 3243, 4553
TONGUE: 638, 2428, 3008, 3234, 3540, 4554
TONGUE NEOPLASMS: 1192, 1591, 2999
TONSIL: 1415
TONSILLECTOMY: 2566, 4396
TOOTH: 71, 972, 2723
TOOTH ABNORMALITIES: 3701, 4392
TOOTH CALCIFICATION: 4410
TOOTH EROSION: 4643
TOOTH ERUPTION: 2744
TOOTH EXTRACTION 606, 1196
TOOTH ROOT: 3701
TOOTH, UNERUPTED: 2478
TORSION: 252, 1876, 4803
TORTICOLLIS: 205
TOUCH: 2192
TOXICOLOGY: 2345, 2384
TOXIFERINE: 3083, 4592
TOXINS: 194, 1259, 1466, 1767, 1795, 2072, 2399, 2741, 3144, 4104, 4141, 4599
TRACE ELEMENTS: 721, 2816, 3156
TRACHEA: 2428, 3127, 3195, 3351
TRACHEAL STENOSIS: 2573
TRACHEOTOMY 450, 4068
TRACTION: 541, 4151, 4387
TRAINING SUPPORT: 4766
TRANQUILIZING AGENTS: 490, 538, 735, 837, 995 1051 2203, 2966, 3265, 3882
TRANSCORTIN: 19, 139, 247, 1401, 1482, 2637, 3705, 3788, 4046, 4347, 4538
TRANSCRIPTION, GENETIC: 891, 1201, 2139, 2458, 2967, 3211, 3456, 3605, 3615, 3787, 4697
TRANSDUCERS: 118, 1441, 3219, 3580, 3978
TRANSDUCTION, GENETIC: 1066
TRANSFERASES: 284, 1711, 3065, 3131, 3396, 3952
TRANSFERRIN: 1889, 2816
TRANSLATION, GENETIC: 96, 207, 621, 799, 1201, 3456, 3615, 3787, 3816, 4010
TRANSPLANTATION: 249
TRANSPLANTATION, AUTOLOGOUS: 224, 611, 2026, 2237, 2537, 2999, 3672, 3873, 4259, 4471
TRANSPLANTATION, HETEROLOGOUS: 101, 600, 2357, 4097, 4601
TRANSPLANTATION, HOMOLOGOUS: 105, 116, 135, 181, 227, 249, 281, 309, 504, 584, 641, 676, 678, 714, 716, 739, 744, 762, 858-859, 1033, 1145, 1389, 1581, 1631, 1754, 1991, 2026, 2158, 2193, 2342, 2527, 2555, 2685-2686, 2808, 2916, 3009, 3172, 3340, 3454, 3466, 3488, 3568, 3658, 3793, 3873, 3922, 4108, 4131, 4177, 4199, 4259, 4267, 4331, 4512, 4521, 4751, 4781
TRANSPLANTATION IMMUNOLOGY: 181, 642, 744, 1655, 2484, 2688, 4601
TRANSSEXUALISM: 1794, 2802, 3182, 4574
TRANYLCYPROMINE: 173, 741, 1142-1143, 1302, 1335, 1960
TREES: 1279
TREMATODA: 2892, 4159
TREMATODE INFECTIONS: 1608
TREMOR: 909, 1567, 2102, 2304, 3301, 3935
TRENGESTONE: 942, 2581
TREPONEMA PALLIDUM: 1922, 2688
TRIAMCINOLONE: 6, 498, 841, 2980, 3379, 3551, 3984, 4235, 4262, 4471, 4484, 4712
TRIAMCINOLONE ACETONIDE: 93, 1120, 1164, 1295, 1939, 1996, 2648, 2789, 2918, 4100, 4262, 4408, 4518
TRIATOMINAE: 4226
TRIAZINES: 162, 682, 2268, 4806
TRIAZIQUONE: 2218
TRICHLOROACETIC ACID: 788, 2326, 2767, 4063
TRICHOPHYTON: 1161, 2122
TRICHOSTRONGYLOIDEA: 523
TRICHOSTRONGYLOIDIASIS: 523, 3142
TRICUSPID VALVE: 2769
TRIFLUOPERAZINE: 538, 3708, 4350
TRIFLUPROMAZINE: 3708
TRIGLYCERIDES: 242, 584, 882, 1202, 1248, 1330, 1430, 1456, 1579, 2002, 2085, 2260, 2543, 2757, 2759, 2787, 3064, 3255, 3282, 3290, 3312, 3419, 3617, 3776, 3783, 3789, 3802, 3820, 4048, 4061, 4162, 4271, 4308, 4440
TRIHEXYPHENIDYL: 446, 2766
TRIIODOTHYRONINE: 12, 152, 219, 243, 260, 274, 318, 495, 503, 528-529, 535, 559, 605, 704, 795, 1011, 1091-1092, 1103, 1128, 1132, 1172, 1307, 1327, 1419, 1472, 1653, 1667, 1686, 1733, 1772-1773, 1835, 1842, 1855, 1860, 1865, 1944, 2121, 2153, 2280, 2314, 2324, 2394, 2584, 2733, 2739, 2859, 2884, 2945, 2947, 2984, 3044, 3051, 3072, 3279, 3331, 3464-3465, 3516, 3572, 3585, 3597, 3647-3648, 3663, 3770, 3918, 3974, 3989-3990, 4004, 4072, 4081, 4085, 4119, 4346, 4569, 4588, 4604, 4687, 4786, 4789
TRIMEPRAZINE: 3708
TRIMETHADIONE: 2449
TRIMETHOPRIM: 3524, 3656
TRIOLEIN: 3976
TRIPARANOL: 926
TRIPELENNAMINE: 3242
TRIPLETS: 1304
TRISOMY: 161, 477, 1029, 1176, 1722, 2164, 3124, 3249, 3593, 3801, 4324, 4367
TRITIUM: 19-20, 24, 42, 52, 63, 75, 80, 88, 92-93, 121, 139, 167, 170-171, 182, 188, 193, 212-213, 215, 247, 251, 256, 263-264, 284, 292, 322, 340-341, 355, 367, 371, 387, 406, 438, 451, 460, 484-485, 497, 543, 553, 555, 577-578, 595, 599, 617, 621, 644-645, 653, 669, 673, 681-683, 685, 689, 699, 706, 730, 744, 749, 760, 764, 775, 843, 846, 848, 882, 891, 908, 916, 926-927, 942, 952, 976, 978, 992, 999, 1001, 1025, 1027, 1058, 1067, 1079, 1098, 1104, 1131, 1160, 1168, 1170-1171, 1201, 1215, 1235-1236, 1260, 1270, 1276, 1295-1296, 1298-1299, 1309, 1366, 1375-1376, 1404-1405, 1426, 1464, 1471-1473, 1475, 1482, 1491, 1493, 1513-1514, 1551, 1555, 1557, 1561, 1569, 1576, 1610, 1617, 1621, 1650, 1662, 1674-1675, 1688, 1700-1701, 1711, 1741-1742, 1784, 1790, 1797, 1812, 1815, 1895, 1907, 1926, 1937, 1943, 1954, 1974, 2009, 2025, 2057, 2062, 2084, 2086, 2093, 2095, 2104, 2123, 2128, 2139, 2152, 2172, 2204, 2228, 2236, 2259, 2265-2266, 2293, 2316, 2347, 2362, 2389, 2395-2397, 2414, 2418, 2449-2450, 2459, 2461, 2474, 2481, 2498, 2509, 2518, 2548-2550, 2559, 2565, 2580, 2593, 2598, 2605, 2613, 2618, 2637, 2679, 2694, 2697, 2711, 2717-2719, 2736, 2747, 2760, 2768, 2770, 2787, 2797, 2823, 2834, 2865-2867, 2892, 2895, 2924, 2932, 2953, 2968, 2979, 2990, 3006-3007, 3034, 3036, 3060, 3077, 3084, 3086, 3089, 3131, 3136, 3178, 3221, 3228, 3236, 3268, 3271, 3284-3285, 3300, 3313, 3318, 3321, 3324, 3404, 3414, 3436-3437, 3453, 3470, 3472, 3500, 3515, 3522, 3531, 3583, 3589, 3592, 3603, 3613-3614, 3617, 3620, 3624, 3643, 3660-3661, 3678, 3680, 3686, 3693, 3724, 3739, 3757, 3766, 3772-3773, 3787, 3803, 3822, 3849, 3856, 3858, 3890, 3897, 3901-3904, 3927, 3951, 3960-3961, 3966-3967, 3969, 3998, 4019, 4032, 4062-4063, 4066, 4087, 4120, 4130, 4133, 4141, 4146, 4185, 4197, 4237, 4241, 4262-4265, 4297-4298, 4305, 4327, 4345, 4364, 4374, 4376, 4382, 4398, 4408, 4411, 4415, 4420, 4427, 4432, 4444, 4449, 4453-4454, 4456-4459, 4493, 4527, 4538, 4583-4584, 4607
4620-4622, 4633, 4638, 4657, 4680-4681, 4693, 4696, 4699, 4735, 4740, 4743-4744, 4797
TROMETHAMINE: 276, 2308
TROPANES: 2337
TROPHOBLAST: 154, 2484, 4263
TROPHOBLASTIC TUMOR: 666, 1659-1660, 1730, 1826, 1899, 2373, 2993, 3385, 3726, 4092, 4228, 4263, 4711
TROPICAL MEDICINE: 1120
TROPOMYOSIN: 312, 1757, 2017, 3784
TRYPAN BLUE: 2931, 3223
TRYPANOSOMIASIS, SOUTH AMERICAN: 2894
TRYPSIN: 75, 124, 277, 341, 407, 699, 811, 1371, 1651, 1767, 1961, 2124, 2336, 2409, 2513, 2988, 3018, 3067, 3227, 3293, 3327, 3455, 3522, 3613, 3679, 3927, 3998
TRYPSIN INHIBITORS: 1353, 2336, 2988, 3024, 3293
TRYPTAMINES: 199, 239, 372, 385, 548, 852, 1555, 1699, 1742, 2068, 2350, 2748, 3134, 3202, 3328, 4019, 4335, 4350, 4593, 4633
TRYPTOPHAN: 107, 110, 131, 136, 143, 156, 188, 299, 576-577, 654, 683, 819-820, 835, 975, 1014, 1233, 1374, 1398, 1460, 1486, 1513, 1527, 1555, 1573, 1611, 1662, 1787, 1797, 1910, 1915, 2104, 2404, 2561, 2878, 3336, 3586, 3683, 3687, 3772, 4017, 4164, 4595, 4796
TRYPTOPHAN HYDROXYLASE: 239, 819, 1335, 2474, 3041, 4733, 4780
TRYPTOPHAN OXYGENASE: 683, 726, 819, 1787, 2469, 3336, 3662
TUBERCULIN: 3293, 4542
TUBERCULIN TEST: 676, 830, 1912, 4542
TUBERCULOMA: 719, 3409
TUBERCULOSIS: 1586, 2925, 4498
TUBERCULOSIS, ENDOCRINE: 1912
TUBERCULOSIS, LYMPH NODE: 2645
TUBERCULOSIS, MENINGEAL: 2852, 3409
TUBERCULOSIS, MILIARY: 447
TUBERCULOSIS, OSTEOARTICULAR: 447, 899, 3458, 4148
TUBERCULOSIS, PULMONARY: 447, 641, 1117, 3038, 4143, 4651
TUBERCULOSIS, SPINAL: 1117
TUBOCURARINE: 361, 2551, 2652, 2748, 3462
TURKEY: 2167
TURKEYS: 340-341, 1299, 3763, 4668, 4692
TURNER'S SYNDROME: 343, 554, 559, 717, 1029, 1110, 1223, 1308, 1359, 1827, 1903, 2059, 2164, 2449, 3256, 3397, 3587, 3738, 3801, 3905, 4196, 4570, 4765
TURTLES: 3462, 4302
TWINS: 902, 1304, 1372, 1722, 2256, 2571, 2882, 2989, 3066, 3625, 3760, 3786, 4676, 4759
TYMPANIC MEMBRANE: 679, 3488, 4280
TYPHOID: 1414, 2452
TYPHOID-PARATYPHOID VACCINES: 1030
TYPHUS: 1802
TYRAMINE: 199, 582, 646, 852, 922, 1428, 2670, 2748, 3323, 3601, 3865, 4219, 4565
TYROSINE: 12, 143, 167, 577, 654, 775, 1143, 1233, 1371, 1400, 1460, 1557, 1573, 1767, 1787, 2458, 2695, 2892, 3324, 4063, 4098, 4527, 4654

TYROSINE AMINOTRANSFERASE: 682-683, 1787, 3002-3003, 3336, 4180, 4376
TYROSINE HYDROXYLASE: 143, 167, 576, 741, 775, 1142, 1261, 1557, 2474, 4527
TYROTHRICIN: 961, 2648

U

UBIQUINONE: 519, 1074
UDDER: 452, 1585, 2240
UDP GLUCURONOSYLTRANSFERASE: 1227, 3416
UGANDA: 566, 2373, 3160, 4246
UKRAINE: 1122
ULCER: 3518, 4031, 4771
ULNA: 702, 3455, 4392, 4447
ULNAR NERVE: 361, 4342
ULTIMOBRANCHIAL BODY: 898, 3455, 3961
ULTRACENTRIFUGATION: 351, 401, 871, 1163, 1336, 1461, 1513, 1639, 2274, 2739, 2811, 2878, 2891, 3294, 3419, 3470, 3874-3875, 3903, 3921, 3933, 3982, 3998, 4066, 4279
ULTRAFILTRATION: 156, 1337, 1426, 1721, 2018, 2118, 2241, 2513, 2535, 4030, 4105, 4309
ULTRASONIC THERAPY: 482, 994, 4300
ULTRASONICS: 61, 177, 347-348, 1513, 1782, 2036, 2256, 2263, 2541, 2904, 3321, 3444, 3726, 4622
ULTRAVIOLET RAYS: 996, 1125, 1164, 1503, 1616, 1913, 1917, 2214, 3754, 4042, 4053, 4775
ULTRAVIOLET THERAPY: 900, 4375, 4775
UMBILICAL ARTERIES: 779, 1632, 1931, 2650, 3197
UMBILICAL CORD: 10, 60, 154, 1372, 1390, 1658, 1772-1773, 2650, 2859, 3314, 4288
UMBILICAL HERNIA: 3540, 4554
UMBILICAL VEINS: 779, 1931, 2650
UMBILICUS: 3540
UNCOUPLING AGENTS: 135, 187, 4417, 4526
UNDECYLENIC ACID: 2253, 2477, 3073
UNDERACHIEVEMENT: 963
UNITED STATES: 210, 313, 721, 1484, 1659, 1695, 1722, 2021, 2125, 3385, 3738, 3754, 4053, 4057, 4122, 4357, 4766
UNITED STATES NATIONAL INSTITUTES OF HEALTH: 1659
UNIVERSITIES: 3754, 4053, 4766
URACIL: 448, 4032, 4370
URACIL NUCLEOTIDES: 273, 1587, 2178, 2495, 2768, 3808, 4698
URANIUM: 1808
URATE OXIDASE: 723
URBAN POPULATION: 643, 4156
UREA: 293, 341, 351, 402, 777, 930, 1439, 1487, 1534, 1628, 1908, 2030, 2069, 2532, 2542, 2570, 2878, 2891, 3067, 3157, 3171, 3364, 3377, 3812, 4096, 4239, 4644
UREMIA: 163, 589, 886, 1084, 1228, 2163, 2210, 2231, 2642, 2709, 3019, 3095, 3377, 3659, 3910, 4521
URETER: 695, 724, 2487, 3087, 3239, 3256
URETERAL CALCULI: 3497
URETERAL DISEASES: 295, 1631, 3234
URETERAL NEOPLASMS: 883
URETERAL OBSTRUCTION: 165, 378
URETEROCELE: 1631, 4511
URETHANE: 1590, 3046, 4548, 4639
URETHRA: 841, 914, 1689
URETHRAL DISEASES: 914, 1689, 2531
URETHRAL STRICTURE: 914, 1689, 2789
URETHRITIS: 1689
URIC ACID: 97, 168, 723, 1056, 1724, 1764, 1821, 2665, 3255, 3358, 3479, 4704, 4742
URIDINE: 93, 251, 595, 644-645, 843, 1201, 1362, 1505, 2025, 2057, 2139, 2220, 2823, 3589, 4514, 4698
URIDINE DIPHOSPHATE SUGARS: 867, 1336
URINARY CALCULI: 2531, 4231
URINARY CATHETERIZATION: 724, 3239
URINARY DIVERSION: 1631
URINARY FISTULA: 914
URINARY INCONTINENCE: 679, 3239, 3256
URINARY TRACT: 695, 924, 1029, 2183, 3962
URINARY TRACT INFECTIONS: 695, 1033, 1689, 3256, 3568
URINATION: 165, 3626
URINATION DISORDERS: 1226, 2789, 4560
URINE: 64, 564, 714, 1022, 1151, 1580, 1642, 1689, 1868, 1934, 2149-2150, 2210, 2298, 2499, 2649, 2791, 2942, 3133, 3390, 3524, 3993, 4103, 4195, 4200, 4664
UROCHORDATA: 2748
UROGENITAL NEOPLASMS: 1110
UROGENITAL SYSTEM: 25, 1004, 1632, 3239
UROGRAPHY: 73, 295, 695, 930, 2383, 3085, 3087, 3239, 3658, 4089
URONIC ACIDS: 1838, 2153-2154, 4330, 4584
URTICARIA: 344, 2918, 3736
USSR: 534, 2295, 3026, 3265, 3272, 4801
UTERINE DISEASES: 38, 1149, 1538, 1933, 2105, 2683, 2972
UTERINE HEMORRHAGE: 22, 216, 464, 1064, 1899, 2500, 2822, 3444, 3487
UTERINE INERTIA: 169
UTERINE NEOPLASMS: 22, 286, 333, 394, 505, 758, 797, 824, 883, 1032, 1226, 1353, 1933, 2156, 2184, 2218, 2420, 2499, 2699, 2776, 2993, 3046, 3172, 3818, 3857, 3907, 4210, 4216, 4511, 4570
UTERINE PROLAPSE: 1386
UTERUS: 9, 88, 193, 222, 224, 350, 352, 406, 460, 464, 551, 631, 633, 640, 697-698, 746, 750, 791, 805-807, 809, 817, 823, 829, 929, 959, 1008, 1025, 1027, 1043-1044, 1054, 1061, 1100, 1189, 1197, 1320, 1333, 1350, 1496, 1509, 1511, 1563, 1637, 1657, 1674, 1690, 1714, 1744, 1747, 1780, 1799, 1853, 1881, 1895, 1926, 1933, 1951, 1977-1978, 2105, 2128, 2152, 2177, 2190, 2237, 2310, 2323, 2389, 2413-2414, 2424, 2434, 2441, 2461, 2488, 2509, 2519, 2532, 2564, 2593, 2628, 2639, 2646, 2654, 2672, 2746, 2797, 2834, 2928, 3031, 3079, 3122, 3136, 3174, 3227, 3239, 3244, 3284, 3294, 3298, 3408, 3434, 3535, 3565, 3603, 3643-3644, 3646, 3650, 3689, 3740, 3902-3903, 3923, 3925, 3952, 3978, 3997, 4023-4024, 4060, 4097, 4135, 4147, 4230, 4249, 4263, 4275, 4295, 4364, 4374, 4456, 4497, 4575, 4607, 4638, 4741
UVEA: 3297
UVEITIS: 1552, 3007

V

VACCINATION: 906, 1030, 1535, 1868
VACCINE THERAPY: 2689, 2881, 4514
VACCINES: 2452, 2740
VACCINES, ATTENUATED: 3843
VACCINIA: 246
VAGINA: 13, 398-399, 551, 746, 829, 1276, 1538, 1640, 1895, 1957, 2059, 2171, 2639, 2672, 2834, 3031, 3078, 3159, 3182, 3244, 3408, 3505, 3535, 3675, 3699, 4028, 4094, 4285, 4389
VAGINAL DISEASES: 1670, 2827, 4389
VAGINAL NEOPLASMS: 883, 2156, 2405, 2993
VAGINAL SMEARS: 224, 333, 1013, 1020, 1054, 1320, 1378, 1644, 1780, 1831, 2184, 2282, 2386, 2420, 2687, 3505, 3896, 4208, 4349, 4802
VAGINITIS: 1386, 2972
VAGOTOMY: 1099, 3636, 3876, 4222
VAGUS NERVE: 646, 1519, 1828-1829, 2651, 2879, 3843, 3876, 4102
VALERATES: 2477, 3078
VALINE: 1374, 1445, 2393
VALINOMYCIN: 961, 3936, 4417, 4615
VANILMANDELIC ACID: 581, 1132, 1323
VARIATION (GENETICS): 135, 1818, 3124, 4054, 4627
VARICELLA-ZOSTER VIRUS: 3474
VARICOCELE: 1427, 2731, 3845-3846, 4081
VAS DEFERENS: 105, 924, 1009, 1736, 1775, 1874, 2293, 2652, 3774, 4039, 4081, 4086-4087, 4454, 4547
VASCULAR DISEASES: 73, 604, 701, 865, 2543, 2660, 2863, 3551, 3557, 4409
VASCULAR HEADACHE: 2493
VASCULAR RESISTANCE: 165, 886, 940, 1520, 1525, 2145, 2175, 2315, 2358-2359, 3055, 3288, 3550, 4018, 4497, 4517, 4725
VASECTOMY: 421, 643, 2010, 2202, 2293, 2338, 2505, 3315
VASOCONSTRICTOR AGENTS: 220, 1235, 2096, 2359, 2573, 3028, 3741, 4018, 4219, 4379
VASOCONSTRICTOR AGENTS, NASAL: 988, 4280
VASODILATOR AGENTS: 165, 220, 334, 434, 875, 2096, 2145, 2359, 2870, 2886, 3318, 4018, 4365
VASOMOTOR SYSTEM: 882, 1108, 1289, 1441, 4714
VASOPRESSIN: 15, 322, 387, 769, 821, 916, 969, 1008, 1022, 1071, 1101, 1131, 1239, 1342-1343, 1605, 1613, 1648, 1748, 2109, 2133, 2210, 2219, 2298, 2340, 2344, 2402, 2454, 2663, 2715, 2751, 2791, 2804, 2873, 2890, 3129, 3133, 3138, 3168, 3214, 3294, 3341-3342, 3345, 3410, 3524, 3872, 3963, 3986, 4195, 4213
VASOTOCIN: 1131, 1718, 3227, 3524, 3926
VATER'S AMPULLA: 3266
VECTORCARDIOGRAPHY: 67
VEGETABLES: 3406
VEGETARIANISM: 900
VEHICLES: 500, 950, 971, 1393, 3327, 3446, 3757, 4408
VEINS: 138, 224, 1017, 1236, 1253, 1300, 2093, 2137, 2152, 2310, 2673-2674, 3087, 3166, 3845, 3849-3850, 3865, 3880, 4011, 4038, 4081, 4189, 4451, 4509, 4513
VENA CAVA, INFERIOR: 73, 765, 1740, 2403, 2699, 3371, 3872, 4011
VENA CAVA, SUPERIOR: 4450
VENAE CAVAE: 3087
VENEREAL DISEASES: 1484, 3914
VENEZUELA: 38
VENOMS: 57, 371, 586, 801, 1767, 2513, 2591, 3235, 4138, 4407
VENOUS INSUFFICIENCY: 4691
VENOUS PRESSURE: 164-165, 3845, 4600
VENTILATION-PERFUSION RATIO: 2048, 4576
VENTRICULAR FIBRILLATION: 1590
VENTRICULOGRAPHY: 200, 377, 1107, 2267, 2319
VERATRINE: 1139, 2453
VERTEBRAL ARTERY: 3971
VERTEBRATE VIRUSES: 3304
VERTEBRATE VIRUSES, UNCLASSIFIED: 1833
VERTIGO: 4677
VESICO-URETERAL REFLUX: 1631, 2380, 3568
VESICULAR STOMATITIS VIRUS: 4010
VESTIBULAR FUNCTION TESTS: 2486, 4677
VETERINARY MEDICINE: 1230
VIBRATION: 360, 1468, 1727, 1876, 4123
VIBRIO: 812, 2655, 3858, 4678
VIBRIO COMMA: 812, 3858
VIETNAM: 3237
VINBLASTINE: 585, 1106, 1178, 1354, 1557, 2218, 2220, 3257, 3293, 4069, 4213, 4703, 4742
VINCA ALKALOIDS: 4703, 4762
VINCRISTINE: 104, 148, 392, 565, 901, 1010, 1106, 1178-1179, 1435, 1655, 2055, 2285, 2331, 2617, 2689, 2711, 3257, 3278, 3578, 3866, 3884, 4107, 4111, 4204, 4673, 4703, 4731
VIOLENCE: 1880
VIRAL INTERFERENCE: 3785
VIRAL VACCINES: 3843
VIRILISM: 539, 894, 1286, 2451, 2515, 3358, 4536
VIRULENCE: 1922, 2688, 3317
VIRUS CULTIVATION: 1112, 2232
VIRUS DISEASES: 641, 714, 1205, 1369, 2289, 2531, 3304, 4498, 4521
VIRUS INHIBITORS: 906, 3785
VIRUS REPLICATION: 1369, 1802, 1927, 2419, 3304, 3785, 3811, 4241
VIRUSES: 79, 2458
VISCEROPTOSIS: 2700
VISCOSITY: 351, 958, 1845, 3219, 4763
VISION: 353
VISION DISORDERS: 200, 970, 1850, 3218, 3373, 3441
VISUAL ACUITY: 477, 708-709, 957, 2771, 3373, 4233
VISUAL CORTEX: 1798, 2328, 2465, 3720, 3954
VISUAL FIELDS: 2771, 3373, 4372, 4507
VISUAL PATHWAYS: 953, 4070
VISUAL PERCEPTION: 2098, 2192, 2327, 4070
VITAL CAPACITY: 1031, 4387
VITAMIN A: 1075, 1164, 1437, 1628, 1751, 1833, 1916, 2809, 3352, 3406, 3459, 3754, 3979, 4053, 4444, 4625
VITAMIN A DEFICIENCY: 236, 512, 1437, 1776, 3226, 3979, 4477
VITAMIN B 12: 561, 1878, 2083, 3459
VITAMIN B 12 DEFICIENCY: 3899
VITAMIN D: 112, 126, 272, 303, 396, 404, 414, 519, 522, 687, 900, 989, 1075, 1129, 1377, 1636, 1650, 1703, 1755, 1913, 1916, 2142, 2200, 2322, 2348, 2423, 3329, 3754, 3806, 3939, 3964-3965, 4042, 4053, 4284, 4587, 4618, 4625, 4695, 4772, 4795, 4806
VITAMIN D DEFICIENCY: 212, 522, 644, 897, 1118, 1683, 1703, 2841, 3964, 4043, 4103, 4356, 4465, 4668, 4775, 4795
VITAMIN E: 935, 1428, 1916, 3764, 4467
VITAMIN E DEFICIENCY: 4147
VITAMIN K: 1190, 4138, 4142, 4238
VITAMIN K DEFICIENCY: 4138
VITAMINS: 1339, 2527, 2740, 3459
VITELLINE MEMBRANE: 3346

VITILIGO: 1382
VITREOUS BODY: 1864, 2005-2006
VOCAL CORD PARALYSIS: 2491, 2879, 3482, 4045
VOCALIZATION, ANIMAL: 61, 372, 909
VOICE: 2999
VOLKMANN'S CONTRACTURE: 994
VOMITING: 123, 399, 1044, 1064, 1148, 1207, 1881, 3255, 3262, 3619, 3650, 4275
VON WILLEBRAND'S DISEASE: 435, 3308, 3428
VULVA: 2059, 3914
VULVAR NEOPLASMS: 883, 2156, 2218, 2405, 3013

W

WAKEFULNESS: 214, 909, 1612-1613, 1928, 3337, 3600, 4076
WALES: 3520, 4401
WAR: 4486
WARFARIN: 414, 4138, 4238, 4445
WATER: 41, 76, 202, 254, 352, 366, 511, 667, 697, 728, 969, 971, 1025, 1047, 1055, 1131, 1934, 2174, 2344, 2399, 2890-2891, 3125, 3133, 3168, 3292, 3687, 3731, 4141, 4213, 4532, 4664
WATER DEPRIVATION: 1239, 2890, 3125, 4491-4492, 4642
WATER-ELECTROLYTE BALANCE: 55, 166, 174, 308, 325, 365, 511, 585, 596, 747, 770, 919, 1051, 1055, 1144, 1191, 1239, 1334, 1491, 1545, 1613, 1676, 1715, 1748, 2048, 2087, 2257, 2317, 2402, 2440, 2486, 2531, 2620, 2665, 2804, 3114, 3138, 3496, 3655, 3891, 4195, 4616
WATER INTOXICATION: 4299
WATER MICROBIOLOGY: 1414
WATER POLLUTION, CHEMICAL: 4438
WATER POLLUTION, RADIOACTIVE: 2295
WATER SUPPLY: 1414, 1490, 2295
WATERHOUSE-FRIDERICHSEN SYNDROME: 240, 1975, 2995
WEANING: 523, 1909, 2255, 2619, 2744, 2934, 3316, 3634, 3680, 3871
WEATHER: 3447
WEGENER'S GRANULOMATOSIS: 1870
WEIGHTLESSNESS: 2486
WERNER'S SYNDROME: 1134, 3458, 4148
WHEAT: 303, 3406
WHOLE BODY COUNTERS: 366, 1752, 1756, 2172
WING: 906, 3515
WISCONSIN: 3754, 4053
WOLFFIAN DUCT: 3433
WOOD: 248
WORK OF BREATHING: 951, 4576
WORLD HEALTH ORGANIZATION: 4806
WOUND HEALING: 679, 1196, 1260, 1560, 1864, 2095, 3010, 4471
WOUND INFECTION: 2929, 4429
WOUNDS AND INJURIES: 994, 2291, 2493, 4359, 4619, 4691
WRIST: 518, 4342, 4617
WRIST INJURIES: 4342
WRIST JOINT: 1429

X

XANTHENES: 668, 4713
XANTHINES: 382, 1015, 1471, 1556, 2858, 3702
XENON: 693, 1353, 1520, 3825
XENOPUS: 451, 472, 475, 1158, 2760, 2856, 4232
XERORADIOGRAPHY: 2658
X-RAY DIFFRACTION: 680, 704, 983, 1047, 2460, 3344, 3378, 4424
XYLENE: 3653
XYLITOL: 1528, 2858
XYLOSE: 2144, 3440, 4267

Y

YEAST, DRIED: 3992
YEASTS: 2868
YELLOW FEVER: 1030
YOHIMBINE: 1023
YOMESAN: 3154
YUGOSLAVIA: 4092

Z

ZAMBIA: 675
ZINC: 393, 421, 780, 890, 1627, 1770, 1796, 1841, 2806, 2816, 3156, 3247, 3263, 3311, 3355, 3695, 3763, 3780, 3868, 4545, 4592
ZINC ISOTOPES: 2567
ZOLLINGER-ELLISON SYNDROME: 1824, 1863
ZOONOSES: 153
ZOXAZOLAMINE: 81
ZYMOSAN: 4604, 4742

AUTHOR INDEX

A

AAKVAAG A: 1943, 4133
AARSKOG D: 1176
AAS M: 1113
ABAKUMOV EM: 1105
ABAZA HH: 1151
ABBOUD I: 1
ABDEL AZIZ MT: 2
ABDEL-KADER MM: 2
ABE F: 2697
ABE K: 3, 2831
ABE M: 2961-2963
ABE Y: 4, 4665
ABEL M: 5, 3978
ABELL E: 6
ABELL MR: 2658
ABERG B: 7
ABIKO H: 3147
ABRAHAM F: 8
ABRAHAMSSON L: 9
ABRAMCZYK J: 4380
ABRAMOVICH DR: 10
ABRAMOVICI I: 11
ABRAMS GM: 12
ABRAMS RM: 13
ABRAMSON AL: 3604
ABU-DALU L: 14
ABUL-FADLE W: 3998
ACANFORA F: 3504
ACHER A: 15
ACHTELIK W: 16-17
ACKERMAN BD: 2650
ACKERMAN HR JR: 2789
ACKLAND N: 1809
ACOSTA AA: 18
ACS Z: 19
ADACHI K: 20
ADACHI T: 1738
ADACHI Y: 1264
ADADEVOH BK: 21
ADAM GS: 22
ADAMIAN AA: 4436
ADAMS PH: 23
ADAMS PM: 214
ADCOCK EW 3D: 24
ADDO N: 595
ADEBONOJO FO: 25
ADEDUGBE AA: 26
ADELMAN RC: 27
ADENIS L: 563
ADESSI G: 28
ADHYA S: 2967
ADLARD BP: 911, 3972
ADLER NT: 1020
ADLERCREUTZ H: 29-30, 4256
ADLKOFER F: 31-32, 2483, 4534
ADRICH S: 33
AEBERT K: 34
AERTGEERTS J: 35
AFIEFY MM: 3996
AFINOGENOVA SA: 36
AFONINA LI: 3185
AFSCHAR A: 4339
AGARWAL RA: 37
AGHAJANIAN G: 1848
AGOZZINO S: 3171
AGUERO O: 38
AHLERS I: 39
AHLERSOVA E: 39
AHLSKOG JE: 40
AHN C: 1031
AHNEFELD FW: 4592
AHRENS EH JR: 3006
AHRENS J: 3193
AHTEE L: 41-42
AICARDI J: 43
AIDINIAN RA: 4419
AIRAKSINEN M: 598
AITCHISON J: 44
AITKEN JM: 45
AIZAWA Y: 2265
AJACQUES JC: 1495
AJNENKIEL M: 4077
AJZEN H: 684
AKHTAR M: 46, 2760
AKIKUSA K: 3827
AKIMOTO K: 4196
AKINYANJU PA: 2260
AKISKAL HS: 47
AKIYAMA S: 2976-2977
AKSOY M: 48
ALABASTER VA: 49
ALAGHBAND-ZADEH J: 50
ALARCON-SEGOVIA D: 109
ALBANESE MC: 567-569
ALBANO JD: 51
ALBIN J: 52
ALBORES SAAVEDRA J: 53
ALBRECHT G: 3078
ALBRO PW: 54
ALBU S: 55
ALCANTARA VAZQUEZ: 53
A: 53
ALCOCK NW: 56
ALDERFER GR: 4340
ALEKSEEV EA: 2640
ALEXANDER JW: 1145
ALEXANDER SJ: 4148
ALFANO JA: 57
ALIBRANDO S: 567-569
ALICICCO E: 58
ALIEV DM: 1272
ALIPOV VI: 2165
ALIVISATOS SG: 4335
ALKEN CE: 59
ALLEGRA V: 567-569
ALLEN CF: 318
ALLEN GR JR: 3328
ALLEN JC: 3784
ALLEN JD: 1633
ALLEN JP: 60
ALLEN PT: 1369
ALLEYNE GA: 3559
ALLIN JT: 61
ALLISON JE: 677
ALMEIDA JF DE: 62
ALMGREN O: 63
ALOIA JF: 64
ALONSO A: 65
ALPER R: 1429
ALPERN J: 1382
ALPERT JS: 66
ALSAC J: 67
ALSAT E: 68
ALTENAHR E: 69
ALTERESCU R: 168
ALTMAN K: 52
ALTSCHULE MD: 4359
ALTSCHULER N: 186
ALTUKHOVA VI: 3952
ALTWEIN JE: 3128
ALVAREZ FS: 3368
ALVAREZ BRAVO A: 70
ALVAREZ-BUYLLA R: 887
ALVESALO L: 71
AMARAL L: 4538
AMARANATH L: 76
AMBADY SK: 3406
AMBROSI B: 1101, 1103, 3004-3005
AMI K: 3699
AMIEL JL: 2689
AMIN F: 2790
AMINOFF MJ: 4563
AMLA I: 72
AMOE HE JR: 73
AMOR B: 453
AMOSS M: 1497
AMPRINO R: 74, 2292
ANAGNOSTE B: 1400
ANAI M: 75
ANANICH NA: 374
ANANOS A: 32
ANAST CS: 673
ANDERS MW: 996
ANDERSEN AC: 1907
ANDERSEN NB: 76
ANDERSON CB: 3009
ANDERSON D: 4518
ANDERSON EG: 77
ANDERSON J: 78
ANDERSON JM: 79
ANDERSON JN: 80
ANDERSON KM: 764
ANDERSON MG: 3451
ANDERSON NV: 1466
ANDERSSON H: 81
ANDERSSON LC: 82
ANDERSSON P: 83
ANDERSSON PG: 84
ANDERSSON R: 85-86
ANDERSSON RG: 87
ANDOR I: 3608
ANDRADE U: 684
ANDRADE-VARGAS A: 754
ANDRASSY K: 4299
ANDRE J: 88
ANDREANI D: 89, 314
ANDREATTA RH: 90
ANDREEFF M: 420
ANDREEV D: 91
ANDREIS PG: 124
ANDRESEN O: 92
ANDREW FD: 93
ANDREWS AD: 94
ANDREWS FM: 95
ANDREWS RV: 1208
ANDRIEU JM: 629
ANDRON LA 2D: 96
ANDRSSON P: 97
ANGEL CR: 3027
ANGELESCU E: 98
ANGELETTI PU: 776
ANGELI A: 99
ANGELI I: 4160
ANGER HO: 4672
ANGHILERI LJ: 100
ANIGSTEIN DM: 101
ANIGSTEIN L: 101
ANIKIN VV: 102
ANNUNZIATO L: 103
ANSARI BM: 104
ANSTISS CL: 1165
ANTHONIOZ P: 105
ANTHONY D: 106
ANTHONY J: 2891
ANTONACCIO MJ: 107
ANTONELLO A: 108
ANTONENKO AV: 4362
ANTONIO CETINA J: 109
ANTONIW JF: 710
ANTRAM S: 882
ANYA AO: 110
AOKI T: 111, 4001
APONTE CJ: 112
APPALANARASAIAH K: 113
APPEL SH: 3573
APPENZELLER J: 4516
APPLEBY EC: 3758
APPS MC: 114
APRIHANEANU D: 1666
ARAI K: 115
ARAI Y: 116
ARANDELOVIC B: 1996
ARANDIA HY: 944
ARANYI S: 1185
ARCADI JA: 117
ARCARI G: 2870
ARCHER JA: 1418
ARDABATSKAIA GA: 2599
AREF I: 118-120
ARENAS R: 4472
ARGENIO G: 58
ARIAS F: 121
ARIEFF AI: 1387
ARIMORI S: 122
ARIMOTO T: 4675
ARIMURA A: 774, 1402, 3717
ARISTOFF H: 2716
ARKIN R: 123
ARMATO U: 124
ARMBRECHT U: 31
ARMBRUSTER H: 258, 3062
ARMSTRONG DT: 1170-1171
ARMSTRONG MD: 125
ARMSTRONG WD: 2764-2765
ARNASON BG: 1672
ARNAUD CD: 126, 359
ARNAVIELHE-BONY M: 4360
ARNDT J: 127
ARNESJO B: 4319
ARNOLD L: 2302
ARNOLD PS: 128
ARNSTEIN EJ: 129
ARO S: 130
ARON E: 2312
ARORA RB: 1502
ARRATA WS: 4590
ARROYO GARCIA J: 2294
ARSTILA AU: 3862

ARTAMONOV VI: 131
ARTH GE: 3423
ARTZ W: 2317
ARVANITAKIS C: 132
ARZILLI F: 2610
ASAI T: 3696
ASAKO T: 133-134
ASAMA M: 2976
ASH KA: 3326
ASHBURNER M: 135
ASHCROFT GW: 136
ASHINO R: 3147
ASHLEY DJ: 137
ASHLEY FP: 3287
ASHWORTH JM: 2605
ASSEFF CF: 4507
ASSIS LM DE: 1804
ASSMUS H: 138
ASTRUC M: 139
ASUNI T: 21
ATACK C: 140
ATANASIU D: 141
ATGER M: 2797
ATHAR S: 3524
ATKINS: 142
ATKINS D: 4715
ATKINS FL: 143
ATKINS TW: 144
ATKINSON JP: 145
ATMADJA S: 1143
ATTADEMO AG: 3291
ATTALLAH A: 3363
ATTANASIO A: 146, 3399
ATTARDI BJ: 3121
ATTRAMADAL A: 1561
ATTREP KA: 147
ATTREP M JR: 147
AUBRY F: 2627
AUGULIS V: 2960
AUGUST CS: 24
AUR RJ: 148
AURBACH GD: 340-341, 1299
AUSSEL C: 4345
AUSTEN KF: 4104
AUSTERMANN R: 208
AUSTONI M: 149
AUTIO S: 3260
AVAGNINA P: 2847-2848
AVANESOVA EO: 150
AVENHAUS H: 2512
AVRACH W: 151
AVRUSKIN TW: 152
AVTALION RR: 153
AW SE: 154, 4193
AWAIS GM: 155
AXELROD J: 496, 681, 3620
AXELSSON S: 2107
AXEN U: 1455
AYACHI S: 1537
AYLWARD M: 156
AYOUB LA: 3996
AZADIAN-BAULANGER G: 3434
AZARNOFF DL: 2020
AZCARATE J: 3568
AZHAR S: 4032
AZHIPA IAI: 157
AZIZ MT: 120
AZIZ S: 2
AZIZ BIN HASSAN A: 311
AZIZI P: 229
AZUKIZAWA M: 2833

B

BABA S: 1252, 3148-3150, 3152, 3640-3641
BABCOCK JR: 1154
BABEJ M: 158
BABICKY A: 1656
BABLOK L: 2296
BABU KS: 159
BACALAO J: 3500
BACCANI A: 3053
BACCARANI M: 2331-2332
BACCHUS RA: 160
BACH C: 161
BACH GL: 162
BACH-LIEN NGUYEN: 3208
BACHER BE: 1249
BACHMANN GW: 2726
BACON LD: 3564
BACZYK K: 163
BADEA R: 1159
BADENOCH J: 1148
BADER L: 827
BADINAND A: 3514
BAE Y: 2977
BAEDEKER W: 164
BAEK L: 4389
BAELE G: 1040
BAER L: 514, 4386
BAER PG: 165, 1021
BAETHMANN A: 166
BAGCHI SP: 167
BAGDADE JD: 584
BAGDY D: 1445
BAGGIO B: 108
BAGLIN A: 168
BAGNARA GP: 2331
BAGRAMIAN ER: 169, 3185
BAGSHAW MA: 957, 1529
BAI RU: 170
BAIG MM: 171
BAIKIE AG: 172
BAILER J: 1608
BAILEY CJ: 142
BAILEY DW: 4144
BAILEY HR: 173
BAILEY RR: 174
BAILEY TB: 175
BAILLET F: 842
BAILLIE P: 176-177, 2882, 3731
BAILLY DU BOIS M: 178
BAIMURATOVA RKH: 1976
BAIRD B: 2929
BAIRD DT: 2540
BAJOREK J: 2191
BAJUSZ E: 2496
BAKAY B: 179
BAKER BL: 2536
BAKER PC: 180
BAKER RR: 181
BAKER TG: 182
BAKER WW: 2304
BAKHADYROV KB: 4307
BAKHITOV FIU: 183
BAKHLE YS: 49
BALAGURA S: 184
BALANESCU V: 1666
BALAS D: 185
BALATTI JJ: 186
BALCAVAGE WX: 187
BALDESSARINI RJ: 188, 1014
BALDET L: 1865
BALDET P: 189
BALDWIN RL: 3422
BALEMANS MG: 190
BALERIAUX-WAHA D: 191
BALIGA BS: 3323-3324
BALIZET L: 192
BALKISSOON B: 758
BALL P: 193
BALLABIO CB: 194
BALLAGLIA TC: 24
BALLANTYNE A: 195
BALLARD C: 746
BALLETSHOFER C: 3499
BALLS M: 2856
BALMAIN-OLIGO N: 196
BALOGH K: 885
BALSAN S: 3229
BALSLOV JT: 197
BANERJEE B: 3633
BANERJEE RC: 458
BANERJEE S: 198
BANERJEE SK: 1344, 2595
BANERJEE SP: 199
BANES D: 1447
BANIM SO: 1203
BANK S: 3054
BANKOVA VV: 2641
BANKS EM: 61
BANNA M: 200
BANZHAF M: 201
BAR-ZIV J: 3258
BARABAS EB: 1445
BARABINO A: 1817
BARAN DT: 202
BARBADORO S: 203
BARBARASH NA: 204, 2728
BARBEAU A: 205, 956, 2815
BARBETTA F: 4406
BARBOUR BH: 309
BARCELO AC: 2153
BARCIKOWSKI B: 2540
BARDADIN T: 206
BARDEN N: 207
BARDIA-DEU R: 4433
BARDIN CW: 362, 3677
BARENYI W: 208
BARFIELD RJ: 3623
BARFKNECHT CF: 209, 646
BARISO CD: 2558
BARLETTA D: 58, 2515
BARNES AB: 348
BARNES BO: 210
BARNES EW: 211, 4261
BARNES MJ: 212
BARNETT JE: 213
BARR W: 2954
BARRACLOUGH CA: 783, 2622
BARRATT ES: 214
BARRECA T: 1365
BARRETT RE: 1580
BARRIEUX A: 215
BARRIO E: 1085
BARRY A: 216
BARRY J: 217-218
BARSIC E: 4092
BARTELS DC: 489
BARTELS HJ: 219
BARTELS O: 220
BARTH L: 221
BARTHELMES H: 1598
BARTHOLOMEW K: 1954
BARTHWAL JP: 222
BARTKE A: 3645
BARTLETT F: 223
BARTOS D: 599
BARTTER FC: 3324
BARZILAI A: 224
BARZIN L: 3367
BARZU O: 2051
BASAVARAJU S: 72
BASLER RS: 225
BASS L: 1625
BASSANI B: 771
BASSE A: 3764
BASSETT JM: 2580
BASSIRI RM: 226
BASSO AG: 227
BASSO L: 228
BASTIN R: 229
BATAILLE JP: 2355
BATES PL: 375
BATES RW: 1392
BATH DW: 230
BATINICA S: 3207
BATTESTI JP: 4312
BATUMAN V: 231
BAUCH K: 232
BAUDET JG: 2109
BAUDOUIN-LEGROS M: 233
BAUER RB: 234, 4223
BAUER S: 235
BAUER SP: 2933
BAUFELD W: 2200
BAULIEU EE: 2347, 2797, 3517
BAULON A: 1199
BAUM JL: 236
BAUMANN RP: 237
BAUMBACH U: 849
BAUMGARTEN G: 964
BAUMGARTEN HG: 238-239, 1742, 1797
BAUMGARTEN S: 3555
BAUST P: 4567
BAVAUD C: 240
BAXTER JD: 1674-1675
BAXTER MG: 241
BAXTER RW: 813
BAYARD F: 2498
BAYLE JD: 422
BAYLIN SB: 242, 2124
BAYLINK D: 4051
BAYLINK DJ: 899
BAYLISS RI: 243
BAZANOVA MI: 267
BAZARBEKOVA RB: 4385
BAZELY P: 1150
BAZER FW: 13
BAZSO J: 3949

AUTHOR INDEX

BEACHLEY MC: 244
BEAMER N: 245
BEAN SF: 246
BEATHARD GA: 762
BEATO M: 247, 1974
BEATON JM: 209
BEATTY JO: 1207
BEATTY WW: 248
BEAUDOIN JG: 249
BEAUGRAND J: 250
BEAVEN MA: 143, 242
BECAREVIC A: 251
BECERRIL P: 1414
BECHAMPS GJ: 252
BECK JS: 3015, 3931
BECK KJ: 253
BECK LH: 254
BECK-PECCOZ P: 1101-1103, 3004-3005
BECKER B: 4507, 4729
BECKER CE: 605
BECKER DP: 3639
BECKER FO: 255
BECKER H: 256
BECKER HD: 257
BECKER KL: 3916-3917
BECKER N: 1706
BECKER V: 3728
BECKERHOFF R: 258-259, 3062, 4402-4403
BECKERS C: 260-261
BECQ-GIRAUDON B: 4117
BEDOLLA-TOVAR N: 754-755
BEDRAK E: 262-263
BEDUHN D: 3509
BEDWANI JR: 264
BEERENDS JJ: 489
BEERMAN H: 3864
BEERMANN W: 265
BEEVERS DG: 266
BEGUE RJ: 908
BEGUIN F: 4275
BEHRMAN HH: 2377
BEHRMAN HR: 4743
BEIERWALTES WH: 2092
BEINHAUEROVA D: 2237
BEISEL WR: 3431
BEKAURI NV: 267
BEKIROV M: 268
BELEKOVA RB: 1976
BELIAKOV NV: 269
BELIEL OM: 270
BELIKHOVA EL: 271
BELKA-GRZYBEK A: 16-17
BELL ET: 439
BELL HM: 4151
BELL JG: 272
BELL NH: 273
BELL RA: 411
BELL RL: 274
BELL WE: 275
BELL WR: 276, 2827
BELLABARBA D: 1307
BELLEVILLE F: 1582
BELLEVILLE J: 277
BELLI I: 278
BELLMANN O: 279
BELLOWS RA: 3413
BELLWINKEL S: 2814
BELZ GG: 280
BELZER FO: 281, 3658
BEMRICK WJ: 3103
BEN-ADERETH N: 3347
BEN-ARI J: 303
BEN-DAVID M: 669
BEN-JONATHAN N: 282
BENAGIANO G: 283
BENARD B: 1307
BENEKEN JE: 2854
BENES P: 284, 3077
BENEZIS C: 285
BENICHOU C: 2422
BENIRSCHKE K: 2060-2061
BENISCH BM: 286
BENJAFIELD JG: 287
BENJAMIN DR: 288
BENJAMIN F: 1226
BENNER R: 2044
BENNETT A: 289
BENNETT CM: 290
BENNETT D: 4025
BENNETT HP: 3799-3800
BENNETT JC: 1669
BENNETT JE: 291
BENNETT JL: 668
BENNETT LL: 818
BENNETT V: 292
BENSON JA: 3520
BENSOUSSAN D: 3209
BENVENISTE R: 3753
BENVENISTE RE: 2419
BERARIU T: 55
BERATIS NG: 293
BERCEANU A: 840
BERG A: 294
BERG RA: 1648
BERGEL'SON LD: 548
BERGEN WG: 1833
BERGENSTAL DM: 1660
BERGER G: 2319
BERGER H: 4567
BERGER M: 295, 1885
BERGER RL: 296
BERGERSON B: 8
BERGHEIM P: 297
BERGMANN KH: 964
BERK SL: 298
BERKOWITZ B: 4019
BERKOWITZ BA: 299
BERLE P: 300-301
BERLINER DL: 302
BERLIZOVA LS: 2120
BERLYNE GM: 303
BERMAN W: 304
BERMUDEZ JA: 2362
BERN HA: 690, 720, 919
BERNADOU A: 4730
BERNADY KF: 305
BERNAL CARRASCO J: 3664
BERNARD J: 842, 2330
BERNARD L: 306
BERNARD PJ: 3929
BERNARD R: 1367
BERNARDI P: 307-308
BERNE RM: 388
BERNE TV: 309
BERNHEIM R: 1283
BERNIER J: 2702
BERNSTEIN DS: 4103
BERRIDGE MJ: 310
BERRY M: 1172
BERRY PY: 311
BERSOHN I: 1908
BERSON G: 312
BERSON SA: 89, 313-314
BERSWORDT-WALLRABE R VO: 315, 1042
BERTACCINI G: 316
BERTAGNA X: 757
BERTHAUX P: 880
BERTHAUX R: 317
BERTHEZENE F: 318
BERTORELLO G: 3487
BERTRAND J: 319
BERV K: 1014
BESA EC: 320, 1431, 1532
BESCH PK: 18
BESKID M: 321
BESLEY GT: 322
BESSER GM: 1022, 1544, 2653
BESSUDO D: 1414
BEST EB: 1017
BEST PV: 323
BETHUNE JE: 467
BETTCHER K: 3918
BETTENDORF G: 825, 1444, 2369
BETTS PR: 324
BETZ G: 970
BETZ TW: 1389, 1581
BEUF JP: 1495
BEUG H: 3501
BEVILACQUA RG: 325
BEWLEY TA: 1371
BEYER H: 3811
BEYER J: 326-327
BEYREIBB K: 328
BEYS-L'HOEST B: 329
BHANA D: 330, 2001
BHANUMATHI O: 113
BHARGAVA KP: 222, 331
BHAT NG: 3417
BHATNAGAR RS: 3763
BHATT GR: 838
BHOOLA KD: 332
BIALY G: 791
BIANUCCI G: 3064
BIAS WB: 4221
BIBBO M: 333
BIBER B: 334
BIBILASHVILI RSH: 335
BICKERT P: 747
BIDLINGMAIER F: 2127
BIDLO G: 4395
BIEBUYCK JF: 336
BIECK PR: 337
BIELANSKI A: 338
BIERICH JR: 146, 339, 3762, 4422
BIERWAGEN ME: 791
BIGLIERI EG: 2033, 4089
BIGNALL KE: 423-424
BILEZIKIAN JP: 340-341, 1299
BILLARD D: 2775
BILLER HF: 3725
BILSKI-PASQUIER G: 4730
BINDEBALLE W: 3728
BINDON BM: 342
BINET E: 1904
BINKIEWICZ B: 343
BINSWANGER U: 1162
BIRAN S: 344
BIRCHALL K: 3849
BIRD CE: 685
BIRK J: 1725, 3282, 3585
BIRKHIMER ML: 3867
BIRMINGHAM MK: 345-346
BIRMINGHAM ML: 346
BIRNHOLZ JC: 347-348
BIRON A: 349
BISBOCCI D: 99
BISCARDI AM: 2975
BISCHEL MD: 309
BISCHOF P: 350
BISCHOFF K: 170
BISCOGLIO MJ: 3679
BISEL HF: 4188
BISHOP WH: 351
BISSCHOP G DE: 994
BISWAS S: 352
BITENSKY MW: 353, 2228
BITTMAN E: 3016
BJARNASON DM: 4148
BJERRE B: 354
BJORKHEM I: 355-356
BJORKLUND A: 354
BJORVATN B: 357
BLACK AL: 3453
BLACK HE: 358-359
BLACK J: 360
BLACK JT: 361
BLACKBURN IM: 136
BLACKBURN WR: 362
BLACKSHAW AW: 363
BLACKWELL R: 1497
BLAHOS J: 364
BLAIM A: 365
BLAIR BC: 579
BLAKE CA: 3048
BLAKE KC: 366
BLAKE M: 4741
BLAKELEY AG: 367
BLAKEMORE WF: 1925
BLAKEMORE WS: 115
BLANC MR: 986
BLANCHARD J: 4125
BLANCO I: 368
BLANCO M: 368
BLAND JH: 369
BLAND KP: 370
BLANK ML: 371
BLANK S: 3991
BLANQUER OLIVAS R: 2490
BLASCO L: 4621
BLASIG J: 372
BLAT C: 373
BLATRIX C: 4238
BLEASEL KF: 827
BLEDSOE T: 4532
BLEHA O: 1698, 2631-2633
BLEICHER J: 3682
BLEICHER JE: 3682
BLEIER LP: 4504
BLINOV VA: 374
BLISS DK: 375

AUTHOR INDEX

BLIZARD D: 376
BLOC G: 1120
BLOCH R: 2754
BLOCH S: 800, 850
BLOCK AJ: 4641
BLOCK MA: 377
BLOCK P JR: 1942
BLOCK RE: 2075
BLOCKEY MA: 813
BLOM AK: 1762
BLOOM FE: 1707
BLOOM HJ: 378
BLOOM I: 977
BLOOM SE: 4131
BLOQUEL J: 3526
BLUM J: 379
BLUM JW: 1162
BLUM K: 380
BLUMBERG NA: 381
BLUMENTHAL A: 3571
BLUMSTEIN CG: 382
BLUNCK W: 383, 4578
BLUNDELL JE: 384-385, 1644
BOBICHON AM: 379
BOBILLIER P: 1928
BOBKOV AI: 1401
BOBROW M: 386
BOCCUZZI G: 99
BOCKAERT J: 387
BOCKEL K: 1765
BOCKMAN EL: 388
BOCKNIK SE: 2261
BOCKOVA H: 3790
BOCZKOWSKI K: 343, 389-391
BODEY GP: 392, 1655, 4333
BODI S: 1408
BODLAK J: 4439
BOELKINS JN: 828, 2909
BOER J DE: 393
BOGA M: 1408
BOGNER U: 4534
BOHLE E: 326
BOHM T: 2868
BOIVIN Y: 394
BOIX N: 373
BOLCH OH JR: 395
BOLE GG: 4528
BOLEN JW: 396
BOLINCHES BOLINCHES R: 1452
BOLIO ARISTA R: 3607
BOLLAERT A: 1886
BOLLING DR: 1769
BOLLINGER SF: 397
BOLOGNESE RJ: 398-399, 750
BOL'SHAKOVA TD: 2279
BOLTE E: 3988
BOLTE HD: 2512
BOLTON AE: 1791
BOLZE H: 3905
BOMBECK CT: 3628
BOMMER J: 400-401, 4299
BOMPIANI A: 2855, 3191
BOND J: 402
BONDY PK: 3354
BONEU B: 1100
BONFILS S: 403
BONGIORNO M: 3687
BONJOUR JP: 404
BONNAR J: 405
BONNE C: 406
BONNEY WA: 3013
BOOK JA: 3678
BOONE RF: 2747
BOOTH JC: 407
BOOTH M: 3975
BOOTS LR: 1404
BOPP R: 1709
BORDEIANU A: 3016, 3925
BORDEN S 4TH: 408
BORDIER P: 3622, 4618
BORELLI S: 409
BORETSKAIA IS: 410
BORG TK: 411
BORGAONKAR DS: 1769
BORGEAT P: 2285
BORGSTROM B: 1078
BORIAK PM: 412
BORIS A: 1509
BORISOV BK: 413
BORLAND R: 2484
BORLE AB: 414
BORNSTEIN P: 4432
BOROWITZ JL: 415
BORSATTI A: 108, 4260
BORSKI AA: 175
BORUCHOWSKY S: 1835
BOSC MJ: 416
BOSCH N VAN DEN: 978
BOSCHERINI B: 4716
BOSIO BB JR: 417
BOSSI E: 418-419
BOSTON RW: 2500
BOSZE P: 2263
BOTALLA L: 2464
BOTAU C: 1159
BOTHMANN G: 420
BOTTAZZO GF: 149
BOTTERMANN P: 4015
BOTTGER P: 421
BOUCHER J: 1927
BOUCHER R: 1290-1291, 1740
BOUDREAULT A: 1927
BOUHUYS A: 3127
BOUILLE C: 422
BOUILLON D: 4345
BOUISSOU H: 2383
BOULANT JA: 423-424
BOULLIN DJ: 425
BOULOS BM: 2020
BOULTON AA: 1002, 4633
BOUREL M: 3231
BOURGEAU D: 3432
BOURGEOIS JM: 457
BOURGEOIS M: 426
BOURGOIN S: 1555
BOURNE AR: 427
BOURNE EJ: 428
BOURNE HR: 429, 843, 2418
BOUSQUET B: 975
BOUSSER J: 851, 4730
BOUSSER MG: 430-432
BOUTON MM: 3434
BOUVIER CA: 1266
BOUVIER LF: 433
BOWEN D: 93
BOWER BD: 1887
BOWER JD: 2535
BOWERS CY: 3977
BOWERS J: 953
BOWERY B: 434
BOWIE EJ: 435
BOWMAN RE: 2204, 2772
BOYD A: 2807
BOYD AE 3D: 1715
BOYD CM: 3075
BOYD H: 436
BOYD JE: 954
BOYD M: 2884
BOYER AC: 3348
BOYER SH: 437
BOYKIN ME: 438
BOYNS AR: 439, 712, 848, 1480
BOZZA AT: 440
BOZZI M: 2515
BRAAKSMA J: 463
BRACEGIRDLE JR: 3262
BRACHET J: 475
BRACKERTZ D: 441
BRACKETT BG: 2808
BRADIC I: 3207
BRADLEY PB: 442
BRADLEY RJ: 209
BRADLOW HL: 4740
BRADSHAW CM: 443-444
BRADSHAW RA: 1233, 2034
BRAENDLE W: 445, 4506
BRAIT K: 446
BRAIT KA: 361
BRAMAN SS: 447
BRAMLEY PS: 1747
BRAMSON PH: 2578
BRANA H: 448
BRANCH RA: 449
BRAND A: 4234
BRANDENBURG JH: 450
BRANDT BL: 451
BRANT-ZAWADZKI M: 3576
BRATLIE O: 452
BRAUDE AI: 1150
BRAUN S: 453
BRAUN W: 454
BRAUNSBERG H: 2742
BRAUNWALD E: 455
BRAVERMAN B: 1433
BRAVO EL: 456
BRAVO VELOSO L: 457
BRAZEAU P: 458, 3513
BRECHER AS: 3926
BRECKENRIDGE A: 459
BRECKWOLDT M: 445, 460, 825, 2369
BREDDIN K: 3723
BREESE GR: 735
BREITMAIER G: 4422
BREMA F: 3578
BREMNER WF: 461
BRENES J: 4668
BRENNAN BL: 859
BRENNAN JK: 462
BRENNER WE: 463-464
BRESSOT N: 139
BRESTAK M: 1115-1116
BRET P: 2319
BREUER H: 465, 558, 2022, 3038, 3416, 3543
BREWER JM: 3067
BRICAIRE H: 466, 4101
BRICKMAN AS: 467
BRICTEUX N: 1178
BRIDGES JW: 532
BRIDGES TE: 468-469
BRIEL G: 3135
BRIGGS DM: 470
BRIGGS MH: 1294
BRIHAYE J: 191
BRINGE AN: 3111
BRINLEY FJ JR: 471
BRINSON A: 4130
BRISMAR T: 472
BRITO E: 3383
BRITO DI MIGUELI HB: 2430
BRITT JH: 473
BRIZIARELLI G: 474
BROCH E: 475
BROCHU P: 394
BROCKERHOFF P: 2761
BRODISH A: 2528
BRODKORB K: 2726
BRODOWS RG: 476
BRODRICK JD: 477
BRODY JI: 478
BRONDER B: 2477
BRONNER A: 479
BRONSON FH: 3269
BROOKEMAN VA: 480-481
BROOKLER MI: 482
BROOKS B: 2916, 4601
BROOKS CJ: 2784
BROOKS D: 2060
BROOKS JR: 483
BROOKS R: 4407
BROOKS SC: 484
BROOKS WF JR: 485
BROSNAN ME: 3948
BROSSMER R: 1680, 2761
BROSTROM CO: 4469
BROSTROM MA: 4469
BROTTES H: 3950
BROULIK PD: 486
BROUSSY J: 185
BROWN AM: 2571
BROWN BL: 51
BROWN BR JR: 487
BROWN GM: 506
BROWN HM: 488
BROWN JD: 489
BROWN JH: 490
BROWN JK: 1515
BROWN KA: 491
BROWN MR: 492
BROWN PS: 665
BROWN RJ: 493
BROWN TH: 4048
BROWN TS: 494
BROWN WH: 4109
BROWN WW: 495
BROWNE I: 854
BROWNIE AC: 57
BROWNSEY BG: 848
BROWNSTEIN M: 496, 3620
BRUBAKER RL: 2909
BRUCE-ROBERTSON A: 1889

AUTHOR INDEX

BRUCHOVSKY N: 497
BRUDIEUX R: 1442
BRUN C: 197
BRUN D: 1307
BRUN G: 426
BRUN J: 498
BRUNCLIK V: 499
BRUNELLE P: 3051
BRUNI G: 500, 3487
BRUNNER E: 208
BRUNNER H: 501
BRUNNER HR: 514-515, 4386
BRUS R: 502-503
BRUSCHWEILER W: 504
BRUSH JS: 3856
BRUSH MG: 505, 4216
BRUSZEWSKI J: 4149
BRYANT H: 8
BUBENIK GA: 506
BUCHAN RC: 507
BUCHANAN KD: 508
BUCHER B: 2143
BUCHSBAUM HJ: 802
BUCHWALD JS: 491
BUCKINGHAM JC: 509
BUCKLER JM: 510
BUCKLEY CE 3D: 1548
BUCKMAN MT: 511
BUCKMASTER JM: 619, 813, 1383, 3649
BUCOVAZ ET: 2884
BUDD G: 512, 1776
BUDTZ-OLSEN OE: 4470
BUEDING E: 668
BUENO EJ: 1474
BUFFLER G: 513
BUGNON C: 1007
BUGROVA LE: 1976
BUHLER FR: 514-515, 4386
BUIANOVA ON: 204
BUKENYA Y: 566
BUKHMAN AI: 516, 2215, 4410
BUKOVSKY J: 590
BULBROOK RD: 4476
BULL J: 517
BULL MJ: 1110
BULL U: 518
BULLOCK L: 362
BU'LOCK JD: 519
BUNCE I: 4546
BUNCH TW: 520
BUNN EL: 3408
BUNTE H: 3795
BURAKOVA NS: 521
BURCKHALTER JH: 884
BURCKHARDT P: 522
BURDEN DJ: 523
BURDEN HW: 524
BURDEN M: 525
BURGER AJ: 4369
BURGER H: 1215
BURGER HG: 3214, 3649
BURGHARD R: 1239
BURGHER LW: 526
BURGOS MH: 3816
BURGUS R: 1497, 3513
BURKE CW: 459, 527-529
BURKE G: 530-531, 2213, 4699
BURKE MD: 532
BURKE WJ: 827
BURKI K: 533
BURMISTROVA NN: 534
BURN JI: 3086
BURNETT D: 535
BURNS JK: 536
BURNS RH: 1391
BURNS TW: 537
BUROV IUV: 538
BURR IM: 539
BURSTEIN AH: 540
BURSTYN PG: 1747
BURTIS CA: 4254
BURWELL RG: 541
BUSCH RD: 483
BUSCH S: 853
BUSCH W: 542, 946
BUSS WC: 543
BUSTIN M: 1777
BUTCHER FR: 4266
BUTCHER RW: 575
BUTCULESCU I: 1342-1343
BUTENANDT O: 4014
BUTKUS DE: 3339
BUTLER C 2ND: 2579
BUTLER J DE: 1382
BUTLER LJ: 554
BUTLER VP JR: 1298, 3597
BUTLER WR: 4509
BUTLER WT: 544-545, 1655
BUTT WR: 546
BUTTNER S: 2231
BUTTNER W: 232
BUTTRAM VC JR: 18
BUTZLER HO: 547
BUZNIKOV GA: 548
BYAR DP: 1792
BYERS JM 3D: 181
BYGDEMAN M: 4275

C

CABALLERO J: 4112
CABLE M: 1560
CACCIOLA E: 549
CADE I: 550
CADETE-LEITE A: 551
CADIOU M: 4731
CAEN J: 3209
CAHILL GF JR: 3157
CAIN JP: 552
CAIZZI R: 3180
CALCAGNOTTO AM: 4412
CALDERON D: 553
CALDWELL BV: 2323, 4743-4744
CALHOUN W: 380
CALI A: 3487
CALLAHAN WA: 868
CALLIS A: 4360
CALMETTES C: 603
CALVERLEY MH: 554
CALVO W: 1514
CALZOLARI C: 2286
CAMERON EH: 555, 2717-2719
CAMERON HU: 556
CAMLI N: 48
CAMPBELL AK: 3904
CAMPBELL BA: 2533
CAMPBELL C: 2131
CAMPBELL D: 2118
CAMPBELL JR: 557
CAMPBELL M: 558-559
CAMPBELL MM: 4424
CAMPBELL RG: 476
CAMPOLONGO JT: 2566
CAMUS JP: 2422
CANALES ES: 3295, 4717-4718
CANALI L: 4702
CANCEDDA F: 2034
CANH VH: 3196
CANIGGIA A: 560
CANIVET J: 3209
CANLORBE P: 1904-1905
CANNELLA M: 561
CANOSA C: 3654
CAPEN CC: 358-359
CAPLAN M: 562
CAPPA F: 2855
CAPPELAERE P: 563
CAPRON F: 4396
CAPUTE AJ: 304
CAPUTI AP: 3636
CARAWAY CT: 2445
CARAWAY WT: 564
CARBONNIERE C DE: 4730
CARCHMAN RA: 3599
CARDINALI DP: 1797, 3131
CARDINALI G: 565
CARDO B: 607
CARDOT N: 1638, 2857
CARDOZO LJ: 566
CARDUCCI ARTENISIO A: 567-569
CARENZA L: 283
CARESANO A: 278
CAREY EM: 4105
CAREY RJ: 4491
CARIDE VJ: 570
CARIDIS D: 4619
CARLETTI B: 571
CARLI H: 2109
CARLIN R: 3412
CARLISLE HJ: 572-574
CARLON N: 4037
CARLSON GL: 3290
CARLSON JC: 2540
CARLSON LA: 575
CARLSSON A: 140, 576-577
CARLSTEDT-DUKE J: 578
CARMICHAEL SW: 579
CARMIGNANI MP: 580
CARNRIGHT DV: 2481
CAROL W: 1630
CARONE FA: 1154
CARPENTER BT: 535
CARPENTER CB: 4104
CARPENTER CC: 1491
CARR AA: 581
CARR K: 4146
CARR WL: 1054
CARREA G: 2513
CARRUBA M: 582
CARSON IW: 583
CARTER DC: 330, 2001
CARTIER P: 2378
CARTOUZOU G: 251
CARTY H: 4247
CARUSO A: 567
CARVAJAL HF: 295
CARVER FJ: 2733
CASANOVA R: 2332
CASARETT G: 4020
CASARETTO AA: 584
CASASOLA-GARCIA J: 755
CASE RM: 585
CASELLATO MM: 2513
CASEY FB: 586-587
CASEY TP: 588
CASH WD: 1104
CASPARY WF: 589
CASPER AG: 1491
CASPI E: 590-591
CASS A: 592
CASTAIGNE A: 1440
CASTANEDA E: 2411
CASTANEDA-PENA G: 754-755
CASTANIER M: 4240
CASTEDO C: 982
CASTELLANOS R: 593
CASTELLI PP: 474
CASTELLS S: 594-595
CASTIELLO RJ: 596
CASTLE CH: 597
CASTREN O: 598
CASTRO A: 599
CASTRO JE: 600
CASTRONOVO FP JR: 601
CATALANO RA: 2427-2429
CATER DB: 114
CATT KJ: 602, 2905
CATTABENI A: 2464
CATTAN A: 2689
CATTAN E: 603
CATZ B: 1119
CAUBRIA F: 604
CAVANIGLIA G: 3438
CAVANILLES J: 3028
CAVANNA A: 2847-2848
CAVLIERI RR: 605
CAWSON RA: 606
CAZALA P: 607
CAZALS Y: 607
CEBRIAN C: 3080
CECCHETTI G: 1945
CECETKOVA V: 3334
CECH M: 1222
CEDARD L: 68, 1807
CEGIELSKI M: 3682
CEHOVIC G: 608
CEI JM: 3565
CELERIER M: 987
CELINSKA W: 609
CENEDELLA RJ: 610
CENTI R: 4702
CERASI E: 1471
CERDAN A: 3664
CERF M: 604
CERI H: 4626
CERINI JC: 1383
CERINI ME: 611, 619, 1383
CERNELC M: 612
CERNELC P: 612
CERON ESQUIVEL A: 613

AUTHOR INDEX

CERRI O: 614
CERVANTES C 3200
CETORELLI JJ 3522
CHADDUCK WM: 615-616
CHAKAR SA: 2491
CHAKRABARTI AK: 2471
CHAKRABORTY J: 532, 1784
CHALLIS JR: 617
CHALMERS TM: 618
CHAMBERLAIN MJ: 1755-1756
CHAMLEY WA: 611, 619-620, 1383, 3649
CHAMNESS GC: 2559
CHAN KC: 154
CHAN L. 621
CHAN WC: 622
CHAN WF: 623
CHAN WS: 624
CHAN WY: 1008
CHANCE B: 1074
CHANDLER JA: 1469
CHANDOLA A: 625
CHANG CC: 1767
CHANG KJ: 626-627
CHANG MC: 2554, 4632
CHANG MM: 1139
CHANIN A: 628
CHANSOURIA JP: 3937-3938
CHANTER KV: 3575
CHAPAL J: 2497
CHAPLIN MF: 2041
CHAPMAN DI: 992
CHARBONNEL B: 466, 629
CHARD T: 1022, 3445
CHARLEMAGNE J: 1760
CHAROLLAIS E: 608
CHARRIER MF: 2903
CHASE MH: 696
CHASE TN: 630
CHASSOT PG: 249
CHATHARAKSRI U: 3923
CHATTERJEA JB: 856
CHATTERJEE A: 631
CHATTERJEE GC: 2595
CHATTERJEE S: 632
CHAUDHRY AP: 3847
CHAUDHRY SD: 4397
CHAUDHURI G: 633
CHAUDHURI SN: 2823
CHAUSSAIN JL: 634-635, 1904-1906
CHAUVEL Y: 636
CHAUVET J: 15
CHAUVET MT: 15
CHAVEZ ME: 3512
CHAVEZ ARTEAGA R: 613
CHAYEN J: 50, 836
CHAYKIN S: 4488
CHAYOTH R: 637
CHEAH JS: 638-639, 4225-4226, 4229
CHEAH SF 640
CHEBAT J: 641
CHEBATH J: 251
CHEBOTAREV VF: 4362
CHEDID L: 642
CHEIGH J: 859
CHEIGH JS: 858
CHELLIER K: 3275
CHELLOUL Y: 603
CHEMNITIUS KH: 691, 3079, 4097
CHEN L 4469
CHEN PC 643
CHEN SY 4475
CHEN TC: 644
CHEN TT: 645
CHENG HC 646
CHEPOVSKII VS 2596
CHEREMISINOV GA: 647
CHERNIAVSKAIA MA 648
CHERNIN VV 649
CHERNYSHOV VG: 650
CHESNOKOVA NB: 2005-2006
CHESNUT CH 3D 899
CHESTNUT SK 2692
CHEUNG SY 4525
CHEVALIER M 651
CHIANG TS 652
CHIARA G 2847 2848
CHIBON P 3590
CHICK WL: 653
CHICO AZANZA JL: 4414
CHIEFFI G 3426
CHIGOT PL: 2422
CHIHARA K: 2013
CHIKUDA F: 2211
CHILCOTE DD: 4254
CHILD C: 1954
CHILINGAROV AO: 654
CHIN C: 1902
CHINI V: 655
CHINN LJ: 656
CHIODINI PG: 2464
CHIORBOLI E: 657
CHIOSSONE E: 658
CHIRVASIE R: 3225
CHISHOLM GD: 2731
CHISTOVA LV: 659
CHIVU V: 840
CHLUD K: 660
CHO M: 4656
CHO T: 661, 3166, 4656
CHOJNACKI RE: 4340
CHOMICZEWSKI K: 662-663
CHOPRA IJ: 664
CHOU SC: 3411
CHOUDHURY SA: 665
CHOUGH SY: 666
CHOULIS NH: 667
CHOW TT 668
CHRAMBACH A: 669, 4644-4645
CHRETIEN M: 2454
CHRISTENSEN BE: 670
CHRISTENSEN DS: 3413
CHRISTENSEN KR: 3020
CHRISTIAN L: 3121
CHRISTIANSEN J: 671
CHRISTIE AA: 272
CHRISTIE DW: 439
CHRISTIE M 620
CHRISTOFF K: 971
CHRISTOL D: 229
CHRISTY B: 2075
CHRISTY NP: 672
CHRZASTEK-SPRUCH H: 4156
CHU LL: 673
CHU P: 4672
CHUDAPONGSE P: 674
CHUKE PO: 675
CHUNG A: 599
CHUNG EB 676
CHUNG KW: 362, 677
CHUTNA J: 678
CHVAPIL M: 679
CHWANG AK: 680
CHYTIL F: 4262
CIARANELLO RD: 681
CIHAK A: 682-683
CINTRON R: 3663
CIOCIRDIA C: 2794
CIONTESCU L: 1342-1343, 3016
CIPULLO JP: 684
CIRILLO VJ: 2252
CIRSTOIU I: 1340
CIUNTU L: 1342
CIZEK LJ: 3037
CLAGETT OT: 3761
CLAMAN HN 4542
CLARK AF: 685, 4371
CLARK F: 3932
CLARK JH: 80
CLARK OH: 686
CLARK WG: 2452
CLARKE EG: 687
CLARKE K: 428
CLARKE NG: 871
CLARKE PH: 688
CLARKE RM: 689
CLARKE RS: 583
CLARKE WC: 690
CLARKSON TW: 4438
CLAUDE A: 1248
CLAUSEN J: 4033
CLAUSSEN C: 691-692
CLAUSTRE J: 285
CLAVERO JA: 693
CLAYMAN S: 694
CLAYTON GW: 2087-2088
CLAYTON JD: 695
CLEGG EJ: 1788
CLEMENTE CD 696, 4642
CLEMETSON CA. 697
CLEVELAND PH: 3317
CLICK EM 4432
CLIFF WJ 3616
CLOEREN SE 698
CLOSSET J 699
CLOUET DH: 1917
CLOWINSKI J: 1662
CLYMAN M: 1744
COATES PW: 700
COBAU CD: 701
COBURN JW: 270, 467, 1387
COCCHI D: 2919
COCHRAN GV: 702
COCKETT AT: 227
CODACCIONI JL: 703
CODY V. 704
COE FL: 3377
COEZY E: 705
COFFEY DS: 4120
COFFEY RG: 706, 2481
COGGESHALL RE: 4648
COGGINS PB: 707
COHEN DC: 690
COHEN DN: 708
COHEN G: 1621
COHEN JS: 709
COHEN ME: 3566
COHEN MS: 1821
COHEN P: 710-711
COHEN PP: 1475
COHEN PT: 711
COHEN RB: 4421
COHEN SL: 4549
COHEN SN: 3614
COHN DV 673
COHN JE: 4021
COHN JN. 2431-2432
COLE EN: 712
COLE FE: 713
COLE P: 2569
COLEMAN DL: 1779
COLEMAN DV: 714
COLEMAN HN 3D: 736
COLEMAN M: 715
COLEMAN PL: 3317
COLIN C: 1481
COLLENOT A: 716
COLLET H: 4360
COLLIE DJ: 3786
COLLIER G: 2388
COLLINS E: 717
COLLINS P: 559, 2293
COLLINS PB: 4488
COLLINS TF: 718
COLLINS WP: 4696
COLLOMB H: 719
COLMAN RW: 4059
COLOMBIES P: 1485
COLOMBO L: 720
COLSTON KW: 2322
COLSTRON K: 1277
COLUCCI AV: 721
COMAS AP: 722
COMER TP: 4306
COMERTON A: 723
COMMICHAU R: 724
COMMISSIONG JW: 725
COMOLLI R: 726
COMSA J: 727
COMTY C: 2380
COMTY CM: 2381
CONDEMI JJ: 1470
CONEN PE: 1677, 4134
CONIGLIO JG: 1477
CONN HO: 728
CONN JW: 2126, 2536
CONNER GE: 2735
CONNEY AH: 729, 2959-2960
CONNORS MH: 2033
CONRADT A: 4334
CONSTABLE BJ: 212
CONSTANTES J: 2206
CONSTANTINIDOU H: 1591
CONSTANTOPOULOS A: 730, 2341
CONTE J: 731
CONTE N: 149
CONTI C: 1827
CONTRERAS E: 732
COOK DA: 733
COOK DM: 60
COOK IF: 3592

AUTHOR INDEX

COOK JA: 734
COOK MJ: 3055
COOK RA: 2360
COOKE BA: 3554
COOPER BR: 735
COOPER G 4TH: 736
COOPER JE: 737
COOPER KJ: 1610
COOTE JH: 738
COPLON N: 739
COQUET M: 3541
CORBIN A: 4343
CORBIN JD: 4469
CORCORAN JM: 740, 1011
CORCORAN ME: 741-742
CORDEIRO AC: 743
CORDES U: 326
CORDIER G: 744
COREA L: 745
CORINA DL: 213
CORLETT RC: 746
CORMAN JL: 3340
CORNELSEN M: 4579
CORNETTE C: 260-261
CORNU P: 747-748
CORPECHOT C: 3517
CORRADINO RA: 749
CORSI V: 567-569
CORSINI A: 108
CORSON JA: 2407
CORSON SL: 398-399, 750
CORTES P: 751
CORTES-GALLEGOS V: 752-755
CORVOL P: 756-757, 2746
COSTA E: 4733
COSTA FERREIRA JM: 1348-1349
COSTANDI YT: 1813
COSTELLO LC: 758
COSTIN C: 4065
COSTIN G: 759
COSTLOW ME: 760
COTE LJ: 1621
COTT A: 4492
COTTIN S: 761
COTTOM DL: 762
COTTON JR: 762
COTTRALL MF: 763
COUCH RM: 764
COUDERT SP: 765
COUETTE JE: 3526
COUGHLAN MP: 723
COULBOIS J: 766
COUNIS R: 767
COUNTS S: 768
COURPRON P: 2330
COURTOIS H: 4608
COUSINEAU D: 769
COUTINHO P: 3712
COUTURIER J: 1006
COVELLI MD: 770
COVELLI V: 771
COX RH JR: 772
COX RI: 4249
COX S: 24
COY DH: 773-774, 1544
COY EJ: 773-774
COYLE JT JR: 775
COZZARI C: 776
CRABBE P: 4425
CRAFT I: 777-778
CRAFT IL: 779
CRAGLE RG: 780
CRAIG CR: 4527
CRAIN SM: 781
CRAMER H: 782
CRAMER OM: 783
CRANDALL BF: 2449
CRANSTON RW: 784
CRASTES DE PAULET A: 139
CRAVEN RP: 785
CRAVO AC: 1348-1349
CRAWFORD JD: 3329
CRAWFORD JS: 786
CRAWFORD LV: 787
CREAMER LK: 788
CREIGHTON WD: 789
CREMASCOLI G: 2464
CREMIN BJ: 790
CRENSHAW MA: 4284
CRENSHAW RR: 791
CREPINKO I: 1596
CREPY O: 3705
CRIGHTON DB: 792
CRIM LW: 793
CRISPELL KR: 794
CRISWELL HE: 1823
CRITCHLOW V: 998, 2829
CROCKER A: 2290
CROMBAG FJ: 795
CROME L: 1558
CROMWELL R: 4459
CRONE HD: 872
CROOKE AC: 796
CROSIGNANI PG: 829
CROSLAND DB: 797
CROSS BA: 798
CROSS HE: 799
CROSSLEY HL: 1260
CROUTHAMEL WG: 610
CROW MJ: 2470
CROWE MJ: 800
CROWSHAW K: 801
CRUCHAUD A: 1266
CRUIKSHANK DP: 802
CRUSE PJ: 803
CRYSTLE CD: 4285
CSABA B: 804
CSAPO AI: 805-809, 2842, 3174
CSAPO EF: 806-808
CSETE B: 873
CSEUZ R: 810
CUATRECASAS P: 292, 811-812, 907, 3902-3903
CUEVAS P: 4619
CUEVAS MATEOS F: 4414
CULLEN J: 854
CUMMING IA: 619, 813, 1126, 1383, 3649
CUMMINS PA: 814, 1206
CUMMINS RA: 4470
CUNDY JM: 815
CUNNINGHAM NF: 816, 4154
CUNNINGHAM PJ: 3156
CUNNINGHAM TA: 876
CURBELO HM: 2153-2154
CURIONI GB: 561
CURNOW RT: 3431
CURREY JD: 540
CURRIE WB: 817, 4249
CURRY DL: 818
CURZON G: 819-820
CUTHBERT AW: 821
CUTLER MG: 822
CZAJKOWSKI Z: 2191
CZEKANOWSKI R: 823
CZERNIAK P: 1835
CZERNIAWSKI E: 3810
CZERNIK AJ: 1104
CZERNOBILSKY B: 11
CZESNIN K: 824
CZYGAN PJ: 825, 2389

D

DAANE TA: 826
D'ABRERA VS: 827
DABULEANU L: 3225
DACKE CG: 828
DAHLEN HG: 3755
D'ALBERTON A: 829
DALE HE: 3548
DALE MM: 830
DALE SL: 1464
DALEN JE: 66
DALLAIRE L: 3205
DALLAPICCOLA B: 831-834
DALMARK M: 592
DAL PIAZ V: 3303
DALTON T: 3986
DALY J: 835, 3954
DALY JR: 50, 836, 2940
DALY JW: 837
DAMANY SJ: 838
DAMAS J: 839
DAMGAARD E: 3957
DAMIAN A: 98, 840
DAMICO CF: 841
DAMMANN W: 1210
DAMMRICH K: 3538
DANA M: 842
DANES BS: 967
DANIEL B: 3925
DANIEL V: 843
DANIEL WA JR: 844
DANIELS VG: 624
DANIELSSON H: 355
DANILOVA LV: 845
DANIS RK: 2860
DANKS DM: 2216
DANNIES PS: 846
DANOVITCH G: 3258
DANSEREAU M: 458
DANTZIG P: 847
DANUTRA V: 848
DANZ M: 849
DANZIGER J: 850
DAO C: 851, 4731
DA PRADA M: 852
DAPUNT O: 3459
DARDANELLI L: 1270
DARDENNE MU: 3335
DARGEL D: 853
DARK AJ: 477
DARNELL M: 2299
DARRAGH A: 854, 942
DARTNALL JA: 172
DAS NP: 4228
DASHEV G: 4734
DATHAN JR: 855
D'ATRI G: 1403
DATTACHAUDHURI M: 856
DAUDA G: 1059
DAUGHADAY WH: 3295, 3989
DAUNTER B: 857
DAURAT ST: 3679
DAVANZO JP: 2558
DAVENPORT GR: 1708
DAVEY AJ: 3975
DAVID DS: 858-859
DAVID GF: 860
DAVID M: 861
DAVID O: 1270
DAVID R: 559
DAVID RB: 3639
DAVIDOFF F: 862
DAVIDOFF FF: 4421
DAVIDSON DC: 1188
DAVIDSON JM: 3977
DAVIDSON MB: 863
DAVIE MW: 618
DAVIES DS: 459
DAVIES J: 617, 864, 1708
DAVIES JD: 865
DAVIES P: 786
DAVIGNON J: 2627
DAVILA D: 866
DAVIS JM: 3316
DAVIS JO: 1433
DAVIS JW: 106, 3774
DAVIS M: 867
DAVIS RA: 868
DAVIS RS: 2574
DAVIS WM: 2579
DAVIS Z: 869
DAVISON C: 1633
DAVISON KL: 3832
DAVLETBAKOV TD: 1976
DAVYDENKO OI: 204
DAVYDOVA TB: 870
DAVYDOVA TM: 204
DAWSON RM: 871-872
DAY BN: 2488
DAY DW: 535
DAYAKAR R: 113
DAYTON AD: 1466
DEAN PD: 3592
DEAN PM: 2704
DEB C: 632
DEBAENE A: 2366
DEBRAY C: 4354
DEBRECENI L: 873
DEBROVNER C: 1744
DEBUCH H: 1999
DE CAPRIO L: 3267
DE CARO G: 316
DECHAUME JP: 2319
DECK KA: 874
DE CLERCK FF: 875
DECONINCK B: 1216
DECOTEAU WE: 876
DEDOV II: 877-878, 4724
DE ELIO FJ: 4112

DEENEN LL VAN: 2241
DEFRANCE JF: 879
DE GENNESS JL: 880
DEGIROLAMI U: 881
DEGROOT LJ: 4654
DE GULA D: 882
DEGYTER M: 1041
DEHAAN RL: 2545
DE HERTOGH R: 4245
DEHNER LP: 883
DEJESUS PV JR: 361
DE JESUS TP: 897
DEKKER A: 1146
DE LA CRUZ A: 3295
DELAGARZA M: 2559
DE LA GARZA T: 53
DELALIEUX G: 4107
DELAMORE IW: 3667
DELAND FH 4257
DELANEY JR: 3701
DE LA TOUR J: 4354
DELAUDE A: 2383
DELBARRE F: 453
DELBAUFFE D: 3228
DELEENHEER A: 884
DELELLIS RA: 885
DELEZE G: 4016
DEL GRECO F: 886
DELHUMEAU-ONGAY G: 887
D'ELIA V: 4710
DELIUS L: 888
DELLACHA JM: 3679
DELLING G: 889, 2864, 3775
DELLMANN HD: 4090
DELORENZO RJ: 890
DE LOS HEROS JA: 693
DELOST P: 1442
DELPINO A: 891
DEL POZO E: 4377
DEL ROSARIO ALONSO M: 3512
DEL ROSARIO RUIZ M: 3512
DELSOL G: 1100
DELUCA HF 644
DELUCA HG: 892
DELUCA HF: 1377
DELUCA HF: 3111-3112
DELUCA HF: 4197
DEMAILLE A: 563
DE MATTEIS F: 893
DEMCHENKO AN: 4383
DEMEESTER LJ: 4496
DEMEL RA: 2241
DEMETRIOU JA: 976
DEMIN NN: 4435
DEMISCH K: 327, 894-895
DEMOULIN A: 2367
DEMPE A: 232
DEMSKI LS: 896
DEMURA R: 3648
DE MUYLDER E: 2355
DEN K: 4680
DEN N: 4681
DENARI JH: 3131
DE NAYER P: 4388
DENEF C. 376
DE NICOLA AF: 346
DENIS F: 897
DENIS G: 898
DENNEY JD: 899
DENT CE: 900
DENTON DA: 770
DENTON MD: 901
DENZLER U: 902
DEPISCH D: 903
DEPLANTE JP: 904
DEPPISCH LM: 4598
DERENNE JP: 3196
DEROO J 1324
DERRICK FC JR: 905
DERUTY B 2319
DERVICHIAN M: 603
DERVINIS A: 3571
DERWALL R: 3751
DE RYCK L: 2255
DESAI SM 906
DESAULLES PA: 350
DESBUQUOIS B: 907
DESCOMPS B: 139
DESCOVICH GC: 307-308
DE SEZE S 3622
DESGRES J: 908
DESHPANDE D: 3086
DESIDERIO DM: 2783
DESIRAJU T: 909
DESJARDINS C: 910
DESMUKES B: 1670
DESOMBRE ER: 1895
DE SOUZA SW: 911
DESPREZ-CURELY JP: 842
DESTEXHE B: 3367
DE TORRENTE A: 912
DEUS B: 2387
DE VALMAGGIA EK: 186
DEVENYI I: 1059
DEVICTOR-VUILLET M: 913
DEVILLA GO JR: 3389
DEVILLECHABROLLE A: 317
DEVINE CJ JR: 914
DEVINE KD: 2999
DE VISSCHER M: 4368
DEVITA VT JR: 3866
DEVOINO LV: 915
DEVYNCK MA: 916
DE WET JJ: 4389
DEWEY WC: 917, 2800
DEWHURST CJ: 779
DEWOLF W: 918
DEXTER L: 66
DEY DK: 632
DEYRIEUX F: 379
D'HAENE EG: 795
DHALLA NS: 4272, 4381
DHARMAMBA M: 919
DHAWAN BN: 4031
DHEM A: 920
DHOM G: 59, 921
DIAKOW C: 2171
DIAZ BORGES JM: 922
DIAZ INFANTE JS: 1997
DI BENEDETTO G: 1817
DI CARLO F: 3171
DI CATERINO B: 771
DICKENS HO: 923
DICKINSON AG: 1231
DICKINSON SJ: 924
DICKSON RA: 925
DICZFALUSY E: 170, 2694
DIDIER A: 1246
DIEDRICHSEN G: 926-927
DIEMATH HE: 928
DIERSCHKE DJ: 2003, 4509
DIETERICH RA: 929
DIETERICH WR: 930
DIETRICH FM: 1668
DIETZE F: 3779
DIETZE G: 931
DIGAUD A: 1200
DIGNAM WJ: 826
DIHLMANN W: 932
DIJKSTRA J: 933
DI LAURO R: 4382
DILS R: 4105
DILUZIO NR: 734
DIMARINO V: 2366
DIMAURO S: 4168
DIMICK PS: 3419
DIMITRAKOUDI M: 1887
DIMITROV DI: 934
DIMOV I: 935
DINCOL G: 48
DINCOL K: 48
DINGFELDER J: 464
DINNENDAHL V: 936
DINSTL K: 903
DINWOODIE AJ: 45
DION S: 429
D'IORIO A: 922
DIPASQUALE G: 937, 3424
DI PIETTO L: 2684
DIPOLO R: 938
DIPOLO R: 1634
DIPPE S: 106
DIRKS JH: 1021
DISSMANN T: 2482
DISTEFANO JJ 3D: 939
DISTLER A: 940-941
DITTRICH A: 3905
DIUKOVA II: 659
DIXON R: 942
DJABRI M: 1865
DJERASSI C: 943
DJOSELAND O: 1561
DJURDJEVIC D: 3933
DLUHY RG: 552
DOBBING J: 3972
DOBBINS C: 3498
DOBBINS WO 3D: 2398
DOBKIN AB: 944
DOBOS M: 945
DOCKALOVA J: 2324
DOCKE F: 542, 946
DODA M: 1314
DODGSON KS: 1726
DOEG KA: 4136
DOEHLER KD: 947
DOERING RM: 397
DOERR P: 948-949
DOHERTY JE: 950
DOHN W: 35
DOI H: 4331
DOI S: 4174, 4176
DOKERT B: 3469
DOKSHINA GA: 4726
DOLAIS J: 178
DOLL E: 951
DOLPHIN PJ: 2760
DOMANSKA B: 2339
DOMER FR: 952
D'OMEZON Y: 1036
DOMINGUEZ AE: 1132
DOMINIC CJ: 2262
DOMINO EF: 953
DOMM LV: 2062
DOMOTO DT: 954
DONAHUE V: 3126
DONALD AD: 3142
DONALD D: 955
DONALD RA: 1082
DONALDSON EM: 793
DONALDSON J: 956, 2815
DONALDSON PT: 2427-2429
DONALDSON SS: 957
DONAT H: 958
DONATI E: 3261
DONE JT: 1567
DONINI P: 283
DONNADIEU M: 3737
DONNELLY C: 2932
DONOVAN BT: 959
DOORENBOS H: 2317
DOPPER T: 960
DOPPMAN J: 3917
DOPPMAN JL: 3880
DOR P: 1886
DORCESCU M: 3227
DORDONI B: 867
DORE J: 4400
DORFMAN H: 3622
DORIGO P: 961-962
DORNER S: 963
DORNER VG: 964
DORON Y: 1489
DORP DA VAN: 1953
DORSETT BH: 965
DORST JP: 2995, 3085
DOSKOVA M: 3959
DOSSETOR JB: 3918
DOSTAL J: 2696
DOSTAL M: 966
DOUGLAS C: 967
DOUGLAS JR JR: 2813
DOUGLAS JS: 3127
DOUGLAS RH: 968
DOUGLASS WC: 4553
DOUSA TP: 969
DOUTHIT HA: 3515
DOWLING F: 4500
DOWLING SV: 4546
DOWNING TA: 970
DOYLE EF: 3614
DOYLE FH: 527
DRAGANOVA L: 971
DRANSFIELD BS: 972
DRASAR DS: 1684
DRASH AL: 4388
DRASNAR J: 1600
DRAY A: 442
DRAY F: 973
DREIFUSS JJ: 974
DREUX C: 975

DREWES PA: 976
DREYFUSS F: 4704
DREZNER Z: 977
DRIESSEN OM: 978
DRISCOLL SG: 1165, 1606
DROCHMANS A: 4566
DROEGEMUELLER W: 1064
DROST M: 2310-2311
DROUET J: 986
DROX JP: 4730
DRUMMOND GI: 979
DRUNKENMOLLE C: 980
DRUT R: 981-982, 3291
DSITLER A: 1554
DUAN WL: 704, 983
DUBE VE: 984
DUBIEL A: 985
DUBIN JC: 2384
DUBOIS D: 3518
DUBOIS MP: 218, 986
DUBOST C: 987
DUCHARME DW: 988, 2583, 4497
DUCHATELLE P: 989
DUCZYMINER M: 153
DUFAU ML: 602
DUFOUR M: 2366
DUFY B: 990
DUFY-BARBE L: 990
DUKELOW WR: 3430
DUMAS M: 719
DUMAS P: 991
DUMASIA MC: 992
DUMITRACHE C: 2794
DUMITRU M: 993
DUMOULIN J: 994
DUNCAN C: 1292
DUNDEE JW: 583, 995
DUNHAM EW: 996
DUNLAP JL: 997
DUNN J: 998, 3304
DUNN JT: 94
DUNN MV: 999
DUNNIGAN MG: 1188
DUPEYRON JP: 1000
DUPLAY H: 4125
DUPON C: 1001
DUPONT HL: 1191
DUPUIS Y: 1200
DUPUY P: 766
DURANDO AR: 939
DURDEN DA: 1002
DURIEZ J: 1003
DURLIAT M: 1004
DURR HK: 1005
DURROUX R: 2383
DUSTAN HP: 456
DUTAU G: 2383
DUTRILLAUX B: 1006
DUVAL J: 4361
DUVERNOY J: 1007
DU VIGNEAUD V: 1008
DUVILANSKI B: 1493
DVORNIK D: 1370, 3924
DVURECHENSKAIA GIA: 2728
DYAN S: 2645
DYCKES DF: 1008
DYER DC: 209, 3197
DYSON AL: 1009
DZHARIMOV AIA: 2120
DZIEDZIC-WITKOWSKA T: 2289

E

EAGAN RT: 1010
EARLE DP: 1228
EASTMAN CJ: 740, 1011-1012, 1860
EASTY DM: 3352-3354
EASTY GC: 3352-3354
EATON GG: 1013
EBEL H: 3858
EBERT MH: 1014
EBERT R: 1015
EBERTZ KH: 2144
ECCLESTON D: 136
ECONOMIDES SJ: 1016
EDDY RL: 1017
EDELHOCH H: 1018
EDELMAN I: 3927
EDGERTON LJ: 1508
EDHAG O: 1019
EDMONDS JW: 983
EDMONDS S: 1020
EDOUARD C: 2330
EDWARDS BR: 1021
EDWARDS CR: 1022
EDWARDS DA: 3591
EDWARDS DJ: 1023
EDWARDS R: 1352
EDWARDS RG: 1024, 1205
EECKHOUT E: 1041
EFIMOVA NV: 2279
EGAN SM: 1025
EGAWA J: 1026
EGERT D: 1027, 1926, 4607
EGGERT A: 1028
EGLI F: 1029
EGOROVA LK: 157
EHLERS E: 894
EHRENBERG-KIECKEBUSCH W: 2478
EHRENGUT W: 1030
EHRHARDT DR: 1031
EHRKE V: 400
EHRLICH EN: 2440
EICHENBERGER D: 28
EICHER EM: 1779
EICKE WJ: 1032
EICKHOFF TC: 1033
EIDE I: 1034
EIN SH: 1035
EINARSSON S: 2666
EINBINDER JM: 2239
EISINGER J: 1036
EISNER M: 1037
EKBLADH LE: 1038
EKENGREN B: 1039
EKINS RP: 51, 740, 1011, 1860, 4119
EL'BERT ME: 2070
ELDER JA: 3765
ELEWAUT A: 1040-1041
ELGENGEHY MT: 2
ELGER W: 1042-1043
ELGIN SC: 4631
ELIASSON R: 1044
ELIZAN TS: 3785
ELKE M: 1045
ELLENDORFF F: 1046, 1050
ELLIOTT JC: 1047
ELLIOTT WB: 57
ELLIS HA: 1048
ELLIS HL: 386
ELLIS LC: 1568, 3813
ELLIS SM: 1860
ELLMAN L: 1049
ELMSLIE WH: 3015
ELSAESSER F: 1046, 1050, 3170
ELSHEIKH A: 2
ELSON PM: 4098
ELSTEIN M: 857
ELTON A: 963
ELVEBACK LR: 4496
EMERSON PM: 386
EMMANOUEL DS: 1051
EMMENS CW: 1052-1054
EMMERS R: 1055
EMMERSON BT: 1056
EMMRICH P: 2587
EMRICH D: 1667
ENDER ML: 1709-1710
ENDERS AC: 1057
ENDERSBY CA: 1058
ENDES P: 1059
ENDO H: 3133
ENDO M: 1060-1061
ENDRENYI L: 1967
ENG JP: 2529
ENG VW: 2736
ENGEBRETSEN O: 1062
ENGEL JJ: 1063
ENGEL T: 970, 1064
ENGEL WK: 1065
ENGEL-RAE M: 1066
ENGELBERTH O: 2631, 2633
ENGELBRECHT FM: 3579
ENGELBRECHT JA: 209
ENGELHARDT D: 1067, 2127
ENGSTROM R: 3412
ENNEKING WF: 4257
ENNEVER J: 4424
ENTERLINE HT: 3864
ENTMAN ML: 3784
ENTWISLE BR: 1068
ENWONWU CO: 1069-1070
EPAND R: 2891
EPSTEIN S: 1071-1072, 3631
EPSTEIN SM: 637
ERDEM S: 48
ERDMANN G: 1073
ERECINSKA M: 1074
ERIKSEN E: 1075
ERIKSSON BO: 1076
ERIKSSON CJ: 1686
ERIKSSON K: 41
ERLANDSON RA: 56
ERLANGER BF: 1077
ERLANGER MW: 3263
ERLANSON C: 1078
ERMINI M: 283
ERNOULD C: 1216
ERTEL M: 747
ERTL N: 1079
ERVAST HS: 29
ERWIN CW: 1080
ESAKI K: 4199
ESANU C: 2110
ESCHNER J: 4592
ESCOBAR DEL REY F: 1081
ESCOUROLLE R: 4418
ESPINER EA: 1082
ESPINOZA A: 1083
ESSEN C VON: 81
ESSMAN WB: 1084
ESTES NA 3D: 1665
ESTRADA RV: 1085
ETTIGI P: 1086
EVANGELOU GN: 2763
EVANS AT: 593, 3256
EVANS ER: 1087
EVANS GW: 1088
EVANS HE: 1372
EVANS IM: 2322
EVANS JM: 1089
EVANS RG: 1529
EVANS RJ: 2704
EVANSON JM: 1929
EVDOKIMOVA VM: 1090
EVERED D: 1091, 1544
EVERED DC: 1092
EVERETT JW: 1093, 2234-2235
EVSEEVA LI: 2070
EVSEEVA SN: 1094
EWING LL: 910
EWING PA: 1095
EXTON JH: 1096, 2608
EYBL V: 1097
EYK RV VAN: 2241
EYRE DR: 1098
EYRE P: 1099, 2403
EZAKI H: 4486
EZHOV NIA: 3552
EZRIN C: 1302

F

FABBRINI A: 3439
FABRE J: 1100
FABRINI A: 3438
FABRYOVA L: 1766
FACHINI G: 2513
FADEEVA LL: 4705
FADEEVA ON: 267
FAGLIA G: 1101-1103, 3004-3005
FAGRAEUS A: 1938
FAHMY MF: 3996
FAHN S: 446
FAIMAN C: 765
FAIN JN: 1104, 4266
FAINSHTEIN FE: 1105
FAIRCLOTH KP: 397
FAIRLEY GH: 1106
FAIVRE J: 1107
FAIVRE JM: 498
FAJANS SS: 2126
FALEK A: 3068
FALK SA: 1108
FAMILIADES J: 1100
FANCHENKO ND: 3185
FANG S: 2411
FANTEL AG: 1955
FANTINI F: 194
FANTL V: 1109

AUTHOR INDEX

FARA J: 334
FARBER M: 1110
FAREBROTHER MJ: 2883
FARID NR: 1111
FARLEY B: 1565
FARLEY DB: 4374
FARLEY RD: 2546
FARMER GW: 1112
FARNARIER P: 2366
FARROW GM: 984
FARSTAD M: 1113
FARYNA DE RAVEGLIA I: 1114
FASAL P: 2401
FASOLI M: 561
FASSATI M: 1115-1116
FASSATI P: 1115-1116
FASSINA G: 961-962
FASSORRA C: 2515
FAUCOUNAU N: 4095
FAULHABER JD: 3282, 3743
FAURE JM: 990
FAVARO S: 108
FAVEZ G: 1117
FAVUS MJ: 1118
FAWCETT DM: 3918
FAWELL WN: 1119
FAY E: 807-808
FAYE I: 1120
FAYET G: 251
FAYEZ M: 2
FAZEKAS AT: 1121, 1725
FEDINETS AV: 1122
FEDOROVA AV: 2295
FEDOSEEV VM: 3859
FEDOTOV VP: 1842
FEFFERMAN RA: 759
FEHER A: 383
FEHER J: 1220
FEHM HL: 1123, 3743
FEHM L: 2316
FEIGELSON M: 1124
FEIGELSON P: 247, 1974, 4697
FEINLEIB M: 3786
FEINSTEIN RJ: 1125
FEKETE G: 945
FELDMAN JM: 2350
FELL LR: 1126, 1383
FELT V: 1127-1128
FENDLER JP: 168
FENTON AH: 1129
FEOLA RH: 1130
FERENCZY A: 1300
FERGER MF: 1008
FERGUSON DR: 1131
FERGUSON DS: 2456
FERIN J: 4245
FERIOLI ME: 726
FERMANDJIAN S: 916
FERNANDEZ BE: 1132
FERNANDEZ DE MOLINA A: 1133
FERNBACHER S: 2276
FERNLUND P: 1078
FERRAMOSCA B: 1134
FERRAND R: 1135
FERRARI C: 1103
FERRARI M: 1136
FERRAZ AR: 1137
FERREIRA SH: 1138
FERRENDELLI JA 1139
FERRERO S: 4714
FERRIER S: 1140
FERRIMAN DG: 3286
FERRINI U 891
FERSTL A: 1045
FESSELER A: 2478
FIALA ES: 1141
FIALA S: 1141
FIANDINI G 962
FIBIGER HC: 741, 1142-1143
FIBIGER HP: 1142
FICHMAN M 1144
FIDLER JP 1145
FIELD AM: 714
FIELD JB 637, 1146, 4657, 4735
FIELDEN ED 1147
FIELDING JF: 1148
FIERE D 1149
FIERER J: 1150
FIGAROVA V 3362
FIKRY ME 1151
FILER LJ JR: 1152
FILIPOVIC V: 1996
FILIPPOVA GI: 1153
FILLASTRE JP: 3518
FILLIOS LC: 1225
FILMER RB: 1154
FINCH ED: 2567
FINDLAY JK: 611, 1126, 1383, 3649
FINE J: 4619
FINE RN: 2193
FINEMAN EL: 1664
FINK JN: 4336
FINK R: 1155
FINLAY JM: 1579
FINN AE: 4028
FINN CA: 1156
FINNERTY FA: 2905
FIORUCCI GC: 4224
FIREMAN P: 1157
FIRSTATER M: 4000
FIRTH JA: 1158
FIRU P: 1159
FISCH HU: 1160
FISCHBACH R: 1573
FISCHER E: 1161
FISCHER F: 1520
FISCHER JA: 1162
FISCHER JE: 188
FISCHER S: 1163
FISH B: 559
FISH JC: 762
FISH SA: 2884
FISHBEIN L: 54
FISHBURNE JI: 1038
FISHBURNE JI JR: 463
FISHER DA: 939, 3075
FISHER LB: 1164
FISHMAN WH: 1165, 1818
FISHTALL A: 3275
FITZGERALD JE: 3721
FLACK JD: 2548
FLADERER HP: 1166
FLAMENT J: 479
FLAUTRE B: 1003
FLAX H: 1167
FLAXMAN BA: 1168
FLEISCH HA. 404
FLEISCHER N: 1169
FLEISCHER S: 2735
FLEISCHMANN LE: 3568
FLEISHER MR. 836
FLEMING WA: 2575
FLICK D: 542, 946
FLICKINGER GL: 3389
FLIEDNER TM: 1514
FLINT AP: 1170-1171
FLINT G: 1172
FLINTON LJ: 1971
FLORENCE AT: 1173-1174
FLOYD JC JR: 2126
FLOYD MB: 1175
FLUGE G: 1176
FLYNN EJ: 4019
FLYNT JW JR: 3068
FOCA FJ. 1177
FOCAN C: 1178-1179
FODOR L: 4592
FOGELHOLM R: 1180
FOITZIK H: 1181
FOLDES FF: 1182
FOLIOT A: 2746
FOLLETT BK: 3012, 3711
FOLLMANN P: 1183
FOMINA LS. 2988
FONG KT: 2551
FONSECA E: 1997
FONTAINE A: 2378
FONTAINE F: 2636
FONTANA PG: 1184
FONTANYI S: 1185
FONTENOT JP: 1186
FOORD R: 803
FOOTE RG: 1187
FORBES KK: 4571
FORCIER RJ: 1010
FORD JA: 1188
FORD JJ: 1189
FORET JD: 841
FORFAR JO: 1190
FORMAL SB: 1191
FORREST AP: 2807
FORREST JN JR. 2402
FORREST-HAY I 324
FORRESTER DB. 4148
FORSHAM P 1706
FORSHAM PH: 106, 1331
FORSMAN PJ: 1192
FORSSMAN O: 1193
FORSSMANN WG: 1194, 1486
FORSTER PM: 3521
FORSTER U: 4441
FORSTER W: 1195, 2621
FORSYTH IA 3852
FORTHMAN HJ: 2468
FOSTER GV: 2124
FOSTER JP: 792
FOSTER S: 1196
FOUGNER JA: 1197
FOUKAS MD: 1198
FOURNIER A: 1199-1200
FOURNIER E. 4399
FOURNIER P: 1200
FOURY F: 1201
FOWLER LJ: 241
FOWLER PB: 1202-1203
FOWLER R: 1204
FOWLER RE: 1205
FOX H: 814, 1206
FOX JG: 1207
FOX MW: 1208
FOZARD JR: 1209
FRACCARO M: 1211
FRAGOSO R: 1414
FRAHM H: 1210, 1239
FRAILEY J: 1954
FRAIMOW W: 3213
FRAIOLI F: 1827
FRAIRIA R: 99
FRAJESE G: 1211, 3439
FRALEY EE: 918
FRALEY S: 4492
FRANC Z: 1222
FRANCAVILLA A: 4048
FRANCAVILLA FR. 4048
FRANCE NE: 1558
FRANCESCHINI F: 833
FRANCHI F: 58, 2515
FRANCHIMONT P: 466, 990, 1212-1216, 2367
FRANCIS BM: 1217
FRANCIS JS: 1218
FRANCO GRANDE A: 1219
FRANCOIS J: 1220
FRANCOIS R: 1381
FRANCOIS-KRASSOWSKA A: 1221
FRANCOVA V: 1222
FRAND M: 1223
FRANECKI G 3332
FRANK H: 4197
FRANK L: 737
FRANK MM: 145
FRANK-PISKORSKA A: 1224
FRANKEL DL: 1225
FRANKEL T: 1226
FRANKEL VH: 540
FRANKLAND MV: 826
FRANKLIN CS: 1227
FRANKLIN RR: 18
FRANKLIN WA: 1228
FRANSSILA K: 1229
FRANZ C: 547
FRANZ K: 69
FRASER AF: 1230
FRASER H: 1231, 3155
FRASER PM: 1687
FRASER R: 527, 529, 4308
FRASER TR: 528, 1232
FRASIER SD: 3100
FRAUNFELDER FT: 1560
FRAZIER WA: 1233
FREDERICKSON RC: 1234
FREDHOLM BB: 1235
FREE MJ: 1236-1237
FREEDLENDER E: 4403
FREEDMAN RI: 2401
FREEMAN M: 2256
FREI E 3D: 392
FREID N: 2822
FREIER DT: 1238
FREIER S: 2314
FREIESLEBEN H: 724

FREIRE-MAIA L: 2741
FREIREICH EJ: 1655
FREISENHAUSEN HD: 1239
FRENCH SW: 3178
FRENGLEY PA: 202
FREUND M: 1140
FREY HH: 2068
FREY KW: 518, 1733
FRIED PA: 1240
FRIEDEN E: 3311
FRIEDMAN BI: 2884
FRIEDMAN EA: 3019
FRIEDMAN-BIRNBAUM R: 1531
FRIEDREICH E: 1043, 1589
FRIEDRICH E: 1241
FRIEDRICH EG JR: 4570
FRIEDRICH R: 4141
FRIEDRICH U: 3020
FRIES E: 3210
FRIES H: 3277
FRIES J: 739
FRIES JF: 1242
FRIESEN HG: 1086, 1243, 4302
FRIK W: 932
FRISBY SA: 4703
FRITEL D: 168
FRIZZELL RA: 3000
FROHLICH D: 1244
FROHMAN LA: 2919
FROLICH JC: 4146
FROLKIS WW: 1245
FROMAGEOT P: 916
FROMANTIN M: 1246
FROMMER J: 3909
FROSCIO M: 2038
FROST P: 1247, 1405
FROST S: 1104
FROTTIER J: 229, 4396
FRUHLING J: 1248
FRY AE: 1249
FRYBOVA I: 1115-1116
FRYNS JP: 4367
FUCCILLO DA: 1112
FUCHILA J: 2601
FUCHS C: 3384
FUCHS S: 3465
FUDENBERG HH: 4493
FUJI S: 3096
FUJII T: 1410
FUJIMORI I: 1410
FUJIMORI M: 3025
FUJIMOTO WY: 1914
FUJITA K: 4320
FUJITA M: 4167
FUJITA T: 1250-1251, 2083, 3082
FUJIWARA K: 4189
FUJIWARA M: 2197
FUKATSU H: 1252, 3641
FUKUCHI F: 3647, 4186
FUKUCHI S: 1253-1257, 2836
FUKUI H: 1258
FUKUI K: 1259
FUKUI Y: 1259
FULLER GC: 1260
FULLER RW: 1261
FUMI S: 1262
FUNCKE AB: 2337
FUNTIAKOVA NG: 1964
FUNYU T: 1263, 2250
FURLANUT M: 1136
FURLL M: 2161
FURR BJ: 828, 3852
FURTHMAYR H: 4096
FURUKAWA T: 4195
FURUKAWA Y: 1986
FURUSAWA S: 1264
FURUYAMA S: 2037
FUSEK I: 2631
FUSSGANGER RD: 1265
FUXE K: 835
FYFE WM: 1188

G

GABBARD RB: 3817
GABBIANI G: 1266, 3616
GABE M: 1267
GABELLA G: 1268
GABLER WL: 1269
GABOUREL JD: 543
GABREELS FJ: 2194
GABRYS BF: 3628
GABUTTI V: 1270
GABUZDA GJ: 1506
GADD RE: 694
GADDIE J: 1271
GADZHIEV KHE: 1272
GAGNON DJ: 769
GAGNON J: 2891
GAILUS F: 420
GAINES TB: 1273
GAION RM: 961
GAIRDNER D: 1274
GAITONDE BB: 4222
GAJEWSKI AK: 663
GAL D: 224
GAL F: 1275
GALABOV A: 3886
GALABOV GP: 4376
GALAND P: 1276
GALANTE L: 1277
GALANTE LS: 2322
GALATIR N: 3106
GALAZKA Z: 1278
GALBRAITH MN: 1279
GALBRAITH RS: 2500
GALE CC: 1280
GALEAZZI RL: 1281
GALEONE F: 3621
GALEOTTI T: 3191
GALLACHER M: 1282
GALLANT DM: 1492
GALLARDO H: 1306
GALLE P: 1283
GALLEGOSO AJ: 2985
GALLET-BOURQUIN D: 3434
GALLETTI F: 500
GALLI FE: 1284
GALONSKY R: 3019
GALZIGNA L: 1285
GAMBRELL RD JR: 1286
GAMPER CH: 2154
GAMPER HG: 2153
GANDELMAN R: 1287
GANESAN PA: 330, 1288, 2001
GANGULY U: 1491
GANONG WF: 1289
GANTEN D: 1290-1291
GANTEN U: 1291
GANTT C: 3410
GARABEDIAN M: 3229
GARANCIS JC: 4570
GARBACCIO A: 768
GARBARG S: 2789
GARCEA N: 2855
GARCIA CA: 1292
GARCIA CR: 923
GARCIA CR: 2105
GARCIA MD: 3664
GARCIA RB: 3519
GARCIA-BULNES G: 3201
GARCIA LEME J: 1293
GARCIA-WEBB P: 1294
GARDI R: 474
GARDINER M: 8
GARDNER DG: 1295-1296
GARDNER FH: 320, 1297, 1431-1432, 1532, 1897-1898
GARDNER JD: 1298-1299
GARDNER JE: 2193
GARDNER PJ: 3612
GARDNER PM: 1699
GARDNER SD: 714
GARDO S: 1956
GARDONI L: 3556
GARDSTEIN HF JR: 1300
GAREWAL HS: 1301
GARFINKEL PE: 1302
GARG BD: 1303, 2207
GARG BK: 2824
GARGOVIC A: 3130
GARNIER P: 1318
GARNIER PE: 634, 1905
GAROFF L: 1304
GAROVOY MR: 4104
GARREN LD: 215
GARRET R: 1305
GARRIDO CM: 1306
GARRISON MM: 1392
GARRISON RJ: 3786
GARRY-ANDERSSON AS: 83, 97
GARTMANN H: 409
GASCON J: 3432
GAS'MAEV VK: 3892
GASTON MG: 2076
GATTEREAU A: 1307
GAUDE R: 1330
GAUDIANO A: 475
GAUGER D: 3386
GAUTHIER M: 2285
GAUTHIER-LAFAYE JP: 1000
GAUTHIER-LAFAYE J: 1000
GAUTIER J: 4413
GAUTIER M: 161, 1308
GAUTVIK KM: 1309
GAVIN JR 3D: 1418
GAVRAS H: 514, 4386
GAVRAS I: 4386
GAWLAK D: 4083
GAY CV: 2909
GAY VL: 2365
GAZDAR C: 3268
GAZIRI LC: 1310
GAZIT A: 1223
GDAL-ON M: 2771
GEARY WL: 713
GEBHARDT M: 1311
GEHRING W: 504
GEHRMANN C: 2094
GEIGER G: 2231
GEIGER W: 1312, 3608
GEISTHOVEL W: 2113
GELBHAAR H: 1073
GELBKE HP: 1313
GELINET M: 1283
GELLEN B: 1314
GELLY C: 3208
GELMAN A: 684
GELMAN AL: 1016
GELOT M: 1315
GEMZELL C: 3634, 4551
GENANT HK: 2606
GENCHEV DD: 1316
GENDEL BR: 230
GENES SG: 2108
GENEST J: 1290-1291, 1553, 1740, 3056, 3546
GENEST P: 1317
GENNARI C: 560
GENNES JL DE: 1318-1319
GEORGE DT: 3431
GERACE T SR: 1218
GERALL AA: 997, 1320
GERARD A: 1321
GERASIMENKO PP: 1322-1323
GERBER CJ: 1080
GERBER GB: 1324
GERBER HA: 1325
GERBER N: 1281
GERDES H: 1005, 1326-1329, 2462
GERHARD JP: 479
GERHARDS E: 279, 1330, 3732
GERICH JE: 1331
GERISCH G: 3501
GERMAIN GS: 2916
GERMANN HJ: 1332
GERMER MZ: 1333
GERRARD JW: 876
GERSCHENFELD HM: 3224
GERSHOFF SN: 1770, 4524
GERSHON S: 3891
GERSHTEIN GIA: 4434
GERTZ EW: 4041
GERVAIS MH: 458
GERVAIS P: 4399
GERVIN AS: 3375
GESSLER U: 1334
GESSNER PK: 1335
GESSNER T: 1336
GESTEFELD K: 2663
GETZ MJ: 1337
GETZ R: 1338
GHELMAN M: 1339
GHEORGHE N: 1340
GHEORGHIU C: 141
GHINEA E: 3227
GHISE-BEER D: 1341
GHITTONI NE: 1114
GHIZARI E: 1342-1343
GHOSH A: 1344
GHOSH D: 1345

GHRAF R: 1346-1347
GIAO T RICO JM: 1348
GIAO JM: 1349
GIAUNTA J: 622
GIBA-TZIAMPIRI O: 3746
GIBBS C: 3239
GIBSON CD: 1350
GIBSON RA: 3376
GIGON U: 1351
GILARDEAU C: 2454
GILBERT DL: 1634
GILBERT FR: 1567
GILBERTSEN VA: 1548
GILBY ED: 1352
GILDAY DL: 1353
GILLESPIE E: 1354, 2418
GILLESPIE JS: 1355
GILLETTE JR: 1356
GILLIES P: 3024
GILLIGAN BS: 1357
GILLIS CN: 1847-1848
GILLY R: 1381
GILMAN AG: 1358
GILMOUR DG: 2534
GILON C: 3513
GILSON MD: 1359
GIMENEZ T: 1710
GIMLETTE TM: 1360
GINESTE J: 1246
GINSBERG-FELLNER F: 1361
GINSBORG BL: 370, 1362, 1761
GINSBURG DS: 1363
GINTHER OJ: 968
GIORDANO G: 1364-1365
GIORDANO O: 2847-2848
GIORGI EP: 1366
GIRANZANI F: 3556
GIRARD PL: 719
GIRAUD F: 1367
GIRGIS GR: 1368
GIRGIS M: 2
GIRON DJ: 1369
GIROTTI M: 2611
GISSEL-NIELSEN G: 3764
GIST DH: 4332
GITELMAN: 3498
GITNICK GL: 1112
GITO Y: 2211
GIURGIUMAN M: 3106
GIUSTINA G: 829, 3473
GIVNER ML: 1370
GLASER CB: 1371
GLASS L: 1372
GLASS RD: 1373
GLASSMAN LM: 2416
GLAUBITT D: 1374
GLAZER HS: 901
GLEICH GJ: 4591
GLEN AI: 136
GLENCROSS RG: 1375
GLESS KH: 1376
GLICK SM: 2510
GLIDEWELL O: 4111
GLISSON SN: 4430
GLOBUS A: 3720
GLORIEUX FH: 1377
GLOSKOWSKA-MORACZEWSKA Z: 1378
GLOVER EL: 3477
GLOVER G: 1379
GLOVER TD: 2507
GLOWINSKI J: 1555, 2716
GLOWINSKI J: 4560
GLUCKMAN JC: 641
GLUCKMAN MI: 3571
GOBBA S: 2
GOBBELER TH: 4050
GODAL A: 1380
GODDEN U: 346
GODDON LONGIN B: 1381
GODEAU P: 1382
GODING JR: 611, 619, 813, 1126, 1383, 2540, 3649
GOEBEL R: 948-949, 1384
GOETZ CH: 2103
GOETZE T: 1385
GOFFEAU A: 1201
GOGUEL A: 168
GOISIS M: 1386
GOLASZEWSKA A: 2170
GOLD GJ: 1917
GOLD LW: 1387
GOLDA W: 4161
GOLDBERG AL: 1388
GOLDBERG GM: 3258
GOLDBERG HI: 2894
GOLDBERG M: 254
GOLDBERG R: 1908
GOLDBERG RB: 1389
GOLDEN AS: 1390
GOLDEN EN: 2562
GOLDEN T: 4477
GOLDENBERG IS: 4188
GOLDENBERG MM: 1391
GOLDFINE ID: 1392
GOLDFOOT DA: 4463
GOLDHABER P: 4205
GOLDIE DJ: 1544
GOLDMAN AL: 447
GOLDMAN L: 1393-1394, 4074
GOLDMAN M: 3240
GOLDNER LJ: 1395
GOLDSMITH RE: 1396-1397
GOLDSTEIN DB: 1398
GOLDSTEIN DP: 3212, 3217, 3726
GOLDSTEIN JL: 1399
GOLDSTEIN M: 1400
GOLDSTEIN MA: 3784
GOLDSWAIN PR: 1071
GOLDZIEHER JW: 1534, 4718
GOLIKOV AP: 1401
GOLIKOVA AI: 1845
GOLLNICK PD: 1076
GOLTER TD: 1402
GOMARASCA P: 1403
GOMBA S: 1059
GOMES WR: 1236, 1404
GOMEZ CJ: 1114
GOMEZ EC: 1247, 1405
GOMEZ-LEAL A: 1413
GOMEZ-SANCHEZ C: 2037
GOMEZ VARGAS E: 1406
GONCALEZ Y: 325
GONCALVES EL: 325
GONCHAROVA DN: 1407
GONCZI J: 1408
GONDA N: 1409-1410
GONDOS B: 1411
GONG SN: 1412
GONNERMAN WA: 4284
GONZALEZ A: 4718
GONZALEZ CR: 2985
GONZALEZ-BARCENA D: 1413, 2362
GONZALEZ-CORTES A: 1414
GONZALEZ DIDDI M: 2985
GONZALEZ GONZALEZ A: 1219
GONZALEZ-LICEA A: 3201
GOOD RA: 1415
GOOD W: 1416, 2542
GOODMAN DS: 3979
GOODNER CJ: 1417
GOODWIN FJ: 855
GOODWIN NJ: 3019
GOPEL W: 201
GORBMAN A: 3113, 3176
GORBUNOVA LA: 2728
GORCZYNSKI RJ: 4018
GORDEN P: 1418
GORDON A: 1419
GORDON D: 2409
GORDON GG: 52
GORDON J: 1420
GORDON JL: 1421
GORDON LF: 1529
GORDON RD: 1422
GORDON-SMITH EC: 1423
GORDONSON J: 3855
GORE IY: 1424
GOREE JA: 377
GORELOVA NV: 3859
GORFINKEL HJ: 1425
GORIDIS C: 1426
GORINS A: 1427
GORKIN VZ: 1428
GORLICH L: 4449
GORLIN RJ: 1429
GORMAN CA: 2999
GORMAN RE: 353
GORNALL DA: 1430
GORSHEIN D: 320, 1297, 1431-1432, 1532, 1897-1898
GORSKI RA: 3576
GOSLAR HG: 2074
GOSSET F: 1438
GOSWAMI P: 1345
GOTH E: 1645
GOTSHALL RW: 1433
GOTTESFELD Z: 1434
GOTTESMAN M: 2967
GOTTLIEB JA: 392, 1435
GOTTWICK M: 3570
GOTZ F: 964
GOTZEL L: 1436
GOUBERN M: 1437
GOUGE JJ: 2285
GOUGET A: 1007
GOUIN B: 1438
GOUIN PR: 3600
GOUJON P: 1760
GOULDING A: 1439
GOUSSARD J: 3526
GOUST JM: 317, 880, 1440
GOUTTE C: 28
GOYA N: 4675
GRABOSCH E: 256
GRABOVSKII LA: 1441
GRABOWSKI R: 3332
GRACE M: 3918
GRADISKI D: 1442
GRAEF V: 1443
GRAESSLIN D: 1444, 4506
GRAF L: 1445
GRAF U: 4636
GRAFF G: 1446
GRAHAM FH JR: 244
GRAHAM JH: 1447
GRAHAM T: 539
GRAHN B: 1448
GRANAT LN: 2165
GRAND RJ: 1449
GRANDA J: 858
GRANGER P: 1290-1291
GRANGER-JULIEN M: 1927
GRANICKI O: 1450
GRANSTROM E: 1455
GRANT EC: 1451
GRANT G: 1497
GRANT JK: 1366
GRANT LD: 735
GRASS M: 3079, 4097
GRASSLIN D: 445
GRATZLOVA J: 3479
GRAU JD: 974
GRAU M: 368
GRAU REAL F: 1452
GRAVELEAU J: 2881
GRAVES L: 528
GRAVINA E: 1453
GRAY ES: 3931
GRAYBIEL AM: 1454
GREAVES MW: 2549
GRECO F DEL: 2440
GREEF WJ DE: 2241
GREEN AP: 1727
GREEN K: 1455
GREEN M: 4241
GREENBAUM AL: 1499, 3680
GREENBERG I: 4492
GREENBERG MJ: 37
GREENBERGER NJ: 1456
GREENBLATT DJ: 1457
GREENBLATT RB: 1286, 4038
GREENE LF: 984, 2602
GREENGARD O: 1458, 3494
GREENGARD P: 890, 1459
GREENGRASS PM: 1460
GREENING WP: 3251
GREENWAY FL: 664
GREEP RO: 1461
GREER B: 1064
GREER MA: 318, 2135
GREGG JH: 1462
GREGOIRE A: 2378
GREGOROVA I: 4006
GREGOROVA I: 4007-4008
GREGORY PA: 1463
GREIG WR: 461
GREKIN RJ: 1464
GRESIK EW: 1465
GRETILLAT A: 1140
GREVE T: 1466
GREZE M: 1467

AUTHOR INDEX

GRIFFITH ER: 1468
GRIFFITHS K: 848, 1469, 4583
GRIGGS G: 1744
GRIGGS RC: 1470
GRIGORESCU A: 2110
GRILL V: 1471-1472
GRIMBERT T: 2716
GRIMES EM: 4128
GRIMM Y: 1473
GRIN J: 1474
GRINWICH DL: 1171
GRIPPOIS D: 3274
GRISWOLD MD: 1475
GRISWOLD WR: 1476
GROBECKER H: 940
GROGAN WM JR: 1477
GROKHOVSKII LP: 1478
GROMOVA EA: 1479
GRONOW M: 3657
GROOM GV: 1480
GROS C: 1481
GROSS DM: 4248
GROSS E: 2724
GROSS F: 776
GROSS M: 2085
GROSSE P: 3333
GROSSER BI: 1482
GROSSMAN A: 3410
GROSSMAN MI: 1824
GROSSO E: 4224
GROSVENOR CE: 1483
GROUCHY J DE: 3587
GROVER JW: 1484
GROZDANOVIC J: 2696
GROZDEA J: 1485
GRUBE D: 1194, 1486
GRUBER D: 964
GRUHN K: 1487
GRUMBACH MM: 2033
GRUNBERG W: 1488
GRUNECK JS DE: 2943
GRUNER M: 3399
GRUNSELL CS: 2035
GRUSHKIN CM: 2193
GRUSS R: 2025
GRUSZKIEWICZ J: 1489
GRYFE CI: 1490
GRZEBIELUCH M: 4155
GRZEGOCKI JA: 2861
GRZES A: 2224
GSCHNAIT F: 3502
GSCHWENDT M: 2509
GUARNIERI GF: 4260
GUAY JM: 67
GUERIGUIAN JL: 3236
GUERRANT RL: 1491
GUERRERO-FIGUEROA R: 1492
GUERRERO-FIGUEROA E: 1492
GUEYE SN: 2755
GUGLIELMONE AE DE: 1493
GUGLIOTTA L: 2331
GUHA A: 4587
GUHR O: 1494
GUIBAUD P: 1495
GUIDOTTI A: 4733
GUIDRY AJ: 1496
GUILLEMIN R: 1497, 3513
GUILLIEN P: 2422
GUINET P: 1498
GUIVARCH M: 2881
GUMAA KA: 1499
GUMBRECK LG: 677
GUNNARSSON PO: 1500-1501
GUNTHER H: 930
GUNTHER J: 4334
GUPTA D: 146, 3399, 4422, 4720
GUPTA G: 3356
GUPTA L: 1502
GUPTA ML: 222
GUPTA N: 1503
GUPTA PC: 3593
GUPTA PS: 4255
GUPTA S: 1504
GUPTA TK: 222
GURCHINOFF S: 1505
GUSIAKOV VP: 2812
GUSTAFSON AB: 1506
GUSTAFSSON B: 2666
GUSTAFSSON JA: 294, 356, 578, 1507, 3414
GUTENMANN WH: 1508
GUTHOFF R: 3777
GUTHRIE RW: 1509
GUTIERREZ-CERNOSEK RM: 2396-2397
GUTTERMAN JU: 1655
GUTTMANN RD: 249
GUZMAN MA: 3654
GVOZDENOVIC-SEDLECKI S: 1996
GWADZ RW: 1510
GWAZDAUSKAS FC: 1511
GYDE OH: 1512
GYLFE E: 1513
GYORGY L: 1314, 3283
GYSIN R: 2853

H

HAAGENRUD A: 9
HAAPALAHTI J: 4676
HAAS HL: 77
HAAS RJ: 1514
HAASCH WD: 2204
HABEL AH: 1515
HABER E: 4402-4403
HACHIYA K: 2197
HACHIYA T: 2837, 3072, 4685-4686
HACHMEISTER U: 1516
HACIK T: 1517
HACKENBERG K: 1518
HACKL H: 9
HADDAD JG: 4042
HADDEN DR: 3941
HADHAZY P: 1519
HADJIDIMOS A: 1520
HAEHLING G VON: 1521
HAEHNEL P: 1481
HAEUSLER G: 1522
HAFEZ ES: 118-119, 2875
HAFF RC: 1523
HAFFELE R: 3170
HAFLIGER O: 1524
HAFS HD: 473
HAGEMAN WE: 1525
HAGEMANN J: 1619
HAGEMENAS FC: 245
HAGEN R: 2657
HAGER D: 1526
HAGERMANN J: 1896
HAGGE W: 1820
HAGIWARA Y: 2181
HAGLER L: 1527-1528
HAGLRIMSON CG: 3340
HAGLUND V: 9
HAHN GM: 1529
HAHN K: 1782
HAHN M: 3672
HAHNEL H: 1530
HAIM S: 1531
HAINER V: 3959
HAINES CR: 4188
HAIT WA: 320
HAIT WM: 1897
HAIT WN: 1431, 1532, 1898
HAKANSON R: 1533, 3158
HALDAR J: 2057
HALE HB: 1534
HALE MS: 1535
HALES IB: 3075, 4085
HALEY NR: 2508
HALGRIMSON CG: 3339, 4048
HALIKOWSKI B: 3618
HALJAMAE H: 1536
HALL CE: 1537
HALL EV VAN: 1538
HALL GA: 1539
HALL IH: 3290
HALL JG: 1540
HALL O: 1537
HALL PE: 45
HALL PF: 3874-3875
HALL R: 1091, 1541-1544, 2576, 4318
HALL RW: 1404
HALL TC: 1678
HALL WJ: 1545-1546
HALLAKOUN B: 3929
HALLAUER W: 1547
HALLBERG MC: 4558-4559
HALLE H: 964
HALLE W: 2223
HALLER J: 3170
HALLER JA JR: 3085
HALLGREN HM: 1548
HALLOWES RC: 1549
HALPERN M: 1550
HALPRIN KM: 1125
HALTER D: 975
HALTERMAN RH: 2450
HALVES E: 2912
HAM EA: 2252
HAMAMURA L: 1293
HAMANAKA N: 3097
HAMAZAKI T: 1551
HAMED HH: 1552
HAMET P: 1553
HAMILL RL: 4615
HAMILTON JM: 3657
HAMILTON JW: 673
HAMILTON TH: 2509
HAMMARSTROM L: 3962
HAMMER DI: 721
HAMMERSTEIN J: 1554, 3076, 3555, 3788
HAMON M: 1555
HAMPEL N: 224
HAMPRECHT B: 1556
HANAI N: 4183
HANBAUER I: 1557
HANCOCK KW: 1416, 2542
HANCOX NM: 4601
HANDA S: 2133
HANDOCA A: 98, 840
HANEFELD F: 1558
HANEGAN JL: 1559
HANKA-POSZTOCZKY M: 1376
HANKS JB: 2457
HANNA C: 1560
HANNA EE: 4351
HANNAN WJ: 3403
HANNAPEL LK: 4075
HANSON TM: 2323
HANSSON V: 1561
HANZLIK J: 1562
HAPKE HJ: 1563
HAPP J: 327
HARA K: 2134
HARA M: 1564, 3696, 4655
HARAKAL JJ: 3992
HARARY I: 1565
HARBITZ TB: 3015
HARBOURNE JF: 1567
HARCUS AW: 1566
HARDBERGER RE: 1560
HARDING GB: 4543
HARDING JD: 1567
HARDMAN JG: 3774
HARDOUIN JP: 1438
HAREL L: 373
HARESIGN W: 792
HARGROVE JL: 1568, 3813
HARIK SI: 1569
HARMS PG: 1570
HARNER RN: 361
HARPER ME: 848
HARPER MJ: 1571, 3643, 4029
HARRELL EH: 1572
HARRELL L: 184
HARRER G: 1573
HARRI MN: 1574
HARRIS AB: 1575
HARRIS AM: 3575
HARRIS J: 1901
HARRIS JI: 3018
HARRIS M: 1576, 1893
HARRIS PJ: 1577
HARRISON AK: 2933
HARRISON CE: 736
HARRISON HE: 467, 1578
HARRISON JE: 1579
HARRISON TS: 1238
HART BL: 1580
HART DE: 1581, 4078
HARTEMANN P: 1315, 1582
HARTIALA J: 1583
HARTIALA K: 1583
HARTIKAINEN AL: 2023
HARTLEY J: 1575
HARTLEY LH: 1715
HARTLEY W: 136
HARTMAN BO: 1534
HARTMAN WH: 539
HARTMANN A: 90
HARTMANN F: 1584

AUTHOR INDEX

HARTMANN G: 3627
HARTMANN PE: 1585, 2240
HARTUNG M: 1367
HARTWICH G: 1586, 2527
HARUMIYA K: 4684
HARUNA M: 1814
HARVEY JA: 3114
HARWOOD JP: 1587
HASAN SH: 1043, 1588-1589
HASEGAWA H: 4659
HASEGAWA K: 3029
HASEGAWA T: 2698
HASHI K: 4517
HASHIMOTO K: 1590
HASHIMOTO S: 4320
HASHIMOTO T: 2833
HASHIMOTO Y: 2072, 2273, 4700
HASLAM RA: 304
HASTY MA: 1399
HATADA K: 879
HATTON GI: 3125
HATTORI K: 2097
HATTORI M: 3822
HATTORI S: 1735
HATZIOTIS JC: 1591
HAUBRICH DR: 1592
HAUG E: 1593, 4277
HAUG HP: 2864, 3057
HAUG M: 1594
HAUGAARD N: 674
HAUMONT S: 1595
HAUPTMANN E: 1596
HAUSER GA: 499, 1524, 1597, 2611
HAUSS WH: 1765
HAUSTEIN UF: 1598
HAUW JJ: 4418
HAVARD CW: 1599
HAVE J TEN: 1780
HAVRANEK F: 1600
HAWKING F: 1601
HAYAKAWA K: 3097
HAYAKAWA S: 1602
HAYAMI K: 2669
HAYASAKA Y: 2172
HAYASHI E: 4271
HAYASHI Y: 1603
HAYASHIDA T: 1604
HAYAT M: 2689
HAYDUK K: 1291, 1605, 2222, 3546
HAYEK A: 1606
HAYES DM: 1607
HAYES KC: 4524
HAYES TJ: 1608
HAYET M: 4236
HAYMOVITS A: 1609
HAYNES CM: 2556
HAYNES FW: 66
HAYNES NB: 792, 1610
HAYRY P: 82
HAYWARD J: 1611
HAYWARD JL: 4476
HAYWARD JN: 1612-1613
HAZARD J: 1283
HAZATO H: 1614
HAZZAA AA: 1615
HEACOCK RA: 1616
HEAP RB: 1809
HEBAUF H: 3536
HEBERT CN: 816
HEBERT D: 694
HEBERT S: 4399
HEBKY J: 1222
HECHT NB: 1617
HECHTER O: 969
HECHTMAN H: 296
HEDGES JR: 830
HEDQVIST P: 1235
HEEGE-DOHR R: 4324
HEEP J: 3608
HEESEN D: 1618
HEFNAWI F: 120
HEHRMANN R: 1619-1620, 1896, 2864
HEIDENREICH P: 1734
HEIDLAND A: 2233
HEIKKILA RE: 1621
HEIKKINEN E: 1622
HEIMLER A: 3254
HEIMPEL H: 1244
HEINEMANN HO: 1623
HEINEN H: 1311
HEINIGER HJ: 4214
HEINRICH U: 1772-1773
HEISLER N: 3722
HEKALI R: 30
HELANDER HF: 1624
HELD H: 1625
HELDMAN E: 1084
HELFERICH B: 1626
HELGELAND K: 1627
HELIN P: 4005
HELL G VAN: 2337
HELLER CG: 2887
HELLER J: 1628, 1751
HELLER RM: 3085
HELLMAN B: 1513
HELLMAN L: 4740
HELLWEG W: 3335
HELM JD 3D: 3216
HEMINDRA P: 4202
HEMM RD: 1629
HEMMINGS SJ: 979
HEMPEL E: 1630
HENDERKOTT U: 4014
HENDERSON BW: 1017
HENDERSON EG: 4430
HENDERSON WJ: 1469
HENDREN WH: 1631
HENDRICKS C: 1418
HENDRICKS CH: 463-464
HENDRICKS SE: 997
HENDRICKX AG: 1632, 4034
HENDRIE B: 3731
HENDRIKSE JC: 3327
HENDRY JH: 2609
HENDRY WF: 378
HENINGER GR: 2402
HENKE PG: 1633
HENKEL W: 724
HENKIN RI: 1634, 3695
HENNEMANN H: 2233
HENNEN G: 699
HENNEY CS: 2418
HENNEY HR JR: 2530
HENNEY S: 1635
HENNIG A: 4239
HENNING HV: 1636, 3384
HENNING U: 1066
HENNINGSSON SS: 1448
HENRICKS DM: 2311
HENRIKSEN SA: 1637
HENRY E: 1638, 2857
HENRY PD: 1639
HENSCHER L: 547
HENSON D: 3317
HENZL MR: 807-808, 1640
ĦEPA J: 1641
HEPP H: 1642, 3905
HEPP KD: 931, 1643
HEPTNER W: 3674
HERBERG LJ: 384, 1644
HERBERT CM: 449
HERBERT J: 860
HERBST JJ: 2162
HERCHUELZ A: 1526
HERING ER: 366
HERMAN E: 343, 1645
HERMAN RH: 1527-1528
HERMAN ZS: 1646
HERMAND E: 1647
HERMIER M: 1495
HERMRECK AS: 1648
HERNANDOVICH J: 2147
HERR HW: 1649
HERRATH D VON: 1650
HERREMAN G: 1382
HERRERA AE: 1651
HERRERA J: 2362
HERRMANN C: 1710
HERRMANN H: 1652
HERRMANN J: 1653-1654, 2114, 4346
HERSH EM: 1655
HERT J: 1656
HERTELENDY F: 1657-1658
HERTER U: 964
HERTZ P: 4089
HERTZ R: 1659
HERTZ R: 1660
HERXHEIMER H: 1661
HERY F: 1662
HERZ A: 372
HERZ F: 1663-1664
HERZFELD A: 1665
HERZOVI F: 1666
HESCH RD: 219, 1636, 1667-1668, 1772-1773, 2425, 2911
HESHIKI A: 2699
HESS E: 1397
HESS H: 2607, 2657
HESS ME: 503
HESSE P: 1155
HESTER RB: 1669
HESTON WE: 1670
HEWICK DS: 1671
HEWISON A: 2288
HEWLETT R: 3855
HIBBERT DJ: 2810
HIBUSE F: 2272
HICKMAN R: 768
HIDAKA H: 299
HIER DB: 1672
HIGGINS MJ: 1673
HIGGINS SJ: 1674-1675
HIGGINS TJ: 4488
HIGUCHI K: 1676
HIGUCHI WI: 4689
HIGUCHI Y: 4655
HIGURASHI M: 1677
HILDEBRANDT H: 3536
HILF R: 1678, 3689
HILFRICH J: 1679
HILGENFELDT U: 1680, 2761
HILGER P: 1653
HILGERTOVA J: 1681
HILL JD: 1682
HILL LF: 23, 1683
HILL MJ: 1684
HILL PM: 1685
HILL RH: 535, 1871
HILL W: 3204
HILLBISH TF: 1660
HILLBORN ME: 1686
HILLER HJ: 547
HILLER JM: 3927
HILTON SM: 738
HIMBERT J: 2713
HIMMELHOCH S: 4739
HIMSWORTH RL: 1687
HINDELAND-GERTNER C: 4090
HINDOCHA P: 352
HINE PM: 1703
HINGORANI V: 3400
HINKLE PM: 1688
HINMAN P: 1689
HINNERS TA: 721
HINOJOSA M: 1414
HINSELMANN M: 698
HINZ M: 3724
HIOCO D: 3622
HIPKIN LJ: 1690
HIRAGA K: 133-134
HIRAMATSU M: 1691
HIRANO M: 2788
HIRATA F: 1815
HIRATA M: 1692
HIRAYAMA A: 2211
HIROI M: 1693
HIROOKA Y: 4659
HIROSHIGE N: 3149
HIROSHIGE T: 1694
HIRSCHHORN K: 293
HIRST AD: 1512
HIRST GD: 1362
HIRTHE D: 2437
HISADA K: 2052
HISAMATSU T: 2149-2151
HISAW FL: 1695
HISCOE A: 1696
HITT JC: 1320
HJORTH P: 1697
HNIKOVA O: 1698
HO BT: 1699
HO GK: 3381
HO J: 1889
HO KJ: 1700
HO MW: 1701
HO OL: 3110
HO RJ: 1096
HOA LV: 3526
HOBEL CJ: 1411
HOCH WS: 3213

AUTHOR INDEX

HOCHMAN A: 344
HOCK A: 853
HOCKWIN O: 2144
HOCMAN G: 1517
HODGEN GD: 1702
HODGES JR: 509
HODGKIN P: 1703
HODGSON C: 796
HODR J: 1600
HOEBEL BG: 40
HOEDE N: 1724
HOEPFFNER W: 328
HOET JJ: 1704
HOEVEN GM VAN DER: 2854
HOF G: 1705
HOFELDT FD: 106, 1528, 1706
HOFF HG: 1346
HOFF KM: 180
HOFFER B: 3954
HOFFER BJ: 1707
HOFFKEN B: 2511
HOFFMAN LH: 864, 1708
HOFFMANN B: 1709-1710
HOFFMANN C: 256
HOFFMANN G: 1711
HOFFSTEIN S: 4742
HOFMANN GG: 1712
HOFMANN LM: 656
HOFMEISTER H: 1713
HOGAKI M: 1714
HOGAN RP 3D: 1715
HOGUE-ANGELETTI RA: 1233
HOHMANN D: 1716
HOHNE KH: 3057
HOLAN T: 2781
HOLDAWAY IM: 3445
HOLDER FC: 1717-1718
HOLICK MF: 1377
HOLLAND DT: 1890
HOLLAND JB: 713
HOLLAND JC: 4526
HOLLAND RC: 2996
HOLLANDER CS: 152
HOLLANDER W: 3570
HOLLINGSHEAD GW: 1394
HOLLINGSWORTH DR: 4343
HOLLMANN HJ: 4066
HOLMAN BL: 1719
HOLMES D: 1720
HOLMES EW: 1721
HOLMES WL: 3222
HOLMSEN H: 3951
HOLT SB: 1722
HOLTORFF J: 328
HOLTZHAUER R: 3815
HOLTZMAN SG: 4064
HOLWERDA DA: 1723
HOLZ R: 496
HOLZBAUER M: 346
HOLZMANN H: 1724
HOMOKI J: 1121, 1725
HOMSY E: 3138
HONDA T: 4184
HONMA S: 2976
HOOD LE: 4631
HOOD W: 4130
HOOD W JR: 296
HOOGEN H: 1731
HOOK GE: 1726
HOOK JB: 2574
HOOPER M: 1727
HOOVER F: 1565
HOPE DB: 3294
HOPE-GILL H: 1232
HOPES R: 1728
HOPKIN JM: 1576
HOPMAN H: 1729
HOPPE I: 1730
HOPPEN HO: 1731
HOPPER J JR: 1732
HOR G: 1733-1734
HORAI R: 1735
HORAN AH: 1736
HORECKER BL: 75
HOREJSI J: 1737
HORGAN DJ: 4309
HORI T: 2834
HORIUCHI J: 1738
HORIUCHI N: 1739
HORKY K: 1740, 3959
HORN AS: 1741-1742
HORN DH: 1279
HORN H: 1743
HORN K: 1712, 3044
HORN Y: 1743
HORNE HW JR: 1744
HORNG JS: 4615
HORNICK RB: 1191
HORNSBY VP: 1745
HORNYCH A: 1746
HOROWITZ P: 3569
HORROBIN DF: 1747-1748
HORSLEY JS 3D: 2340
HORST HJ: 2438
HORSTER FA: 4567
HORSTMANN G: 1749
HORSTMANN H: 4567
HORTA-BARBOSA L: 1112
HORTON CE: 914
HORTON R: 1144, 2084
HORVATH E: 1750, 2207
HORWITZ, J: 1628, 1751
HORWITZ ST: 440
HOSAIN P: 1752
HOSCHL R: 1360
HOSEK B: 1753
HOSENFELD JM: 1534
HOSHINO F: 2961
HOSHINO K: 1754
HOSKING DJ: 1755-1756
HOSLI L: 77
HOSSEINIAN A: 1001
HOSZOWSKI K: 1224
HOTCHKISS J: 2003, 4509
HOTTA K: 1757
HOTZ J: 1758
HOUGHTON J: 1759, 3286
HOUILLON C: 1760
HOUSE CR: 370, 1761
HOUSSAY AB: 2153-2154
HOUTSMULLER UM: 393
HOUVENAGHEL A: 3244
HOVE K: 1762
HOWELL SL: 1763, 2858
HOWELLS AJ: 1764
HOWORTH PJ: 1512
HRADEC E: 2897
HRESHCHYSHYN MM: 1994
HRUBESCH M: 1765
HRUBISKO M: 1766
HRYNCZUK B: 2492
HRYNIEWIECKI J: 3374
HSIEH P: 1991
HSU TC: 3216
HUANG AS: 4010
HUANG JS: 1767
HUANG M: 837, 3954
HUBACEK J: 448
HUBBARD GL: 1269
HUBBARD JE: 1768
HUBBELL HR: 1769
HUBER AM: 1770
HUDCOVIC A: 1771
HUDGINS PM: 4577
HUENGES R: 2222
HUFNER M: 1667-1668, 1772-1773, 2425
HUG I: 1045
HUGH-JONES P: 1661
HUGHES BO: 1774
HUGHES BP: 4673
HUGHES IE: 1775
HUGHES RE: 512, 1776
HUGLI TE: 1777
HUGON RN: 1308
HUGUES J: 1178-1179
HUHTANIEMI I: 1778
HUIJING F: 1779
HUIS IN 'T VELD LG: 1780
HULAND H: 1028
HULL EM: 1781
HULSE R: 1782
HUMAN L: 1783
HUME DM: 3851
HUMES JL: 2252
HUMPHREY MJ: 1784
HUMPHREY RM: 2949
HUMPHREYS PN: 1785
HUMPHRIES NG: 999
HUNDER GG: 520
HUNGEN D VON: 1786
HUNT DM: 1787
HUNT TM: 4134
HUNTER C: 1788
HUNTER DR: 1789
HUNTER JD: 1790
HUNTER JO: 618
HUNTER RJ: 1607
HUNTER WM: 1791, 1822, 4261
HUPF HB: 2075
HURST KS: 1792
HUSEK P: 1128
HUSKEN WS: 1636
HUSTU HO: 148
HUTCHINS DA: 1793
HUTCHINS GM: 181
HUTCHINS M: 2829
HUTCHINSON JS: 160
HUTTUNEN JK: 4061
HYNES KM: 4091
HYNIE J: 1794
HYNIE S: 1795, 3858
HYVARINEN H: 1796
HYYPPA MT: 1797

I

IANSON ZA: 1798
IBRAGIMOV II: 654
IBRAGIMOVA GV: 4385
IBRAHIM II: 3357
ICE RD: 2092
ICEKSON I: 2025
ICEKSON Y: 1434
ICHII S: 1799
ICHIKAWA A: 2788
ICHIKAWA Y: 2133
ICHIYASU K: 2071
IDOVA GV: 915
IEIRI Y: 2071
IFF HW: 1281
IFFY L: 4590
IGARASHI M: 1603, 3699, 4192, 4212
IGE RO: 3816
IGEL H: 4093
IGNACIUK A: 365
IGNARRO LJ: 1800-1801
IGNATOVICH VF: 1802
IIZUKA R: 1803
IKEDA A: 1799
IKEDA E: 1804
IKEDA M: 1805, 3829
IKEDA T: 2874
IKEKAWA N: 3144
IKONICOFF LK DE: 1806-1807
IKRAM H: 1203
ILBERY PL: 1808
ILENDA M: 1562
ILETT KF: 2670
ILIEWA W: 2199
ILIFFE J: 2123
IL'INSKAIA EG: 3184
ILLINGWORTH DV: 1809
ILLNER F: 4292
IMAEDA T: 3836
IMAI S: 4659
IMAI T: 3082
IMAIZUMI K: 1810
IMBERT M: 4731
IMPARATO E: 1811, 3487
IMPICCIATORE M: 316
IMURA H: 2099
INABA M: 1812
INABA T: 1967
INABA Y: 1813
INADA K: 1692
INADA M: 1814
INAGAWA T: 1815
INAMA K: 1816
INAMI YH: 3451
INANO H: 4139
INATOMI T: 2874
INATSUKI B: 2668
INDIVERI F: 1817
INFELISE V: 3189
INGBAR SH: 4604
INGELMAN-SUNDBERG M: 1507
INGERMAN C: 2147
INGLIS NR: 1818
INGRAM DL: 573-574
INMAN WH: 4401

INNAMI H: 3090
INOSHITA K: 2196
INOUE T: 1819, 3893
INOUYE H: 2458
INSLER V: 2019, 4707
IOACHIM HL: 965
IOFFE SV: 4434
IONESCO B: 2794
IRBY DC: 910
IRLE C: 3616
IRTEL VON BRENNDORFF A: 1820
IRVIN GL 3D: 1821
IRVINE JL: 3290
IRVINE RO: 1439
IRVINE WJ: 211, 1822, 4261, 4344
IRVING R: 2593
IRWIN DA: 1823
ISA T: 4281
ISAEV VG: 1105
ISENBERG JI: 1824
ISHI K: 3893
ISHIZUKA N: 1825-1826
ISIDORI A: 1827
ISLAM MS: 1828-1829
ISLAND DP: 3132
ISMAILOV EM: 1830
ISMAILOVA SA: 1831
ISMAN H: 3497
ISODA K: 1849
ISOMURA N: 3881
ISONO H: 1832
ISOUN T: 1833
ISPIZUA A: 1133
ISRAEL R: 2822
ISURUGI K: 4178
ITAKURA H: 1834
ITAKURA N: 1739
ITELSON I: 1835
ITO H: 1836, 2945
ITO J: 1837
ITO M: 1838-1839, 3102, 4653
ITO S: 1840
ITO Z: 1841
IUDAEV NA: 1842-1843
IUDENICH ON: 271
IUGINA AD: 1844
IUNISOV EV: 2738
IURKOV IUA: 659
IVANOV II: 1845
IWAI S: 4303
IWAMASA T: 1846
IWANAGA Y: 1799
IWASAWA Y: 1847-1848
IWASE S: 1849
IWATA M: 1850
IWATA S: 1851
IWATA T: 2977
IWATSUKI K: 4700
IWATSUKI N: 1852

J

JAANUS SD: 2635, 3599
JABARA AG: 1853
JABOUBEK B: 2327
JACKER HJ: 1854
JACKIM E: 1855
JACKLER I: 4056
JACKNOWITZ A: 1336
JACKSON AD: 1558
JACKSON CM: 1858
JACKSON DM: 1856
JACKSON GL: 1857
JACKSON H: 1858
JACKSON J JR: 4257
JACKSON RT: 1859
JACKSON WP: 1072, 3631
JACOB C: 2588
JACOBI J: 2472
JACOBS HS: 1860
JACOBS LS: 3295, 3989
JACOBSON M 729
JADOUL P: 1861
JAFFE BM 1658, 1862-1863
JAFFE NS 1864
JAFFE RA 1236
JAFFE RB 3988
JAFFIOL C 1865
JAGGER PI 1866
JAGIELLO G 2805
JAGIELLO GM: 1867
JAGWE JG: 586
JAHN P: 2480, 2495
JAHNE H: 4040
JAIN SK: 1236, 1404
JAISLE F: 1868
JAKOWICKI J: 1869
JAKSINA S: 1449
JAMES AE: 181, 1353
JAMES AE JR: 3085
JAMES DG: 1870
JAMES J: 606
JAN JE: 1871
JANDA J: 1872
JANECZKO J: 1873
JANG M: 939
JANIC V: 3274
JANIGER O: 2634
JANIS RA: 1874
JANISCH H: 1875
JANKOVICH JP: 1876
JANSEN W: 2317
JANSKY L: 1877
JANUKOWICZ-LORENZ H: 2492
JANULA J: 1878
JANUS S: 985
JANUSZEWICZ W: 4603
JAO W: 1879
JARD S: 387
JARDON-JEGHERS C: 1178
JARVIK LF: 1880
JARVINEN PA: 1881, 4676
JASMIN G: 2689
JASTORFF B: 2179, 2601
JAVID JP: 2291
JAWORSKI A: 3810
JAY AW: 1882
JAYLE MF: 28, 1883, 3705
JEAN C: 1884-1885
JEANJEAN Y: 4312
JEANMART L: 191, 1886
JEAVONS PM: 1887
JEDRZEJCZAK W: 1888
JEEJEEBHOY KN: 1579, 1889
JEFFCOATE SL: 1352, 1890
JEFFERY WH: 1891
JEITLES GG JR: 2808
JELINEK R: 966
JELLINCK PH: 2532
JENDRICKE K: 146
JENKINS D: 939
JENKINS DH: 1892
JENKINS ME: 1192
JENKINS MV 1893
JENKS TA: 791
JENNINGS DB: 3288
JENNINGS DP: 1612-1613
JENNINGS RB: 1228
JENNRICH R: 8
JENNY M: 1894
JENSEN EV: 1895
JENSEN KB: 197
JENTSCH E: 1619-1620, 1896
JEPSON JH: 1431, 1532, 1897-1898
JEQUIER AM: 1899
JEQUIER E: 1900
JESSOP JD: 1901, 4400
JESSOP S: 3731
JESSUP SJ: 3860
JETTMAR A: 3137
JEWETT DL: 3763
JEWETT RE: 4064
JIANG NS: 4091
JILEK B: 1385
JIMENEZ JP: 377
JINGU K: 1902
JIRASEK JE: 1903
JIRICKA Z: 4141
JOAKIMOFF S: 971
JOB JC: 634-635, 1904-1906
JOCHLE W: 1325, 1907, 2311
JOFFE BI: 1908
JOFFE JM: 1909
JOFRE DE BREYER IJ: 1910
JOHANSSON ED: 2667, 3634
JOHENNING PW: 1911
JOHL A: 90
JOHN ER: 223
JOHNE H: 35
JOHNSON AG: 1912
JOHNSON BA: 3085
JOHNSON BE: 1913
JOHNSON CM: 3970
JOHNSON DB: 855
JOHNSON DG: 1914
JOHNSON DJ: 939
JOHNSON DR: 1787
JOHNSON DW: 720
JOHNSON GA: 1915
JOHNSON GE: 1967
JOHNSON GW: 1916
JOHNSON JA: 1433
JOHNSON JC: 1917
JOHNSON JH: 1918
JOHNSON JM: 1919, 3813
JOHNSON JR: 1920
JOHNSON M: 175, 1921
JOHNSON RC: 1922
JOHNSTON CI: 3294
JOHNSTON I: 1923
JOHRI MB: 3708
JOHSON KH: 3103
JOINER PD: 1924
JOLLY RD: 1925
JONAS H: 1383
JONAS HA: 3649
JONASON J: 63
JONAT W: 1926
JONCAS J: 1927
JONES BE: 1928
JONES CT: 1929
JONES DG: 3520
JONES EE: 2974
JONES EL: 1930
JONES GE: 439
JONES GS: 4531-4533
JONES JB: 1931
JONES JJ: 4482
JONES MB 3493
JONES MT: 1932
JONES P: 1858
JONES RA: 1933
JONES RB: 1934
JONES RL: 195
JONES RS: 1935
JONES S: 1085
JONG W DE: 4219
JONGE GA DE: 1936
JONSON G: 2526
JONSSON G: 835, 1937
JONSSON J: 1938
JOOSTEN EM: 2194
JOPLIN GF: 527, 4618
JORDAN LM: 1234
JORDE W: 1939-1940
JORGENSEN CB: 1941
JORGENSEN EC: 1942
JORGENSEN F: 197
JORGENSEN H: 1943
JORGENSEN HE: 197
JORGENSEN HP: 4005
JORGENSEN JB: 1637
JORGENSEN JV: 1944
JORGENSEN NA: 3111-3112
JORI A: 1945
JORI GP: 3267
JOSEPH F: 3970
JOSEPH K: 1005, 1327-1328, 2585-2586
JOSIFKO M: 4006
JOSIFKO M: 4007
JOSIPOVIC DB: 1946
JOSLIN CA: 1469
JOSLYN WD: 1947, 4463
JOSS EE: 418-419
JOSS JM: 1948-1949
JOSSO N: 1950, 3587
JOST A: 1951
JOUAN P: 636
JOUNELA AJ: 2706
JOURDAN F: 1952
JOUVENAZ GH: 1953
JOUVET M: 1928
JOUVINROUX P: 4387
JOVANOVIC M: 3933
JUBIZ W: 1954
JUCHAU MR: 1955
JUDGE JF: 2341
JUDKINS GR: 999
JUHASZ B: 1956
JUILLARD MT: 1957

JUKES C: 1439
JULLIEN JL: 1958
JULLIENNE A: 2900
JUMAWAN J: 2162
JUNG G: 4422
JUNGBLUT PW: 2461, 4449
JUNGE U: 2911
JUNGMANNOVA C: 1600
JUNSTAD M: 1959
JUORIO AV: 1268, 1960
JURASEK L: 1961
JURGENSEN O: 3536, 4208
JURKOWSKI A: 1962
JURMAND SH: 1963
JUS A: 4413
JUST HJ: 941
JUTTING G: 208

K

KABANOV MM: 1964
KABRAWALA VN: 1965
KACHI H: 1966
KACHI T: 1966
KADAR D: 1967
KADLAS M: 3052
KADOSHCHUK TA: 2994
KADOWAKI M: 4321-4322
KADZIELAWA K: 1968
KAGEYAMA N: 3696
KAHLER SG: 2457
KAHLSON G: 1448
KAHN A: 1969
KAHN CR: 1392, 1418
KAHN LB: 3054
KAHN MF: 1970, 3622
KAHN RA: 1971
KAIHOLA HL: 809
KAISER E: 2476
KAISER G: 3386
KAISER H: 1505
KAJANOJA P: 3837
KAJIMOTO S: 2830
KAKOLEWSKI JW: 1823
KALBE I: 2437
KAL'CHENKO II: 1972
KALDERON AE: 1973
KALEF M: 4704
KALEJS L: 4536
KALES A: 3600
KALIMI M: 247, 1974
KALINER M: 4104
KALININ AP: 1975
KALIUZHNYI IT: 1976
KALLELA K: 1977-1979
KALOW W: 1967
KALRA SP: 1980-1981
KALSNER S: 1982-1983
KALTENBACH JC: 1249
KAMAR GA: 119
KAMARYT J: 4439
KAMATA K: 1812
KAMATH SA: 1984
KAMBER B: 90
KAMIJYO K: 1985
KAMMEYER CW: 564
KAN J: 3121
KANAYAMA Y: 1986
KANAZAWA K: 4185
KANAZAWA S: 4263
KANDIL E: 1987
KANDIL O: 120
KANE-MAGUIRE B: 3904
KANEDA K: 1988
KANEKO T: 1989, 4735
KANENGONI E: 4482
KANEYUKI T: 2195
KANGAS J: 1990
KANO-SUEOKA T: 1991
KANSKI M: 1962
KANTAMANENI BD: 820
KANYAMA H: 1992
KAO LW: 2974
KAPITOLA J: 1993
KAPLAN E: 1664
KAPLAN EL: 1363, 1863
KAPLAN G: 3596
KAPLAN HG: 1994
KAPLAN SD: 1995
KAPLAN SL: 2033
KAPLANIS JN: 1279
KAPOOR JN: 3997
KAPPELER M: 258
KARADZOV O: 1996
KARAIETIAN IS: 2301
KARAM JH: 1331
KARAVOLAS HJ: 3531
KARCHER KH: 3502
KARCHMER S: 1997
KARCZEWSKA Z: 2117
KARG F: 1998
KARG H: 1709-1710
KARGER T: 1999
KARIHER DH: 2000
KARIM SM: 330, 1288, 2001
KARK AE: 3192
KARKI NT: 3246
KARKUN T: 3356
KARL HJ: 1067, 3405
KARPPANEN H: 130, 1622, 2002
KARSCH FJ: 2003, 4509
KARSKI T: 4623
KASAB'IAN SS: 2004
KASAI K: 3881
KASAI M: 2174
KASATKINA EP: 4385
KASAVINA BS: 2005-2006
KASER H: 2007
KASHGARIAN M: 954
KASPAROV AA: 4705
KASPERLIK-ZALUSKA A: 2008
KASSARICH J: 3571
KASTIN AJ: 1544, 2953
KASUYA Y: 2009
KATAGIRI T: 2010
KATARAJAN TK: 181
KATAYAMA J: 1902
KATAYAMA T: 2011
KATAYAMA Y: 3706-3707
KATIUKHIN VN: 2315
KATO D: 2012, 3829
KATO H: 3638
KATO R: 1837
KATO T: 2699
KATO Y: 2013
KATONGOLE CB: 2014
KATSU M: 1410
KATSUKI S: 2015
KATSUMOTO K: 3893
KATSURA Y: 2016
KATSUTA S: 4688
KATZ AI: 1051, 1363
KATZ AM: 2017-2018
KATZ FH: 3339-3340
KATZ M: 2019
KATZY R: 4389
KAUFFMAN RE: 2020
KAUFMAN H: 977
KAUFMAN S: 2021, 2474
KAUFMANN W: 1605, 2222
KAULHAUSEN H: 2022
KAUPPILA A: 2023
KAUTZKY R: 1083
KAVRAKIROVA SV: 3336
KAWAKAMI M: 2024
KAWAMOTO H: 4347
KAWAMOTO I: 1819
KAWAMURA A: 1614
KAWAMURA H: 2097
KAWAMURA J: 2063
KAWAO K: 2786, 4658
KAWASAKI M: 4183
KAWASHIMA Y: 3090
KAY GH: 1703
KAY MJ: 1610
KAYAMORI Y: 4655
KAYE AM: 2025
KAYE JS: 2570
KAZACHENOK VM: 2026
KAZANDJIAN M: 1199
KAZAWA Y: 1814
KAZEEV KN: 2046, 4725
KAZNER E: 1729
KAZZAZ BA: 2027
KE PJ: 2028
KEBABIAN JW: 1459
KEELEY CD: 2029
KEENAN J: 4563
KEENAN TW: 3312
KEHYAYAN E: 571
KEIGHLEY MR: 2030
KEIRNS JJ: 2228
KEIRSE MJ: 2031
KEISER HR: 143, 242
KEITH DG: 1016
KEITH IC: 2032
KEKRE MS: 4222
KEKWICK RG: 1673
KELCH RP: 2033
KELLERMANN D: 2726
KELLEY PM: 2034
KELLEY WN: 1721, 2544
KELLY DF: 2035
KELLY JP: 2030
KELLY MT: 2036
KELLY WG: 3321
KEM DC: 2037
KEMINGER K: 903
KEMP BE: 2038
KEMPE LG: 2140
KEMPERDICK H: 2039
KENDALL FM: 3011
KENDALL JW: 60
KENDALL JZ: 999
KENDALL SB: 523
KENDALL-TAYLOR P: 2040
KENIG-WAKSHAL R: 3437
KENNAN AL: 3692
KENNEDY JF: 2041
KENNEY FM: 4388
KENNEY RM: 2042
KENNY AD: 828, 3455
KENT JL: 721
KENYON CJ: 2035
KERAMIDAS GD: 2043
KERCKHAERT JA: 2044
KEREN D: 3659
KERESZTI J: 2302
KERN BB: 3983
KERNBAUM S: 229
KEROVA AN: 2045
KERR AA: 1813
KERRENEUR JM: 3371
KERSHNAR AK: 3540
KERSTEN W: 1940
KERTSMAN VI: 2046
KESSLER E: 2047
KESSOUS A: 1485
KESZTELE V: 2048
KETELBANT-BALASSE P: 2049
KETTYLE CN: 4058
KEULEN CJ VAN: 2050
KEZDI M: 2051
KEZUKA M: 2052
KHACHKAVANKTSIIAN AS: 4419
KHAIRUDDIN Y: 640
KHAKIMOVA FM: 2053
KHALETSKII ME: 2054
KHAN MH: 2055
KHAN OG: 2776
KHANDEKAR JD: 1303
KHARKEVICH NG: 2056
EL-KHATIB SM: 2057
KHOKHAR SA: 2058
KHOO SK: 2059
KHUDR G: 2060-2061
KHUZHAMBERDIEV M: 1428
KIDD C: 2032
KIDDY CA: 1496
KIDO R: 3041
KIELY ML: 2062
KIERSTEAD RW: 1509
KIESSLING WR: 3585
KIJIMA K: 2063
KIKARA K: 4166
KIKAWA M: 2064
KIKAWADA R: 2668
KIKUCHI G: 4682
KIKUCHI T: 3881
KIKUYAMA S: 2065
KILBEY MM: 2066
KILCOYNE AG: 2067
KILEY N: 1423
KILIAN M: 2068
KILLICK SW: 1960
KILNO DR: 1298
KIM EG: 1915
KIM JK: 697
KIM MH: 1001
KIM S: 2069

KIM SK: 4498
KIMBALL HR: 4611
KIMBAROVSKAIA EM: 2070
KIMBERG DV: 1118, 4465
KIMBROUGH RD: 1273
KIMOTO T: 2195
KIMURA F: 2024
KIMURA G: 2071
KIMURA H: 1819
KIMURA N: 3133
KIMURA R: 3147
KIMURA S: 2072
KIMURA T: 1590, 4198
KINCAID-SMITH P: 2073
KIND R: 2074
KINET M: 4505
KING AG: 2075
KING BM: 2076
KING M: 2077
KING RC: 1918
KING RJ: 4216
KINLOCH NE: 136
KINOSHITA F: 2078-2082, 2244
KINOSHITA K: 1714, 2083, 4178
KINOSHITA M: 3693
KINOUCHI T: 2084
KINSCHERF DA: 1139
KINSELLA JE: 2085, 2547
KINSKY I: 2074
KIOSSOGLOU K: 4737
KIRBY SM: 3575
KIRCHER E: 158
KIRDANI RY: 2086, 4380
KIRK JA: 1775
KIRKHAM KE: 1822
KIRKLAND JL: 2087-2088
KIRKLAND RT: 2087-2088
KIRKPATRICK FH: 2089-2090
KIRKSEY A: 4162
KIRLEY S: 1818
KIRMSE L: 2091
KIRNAKOVA J: 1771
KIRPEKAR SM: 4454
KIRSCHBAUM B: 389
KIRSCHNER AS: 2092
KIRSCHNER MA: 2093
KIRSNER AB: 701
KIRSTAEDTER HJ: 2094
KIRTON KT: 4456
KISCHER CW: 2095
KISHIMOTO T: 4
KISIEL M: 4739
KISSEBAH A: 1232
KISSING J: 3420
KISTNER R: 1744
KITA K: 2052
KITABATAKE T: 1564
KITAGAWA H: 3080
KITAGAWA T: 3882
KITAHARA K: 2011
KITAHARA T: 3884
KITAI ST: 879
KITAMURA S: 2096
KITAO T: 2097
KITAU MJ: 1022
KITAURA K: 1841
KITE JH JR: 3564, 4131
KITSIKIS A: 2098
KITTINGER GW: 245
KITTOK RJ: 473
KIYONO Y: 2099
KIZER S: 38
KJESSLER B: 3678
KLAEVEMAN HL: 1299
KLASCHKA F: 409
KLASEN K: 2100
KLAUSMEIER KG: 2101
KLAWANS HL: 2102
KLAWANS HL JR: 2103
KLEEBERG UR: 280
KLEIN D: 2104
KLEIN RE: 3654
KLEIN SM: 2105
KLEINSMITH LJ: 2106
KLEMENS UH: 2502
KLEMM N: 2107
KLEMM W: 4036
KLEPIKOV FA: 2108
KLEPPING C: 2109
KLEPSCH I: 2110
KLESSEN C: 2111
KLETTER G: 2112
KLEY HK: 2113-2115, 3022
KLEY KH: 4556
KLIAGINA VP: 2675, 3808
KLIGMAN AM: 2648, 2809
KLIMEK R: 2116
KLIMIUK L: 2117
KLINGE E: 130
KLINGER G: 1630
KLINGER M: 2267
KLODIN V: 1880
KLOPPER A: 2118
KLOTZ HP: 2119
KLYKOV NV: 2120
KNAACK J: 249
KNAB DR: 1359
KNAPP G: 2121
KNAPP R: 3126
KNEEN B: 1775
KNIEWALD Z: 2637
KNIGGE KM: 3919
KNIGHT AG: 2122
KNIGHT BL: 2123
KNIGHT GW: 999
KNIGHTS EB: 2124
KNIPP I: 930
KNITTLE JL: 1361
KNOBIL E: 2003, 4509
KNOEPP LF JR: 2125
KNOKE M: 2200
KNOPF RF: 2126
KNOPP W: 2766
KNORR D: 2127
KNORR J: 2409
KNORRE AG: 3833
KNOUSS RF: 132
KNOWLER JT: 2128
KNOX FG: 2129-2130
KNOX GV: 2131
KNOX WE: 1373
KNUPPEN R: 193, 1313, 1731
KNUTSON PA: 66
KO KC: 2132
KOAMI E: 4646
KOB D: 127
KOBATAKE K: 2133
KOBAYASHI F: 2134
KOBAYASHI I: 318, 2135, 4274
KOBAYASHI J: 2136
KOBAYASHI K: 3162
KOBAYASHI M: 2962
KOBAYASHI R: 3069
KOBAYASHI S: 2137
KOBAYASHI T: 2138, 2965
KOBBERLING J: 2911-2913
KOBIERSKI W: 4597
KOBLET H: 2139
KOBOR G: 2302
KOBRINE AI: 2140-2141
KOBYLINSKI S: 2142
KOCH B: 2143
KOCH HR: 2144
KOCH Y: 4294
KOCH-WESER J: 1457, 2145
KOCHENOUR N: 1064
KOCHER W: 4220
KOCHMAN MC: 2146
KOCHMAN RC: 2146
KOCSIS JD: 879
KOCSIS JJ: 2147
KOCSIS K: 2326
KODA E: 2081
KODAMA M: 2148
KODICEK E: 212, 618
KOEDA T: 2149-2151
KOEPKE KR: 4558
KOEPPE RE: 2939
KOERING MJ: 2152
KOERKER DT: 1417
KOFMAN J: 498
KOFOED JA: 2153-2154
KOGAN AKH: 2155
KOGAN LM: 2349
KOGUT MD: 759
KOH C: 559
KOHLER H: 542
KOHLER K: 2156
KOHLER U: 2139
KOHN DH: 2157
KOHN HJ: 2158
KOHN LD: 4589
KOHNEN PW: 623
KOIKE M: 4331
KOIZUMI S: 4619
KOJIMA K: 2052
KOJIMA M: 2159
KOK GL: 1780
KOKOSHCHUK GI: 2160
KOLAKOWSKA-POLUBIEC K: 2339
KOLAKOWSKI L: 2339
KOLB E: 2161
KOLDOVSKY O: 2162
KOLEBINOV N: 4304
KOLERKO FM: 2054
KOLESNIKOVA GS: 36
KOLETSKY S: 2163
KOLIBABA LG: 4555
KOLLER PC: 2164
KOLLMANN F: 327
KOLLMANNSBERGER A: 1729
KOLODINA LN: 2165
KOLODZIEJCZYK J: 2166
KOLOGLU LB: 2167
KOLOGLU S: 2167
KOLOMIN LV: 1842
KOLOSOVA LI: 267
KOLPAKOV MG: 2168
KOLTAY E: 4098
KOMAI T: 2172
KOMARNICKA R: 2169
KOMATSU F: 1264
KOMATSU T: 3092
KOMENDER J: 2170
KOMINE Y: 4178
KOMISARUK BR: 2171
KOMIYA I: 2172
KONARZEWSKI J: 4600
KONDA C: 3884
KONDO M: 2173-2174
KONDRAT'EVA ZA: 4383
KONES RJ: 2175-2176
KONIG A: 1046, 1050, 2177
KONIG J: 448
KONIG W: 3674, 4422
KONIJN TM: 2178-2179
KONINGSMARK BW: 304
KONISHI M: 2180
KONNO N: 2181
KONOPKA P: 2182
KONRADI LI: 2165
KONSTAM M: 247
KONTUREK SJ: 257
KOOP CE: 2183
KOPECNA V: 2184
KOPECNY J: 2184
KOPIA S: 4083
KOPIN IJ: 1557
KOPP F: 2185
KOPROWSKI H: 2299
KOPROWSKI JA: 2186
KOPWILLEM A: 2187
KOPYTOVA FV: 2188
KORDIC S: 2189
KORENMAN SG: 2190
KORMANO M: 3452
KORN D: 684
KORNACKI Z: 2191
KORNER AF: 2192
KORNICH H: 1998
KORSCH BM: 2193
KORTEN JJ: 2194
KORTING HJ: 3811
KOSAKA C: 2195
KOSAKA K: 2246, 2947
KOSAKI G: 2196
KOSANOVIC MV: 3188
KOSASA T: 1744
KOSENOW W: 4324
KOSHIJI Y: 2197
KOSHY KT: 868
KOSLOWSKI K: 2198
KOSOWSKI I: 2199
KOSTER I: 2200
KOSTLER H: 2227
KOSTNER G: 612
KOSUGI I: 3090
KOTANI M: 3119-3120
KOTASEK A: 1115-1116
KOTCHEN TA: 1715, 2201

KOTHARI LK: 2202
KOTHBAUER O: 2203
KOTOV AV: 4116
KOTOWICZ J: 1224
KOTTLER PD: 2204
KOTZBACH R: 2205
KOUKOULOMMATI AS: 2206
KOUNTZ SL: 281, 3658
KOURY DN: 2884
KOUTENSKA M: 1097
KOUTENSKY J: 1097
KOUTRAS DA: 2206
KOVACS K: 1303, 1750, 2207
KOVACS K: 2326
KOVACS M: 2208
KOVALEVA IG: 1105
KOVAL'ZON VM: 2328
KOVER G: 2209
KOVNAT PJ: 2210
KOWADA M: 2211
KOWAL J: 2212
KOWALSKI K: 2213
KOYA A: 3877
KOYA S: 2214
KOZLOV GI: 2215
KOZLOVSKAIA MM: 4358
KOZLOWSKI K: 2216
KOZYREV IUA: 2217
KRAFFT W: 2218, 2672
KRAFT D: 1650
KRAHENBUHL C: 350
KRAICER J: 2219
KRAINCANIC M: 3933
KRAJ M: 2008
KRAM R: 2220
KRAMER HJ: 2221
KRAMER N: 4587
KRAMER NJ: 2037
KRAML J: 3364
KRASNICKY K: 2335
KRASSIKOFF N: 1801
KRAUSE DK: 2222
KRAUSE EG: 2223, 3780
KRAUSE RR: 953
KRAUSE W: 328
KRAUSS RM: 242
KRAWCZUK A: 2224
KRAWCZYKOWA Z: 2225
KRAWIETZ W: 2657
KREBS EG: 4469
KRECEK J: 2226
KREFT U: 3723
KREIBICH H: 2227
KREINER PW: 2228
KREISLER L: 2229
KREJCZY H: 609
KREKEL H: 4441
KREKHOVA MA: 268
KREMER M: 4563
KREMLING H: 2230
KREMPIEN B: 2231, 3509, 4299
KRENGEL B: 1338
KRETZCHMAR C: 2232
KREUSSER W: 2233
KREY LC: 1093, 2234-2235
KREYE VA: 940
KRIASCHEWA SS: 3551
KRIDL J: 3479
KRIEGEL H: 1734
KRIEGER MS: 3623
KRIEKENBAUM K: 1050
KRISHNAMOORTHY RV: 3392
KRISHNARAJ R: 2236
KRISS JP: 957
KRIZ J: 2237
KRIZEK V: 4006-4008
KROGSGAARD OW: 4572
KROHN KA: 2767
KROKOWSKI E: 2238
KROLL JJ: 2239
KRONENTHAL L: 679
KRONFELD DS: 1585, 2240
KROONENBERG WM: 1780
KROOVAND RL: 3256
KROPELIN K: 951
KRUCK F: 2221
KRUEGER GG: 4542
KRUEGER LJ: 437
KRUG K: 4069
KRUGER C: 724
KRULICH L: 2997
KRUM AA: 3960
KRUPKA RM: 2360
KRUSKEMPER HL: 1653-1654, 2113-2115, 2873, 3022, 4346, 4556
KRUSTALEVA GF: 3273
KRUT L: 1908
KRUTUL H: 2117
KRUYFF B DE: 2241
KRZEMINSKA-LAWKOWICZOWA: 2339
KUBATSCH B: 4727
KUBIAK-SOCHA E: 2242
KUBICZ S: 2243
KUBO A: 2244
KUBO K: 1986
KUBO M: 2245
KUBOSHIMA K: 2246
KUBOTA C: 2247
KUBOTA K: 1590
KUCHARSKA K: 2248
KUCHEL O: 1553, 3056
KUCHERENKO TA: 2165
KUCZERPA A: 898
KUCZYNSKA-SICINSKA J: 2249
KUDO S: 1263, 2250
KUDO T: 3161
KUDRIASHOV BA: 2251
KUDRIASHOV IE: 4434
KUEHL FA JR: 2252
KUEPPERS F: 441
KUGEL E: 1521
KUHL H: 2253
KUHLENCORDT F: 2254
KUHN DC: 4580
KUHN ER: 2255
KUHN HM: 3509
KUHNAU J JR: 2663
KUKARD RF: 177, 2256
KUKELKOVA A: 3220
KUKES VG: 2257
KUKOVETZ WR: 2258-2259, 3318
KUKSIS A: 1430
KUKU SB: 2260
KULHAVY M: 3815
KULIG A: 2225
KULKARNI AS: 2261
KULLAK W: 4014
KULSHRESHTHA A: 2262
KUMA K: 2879
KUMAHARA Y: 2833, 3084, 3706-3707
KUMAOKA S: 4177
KUMASAKA T: 3638
KUN L: 2263
KUNIKANE M: 2697
KUNIN AS: 2773
KUNOS G: 810
KUNTZ D: 2264
KUNTZMAN R: 729, 2959-2960
KUNUGI A: 2265-2266
KUNZE S: 2267
KUPIRVKI FP: 2268
KUPKA K: 2269
KURAHASHI M: 2270-2271
KURATA N: 2272
KURATA S: 2172
KURIHARA K: 3870
KUROBE Y: 2273
KURODA M: 4181
KURODA S: 3081, 4206
KUROKAWA H: 2965
KUROKAWA K: 467
KUROSAWA I: 1841
KURS'KII MD: 4230
KURTZ SM: 3721
KURTZMAN NA: 3542
KURZ E: 4567
KUSAKA T: 3151, 3642
KUSAKABE T: 2274
KUSAKARI K: 3628
KUSCHINSKY K: 2275
KUSS E: 948-949, 1384, 2276
KUSS R: 641
KUTAS M: 599
KUTIN SA: 3206
KUTNER SJ: 2277
KUTTER D: 2278
KUUZ AL: 4410
KUZIN MI: 2279
KUZMA JF: 2687
KUZ'MAK NI: 2280
KWAAN HC: 751
KWATENG K: 595
KYEGOMBE DB: 1227
KYOBE J: 566
KYTOMAKI O: 2281

L

LABAUGE R: 189
LABHSETWAR AP: 2282-2284
LABRIE F: 207, 2285
LA CAUZA C: 2286
LACAZE J: 2287
LACEY KA: 2288
LACHAPELLE J: 2378
LACHMAJER M: 2289
LACHMAN R: 1919, 2290
LACHMAN RS: 4122
LACHNIT U: 1330
LACKNER H: 2291
LACROIX P: 74, 2292
LACY D: 2293
LADERO QUESADA JM: 2294
LADINSKAYA LA: 2295
LADOSKY W: 1310
LADYGIN E: 2296
LAFARGE C: 4494
LAFFAY J: 747-748
LAFRENIERE R: 3943
LAFUENTI G: 2297
LAGACHE C: 3371
LAGE AL: 2298
L'AGE M: 2318
LAGERSPETZ KY: 2299
LAGRUE G: 1199
LAHODA F: 2300
LAHRTZ H: 2091
LAHRTZ HG: 4505
LAI CY: 75
LAI MF: 3661
LAITEV PI: 2301
LAJOS L: 2302
LAKE BG: 532
LAKE N: 2303
LAL S: 1086, 4397
LALLEY PM: 2304
LAM P: 2305
LAMAR C JR: 682-683
LAMBE R: 942
LAMBERT JD: 2306
LAMBERT PH: 789
LAMBERTENGHI-DELILIERS G: 2307
LAMBOTTE L: 2308
LAMBOTTE R: 2309
LAMELIN JP: 1266
LAMKI L: 2927
LAMMING GE: 792
LAMOND DR: 2310-2311
LAMOTTE M: 747-748
LAMPE M: 1385
LAMPKIN BC: 2711
LAMPL LL: 1712
LAMPRECHT SA: 2025, 4295, 4735
LAMY J: 2312
LANCET M: 1446
LAND RB: 2313
LANDAU H: 2314
LANDFELDOVA I: 2269
LANDON J: 3800
LANDYSHEVA IV: 2315
LANG R: 2316
LANGAN CJ: 1781
LANGAN TA: 2608
LANGBEIN H: 2864
LANGE WE DE: 2317
LANGER L: 1429
LANGHOLZ J: 2318
LANGLEY FA: 814, 1206
LANGLEY PE: 537
LANGLOIS M: 1331
LANGMUIR V: 4013
LANGSLET A: 3163
LANOIS B: 3340
LAPIN IP: 3662
LA PORTA E: 3303
LAPRAS C: 2319
LARA SAMANO E: 613
LARA-VIVAS L: 887
LARAGH JH: 514-515, 2320, 4386
LARBRE F: 1495

LARGE BJ: 1775
LARKINS R: 2321
LARKINS RG: 2322
LAROCHE G: 1855
LARON Z: 977
LARSEN JW: 2323
LARSEN M: 197
LARSEN PR: 12, 1146, 1397, 2324
LARSON CH: 2325
LASZLO FA: 2326
LASZLO I: 370
LAT J: 2327
LATAPIE JL: 3541
LATASH LP: 2328
LATHAM AN: 2329
LATHAM CJ: 385
LAU IF: 3644, 4632
LAUBE H: 3282
LAUER C: 1920
LAUKIENICKI A: 3137
LAUMAS KR: 3400
LAURENT C: 1006
LAURENT H: 1713
LAURENT J: 2330
LAURIA F: 2331-2332
LAURIAN C: 3482
LAURITZEN C: 2333-2334, 2370
LAVICKOVA E: 2335
LAVIEILLE J: 2366
LAVIS VR: 2336
LAVY UI: 2337
LAW B: 2338
LAWIN P: 1181
LAWINSKI M: 4155
LAWKOWICZ W: 2339
LAWLER SD: 3251
LAWRENCE W JR: 2340
LAWSON AA: 2828
LAWSON GM JR: 3449
LAWSON RC: 3403
LAWTON NF: 1011
LAX ER: 1346-1347
LAYNE P: 2341
LAZAR J: 778, 940
LAZARD L: 2342
LAZARIDOU S: 2448
LAZAROV P: 3106
LAZAROVICH VG: 2816
LAZAROVITCH I: 4000
LAZARUS L: 1012, 2343
LEACH BE: 2916
LEAF A: 2344
LEAKE CD: 2345
LEAKE LD: 2346
LEAMING AB: 2692-2693
LEANDRI M: 3929
LEARY AG: 2929
LEATHEM JH: 2762
LEATHERLAND JF: 2563
LEBEAU B: 2769
LEBEAU MC: 2347
LEBEDEV DD: 2348
LEBEDEVA ZHD: 2349
LEBEL M: 3056
LEBLANC M: 3541
LE BODIC: 761
LEBOVITZ HE: 2350
LECART C: 2351
LECHNER K: 3502
LECKIE B: 2352
LECOMTE J: 2353
LECUIRE J: 2319
LEDERER J: 2354-2355
LEDERIS K: 468-469
LEDERMAIR O: 2356
LE DOUARIN NM: 2357
LEE J: 3363
LEE JB: 2358-2359, 4365
LEE JM 181
LEE LM: 2360
LEE RS: 2361
LEE S 3300
LEE-BENITEZ D: 2362
LEEF F 3278
LEES MH 1682
LEEUWEN W VAN: 2363
LEFER AM 4018
LEFRANC G: 2364
LEGAN SJ: 2365
LEGRAIN M 641
LEGRAND JC: 1199
LEGRE J: 2366
LEGROS JJ: 1215-1216, 2367
LEHMAN RM: 2368
LEHMANN F: 825, 2369
LEHMANN H: 1651
LEHMANN JF: 1468
LEHMANN WD: 2370
LEHMPFUHL W: 2371
LEHNINGER AL: 3481
LEHOUX JG: 4194
LEIDENBERGER F: 2372
LEIDENBERGER FL: 3449
LEIGHTON PC: 2373
LEINWEBER B: 2374
LEIRSKAR J: 1627
LEISINGER HJ: 2375
LEISSRING JC: 2376
LEISTI S: 3260
LEITCH WE: 1640
LEITE MP: 1293
LEIUS VK: 1249
LEJEUNE E: 904
LEJEUNE J: 1006
LEKESOVA A: 1115-1116
LELIEVRE G: 989
LEMAIRE M: 1179
LEMAIRE V: 3619
LEMAIRE WJ: 2377
LEMAY A: 2285
LEMBURG P: 2039
LEMERCIER JP: 4236
LEMIEUX G: 2378
LEMMEN K: 3814
LEMON MJ: 332
LEMONNIER A: 2841
LENAERS PJ: 1705
LENART G: 4395
LENKO J: 2785
LENZI S: 307-308
LEON AS: 2379
LEON C: 2362
LEONARD A: 2380-2381
LEONARD CM: 3047
LEONARD MF: 2382
LEONARDELLI J: 218
LEONIDAS JC: 3604
LEONTE V: 1666
LEOPHONTE P: 2383
LEOPOLD IH: 2384
LEPPALUOTO J: 4310
LEQUIN RM: 699
LERMAN R: 2037
LEROUX GF: 2385
LESAKOVA AS: 2386
LESBROS F: 904
LESCH R: 2387
LESHEM MB: 385
LESHNER AI: 2388
LESNIAK M: 1418
LETZEN D: 3247
LEUNG BS: 2389
LEUNG PM: 2390
LEUSDEN HA VAN: 2391
LEUTHOLD U: 4636
LEVAN NE: 2401
LEVENTHAL BG: 2450
LEVENTHAL H: 3347
LEVI G: 3404
LEVIN DL: 2392
LEVIN NW: 3577
LEVIN RJ: 2393-2394
LEVIN SR: 1706
LEVIN W: 729
LEVINE L: 2395-2397, 4205
LEVINE ME: 2398
LEVINE RA: 2399
LEVINE S: 1394, 1909, 4074
LEVITAN AA: 2400
LEVY AA: 944
LEVY I: 3991
LEVY L: 1503, 2401
LEVY ST: 2402
LEVY TOLEDANO S: 3209
LEWICKI I: 232
LEWIN A: 1102
LEWIN E: 4459
LEWIS AJ: 1099, 2403-2404, 3127
LEWIS B: 4308
LEWIS DJ: 1549
LEWIS GC JR: 2405
LEWIS GP: 434
LEWIS KS: 3027
LEWIS MB: 2406
LEWIS RE: 73
LEWIS SB: 1096
LEWIS SM: 1423
LEWIS WH: 4626
LEWY P: 1879
LEY KF: 2407
LEYBOLD K: 4505
LEYDEN JJ: 2809
LEYENDECKER G: 2408, 4568
L'HERMITE A: 2364
L'HERMITE M: 3536
LI CH: 690, 1371, 2409
LIAKAS RI: 2410
LIANG T: 2411
LIAO S: 2411
LIAPINA LIA: 2251
LIAPPIS N: 2412
LIASHENKOVA SK: 2413
LIBBY PR: 2414
LIBERTI JP: 2415
LIBRIK L: 2087-2088
LIBSHITZ HI: 2416
LICHT A: 2417
LICHT P: 1604
LICHTENSTEIN LM: 1354, 2418
LICHTMAN MA: 202, 462
LICKISS JN: 172
LIDDLE GW: 3132
LIEBER MM: 2419
LIEBERMAN PH: 56
LIEBESKIND AL: 1177
LIEBHART M: 2249
LIEDBERG G: 1533
LIEGEOIS A: 2420
LIES RB: 2421
LIEVRE JA: 2422
LIFSHITZ F: 2423
LIGGINS GC: 2424
LIGON IR: 1579
LIGON PJ: 37
LILIENFELD-TOAL H VON: 2425
LILJA CG: 2426
LILLIE RD: 2427-2429
LIMA JG: 2430
LIMANOVA Z: 1698
LIMAS CJ: 2431-2432
LIN CC: 4694
LIN HS: 2463
LIN JS: 1867
LIN KY: 2210
LIN R: 4587
LIN S: 3144
LINDAHL R: 2433
LINDBERG BS: 2434
LINDBERG P: 2667
LINDEBOOM GA: 2435
LINDEMANN I: 930
LINDEMANN M: 2436
LINDENHAYN K: 1530, 2437
LINDENMEYER D: 2438, 4191
LINDER F: 2439
LINDER RE: 1273
LINDHEIMER MD: 2440
LINDINGER A: 3795
LINDLEY JD: 762
LINDMARK G: 2441
LINDNER HR: 2025, 4294-4295, 4735
LINDQUIST NG: 2442
LINDQVIST M: 576-577
LINDROS KO: 1686
LINDSAY M: 2541
LINDSAY RH: 4698
LINDSETH RE: 2443
LINDUP E: 1784
LING GM: 3943
LING KH: 1767
LING N: 1497, 3513
LINGARD J: 2444
LINGSCH C: 1163
LINKENHEIMER WH: 3073
LINNEMANN CC JR: 2445
LINSCHEID RL: 4617
LINTHICUM FH JR: 2446
LINTON AL: 174
LINZELL JL: 3233
LIPEDE AB: 796

LIPETS AI: 2447
LIPINSKI JF: 1014
LIPIRIDOU O: 2448
LIPPE BM: 2449
LIPPERT TH: 698
LIPPMAN ME: 2450
LIPSETT MB: 1660, 2451, 2724, 2832
LIPSIC T: 1766
LIPSKY A: 775
LIPTON A: 1747
LIPTON JM: 2452
LIPTON P: 2453
LIS M: 2454
LISBOA BP: 460, 2455, 3313
LISK DJ: 1508, 3637
LISK RD: 2456-2457
LISSAC J: 2769
LISSITZKY S: 251
LITTA MODIGNANI R: 2307
LITTAUER UZ: 2458
LITTERIA M: 2459
LITTLE K: 2460
LITTLE M: 2461
LITTMANN KP: 1327-1329, 2462
LITVINOVA SL: 2120
LITVITSKII PF: 2155
LITZKE F: 542
LIU FT: 2463
LIU SS: 1767
LIUBIMOVA-GERASIMOVA RM: 4708
LIUZZI A: 2464
LIVANOV MN: 2465
LIVERMORE BP: 1922
LIVINGSTON A: 1025
LIVINGSTON DM: 2419
LIVINGSTON R: 392
LIVOLSI VA: 2466-2467
LLAMAS R: 2468-2469
LLOYD CW: 2475, 4513
LLOYD GG: 800, 2470
LLOYD GH: 2471
LLOYD HM: 2472
LLOYD JL: 187
LLOYD OL: 2473
LLOYD T: 2474
LOBOTSKY J: 2475, 4513
LOCH EG: 2476
LOCKE ER: 484
LOCKETT MF: 2670
LOCKHART AN: 959
LOEFFLER JE: 3348
LOEW H: 2477
LOEW RK: 2478
LOFTS B: 2479
LOGANI KB: 3939
LOGE O: 2480, 2495
LOGSDON PJ: 706, 2481
LOH FK: 638
LOHMANN FW: 2482-2483, 3076
LOHRMANN P: 1244
LOIR M: 2736
LOISILLIER F: 4345
LOISON H: 285
LOKE YW: 2484
LOMAX P: 2131
LOMAZOVA MM: 2485
LOMBARDO T: 549
LOMMER D: 926-927
LOMMER I: 927
LOMONACO T: 2486
LOMOVSKAIA EG: 2251
LONDON DR: 160
LONERGAN M: 136
LONG GL: 215
LONG JP: 209, 646
LONG JS: 2487
LONG W: 296
LONGENECKER DE: 2488
LONGO RH: 2430
LONIGRO AJ: 2489
LOOMIS GW: 526
LOOS U: 1725, 3585
LOPEZ BOTET E: 2490
LORE JM JR: 2491
LORENC R: 321
LORENTZ WB JR: 295
LORENZ J: 2492
LORENZ-MEYER H: 2754
LORENZEN I: 197
LORENZINI R: 2493
LOREZ HP: 3492
LORIAUX L: 2093
LOSERT W: 2480, 2494-2495
LOSSNITZER K: 2496
LOUBATIERES AL: 2497
LOUBATIERES-MARIANI MM: 2497
LOUCHET E: 1367
LOUVET JP: 2498
LOVE GJ: 721
LOVELESS KJ: 2499
LOVENBERG W: 239
LOVERDE AW: 3071
LOVERIDGE N: 50
LOW H: 1587, 4537
LOW JA: 2500
LOW MD: 1871
LOW O: 2501
LOWIS OF MENAR P VON: 2502
LOWRY PJ: 3799-3800
LOYAU G: 3526
LOZSA A: 2503
LUBCKE P: 4252
LUBICZ-NAWROCKI CM: 2504-2507
LUCAS J: 761
LUCCHESI BR: 2508
LUCHI RJ: 3784
LUCIANI JM: 913
LUCK IN: 2509
LUCKE C: 2510-2511
LUDBROOK AP: 1187
LUDECKE D: 1083
LUDERITZ B: 2512
LUDERS D: 1772-1773
LUDOWIEG JJ: 3763
LUETSCHER JA: 259
LUFKIN EG: 1528
LUGARO G: 2513
LUGER A: 2514
LUGOVOI AA: 2994
LUISI M: 58, 2515, 3621
LUKE GM: 791
LUKERT BP: 2516
LUKICHEVA TI: 2279
LUKJANOVA LA: 2517
LULLMANN H: 2518
LUM RK: 2859
LUMB GA: 1703
LUNA M: 4333
LUNAAS T: 2519
LUNDBAEK K: 2520
LUNDBERG PO: 2521
LUNDGREN O: 334
LUNDHOLM L: 86
LUNDIN PM: 2522
LUNENFELD B: 2019, 4707
LUNGU AL: 2523
LUONG D: 4493
LUPASCU E: 525
LUPATTELLI L: 745
LUSCHER EF: 1266
LUST WD: 2524
LUSTENBERGER AA: 2525
LUTHMAN J: 2526
LUTON JP: 466
LUTUN H: 1906
LUTZ H: 1586, 2527
LUTZEYER W: 4231
LUX B: 4727
LYMANGROVER JR: 2528
LYNCH A: 3972
LYNCH HJ: 2529
LYNCH TJ: 2530
LYNGSET A: 2531
LYTTLE CR: 2532

M

MAAS D: 1332
MAASS H: 1027, 1926, 4607
MABRY CC: 4343
MABRY PD: 2533
MACABIES J: 457
MCADAMS AJ: 1397
MCAFEE DA: 1459
MCAFEE JG: 2589
MCALLEN MK: 1661
MACARTHUR RI: 1648
MCARTHUR WP: 2534
MACAULEY S: 2321
MACAULEY SJ: 2322
MACAVEI G: 2782
MCCAA CS: 2535
MCCAA RE: 2535
MCCAFFERTY E: 146
MACCALLUM DK: 2536
MCCANN SM: 1570, 1980-1981, 2997-2998, 3088, 4735
MCCARTY DJ: 3910
MCCAUGHEY W: 995
MCCAUGHRAN JA JR: 742
MCCHESNEY R: 1439
MACCHIA V: 4382
MCCOMAS AJ: 4342
MACCONAILL MA: 2537
MCCONKEY B: 2538
MCCORMACK CE: 2539
MCCORMICK WF: 275
MCCRACKEN JA: 2540
MCCREA RA: 879
MCCREDIE KB: 1655
MCCULLOUGH J: 3381
MCDEVITT D: 3941
MCDEVITT HO: 1242
MCDICKEN WN: 2541
MCDONALD FD: 3568
MACDONALD HN: 1416, 2542
MACDONALD I: 2543
MCDONALD IR: 4237
MCDONALD JA: 2544
MCDONALD PG: 785
MCDONALD TF: 2545
MCDONALD TJ: 2546
MCDONALD TM: 2547
MCDONALD-GIBSON RG: 2548
MCDONALD-GIBSON WJ: 2549
MCDONALD-GIBSON RG: 2549
MCDOUGALL IR: 461
MCELWAIN TJ: 763
MACERLAINE DM: 527
MCEWEN BS: 2550
MCFARLANE JE: 2551
MACFARLANE MD: 2552
MCGARRY PA: 1292
MCGARRY PC: 2553
MCGAUGHEY RW: 2554
MCGEER EG: 741, 1143
MCGEOWN MG: 2555
MCGIFF JC: 2489
MCGILL TE: 2556
MCGILVRA R: 60
MCGOVERN VJ: 1920
MACGREGOR C: 4717
MACGREGOR RR: 673
MCGUIRE J: 2557
MCGUIRE L: 2558
MCGUIRE WL: 2559
MACH B: 2560
MCHARDY-YOUNG S: 1860
MCHATTIE JD: 1579
MACHULA AI: 1479
MCILRATH DC: 869
MACINDOE JH: 2561
MCINTOSH RM: 1476
MCINTOSH WB: 1188
MCINTYRE DC: 1240
MACINTYRE I: 1277, 2321-2322
MACK B: 383
MACKAY EV: 2059
MACKAY J: 3941
MACKENNA BR: 1282
MCKENNA TJ: 2562
MCKENZIE JM: 4706
MCKENZIE M: 1397
MCKEOWN BA: 2563
MACKIE DB: 1860
MCKINNEY WT JR: 47
MCKIRDY HC: 1282
MCLAREN A: 182, 2564
MACLAREN NK: 2423
MCLAUGHLIN J: 718
MCLEAN BK: 2565
MCLEAN P: 1499
MCLEAN WM: 2566
MCLEES BD: 2567
MCLENNAN JE: 2568
MACLEOD P: 3205
MACMAHON B: 2569
MCMARTIN C: 3799-3800
MCMASTER-KAYE R: 2570
MACMILLAN DR: 2571

MACMILLAN KL: 1147
MCMURRY JF JR: 1017
MACNAB I: 556
MCNABB T: 2532
MCNATTY KP: 2572
MACNEIL AR: 2573
MCNEILL JH: 2574
MCNEILL TA: 2575
MCNEILLY AS: 1544, 2576, 3445
MACOME JC: 170
MCRAE CU: 2731
MACRAE KD: 2577
MCREYNOLDS HD: 2578
MCROBERTS JW: 288
MCVEY JT: 4257
MACVICAR J: 2954
MCWILLIAMS NB: 2711
MADDEN JW: 2579
MADDOCK J: 156
MADER C: 3204
MADERDRUT J: 8
MADILL D: 2580
MADRIGAL LS: 3540
MAEDA HR: 2581, 3827-3828
MAEDA M: 2159
MAEDA T: 3161
MAEKAWA A: 2081-2082
MAENGWYN-DAVIES GD: 1557
MAETZ J: 919
MAFFLY R: 4213
MAFTEI O: 141
MAGEE PN: 2582
MAGEE WE: 2583, 4497
MAGERLEIN BJ: 2583
MAGGIO A: 2959
MAGGIO AC: 2960
MAGNAN DE BORNIER B: 4360
MAGNET W: 894-895
MAHAFFEE D: 3498
MAHESH VB: 1286
MAHINI P: 189
MAHLER R: 2584
MAHLSTEDT J: 1327-1328, 2585-2586
MAHNKE PF: 2587-2588
MAHON DF: 2589
MAHR EA: 3524
MAHR G: 2590
MAIBACH HI: 1164
MAIER R: 90
MAIER V: 3724
MAILLARD JL: 2591
MAIN IH: 2592
MAINWARING IP: 2618
MAINWARING WI: 2593
MAITROT D: 3544
MAITY LK: 1344
MAIZEL' EP: 3273
MAIZELS JV: 1362
MAJEWSKA Z: 2594
MAJNO G: 1266, 3616
MAJOR PW: 3798
MAJUMDER PK: 2595
MAK P: 939
MAKAR DA: 2596
MAKAROV IA: 2597
MAKELA J: 1990
MAKINEN KK: 71
MAKINO T: 2598, 4680-4681
MAKLETSOVA NP: 3547
MAKMAN MH: 490
MAKSIMOVSKII IUM: 2599
MALACARNE P: 834
MALAFOSSE M: 2600
MALAISSE WJ: 1526
MALAN PG: 4119
MALCHOW D: 2601
MALCZEWSKA H: 2170
MALEEV AC: 3336
MALEK RS: 2602
MALIK KU: 2489
MALIK Z: 153
MALINAK LR: 18
MALINEK M: 2603
MALINOW MR: 1682
MALJAR L: 2604
MALKANI PK: 3400
MALKINSON AM: 2605
MALL JC: 2606
MALLASCH M: 2607, 2657
MALLET E: 3518
MALLETTE LE: 2608
MALLIKARJUNESWARA VR: 697
MALONE JF: 2609
MALTINTI G: 2610
MALYSHEVA VA: 2695
MAMBOURG A: 2611
MAMELAK M: 4213
MAMELLE JC: 1381
MAMINA VP: 2612
MANABE H: 2830
MANASSEH PK: 3093
MANASTER J: 4107
MANAUGH LC: 2389
MANCIULESCU D: 840
MANDEL MJ: 4542
MANDELL GL: 2613
MANDELLI M: 2614
MANDELLI V: 582
MANDIN H: 2615
MANEIRO PJ: 4717
MANELIS G: 2616
MANGALIK A: 2617
MANGAN FR: 2618
MANHEIMER S: 3293
MANICACCI M: 747
MANIEY J: 2619
MANIKYARAJU V: 72
MANION JC: 2400
MANIOS S: 2448
MANITIUS A: 2620
MANKU MS: 1747-1748
MANMI S: 2955
MANN D: 2621
MANN DR: 2622
MANNISTO P: 4310
MANTEGAZZA P: 582, 2919
MANTERO F: 4260
MANTSCH H: 2051
MANUEL MALACARA J: 1406
MANY N: 2417
MANYAM NV: 2623
MAPLESDEN DC: 3073
MARANON CABELLO A: 2624
MARAUD R: 4095
MARCAIS H: 2630
MARCEL R: 2625-2626
MARCEL YL: 2627
MARCH RB: 2546
MARCHENKO GP: 3894
MARCHIORO TL: 584
MARCHLEWSKA-KOJ A: 2628
MARCINIEC B: 3230
MARCON G: 1149
MARCOUX J: 2629
MARCUS PB: 4369
MARCY R: 2630
MARDAR' AI: 3868
MAREK J: 2631-2633
MARGINEANU L: 525
MARGOLESE MS: 2634
MARGOLIS RK: 2635
MARGOLIS RU: 2635
MARGOULIES M: 2636
MARIA TA: 2741
MARIANI JM JR: 147
MARIANOWSKI L: 2296
MARIC Z: 2637
MARINACCI AA: 2638
MARINO L: 1811
MARITZ JS: 1853
MARKAROVA OS: 2639
MARKESBERY WR: 1470
MARKIEWICZ L: 2778
MARKOV KHM: 2640-2641
MARKS C: 2642
MARKS F: 2643
MARKS MB: 2644
MARLAND P: 2645
MARLEY PB: 2646
MARMO E: 3636
MAROIS G: 2647
MAROIS M: 2647
MAROKO PR: 455
MARPLES RR: 2648
MARQUAND J: 2881
MARQUARDT H: 2649
MARQUIS L: 2650
MARSAC J: 2775
MARSAN C: 747-748
MARSDEN CH: 2722
MARSEN B: 3076
MARSH JM: 2377
MARSHALL IG: 2651-2652
MARSHALL JC: 2653
MARSHALL JM: 2654
MARSHALL JR: 3576, 4611
MARSHALL JS: 2655
MARSHALL LL: 2656
MARSHALL M: 2607, 2657
MARSHALL MJ: 3575
MARSHALL T: 939
MARTEL W: 2658
MARTIG J: 2659
MARTIN AL: 2661
MARTIN DC: 1649
MARTIN EC: 2660
MARTIN F: 2109
MARTIN J: 3424
MARTIN JC: 2312
MARTIN JD: 1545
MARTIN MM: 2661
MARTIN RB: 2662
MARTIN RH: 438
MARTIN TJ: 2737
MARTIN W: 2663
MARTIN ALVAREZ P: 2664
MARTIN PENASCO F: 1219
MARTIN-ZURRO A: 3664
MARTINELLI R: 3383
MARTINEZ A: 3664
MARTINEZ-MALDONADO M: 2665
MARTINSSON K: 2666-2667
MARTY-DOUBLE C: 189
MARUGO M: 1365
MARUMO F: 2668
MARUYAMA K: 2669
MARWOOD JF: 2670
MARX D: 4339
MARXMILLER RL: 3348
MARZECKI Z: 2671
MARZOTKO F: 2218, 2672
MASAKI Z: 2673-2674
MASETTI E: 3129
MASHIMO K: 2956
MASHITER K: 1146
MASIELLO O: 1134
MASLENNIKOVA TA: 2675
MASLINSKI C: 2676
MASON B: 2677
MASON DT: 2678
MASSINGHAM R: 2679
MASSOL N: 2347
MASSON G: 2118
MASSON GM: 2680-2681
MASSOUD WH: 1
MASSRY SG: 1387
MASTAGLIA FL: 2682
MASTBOOM JL: 2683
MASTRANTONIO P: 2684
MASTROBERARDINO G: 3267
MASUDA Y: 4671
MASUI Y: 2685-2686
MASUKAWA T: 2687
MASUKO K: 4653
MASUYAMA Y: 2947
MATEJ H: 2688
MATHE G: 2689
MATHENY AP JR: 2571
MATHIES H: 2690
MATHIESON DW: 1696
MATHIEU I: 2691
MATHUR RS: 2692-2694
MATLINE ESH: 2695
MATOUSEK J: 2696
MATSU M: 2697
MATSUBARA T: 2698
MATSUDA M: 1735
MATSUI A: 2955
MATSUMOTO I: 2957
MATSUMOTO K: 3034, 3136
MATSUMOTO M: 2699, 4187
MATSUMOTO S: 2965, 4189
MATSUMOTO U: 2265-2266
MATSUMOTO Y: 4178
MATSUOKA A: 2700
MATSUOKA Y: 2701
MATSUSHIMA S: 3098-3099
MATSUSHITA M: 4331
MATSUURA M: 1603
MATSUURA S: 4303

AUTHOR INDEX

MATSUYAMA SS: 1880
MATT K: 3756
MATTE R: 2702
MATTEI A: 4353
MATTEI MG: 1367
MATTEL JF: 1367
MATTER R: 2703
MATTHEW TM: 675
MATTHEWS EK: 2704-2705
MATTHEWS JR: 588
MATTILA MJ: 2706
MATTINGLY RF: 2687, 4570
MATTOON JR: 187
MATTSSON B: 2707
MATTSSON S: 2708
MATTY AJ: 142, 144
MATUSIK J: 2709
MATYSEK P: 2237, 2710
MAUER AM: 2711
MAULEON P: 2313
MAURER LH: 1010
MAURER W: 3814
MAURI C: 2712
MAURICE P: 2713
MAUSLE E: 2714
MAVLIGIT G: 1655
MAWER EB: 1683, 2516
MAXIMILIAN C: 2794
MAXON HR 3D: 2715
MAXWELL JD: 867
MAY DB: 2445
MAY J: 589, 1920
MAY V: 2422, 2716
MAYBERRY WE: 2859
MAYEDA K: 2433
MAYEKAR G: 3593
MAYER GP: 2659
MAYER H: 1620
MAYER J: 3999
MAYER-GOSTAN N: 919
MAYNARD PV: 2717-2719
MAYNE V: 2216
MAYOR G: 2375
MAZEAUD MM: 2720
MAZUREK A: 2721
MAZUROV VI: 3899
MAZZOLA G: 2513
MCKINNA JA: 3251
MEACOCK SC: 2722
MEADE L: 160
MEADOWS D: 3689
MEAKIN JW: 497
MEALEY J JR: 645
MEANS AR: 621
MEARES JD: 2472
MEBUST WK: 841
MECHANIC GL: 4284
MECHIN JC: 2723
MECKLENBURG RS: 2724, 2832
MEDALLE R: 2725
MEDAU HJ: 2726
MEDEIROS NETO GA DE: 2727
MEDNIKOV EIA: 2938
MEDNIKOVA IUS: 2188
MEEROV GI: 1964
MEERSON FZ: 2728
MEFFERT O: 2729
MEHLAN KH: 2730
MEHLMAN B: 4407
MEHLS O: 4299
MEHNERT H: 931, 1643
MEHRING M: 315
MEHTA NR: 1965
MEIER H: 4214
MEINHARD E: 2731
MEINHOF W: 2476
MEINHOLD H: 4534
MEINIEL R: 2732
MEINTS RH: 2733
MEISSNER G: 2734-2735
MEISTRICH ML: 2736
MEITES J: 4640
MEKKING P: 1705
MELAMPY RM: 1189
MELANDER S: 2441
MELBY JC: 1464
MELICK RA: 2737
MELIKOV AM: 2738
MELLET J: 2739
MELLIERE D: 803
MELLING J: 492
MELLINKOFF SM: 2740
MELNYKOVYCH G: 760
MELO JR: 2741
MELVILLE E: 2742
MEMON GN: 3895
MENA F: 1483
MENAKER L: 2743-2745
MENARD J: 756-757
MENARD J: 1199
MENARD J: 2746
MENARD RH: 1356
MENAULT M: 4312
MENDELSOHN J: 2747
MENDES EG: 2748
MENDIZOV IV: 4734
MENDLEWICZ J: 2749
MENDLOWITZ M: 882
MENDOZA CE: 2750
MENDOZA SA: 2751
MENENDEZ M: 3568
MENENDEZ FELIPE JV: 2752
MENG W: 2753, 4220
MENGE H: 2754
MENIBUS CH DE: 3587
MENJO M: 1738
MENNICKEN U: 547
MENNONA FA: 1509
MEN'SHIKOV VV: 2257
MENTZ P: 1195
MENYE PA: 2755
MENZIES R: 1091
MERCER AS: 2193
MERCERON RE: 2756
MERIMEE TJ: 2757-2758
MERIMSKY E: 4000
MERIN RG: 2759
MERINO SESMA J: 2490
MEROLA J: 750
MERRILL JP: 4104
MERRITT CG: 3896
MERRITT JH: 380
MERRY AH: 2760
MERTIN J: 3928
MERTL F: 1097, 1656
MERZ WE: 1680, 2761
MERZ WG: 2239
MERZBACH D: 3991
MESCHIA G: 24
MESERVE LA: 2762
MESSARIS G: 2763
MESSER HH: 2764-2765
MESSIHA FS: 2766
MEST HJ: 1195
METALLI P: 771
METTLER M: 8
METZ G: 2918
METZGER I: 4014
METZGER JM: 2767
METZGER M: 2688
MEULEN N VAN DER: 2768
MEUNIER P: 904, 2330, 4409
MEYER A: 2769
MEYER CC: 2770
MEYER E: 2771
MEYER HG: 2621
MEYER JS: 2772, 4517
MEYER ON: 2770
MEYER P: 233, 916, 1746
MEYER RK: 793, 2152
MEYER WL: 2773
MEYER-BURGDORF C: 2275
MEYER-BURGDORFF C: 2774
MEYRIER A: 2775
MEZA CHAVEZ L: 53
MEZINOVA NN: 2776
MIALHE C: 2143
MICAL RS: 282
MICHAELIS D: 3776
MICHALAK E: 2777-2778
MICHALSKA L: 4629
MICHELACCI M: 2779
MICHIE W: 3015, 3931
MICKAN H: 2780
MICKOVA R: 3790
MICLUTIA M: 2781
MICLUTIA M: 2782
MIDDLEDITCH BS: 2783-2784
MIDDLEMAN EA: 4333
MIDDLETON E JR: 706, 2481
MIDDLETON EJ: 1279
MIDGETT RJ: 4297
MIDGLEY AR JR: 2365, 3988
MIEKOS E: 2785
MIENO M: 2786, 3878, 4658
MIES R: 1618
MIESCHER PA: 789
MIETTINEN TA: 2787
MIGEON BR: 4052
MIGEON CJ: 304
MIGNON F: 766
MIGNON M: 403
MIGNON-CONTE M: 731
MIHALYI K: 4406
MIHASHI S: 2788
MIHAUD G: 603
MIKAMI K: 4263
MIKAT DM: 2789
MIKAT KW: 2789
MIKHAIL G: 3389
MIKHAIL Y: 2790
MIKHALKINA VG: 2641
MIKI A: 2791
MIKI T: 133-134
MIKOLAJCZYK H: 2792
MIKUNI S: 1263
MIKUTA JJ: 3389
MILBURN SE: 3240
MILCH PO: 3979
MILCOU SM: 2793-2794
MILCU SM: 2795-2796
MILGROM E: 2797
MILHAUD G: 634, 2798, 2900
MILIARESSIS E: 2799
MILKOVIC S: 2637
MILLAR DR: 4318
MILLAR JG: 1011, 4563
MILLBANK L: 2329
MILLER AA: 241
MILLER AL: 3071
MILLER DR: 2800, 4521
MILLER GC: 2801
MILLER GL: 4128
MILLER HC: 1145
MILLER HH: 2800
MILLER HJ: 2802
MILLER JJ 3D: 2803
MILLER JP: 3897
MILLER M: 2804
MILLER TB: 1016
MILLER WA: 2805
MILLER WH: 353
MILLER WJ: 2806
MILLER WL: 2583, 4497
MILLER WR: 2807
MILLIEZ P: 756, 1746, 3630
MILLIGAN JV: 2219
MILLS JA: 2808
MILLS OH JR: 2809
MILLWARD-SADLER GH: 1148
MILNE RM: 2810
MILSOM JP: 2811
MILTON PJ: 176, 3703
MINAI K: 2831
MINDEN SH VAN: 3558
MINKA AF: 2812
MINKES MS: 2813
MINNE H: 1758, 2814
MINNE MC: 2355
MINNICH JL: 956, 2815
MINTS SM: 2816
MINTZ DH: 1821
MINTZ U: 2817
MINUTO F: 1365
MIRANDA RE: 1534
MIRAVET L: 3622
MIRIMANOVA RP: 2818
MIRKHODZHAEV AKH: 2819
MIRKIN BL: 2820-2821, 3483
MIROSHNICHENKO LD: 1842
MIROUZE J: 1865
MIROUZE P: 185
MISCHKE W: 3057
MISHELL DR: 1640
MISHELL DR JR: 746
JR: 1640
MISHELL DR JR: 2822
MISHIMA I: 3166
MISHRA NK: 2823
MISHRA P: 2202

MISUSTOVA J: 1753
MISZ M: 3949
MITAL VK: 2824
MITANI H: 2825-2826
MITCH WE: 2827
MITCHELL I: 2828
MITCHELL JA: 2829
MITCHELL WM: 3132
MITEV G: 3886
MITKOKH VI: 2904
MITROVIC M: 1608
MITSUFUJI M: 2133
MITSUHASHI S: 1836, 2830
MITSUMA T: 152
MITTEMEYER BT: 175
MIURA Y: 2831
MIYABO S: 2097
MIYACHI Y: 2724, 2832
MIYAGAWA N: 3119
MIYAI K: 2833, 3706-3707
MIYAKE T: 2134, 2834, 4321-4322
MIYAMOTO Y: 2099
MIYATA K: 4322
MIYATA M: 2835
MIYAZAKI G: 2836
MIYAZAKI T: 2837, 3072, 4685-4686
MIYOSHI K: 2195
MIZUGUCHI H: 2838
MIZUNO H: 2839
MIZUNO M: 4265
MIZUTANI S: 1825
MLOTOWSKI T: 2840
MOATTI N: 2841
MOCHIZUKI M: 4263-4264
MOCSARY P: 809, 2842
MODIGH K: 2843
MOEBUS R: 1821
MOELLER JF: 59
MOERTEL CG: 869
MOGHAZY M: 1151
MOGUILEVSKY JA: 3710
MOHAMED MA: 2844
MOHIUDDIN S: 3387
MOHME-LUNDHOLM E: 86
MOHRENWEISER HW: 2845
MOHRING B: 3138
MOHRING J: 3138
MOKMOL V: 3728, 4505
MOKOL V: 3727
MOKROUSOV MS: 2846
MOLINO G: 2847-2848
MOLLER OM: 2849-2850
MOLZAHN M: 2482, 3076
MOMMAERTS WF: 2851
MOMOSE G: 1836, 2011
MOMOSE KJ: 2852
MONAHAN M: 1497
MONARD D: 2853
MONASTIRSKY RA: 4433
MONCADA S: 1138
MONCHY C DE: 2854
MONETA E: 2855
MONGAN ES: 482
MONNICKENDAM MA: 2856
MONS B: 939
MONTAGNER H: 1638, 2857
MONTAGUE W: 2858
MONTALVO JM: 2859
MONTELEONE JA: 2860-2861
MONTELEONE PL: 2861
MONTES M: 2491
MONTGOMERY WW: 2862
MONTIE JE: 4081
MONTORSI W: 2863
MONTZ R: 1619-1620, 1896, 2864, 3057
MOODY LO: 2694
MOOR A: 1575
MOORE EJ: 1491
MOORE F: 8
MOORE JW JR: 2066
MOORE MF: 44
MOORE R: 4200
MOORE RJ: 2865
MOORE RW: 2899
MOORE RY: 2866
MOORE S: 1777
MOORE WV: 2867
MOORMANN JG: 59
MORARIU M: 2868
MORARU E: 55
MORAT M: 2869
MORATO MORATO D: 4414
MOREHOUSE DD: 249
MORENO-BONETT H: 755
MORETTI A: 2870
MORGAN DB: 2871
MORGAN FJ: 2872
MORGAN IG: 1426
MORGAN RW: 4357
MORGANE PJ: 4076
MORGNER KD: 2114, 2511, 2873
MORI H: 2838, 3083, 3149-3150, 3640
MORI I: 2874
MORI J: 2875
MORI M: 1739
MORI S: 3151, 3642
MORI T: 2876
MORII H: 1986
MORIKAWA H: 2877-2878, 4264
MORIKAWA S: 2879
MORIMOTO S: 4181
MORIMOTO T: 3039
MORIN LP: 2880
MORIN M: 2881
MORIN P: 748
MORIN T: 2604
MORITA T: 2247
MORIYAMA T: 1259
MORNET P: 2881
MORRELL RM: 4108
MORRIS HB VINIK AI: 2882
MORRIS PW: 3615
MORRISON GW: 2883
MORRISON JC: 2884
MORRISON MD: 4068
MORRISON PR: 929
MORRISON WR: 2885
MORRISSETTE Y: 2886
MORSCHES B: 1724
MORSE HC: 2887
MORSIER G DE: 2888
MORSY NH: 2968
MORTENSEN E: 2889
MORTIMER CH: 1544
MORTON JJ: 2890
MORTON LF: 212
MOSCARELLO MA: 2891
MOSCOFIAN A: 196
MOSCONA AA: 3686
MOSEBACH KO: 1999, 3281
MOSELEY C: 2892
MOSELEY IF: 2660
MOSER BD: 3156
MOSER RH: 2893
MOSKALEV IUI: 4708
MOSKOWITZ J: 2932
MOSLER KH: 823
MOSS AA: 2894
MOSS MS: 982, 2895
MOSSNER G: 3280
MOSSOR-OSTROWSKA J: 2560
MOSZKOWSKI EF: 2896
MOTLIK K: 2897, 4046
MOTSAY GJ: 2898
MOTT GE: 2899
MOTTA L: 3331
MOUCHET A: 2881
MOUKHTAR MS: 2900
MOULAERT AJ: 2901
MOULIAS R: 317, 1440
MOUNGER EJ: 2902
MOUTIER R: 2903
MOZHERENKOV DP: 2904
MRHOVA O: 1872
MROCZEK WJ: 2905
MRSULJA BB: 2906-2908
MRUK K: 4161
MUCSI G: 1183
MUDD EH: 923
MUELLER WJ: 2909
MUGFORD RA: 2910
MUHLBACH R: 1530
MUHLEN A VON ZUR: 1667, 2911-2913
MUHLEN K AUS DER: 2914-2915
MUIRHEAD EE: 2916
MUIRURI KL: 1747
MUKAI K: 4198
MUKHERJEE TK: 1372
MULDER J: 1193
MULLER A: 3475, 3777
MULLER D: 2917
MULLER E: 2918, 3501
MULLER EE: 2919
MULLER H: 2920
MULLER OA: 2921
MULLER R: 1999
MULLER SA: 2922-2923
MULLER W: 2091
MULLER WA: 2924
MULLER WM: 1626
MULLEROVA M: 2925
MULLIN JG: 1509
MULROW PJ: 954, 4744
MULTER MM: 2747
MULVANEY WP: 1813
MULVIHAL M: 2882
MUNDAY KA: 1577, 2760, 2926
MUNRO DS: 2040
MUNRO IB: 1375
MUNRO RE: 2927
MUNRO-NEVILLE A: 3354
MUNSHI SR: 2928
MUNSTER AM: 2929
MUNT PW: 2930
MURAKAMI M: 4181, 4700
MURAKAMI N: 1837
MURAKAMI S: 2830
MURAMOTO E: 1804
MURANO T: 4671
MURAO H: 1837
MURAV'EVA NI: 3857
MURAVIEVA TV: 4705
MURESAN L: 2051
MURILLO DELGADO J: 70
MURPHY DJ: 2931
MURPHY DL: 630, 2932
MURPHY FA: 2933
MURPHY G: 2934
MURPHY GP: 4380
MURPHY JF: 2935
MURPHY S: 1432
MURRAY AW: 2038
MURRAY LG: 136
MURRAY-LYON IM: 820
MURSKIKH AP: 2936
MURTHY MS: 2937
MURTI CR: 4032
MURTON RK: 2479
MUSAEV IAM: 2938
MUSEY P: 2086
MUSHAHWAR IK: 2939
MUSIALOWICZ T: 2243
MUSSO D: 228
MUSSO R: 549
MUSZBEK L: 804
MUTHIAH V: 1145
MUTO Y: 3979
MUZYKANT LI: 2045
MWALUKO GM: 1209
MYERS RD: 4647
MYKING A: 1176
MYLES AB: 2940
MYTILINEOU C: 1621

N

NABARRO JD: 1011
NABET P: 1315, 1582
NADKARNI GS: 2941
NADKARNI VB: 3635
NADLER HL: 2942
NAEF AP: 2943
NAFTOLIN F: 2014
NAGAI H: 2944
NAGAI K: 4115
NAGAKI D: 3029
NAGAKURA T: 4271
NAGANO C: 4123
NAGANO H: 2945
NAGASAWA H: 2946, 4661-4662
NAGASE Y: 2265-2266
NAGATA T: 4001
NAGATAKI S: 2947
NAGAYO T: 4653
NAGAYOSHI C: 1846
NAGL F: 2356
NAGL W: 2948
NAGLE CA: 3131
NAGLE WA: 2949
NAGY T: 809

NAHORSKI SR: 2950
NAHOUL K: 3759
NAHRIG G: 2951
NAIK GG: 675
NAIR KG: 2952
NAIR RM: 2953
NAIR TB: 3417
NAISMITH WC: 2954
NAJARIAN JS: 4267
NAJJAR VA: 730, 2341
NAKABAYASHI H: 2955
NAKACHE JP: 1199
NAKAGAWA H: 4115
NAKAGAWA K: 2956
NAKAJIMA H: 2957, 3025
NAKAJIMA K: 1253-1256
NAKAJIMA T: 1257, 4186
NAKAMURA K: 2958-2960
NAKAMURA M: 2961-2963
NAKAMURA RM: 746, 3451
NAKAMURA S: 3294
NAKAMURA T: 2964
NAKAMURA Y: 2965, 4274
NAKANISHI M: 2966
NAKANISHI S: 2967
NAKANO J: 2968
NAKANO KK: 2969
NAKANO R: 4265
NAKASHIKIRYO K: 2081-2082
NAKASHIMA K: 3162
NAKASHIMA M: 2970
NAKATA Y: 122
NAKAYAMA I: 2971
NAKAYAMA K: 4183
NAKAYAMA T: 2972
NAKAZAWA N: 2963
NAKAZAWA T: 2082
NALBANDOV AV: 2973-2974
NALEPA SD: 3992
NALLAR R: 2975
NAMBA S: 3098-3099
NAMBARA T: 2976-2977
NAMIKI A: 4174, 4176
NANAVATI AN: 906
NANBA H: 2978
NANBU S: 2979
NARITA O: 1825
NARS PW: 1791
NASEMANN T: 2980
NASH AG: 2981
NASHOLD BS JR: 2982
NATALE R: 174
NATHANIELSZ PW: 5, 3978
NAUGHTON MA: 24
NAUGOL'NYKH EZ: 2983
NAUMAN A: 2984
NAUMAN J: 2984
NAUMANN D'ALNONCOURT C: 2512
NAUMENKO EV: 3337
NAVA Y SANCHEZ R: 2985
NAVAR LG: 165
NAVIA JM: 2743-2745
NAYLER WG: 2986
NAYLOR AF: 2987
NAZAROVA GG: 2988
NAZER J: 2989
N'DIAYE-BUISSON F: 1437
NEAL GE: 2990-2991
NEAL MJ: 1576
NEBERT DW: 2992
NEBLETT M: 2608
NECHAEVA ID: 2993
NECHAUD B DE: 4345
NECHIPORENKO FP: 1972
NECHIPORUK VM: 2994
NEEDLEMAN P: 2813
NEFF JM: 2995
NEGORO H: 2996
NEGRETE VF: 2193
NEGRO-VILAR A: 2997-2998
NEGUERUELA J: 693
NEINAS FW: 2999
NELLANS HN: 3000
NELP WB: 899
NELSON DH: 3561, 3606
NELSON JF: 770
NELSON JS: 3001
NELSON MM: 1190
NELSON PG: 3232
NEMEC J: 3912, 4712
NEMETH S: 3002-3003
NERI R: 2515
NERI V: 3004-3005
NESOM MG: 1462
NESTEL PJ: 3006
NETTER A: 1427
NETTER KJ: 297
NETTO IC: 227
NEUBAUER M: 894-895
NEUFELD AH: 353, 3007
NEUGEBAUER R: 1328
NEUHOFF V: 3135
NEUMANN F: 1588-1589, 3031
NEUMANN I: 3776
NEUMANN PA: 2034
NEURAND K: 1749
NEUSTEIN HB: 3008
NEUWIRTH E: 2335
NEUWIRTH J: 4047
NEVE P: 2049
NEVILLE AM: 3352-3353, 3490
NEVILLE DM JR: 1392, 1418
NEVSIMAL O: 3582
NEW PF: 2852
NEWBOLD RP: 4309
NEWLING P: 4518
NEWMAN FA: 4102
NEWMAN L: 1632
NEWTON DA: 45
NEWTON WT: 3009
NEY RL: 3498
NEYFAKH EA: 1428
NEYKOVA N: 3886
NEZHDANOV AG: 647
NGOMA Z: 1595
NGUYEN-MORERE MC: 3010
NICAISE G: 1952
NICHINI FM: 3011
NICHOLLS DM: 1368
NICHOLLS TJ: 3012
NICHOLS CE: 3013
NICHOLS DE: 209, 646
NICHOLSON BL: 3304
NICHOLSON WE: 3132, 4484
NICKERSON PA: 2971, 3014
NICOL AG: 3015, 3931
NICOLAESCU T: 3016
NICOLAS F: 3017
NICOLAS JC: 3018
NICOLAU G: 2523
NICOLAU W: 1804
NICOLL CS: 1604
NICOLL P: 4546
NICOLOPOULOS D: 4737
NICOTERA M: 3621
NICOTINA PA: 2286
NIELSEN E: 3019
NIELSEN J: 3020-3021
NIEMI M: 3611
NIEMINEN LS: 71
NIEMIRO R: 4629
NIEMYSKI W: 4623
NIENSTEDT W: 1583
NIERLE C: 3724
NIESCHIAG E: 2093
NIESCHLAG E: 3022, 4346
NIEUW AMERONGEN A VAN: 3023
NIEWIAROWSKI S: 3024
NIGAWARA K: 1263
NIGULIANU VI: 4736
NIHEI A: 4659
NIIMI H: 3025
NIKITOVITCH-WINER MB: 2565
NIKKILA EA: 3255
NIKOLAEV OV: 3026, 4801
NIKOLAICZUK N: 898
NIKULIN VV: 2599
NILLIUS SJ: 3277, 4551
NILSSON BA: 2434, 2441
NILSSON K: 86
NIMI H: 2957
NINA M: 2246
NINO PE: 3027
NISHI N: 3638
NISHIDA M: 2245
NISHIHARA H: 1735
NISHIJIMA H: 3028
NISHIMOTO H: 4265
NISHIMURA T: 3029
NISHINO H: 3030, 4671
NISHINO M: 3041
NISHINO Y: 3031
NISHIYAMA S: 3032
NISHIYAMA W: 3033
NISHIZAWA Y: 3039
NISHIZUKA Y: 3034
NISSEN G: 3035
NISWENDER GD: 3036, 4026
NITISHINSKAIA DA: 3952
NITOI M: 1159
NOACCO C: 1331
NOBLE AR: 1577
NOBLE EP: 3903
NOBUNAGA T: 4661
NOCENTI MR: 3037
NOCKE W: 2408, 4568
NOCKE-FINCK L: 465, 3038
NODA K: 2724
NODA S: 3039
NOEL-DULIEU M: 3040
NOGUCHI T: 3041
NOKUBO M: 2976
NOLA E: 3902-3903
NOLDNER H: 3042
NOLLEN PM: 2892
NOLLEY D: 4492
NOLLEY DA: 3043
NOLTE J: 3044
NOMURA A: 3045
NOMURA T: 3046
NOMURA Y: 4322
NORBERG CL: 1789
NORD E: 303
NORDEN H: 3728
NORDEN HJ: 3727
NORDLING S: 82
NORDMANN JJ: 974
NORDSKOG AW: 470
NORGREN R: 3047
NORIN T: 4464
NORLAND JF: 4028, 4571
NORMAN AW: 467, 4297-4298
NORMAN RL: 3048, 4027
NORRIS AD: 3049
NORRIS SH: 1879
NORSTROM A: 3050
NOSCHEL H: 4288
NOTARGIACOMO AV: 2432
NOTERMAN J: 191
NOTO M: 2955
NOUEL JP: 3051
NOUSIAINEN R: 2281
NOUZA K: 2925
NOVAK F: 3052
NOVAK L: 1753
NOVAKOVA V: 2226
NOVELLI GP: 3053
NOVIKOVA TE: 1843
NOVIS BH: 3054
NOVY MJ: 3055
NOWACZYNSKI W: 3056
NOWAK J: 967
NOWAKOWSKI H: 889, 1083, 3057, 3560
NOWELL NW: 1934
NOWINSKI A: 4597
NOWOSAD K: 3058
NOZAKI K: 3039
NOZAKI Y: 3059
NOZU K: 3060
NUGENT CA: 2037
NUGENT DW: 723
NUGENT GR: 616
NUGTEREN DH: 1953
NUMANO F: 3061
NUNEZ E: 3705
NUNEZ J: 3228
NUSSBERGER J: 3062
NUTTER DO: 3063
NUZZACI G: 3064
NYHAN WL: 179, 3065
NYHUS LM: 3628
NYLANDER PP: 3066
NYLEN U: 1500-1501

O

O SK: 3067
OAKLEY GP JR: 3068
OAKLEY N: 2677
OARA H: 1985, 2138

OASHI T: 3069
OATES JA: 4146
OBA M: 3070
OBARA K: 2246
OBE G: 4423
OBEDEANU N: 3991
OBERLEAS D: 3355
OBERT I: 3792
O'BRIEN FV: 3946
O'BRIEN JS: 3071
O'BRIEN RA: 425, 852
OBST JM: 619
O'CALLAGHAN CH: 3575
OCAMPO-CAMPOS R: 1413
OCHI Y: 2837, 3072, 4685-4686
OCHSNER AJ 3D: 1682
OCKENFELS H: 2915
O'CONNOR JJ: 3073
O'CONNOR C: 992
O'CONNOR GT: 369
O'CONNOR PC: 1546
OCSENYI A: 4395
OCTAVIO DE TOLEDO C: 3074
ODAKI M: 2149-2151
ODDIE TH: 3075
ODELL WD: 3600
O'DRISCOLL RG: 1425
OEHM W: 2022
OELKERS W: 3076
OERTEL GW: 284, 1711, 3077, 3739
OETTEL M: 691, 3042, 3078-3079, 4097
OGA S: 3080
OGA Y: 4180, 4264
OGANESYAN RK: 4705
OGATA M: 2944, 3081, 4206
OGAWA H: 4174
OGAWA M: 3993
OGAWA R: 3082
OGAWA S: 2944
OGAWA T: 3083
OGIHARA T: 3084
OGILVIE JT: 1417
OGILVIE ML: 868
OGIMA I: 4656
OGORI K: 2013
OH KS: 3085
O'HIGGINS NJ: 3086
OHLEN J: 3499
OHLSON L: 3087
OHNISHI T: 187
OIDE H: 3993
OJEDA SR: 1570, 2998, 3088
OKABAYASHI N: 3089
OKABE J: 1814
OKABE N: 1691
OKADA A: 4123
OKADA K: 3090, 4185
OKADA M: 2697, 2788
OKAHARA T: 4
OKAISABOR JA: 3091
OKAJIMA T: 2071
OKAMOTO M: 1826, 3092
OKAMOTO T: 3039
OKANO K: 1251
OKAWA T: 2874
OKAZAKI E: 4656
OKI S: 1815
OKI Y: 3877
OKIDA M: 2195
OKISHIO T: 1739
OKITA T: 4486
OKONG'O O: 3093
OKSANEN A: 3094-3095
OKUBO H: 1837
OKUDA H: 3096
OKUDAIRA Y: 3097
OKUMURA H: 3098-3099
OKUSU T 2272
OKUYAMA T: 1738
OLAMBIWONNU NO: 3100
OLDS ME: 3101-3102
O'LEARY TP: 3103
OLIN R 3104
OLINICI CD: 3105-3106
OLIVER AP: 1707
OLIVER JF: 3470
OLIVER JH JR 3107
OLIVER JT 346
OLIVER MF 3391
OLIVERIO VT 4703
OLIVIER L: 3108-3109
OLIVO J: 52
OLLIVIER Y: 638
OLNEY JW: 3110
OLSON KB: 4188
OLSON WG: 3111-3112
OLSSON R: 3113
OLSZEWSKA B: 3915
OLSZEWSKI W: 1278
OLTJEN RR: 402
OLTMANN A: 1584
OLTMANS GA: 3114
O'MALLEY BW: 621
OMAR AM: 1615, 3115
O'MARY CC: 1402
OMEL'CHENKO AP: 3116
OMMAYA AK: 3117
OMORI Y: 3118
ONAYA T: 3119-3120
ONAYA TT: 3145
O'NEILL J: 539
ONISHI T: 122
ONO I: 2831
ONO S: 1834, 3121
ONO T: 2669, 4184
ONSTAD O: 2519, 3122
OOARA H: 1846
OOSHI S: 3883
OPALEV LM: 3123
OPITZ JM: 3124
OPPENHEIMER RO: 2376
OPPO GT: 1386
OPROIU A: 840
OPSAHL CA: 3125
ORATZ M: 3586
ORDER SE: 3126
OREHEK J: 3127
OREKHOV LG: 1831
ORESCANIN M: 4092
ORESTANO F: 3128
ORGEBIN-CRIST MC: 1009
ORIMO H: 1251
ORLANDI F: 3129
ORLANDO RA: 1678
ORME ML: 459
ORMEA F: 3130
ORMSTON BJ: 1091
ORRENIUS S: 3415
ORSI L: 3131
ORTH DN: 3132, 4484
ORTH H: 776
ORTHNER H: 2917
ORTIZ L: 693
ORTIZ MANCHADO O: 2294
OSAGIE AU: 519
OSAWA M: 3133
OSBORNE NN: 3134
OSBORNE NW: 3135
OSCARSON J: 1533
OSHIMA K: 3136
OSHIMA S: 3876
OSHINO N: 1074
OSHINO R: 1074
OSIPOVA NA: 2279
OSSERMAN KE: 3192
OSTACHOWICZ M: 3137
OSTEIN J: 364
OSTER P: 3138
OSTERGAARD O: 3020
OSTERMANN L: 3139-3141
OSTROVSKII VP: 2994
O'SULLIVAN BM: 3142
O'SULLIVAN DJ: 4468
OSWALD B: 1385
OSZCZYGIEL A: 3143
OTA A: 3144
OTAKE M: 3069, 3120, 3145
OTAKI M: 3146
OTANI I: 2955
OTANI T: 4320
OTOKIDA K: 3147
OTSUKA K: 1815
OTSUKI M: 3148-3152, 3640-3642
OTSUKI S: 3081, 4206
OTT CE: 2130
OTTO E: 3153
OTTOLENGHI A: 3154
OUCHI T: 2273
OUIMINGA RM: 2755
OUTRAM GW: 3155
OVER HJ: 933
OVERBY I: 2125
OWEN AA: 3156
OWEN CA JR: 435
OWEN OE: 3157
OWMAN C: 3158-3159
OWOR R: 3160
OYAMA C: 3161
OYAMA H: 3162
OYASATO Y: 2247
OYE I: 3163
OZAKE H: 4681
OZAKI O: 3164-3166
OZAWA Y: 3167
OZER A: 3168

P

PACES V: 3169
PACOVSKY V: 486
PACOVSKY V: 4564
PADALKA ES: 2816
PADIEU P: 908
PAETZMANN H: 3170
PAGES A: 189
PAGES L: 2084
PAGLIARA AS: 1504
PAGNINI D: 3171
PAGNINI G: 3171
PAI SR: 3172
PAIKOVA LN: 3173
PAIVA CE DE: 3174
PAJKOWSKA H: 3810
PAJSZCZYK-KIESZKIEWICZ T: 3175
PAL S: 3282
PAL SB: 1121
PALACIOS JM: 368
PALADINI AC: 3679
PALAIC D: 866
PALDI E: 224
PALEM-VLIERS M: 2636
PALKA YS: 3176
PALLA GP: 2297
PALM D: 3386
PALMA-CARLOS AG: 3177
PALMA-CARLOS ML: 3177
PALMER DS: 3178
PALMER KN: 1271
PALMER M: 765
PALMER PE: 1110
PALMIERI M: 2162
PALS AJ: 3179
PALUMBO G: 3180
PANAYIOTOPOULOS CP: 3713
PANDE BS: 3181
PANDOS PG: 2206
PANDYA NJ: 3182
PANERAI A: 2919
PANG PK: 3183
PANG RK: 3183
PANKOV AK: 3184
PANKOVA SS: 3185
PANKSEPP J: 3186-3187
PANTELOURIS EM: 3887
PANTIC VR: 3188
PAOLELLA GB: 4190
PAOLINO W: 3189
PAOUNOF MF: 2119
PAPADOPOL S: 3190
PAPAFILOVA OV: 2168
PAPALIA D: 3331
PAPANAYOTOU PH: 1591
PAPANICOLAOU N: 1746
PAPARELLA P: 3191
PAPATESTAS AE: 3192
PAPE C: 3193
PAPKOFF H: 4670
PAPP Z: 1956
PAPPO E: 603
PAQUET E: 67
PARACCHI A: 1102
PARADISE RR: 2132
PARDI W: 657
PARE WP: 3194
PARENT C: 4287
PARFENOV YD: 2295, 3195
PARIENTE R: 3196
PARIKH I: 3902-3903
PARIS CA: 4463
PARISI M: 3292

AUTHOR INDEX

PARK CR: 1096
PARK MK: 3197
PARKE DV: 1784
PARKE L: 3198
PARKER CW: 1862, 3199
PARKER JA: 4673
PARKES DG: 3867
PARKES MF: 439
PARKIN JM: 2288
PARKINSON DK: 3858
PARLOW AF: 826
PARRA A: 3200
PARRA-COVARRUBIAS A: 3201
PARRISH AE: 4587
PARSONS BJ: 2926
PARSONS RJ: 4318
PARTENI L: 1342
PARTENSKI C: 904
PARTYKA RA: 791
PARVEZ H: 3202-3203
PARVEZ S: 3202-3203
PARVIZI W: 1046
PARWARESCH MR: 3204
PASCHEN K: 3384
PASHAYAN H: 3205
PASHKOV BM: 3206
PASINI M: 3207
PASQUALINI JR: 3208
PASQUIER G: 851
PASSA P: 3209
PASSARGE E: 3210
PASSONNEAU JV: 2524, 4485
PASTAN I: 2967, 3211, 3613
PASTEELS J: 2049
PASTERNAK GW: 1569
PASTORFIDE GB: 3212
PATANELLI DJ: 483
PATCHEFSKY AS: 3213
PATEL YC: 3214
PATERSON CR: 494
PATERSON JW: 3215
PATHAK S: 3216, 3944
PATTHY A: 1445
PATTON GW JR: 3217
PATTON S: 3312
PATZ A: 3218
PAUGH JW: 3219
PAUKOVIC J: 3220
PAUL D: 2652, 3221
PAUL IL: 3219
PAUL P: 3222
PAUL W: 740
PAULIN B: 3929
PAULO E: 3223
PAUMGARTTEN FJ: 4113-4114
PAUP DC: 3576
PAUPARDIN-TRITSCH D: 3224
PAUSE H: 3499
PAUSESCU E: 3225
PAV J: 2632
PAVAN-LANGSTON D: 3226
PAVEL S: 3227
PAVLIK A: 2327
PAVLOK A: 2696
PAVLOVIC-HOURNAC M: 3228
PAVLOVITCH H: 3229
PAWELCZYK E: 3230
PAWLOTSKY Y: 3231
PAWLOW D: 982
PAWSEY CG: 1422
PAY TW: 407
PAYNE JE: 309
PAYSANT P: 1315, 1582
PEACOCK EE JR: 2579
PEACOCK JH: 3232
PEACOCK M: 4715
PEAKE GT: 511, 3427
PEAKER M: 3233
PEAR BL: 3234
PEARCE FL: 3235
PEARLMAN WH: 3236
PEARN JH: 3237
PEARSE AG: 3238
PEARSON H: 3239
PEARSON KD: 3880
PEARSON RS: 1661
PEART WS: 3493
PEASLEE MH: 3240
PECENY J: 364
PECHEUX F: 1248
PECK EJ JR: 80
PECK WA: 202
PECKER J: 1107
PEDEN VH: 2860
PEDERSEN KB: 3241
PEDERSEN MG: 1955
PEDERSOLI WM: 3242
PEDRON G: 3834
PEETERS FL: 3243
PEETERS G: 3244
PEGG AE: 2618
PEGG CA: 3015, 3931
PEGOV VI: 3245
PEILLON F: 3108
PEK S: 2126
PEKAREK J: 3325
PEKKARINEN A: 2281
PELC B: 618
PELKONEN O: 1622, 3246
PELLEGRINO DE IRALDI A: 3247
PELLET W: 2366
PELLETIER G: 2285, 3248
PELLETIER J: 2313
PELLICANO C: 3621
PELZ L: 3249
PEMPINELLO R: 3267
PENA C: 3679
PENASSE W: 1248
PENHALE WJ: 4344
PENKE B: 4389
PENNA PE: 2032
PENNANEN S: 1881
PENNEYS NS: 1125
PENNINGTON G: 4318
PENNY R: 3100
PENSKY J: 2655
PENTREATH VW: 3250
PENTYCROSS CR: 3251
PEO ER JR: 3156
PEQUIGNOT H: 3252
PERCY-ROBB IW: 4483
PEREIRA N: 3831
PEREIRA DE CARVALHO WD: 2430
PEREZ COMAS A: 3253
PEREZ-CRUET J: 1592
PERGAMENT E: 3254
PERHACH JL JR: 772
PERHAM RN: 3503
PERHEENTUPA J: 3255
PERKINS PJ: 3256
PERKOWSKI J: 4630
PERLEMUTER L: 1283
PERLIA C: 2392
PERLIA CP: 3257, 4421
PERLMAN JD: 4493
PERLMAN M: 3258
PERLMAN RL: 3211
PERNOLLET MG: 916
PERONI F: 3259
PERPHEENTUPA J: 3260
PERRARO F: 3261
PERRETT RH: 1696
PERRON D: 4413
PERRY BD: 3262
PERRY HM JR: 3263
PERRY S: 2450
PERSAUD TV: 3264
PERSIANINOV LS: 3265
PERSSON CG: 3266
PERSSON J: 2526
PERSSON SA: 2707
PERT C: 668
PERTOLDI S: 4702
PERTZELAN A: 977
PERZIN KH: 2467
PESANT P: 2702
PESCHLE C: 3267
PESKAR B: 4019
PESKIN GW: 1863
PETER JB: 2421
PETERKOFSKY A: 3268
PETERS HD: 936
PETERS PJ: 3269
PETERS RL: 3388
PETERSEN GB: 3021
PETERSEN OH: 2705
PETERSON AC: 3270
PETRELLI MP: 112
PETRESCU-HOLBAN R: 3227
PETRIE GR: 1271
PETROPOULOS EA: 3271
PETROV NS: 3899
PETROVA AN: 2120
PETROV-MASLAKOV MA: 3272-3273
PETROVIC VM: 3274
PETROVICH IK: 4708
PETRUCCO OM: 3275
PETRUSHKIN IUS: 3276
PETTERSSON F: 3277
PETTERSSON G: 1500-1501
PETTI G: 475
PETTINGER WA: 2379
PEVNY I: 2918
PEVZNER S: 3278
PEYSER E: 1489
PFANNENSTIEL P: 3279-3280, 3310
PFEIFF B: 3281
PFEIFFER E: 3057
PFEIFFER EF: 1121, 1123, 1265, 2316, 3420, 3585, 3724, 3743
PFEIFFER M: 3282
PHAN DV: 3283
PHELPS CD: 4507
PHENEKOS C: 1544
PHILIBERT D: 3284, 3434
PHILIPP T: 941
PHILIPPON-GUIBERT: 761
PHILIPPU A: 3285
PHILIPS SR: 1002
PHILLIPS EM: 1759, 3286
PHILLIPS GD: 765
PHILLIPS HB: 3287
PHILLIPS HH: 3288
PHILLIPS ME: 1912
PHILLIPS SJ: 4407
PHILLIPS WE: 2750
PHILLIS JW: 1234, 2303
PIA HW: 3289
PI-SUNYER FX: 476
PIANTADOSI C: 3290
PIATKOWSKA E: 985
PIAZOLA LE: 3291
PICARD DJ: 411
PICATOSTE F: 368
PICCINI F: 3261
PICCINNI Z: 3292
PICK AI: 2817
PICK E: 3293
PICKUP JC: 3294
PICO I: 3295
PICTET RL: 3615
PIEAU C: 3433
PIEPRZYK J: 720
PIERCE JM JR: 3568
PIERCE NF: 1491
PIERREPOINT CG: 4583
PIERRON H: 703
PIETRAK A: 3296
PIETRUSCHKA G: 3297
PIEZ KA: 4276
PIGANOVA NL: 3298
PIKALOVA J: 4006-4007
PIKE RL: 2058
PILARZ E: 4490
PILCHER CW: 3187
PILEGGI VJ: 976
PILLIAR RM: 556
PIN C: 1928
PINCUS GG: 3299, 4426
PINCUS JH: 3300
PINDAK FF: 1389
PINDER RM: 3301
PINEDO G: 38
PINELIS VG: 2640
PINES A: 3302
PINGGERA WF: 3339
PINKERTON C: 721
PINKHAS J: 2817
PINNGGERA W: 3340
PINSKER P: 2897
PINSKY SM: 175
PINTER J: 4395
PINTILESCU V: 3925
PINZAUTI S: 3303
PIOTROWSKA-SOWINSKA J: 2189
PIPELEERS DG: 1526
PIPER D: 3304
PIPER PJ: 3305-3306
PIRANI CL: 1879
PIRNIK MP: 1165

PISAREV A: 186
PISCITELLI P: 3053
PISSAREV J: 3307
PISTER W: 2921
PITNEY WR: 3308
PITOT HC: 682-683, 2845
PITTMAN JA JR: 3309
PITTON R: 1283
PIXBERG HU: 3310
PIZARRO M: 4245
PIZZOLATO P: 2427-2429
PLACHOT JJ: 196
PLANAS J: 3311
PLANTZ PE: 3312
PLASSE JC: 2455, 3313
PLATT H: 3314
PLATZBECKER H: 2156
PLAUT SM: 3315-3316
PLEEHACHINDA R: 4202
PLETI M: 3618
PLETKA P: 4103
PLETSCHER A: 852
PLIENINGER K: 2438
PLISKA V: 1160
PLUMMER G: 3317
PLUMMER NA: 4242
PLUTA I: 3230
POAT JA: 2926
POCH G: 2258-2259, 3318
POCHECHUEVA GS: 3319
PODHRADSKY J: 3320
PODOBA V: 3321
PODOS SM: 4507, 4729
PODSIADLO K: 3618
POENARU L: 3322, 4494
POENARU S: 3322
POHORECKY LA: 3323-3324
POIREE JC: 251
POIREL C: 2799
POKORNA Z: 3325
POLAK JM: 3238
POLAND BJ: 3326
POLANO MK: 3327
POLENOV AL: 3958
POLETTO JF: 3328
POLGAR P: 4427
POLISHUK WZ: 3729-3730
POLIZZI M: 475
POLLACK ED: 781
POLLACK JA: 3329
POLLACK RS: 3330
POLLAK EK: 3623
POLLAK VE: 1879
POLLARD RM: 1156
POLLERI A: 1817
POLLOCK RJ JR: 2578
POLLTER J: 1073
POLONI M: 3504
POLOSA P: 3331
POLUBIEC A: 2339
POLUBOYARINOVA ZI: 3195
POMERANTZ DK: 1046, 1050
PONEC M: 3327
PONG SF: 1699
PONIECKI A: 3332
PONSOLD K: 3333
PONT'UCH A: 3334
PONTZEN W 2100
POONAWALLA NH: 3335
POPE GS: 1375
POPKY G: 2210
POPOV DK: 2295
POPOV PG: 3336, 4376
POPOVA NK: 3337
POPOVA SS: 2108
POPOVICI D: 3338
POPOVTZER MM: 3339-3340
PORTANOVA R: 3341-3342
PORTE A: 4090
PORTE D JR 3343
PORTER D: 2609, 3403
PORTER JC: 282
PORTER KA: 4048
PORTER M: 2467
POSKUS E 3679
POSNER AS: 3344
POSNER BI: 3345
POSPISIL J 3362
POSTERNAK T: 808
POSTLETHWAIT JH: 3346
POSTMA PW: 4417
POTASHNIK G: 3347
POTCHEN EJ: 2767
POTTER EV: 751
POTTER JC: 3348
POTTS J: 2952
POUILLART P: 2689
POULAIN P: 218, 3349
POULSEN K: 3350
POWELL D: 3880
POWELL JB: 3027
POWELL WS: 1616
POWIS G: 367, 3351
POWLES TJ: 3352-3354
POZZOLI E: 2307
PRADAL G: 2364
PRADER A: 4701
PRAGER W: 4209
PRANCAN AV: 2968
PRANG R: 1312
PRASAD AS: 3355
PRASAD MR: 3356, 3675
PRASLICKA M: 39
PRCHKOV VK: 2126
PREIBSCH W: 2672
PREIBSCHE W: 2218
PREMACHANDRA BN: 3357
PREMYODHIN M: 4202
PRESANT CA: 3358
PRESL J: 3359-3362
PRESTON DJ: 929
PREZYNA A: 3363
PRIBYL T: 3364
PRIBYL T: 3767
PRIBYL T: 3770
PRICE EB: 1660
PRICE I: 51
PRICE JL: 3365
PRICE RH: 1131
PRIDHAM JB: 428
PRIESTNALL R: 3366
PRIETO VALTUENA J: 2294
PRIJOT E: 3367
PRIMACK A: 3917
PRINCE A: 3368
PRINCE WT: 310
PRIVARA M: 3369
PROCTOR JB: 1447
PROKAZOVA NV: 548
PROKHONOVA MI: 3370
PROKINA NS: 204
PROST A: 761
PROTIVA J: 3790
PROYE C: 3371
PRUDNIKOVA RV: 3372
PRUETT RC: 3373
PRUSS TP: 1525
PRUSSIN SG: 3763
PRZUNTEK H: 3285
PRZYBYL L: 3374
PSYCHOYOS S: 1104
PUCA GA: 3902-3903
PUCKETT CL: 3375
PUGA J: 4513
PUGH WE: 3376
PUIG M: 3599
PULLAR IA: 136
PULLMAN TN: 3377
PULVER WH: 4296
PUNELL G: 4305
PUPKIN M: 4513
PUPPIONE DL: 3419
PURANDARE TV: 2928
PURDY RH: 3378
PURNELL DC: 3761
PUTNAM CW: 4048
PUUSKA M: 1574
PYE JG: 1644
PYRIG LA: 3379
PYTEL-DABROWSKA T: 3380

Q

QUADAGNO DM: 3381
QUANDT J: 4003
QUAY WB: 3382
QUEIROZ PF: 3383
QUEISNEROVA M: 1222
QUELLHORST E: 1636, 3384
QUERMONNE MA: 2630
QUIGLEY MM: 3385
QUIJADA L: 732
QUINLAN D: 4452
QUIRING K: 3386
QUIROGA ME: 658
QURESHI SA: 3387

R

RABADIJA M: 866
RABBO HA: 1151
RABIN D: 2758
RABINOWITZ D: 2314, 3753
RABOCH J: 4047
RABSTEIN LS: 3388
RACADOT J: 3108
RACHE K: 3042
RACHMILEWITZ EA: 2417
RACINE RJ: 128
RADBIL' OS: 1975
RADER MD: 3389
RADEV AI: 3390
RADFORD DJ: 3391
RADHA E: 3392
RADIAN N: 2793
RADIN EL: 3219
RADKE J: 3393
RADO J: 1645
RADO JP: 3394
RADU A: 1666
RADWAY P: 3395
RADZIALOWSKI FM: 3396
RAFF M: 3397-3398
RAGAB ME: 1615
RAGER K: 146, 339, 3399
RAGONESE F: 568-569
RAHMAN R: 1173-1174
RAHMAN SA: 3400
RAHWAN RG: 2261
RAI BP: 3401
RAIJ L: 2380-2381
RAIKHLIN NT: 3402
RAILTON R: 3403
RAINER JD: 2749
RAISZ LG: 3455
RAITERI M: 3404
RAITH L: 3405
RAITTA C: 3260
RAIVIO KO: 3255
RAJALAKSHMI M: 3356
RAJALAKSHMI R: 3406
RAJANIEMI H: 3407
RAJEGOWDA BK: 1372
RAJERISON R: 387
RAKOFF JS: 2060
RALL TW: 4713
RALPH T: 184
RALPHS V: 1712
RAMALEY JA: 3408
RAMAMURTHI B: 3409
RAMANATHAN K: 3410
RAMANATHAN S: 3411
RAMAZZOTTO LJ: 3412
RAMOS CV: 2860
RAMOS F: 3839
RAMOS OL: 684
RAMP WK: 4284
RAMPAL M: 4125
RAMWELL PW: 1921, 2548, 3860
RANCHOD M: 1071
RANDALL CJ: 1567
RANDEL RD: 3413
RANE A: 3414-3415
RANTA T: 4310
RANZI T: 2307
RAO GS: 3416
RAO ML: 3416
RAO PN: 3378
RAO RR: 3417
RAO SL: 4427
RAO SS: 2928
RAPENNE F: 3418
RAPHAEL BC: 3419
RAPOPORT A: 2321
RAPOSO C: 4587
RAPP HJ: 676
RAPPORT R: 178
RAPTIS S: 3420
RASHEED A: 213
RASK-MADSEN J: 3421

AUTHOR INDEX

RASKIN M: 3422
RASKIN RL: 3422
RASMUSSON GH: 3423
RASSAERT C: 937
RASSAERT CL: 3424
RASSNER G: 35, 3425
RASTOGI RK: 3426
RATCLIFFE JG: 3799-3800
RATHGEN GH: 297
RATHI KB: 4397
RATNER A: 3427
RATNOFF OD: 3428
RATTAZZI T: 2380-2381
RATTS T: 3063
RAUHUT K: 3429
RAUNER R: 2341
RAUTENBACH M: 328
RAVEED D: 3472
RAWSON JM: 3430
RAY JE: 2125
RAY RD: 4544
RAYFIELD EJ: 3431
RAYMOND G: 3432
RAYMOND-TREMBLAY D: 3432
RAYNAUD A: 3433
RAYNAUD JP: 406, 2746, 3284, 3434
RAYNER PH: 3435
RAZ A: 3436-3437
RE M: 3438-3439
REA C: 3440
READ AE: 449
READ RM: 3441
REAVEN E: 4213
REBORA A: 2648
RECKER RR: 3270, 4150
RECORDIER AM: 1036
RECTOR WD: 1678, 3689
REDDERSON CL: 3442
REDDING TW: 2953, 3717
REDDINGTON M: 3443
REDDY YS: 3784
REDMOND HE: 2899
REED DJ: 1482
REED MF: 3444
REED RE: 3920
REEDER DD: 257
REES LH: 3445, 3800
REETZ E: 2275
REEVE TS: 4085
REEVES JJ: 1402
REEVES JR: 3446-3447
REGALI JA: 4570
REGE PR: 593
REGELE H: 2358
REICHENBERG K: 3448, 4405
REICHERT LE JR: 2372, 3449
REICHLIN S: 1473, 3450, 3844
REID IW: 1271
REID JS: 3451
REID WD: 1592
REIJONEN H: 3452
REIJONEN K: 3452
REILLY DT: 540
REILLY PE: 3453
REIMANN E: 4469
REIMERS D: 3038
REIMOLD EW: 3454
REINBLATT JD: 3455
REINEKE EP: 3179
REINESS G: 3456
REINFRANK RF: 3457
REINHARDT K: 3458
REINHARDT V: 3718
REINHOLD K: 372
REINILA M: 2023
REINKEN L: 3459
REINWEIN D: 1518, 3460
REIS A: 3080
REIS DJ: 3461
REISENAUER R: 3959
REISER R: 2899
REITE OB: 3462
REITER RJ: 3463
REITH A: 3464-3465
REK A: 3369
RELEXANS JC: 3466
REMION B: 3467
REMIZOV SM: 2599
REMLEY NR: 1572
REMMERS AR JR: 762
REMPE N: 2726
REMY D: 3468
RENEMAN RS: 875
RENGER F: 3469
RENNELS EG: 3873
RENNER R: 1643
RENTSCH M: 2853
RENWICK AG: 3470
RENWICK JH: 3471
REPKE DI: 2018
REPORTER M: 3472
RESCH B: 3690
RESCHINI E: 829, 3473
RESEGOTTI L: 3189
RESKO JA: 1013
RESNICK J: 3474
RESTALL BJ: 4249
RETIENE K: 3475-3476, 3777
REUBER MD: 3477
REULEN HJ: 1520
REULING FH JR: 3786
REUS HD DE: 3478
REUSCH E: 1561
REUTNER TF: 3721
REUTTER W: 2387
REVEFEIM KJ: 2572
REVILLARD JP: 744
REVOL L: 1149
REVUSOVA V: 3479
REY-STOCKER I: 3480
REYNAFARJE B: 3481
REYNIER J: 3252, 3482
REYNOLDS JW: 3483
REYNOLDS WA: 3073
REZNIK G: 3484
REZNIK-SCHULLER H: 3484
REZNIKOFF WS: 3485
REZNIKOV AG: 3486
RHAMY RK: 1477
RHEE V: 3110
RHODES GR: 3375
RICCI P: 2331
RICCIARDI I: 3487
RICE BF: 713
RICE JC: 3488
RICH C: 4051
RICHARD P: 3489
RICHARDS G: 3490
RICHARDS HG: 3491
RICHARDS JG: 3492
RICHARDS P: 3493
RICHARDS TC: 3494
RICHARDSON BD: 3495
RICHARDSON BP: 3496
RICHART RM: 1300
RICHAUD C: 3497
RICHENS A: 2329
RICHERT DA: 3617
RICHET G: 2775
RICHMAN R: 3498
RICHSHOFFER N: 4399
RICHTER J: 3499
RICHTER K: 3745
RICHTER R: 937
RICHTER RH: 1642
RICHTER RS: 3424
RICKINSON AB: 1808
RICO T: 1349
RIEBER M: 3500
RIECKEN EO: 2754
RIEDEL V: 3501
RIEDL P: 3502
RIEMENSCHNEIDER H: 1329
RIESCO ALMARZA J: 3664
RIGGIO RA: 859
RIGGIO RR: 858
RIGO J: 1956
RILEY M: 3503
RIMOIN DL: 4122
RINDI G: 3504
RINDLER R: 2590
RINGEL SP: 2102
RINGROSE CA: 3505
RINIKER B: 90
RINNE UK: 2281
RIPA R: 3506
RIPPMANN ET: 3507
RITMAN S: 1112
RITOSSA F: 3180, 3508
RITTEL W: 90
RITZ E: 2231, 3509
RITZERFELD W: 2477
RITZI DM: 1922
RITZMANN SE: 762
RIVAILLE P: 2798
RIVARD D: 2861
RIVE JC: 453
RIVEL J: 4418
RIVENZON A: 3510
RIVERA VM: 3511
RIVERA DAMM R: 3512
RIVIER J: 1497, 3513
RIVIERE J: 3541
RIZK M: 3514
RIZKALLAH TH: 3321
RIZKI RM: 3515
RIZKI TM: 3515
RIZO-SANTIAGO J: 754
RIZVI SN: 4356
ROBBINS GF: 2981
ROBBINS J: 3516
ROBEL P: 3517
ROBERGE AG: 2098
ROBERT A: 2583
ROBERT M: 3518
ROBERTO SOTELO J: 3519
ROBERTS HE: 3520
ROBERTS JA: 695
ROBERTS JG: 1892
ROBERTS MH: 443-444
ROBERTS PD: 3521
ROBERTS RM: 171, 3522
ROBERTS S: 1786
ROBERTSHAW D: 1748
ROBERTSON DA: 2541
ROBERTSON EG: 3523
ROBERTSON GL: 3524
ROBERTSON JC: 3525
ROBERTSON RP: 3343
ROBEY M: 4210
ROBILLARD J: 3526
ROBILLER F: 127, 3527-3528
ROBINETTE J: 3339
ROBINOW M: 3529
ROBINS RK: 3897
ROBINSON GA: 3530
ROBINSON J: 4078
ROBINSON JA: 3531
ROBINSON JJ: 3532
ROBINSON MJ: 3533
ROBINSON R: 353
ROBINSON RL: 3534
ROBINSON TJ: 3535
ROBISON GA: 537, 3747
ROBSON RD: 107
ROBYN C: 3536, 3673
ROCHA H: 3383
ROCHA E SILVA M: 1293
ROCHCONGER P: 2619
ROCHE JY: 987
ROCHEFORT H: 88
ROCHEMAURE J: 2769
ROCHMAN H: 4479
RODBARD D: 669, 4645
RODBELL M: 1587, 3537
RODENHOFF G: 3538
RODESCH F: 2049
RODNIGHT R: 3443, 4520
RODRIGUEZ-ARGUELLES J: 3539
RODRIGUEZ MARTINEZ HA: 53
RODRIGUEZ-MINON JL: 3839
ROE DA: 2553
ROE TF: 3540
ROEDER F: 2917
ROENSBERG W: 3285
ROFFI J: 3274
ROGER P: 3541
ROGERS KJ: 1412, 1793, 2950
ROGERS PW: 3542
ROGERS QR: 2390
ROGNER G: 328
ROGOZEA R: 4337
ROHACOVA J: 3767
ROHDE W: 964
ROHER HD: 3748-3749
ROHLE G: 3543
ROHMER F: 3544
ROINE K: 3545
ROJAS-BUENO A: 820
ROJO-ORTEGA JM: 1740, 3546

ROKHLIN DG: 3547
ROLANDI E: 1817
ROLEK DF: 3548
ROLLET J: 1498
ROM-BUGOSLAVSKAIA ES: 3549-3550
ROMANELLI R: 58, 2515
ROMANENKO GF: 3551-3552
ROMANOVA LA: 1428
ROMIJN HJ: 3553
ROMMERTS FF: 3554
ROMMLER A: 3555
RONDANINI GB: 3556
RONINETTE J: 3340
ROO M DE: 3557
ROO T DE: 3558
ROOBOL A: 3559
ROOIJ DG DE: 2050
ROOS BE: 81
ROOS D: 3560
ROOS P: 4551
ROOSEVELT TS: 3561
RORIVE G: 3562
ROSATI G: 3259
ROSCH W: 3563
ROSCISZEWSKA A: 321
ROSE FA: 1726
ROSE I: 328
ROSE NR: 3564
ROSE RM: 3219
ROSEGHINI M: 3565
ROSEN AJ: 3566
ROSEN DI: 4248
ROSEN JF: 1609
ROSENBAUM AE: 2568
ROSENBAUM MG: 3567
ROSENBERG JC: 3568
ROSENBERG L: 2382
ROSENFELD EL: 4555
ROSENFELD PS: 495
ROSENGREN E: 1448
ROSENQVIST U: 1472
ROSENTHAL AR: 3569
ROSENTHAL J: 3570
ROSENTHALE ME: 3571
ROSENTHALL L: 3572
ROSES AD: 3573
ROSNER JM: 3131
ROSOFF C: 862
ROSS DI: 3574
ROSS E: 2141
ROSS GW: 3575
ROSS JW: 3576
ROSS RA: 3461
ROSSELLI L: 1781
ROSSEN E: 2518
ROSSEN RD: 544-545, 1655
ROSSER RM: 800, 2470
ROSSI EC: 3577
ROSSI GV: 2304
ROSSI M: 3189
ROSSIER J: 4016
ROSSMANN K: 2606
ROSSNER P: 964
ROSSO R: 3578
ROSSOUW DJ: 3579
ROSTAD H: 3580
ROSTAFINSKA J: 2117
ROSTEN M: 3581
ROTEM Y: 1223
ROTH B: 3582
ROTH G: 825
ROTH J: 1392, 1418, 3583
ROTH M: 3584
ROTH MM: 1372
ROTHCHILD I: 2305, 4390
ROTHENBUCHNER G: 1725, 3282, 3420, 3585
ROTHMAN SS: 4466
ROTHMUND M: 501
ROTHSCHILD MA: 3586
ROTTECK G VON: 3746
ROTTEMBOURG J: 168
ROUBIN M: 3587
ROUER E: 1662
ROUKEMA PA: 3023
ROUND JM: 900, 3586, 4042
ROUSE BT: 3589
ROUSSEAU GG: 1674-1675
ROUSSEY M: 3231
ROUVIER J: 1246
ROUX C: 744
ROUX JP: 3590
ROUX M: 3930
ROW VV: 1111, 2927
ROWE CE: 4440
ROWE DJ: 900, 2329
ROWE FA: 3591
ROWE JJ: 428
ROWE P: 10
ROWE PH: 3592
ROWLAND LP: 361, 4168
ROWLAND RG: 1154
ROWLANDS S: 1882
ROWSELL A: 1931
ROWSON LE: 4234
ROY C: 387
ROY RK: 2595
ROY S: 3593, 3840
ROY SK: 3709
ROY-PERNOT MP: 3834
ROZE C: 4354
ROZOVSKII IS: 3594
RUBENS R: 3595
RUBENS-DUVAL A: 3596
RUBENSTEIN HA: 3597
KUBIEN E: 985
RUBIN AL: 858-859
RUBIN BL: 3598
RUBIN E: 1984
RUBIN EJ: 4285
RUBIN KA: 4102
RUBIN P: 4020, 4353
RUBIN RP: 3599
RUBIN RT: 3600
RUBINOWITZ MJ: 3601
RUBINSTEIN HM: 3602
RUBIO R: 388
RUBIO LOTVIN B: 3607
RUBRIGHT WC: 3603
RUDALI G: 705
RUDAVSKY AZ: 3604
RUDD BT: 3435
RUDERMAN JE: 1535
RUDKIN GT: 3605
RUDKOWSKI Z: 3467
RUDZINSKI A: 985
RUF KB: 4548
RUHLEN JR: 1648
RUHMANN-WENNHOLD A: 3561, 3606
RUIZ MORENO JA: 3607
RUMMEL HH: 420
RUMMLER HJ: 4292
RUMRICH G: 2444
RUNNEBAUM B: 3608-3609
RUNNEBAUM H: 3609
RUOFF HJ: 3610
RUOKONEN A: 3611
RUPP N: 3393
RUPPRECHT E: 2198
RUSCHER H: 1120
RUSSELL JA: 2457
RUSSELL JC: 3807
RUSSELL LD: 3612
RUSSELL T: 3613
RUSSO C: 882
RUSTERHOLZ DB: 209
RUTENBURG AM: 4427
RUTKOWSKI MM: 3614
RUTSKY EA: 2715
RUTTER LF: 287
RUTTER WJ: 3615
RUZYLLO E: 2984
RYAN GB: 1266, 3616
RYAN KJ: 617
RYAN NT: 3617
RYAN RJ: 351, 4091
RYAN SJ JR: 3569
RYAN WL: 2823
RYBAKOWA M: 3618
RYC K: 2205
RYCKEWAERT A: 2264, 3619
RYLE M: 546
RYNKIEWICZ H: 2840
RYU M: 2246
RYZEWSKI J: 2778
RYZHKOVA LA: 659
RZEMPOLUCH J: 4490

S

SAARIKOSKI S: 598
SAARINEN A: 4310
SAARNIVAARA L: 42
SAAVEDRA JM: 3620
SABA N: 4154
SABA P: 3621
SABANAYAGAM P: 181
SABANDO P: 3622
SACHS BD: 3623
SACHS C: 1937, 3624
SACHS HG: 2545
SACHSE KH: 3625
SACK K: 724
SACKS MI: 3729-3730
SADONY V: 4050
SADOWSKI B: 3626-3627
SAEDI S: 3628
SAEGER W: 3629
SAENZ RODRIQUEZ CA: 3253
SAFAR M: 1746, 3630
SAFDAR SH: 3358
EL-SAFOURY S: 3645
SAGEL J: 1072, 3631
SAHA AK: 3632
SAHA N: 3633
SAHNI SL: 198
SAID S: 3634
SAIDAPUR SK: 3635
SAIL SS: 3406
SAILER D: 1586
SAINI RK: 3636
SAINI VK: 296
ST JOHN LE JR: 3637
ST LAURENT J: 250
SAITO F: 3147
SAITO K: 2015, 2944, 2965, 3638, 4320
SAITO M: 3029
SAITO S: 1255, 1257, 3647
SAKAI S: 858-859, 4303
SAKAI Y: 2099, 3884
SAKAKURA M: 4179
SAKAKURA T: 3034
SAKALAS R: 3639
SAKAMOTO M: 2838, 3693
SAKAMOTO S: 1714
SAKANO T: 3884
SAKATO M: 2159
SAKAUCHI N: 4646
SAKHAROV BV: 1090
SAKODA M: 1252, 3640-3641
SAKOTA M: 3151, 3642
SAKSENA SK: 3643-3646, 3849
SAKSON N: 2604
SAKURADA S: 4166
SAKURADA T: 1255, 1257, 3647-3648
SAKURAMI T: 2016
SALAMONSEN LA: 3649
SALAU G: 807-808
SALDANA L: 3650
SALEH M: 3651
SALEHI E: 3652
SALIH H: 1167
SALLUSTO A: 1811, 3487
SALMON D: 1199
SALMON GK: 3653
SALOMA FN: 2386
SALOMON JB: 3654
SALOMON MI: 3655
SALTER AJ: 3656
SALTIEL H: 1382
SALTIN B: 1076
SALUJA PG: 3657
SALVADORINI F: 3621
SALVATIERRA O JR: 281, 3658
SALVETTI A: 2610
SALWA-KUBASIK W: 3374
SALYER WR: 3659
SALZMAN EW: 3660
SAMAHA FJ: 4233
SAMITZ MH: 478
SAMLI MH: 3661
SAMMAN PD: 6
SAMOCHOWIEC E: 4490
SAMOILOFF V: 262-263
SAMPEREZ S: 636
SAMPSON LD: 1218
SAMSONOVA ML: 3662
SAMUEL AM: 2941
SAMUEL D: 788, 1434
SAMUEL KC: 3939
SAMUELS AJ: 4538

AUTHOR INDEX

SAMUELS HH: 3663
SAMUELSSON B: 1455, 4602
SANCEWICZ-PACH K: 2248
SANCHEZ-FRANCO F: 3664
SANCHEZ-LEYVA R: 1414
SANCHEZ MARTIN JA: 3665
SAND G: 1248
SAND T: 3666, 4277
SANDBERG AA: 2086, 4380
SANDBERG HE: 2089-2090
SANDER J: 1113
SANDERSON JH: 3667
SANDLER B: 3668
SANDLER CM: 2416
SANDLER SW: 177
SANDOMIRSKII BP: 3669
SANDOR R: 3670
SANDOW J: 158, 3671-3674
SANDS H: 969
SANDS J: 3972
SANDULESCU S: 1341
SANKARAN MS: 3675
SAN MARCO JL: 3929-3930
SANOU A: 2755
SANSOM BF: 3676
SANTEN RJ: 3677
SANTESSON B: 3678
SANTI L: 3578
SANTIEMMA V: 1211, 3439
SANTLER R: 3397
SANTOME JA: 3679
SANTOS GW: 4221
SANTOS FRANCES J: 1219
SANTUCCI MA: 2331
SAPAG-HAGAR M: 3680
SAPIRSTEIN VS: 3681
SAPORTA JA: 3682
SARAI K: 3683-3684
SAREMBE B: 3685
SARKAR PK: 3686
SARMA DS: 3687
SARSUNOVA M: 3688
SARTINI J: 3689
SAS M: 3690
SASAKI C: 1256
SASAKI H: 2149-2151
SASAKI T: 3691
SASAMOTO S: 3692
SASANO N: 2836
SASHA S: 2616
SASSO GF: 3267
SATAKE K: 4331
SATARKULOV KS: 183
SATAVA RM JR: 736
SATHANANTHAN G: 3891
SATO A: 3069, 3119-3120, 3145
SATO K: 3693
SATO M: 4443
SATO N: 3694-3695
SATO O: 3498
SATO S: 2213, 3697-3698
SATO T: 2831, 3699, 4140
SATOWA S: 2081
SAUBIER E: 904
SAUER LA: 3700
SAUK JJ JR: 3701
SAULE H: 3702
SAUNDERS GF: 1337
SAUNDERS P: 3703
SAUTER E: 2200
SAVCHENKO ON: 3273
SAVIANO MA: 2379
SAVINOVA VF: 3857
SAVIOLI M: 1211, 3439
SAVLOV ED: 1678
SAVOCHKINA LP: 335
SAVOLDI F: 3704
SAVU L: 3705
SAWADA M: 1815, 3107
SAWAI Y: 2961-2963
SAWAZAKI N: 3706-3707
SAWYER CH: 3048
SAWYER ME: 3236
SAWYER WH: 3183
SAWYERS TM: 1031
SAXEN E: 1229
SAXENA PN: 3708
SAXENA UC: 3709
SAYERS G: 3341-3342
SCACCHI P: 3710
SCANES CG: 3012, 3711
SCANLON GT: 4336
SCARAVILLI F: 3712
SCARISBRICK JJ: 555
SCARPA A: 187
SCARPALEZOS S: 3713
SCHACHAK M: 263
SCHAEFER K: 1650
SCHAFER A: 2047
SCHAFER H: 3776
SCHAJOWICZ F: 3714
SCHALLER JG: 3715
SCHALLY AV: 773-774, 1402, 1544, 2953, 3716-3717, 4717
SCHAMBELAN M: 4089
SCHAMS D: 1709-1710, 3718-3719
SCHANBERGER JE: 3474
SCHAPIRA F: 4494
SCHAPIRO S: 3720
SCHARDEIN JL: 3721
SCHARER K: 3722
SCHARPHUIS T: 2912
SCHARRER I: 3723
SCHATTENKIRCHNER M: 518
SCHATZ H: 3724
SCHECHTER GL: 3725
SCHEDL HP: 4695
SCHEER K: 3726
SCHELER F: 1636, 3384
SCHELSTRAETE K: 1040
SCHEMMEL K: 2091, 3727-3728, 4505
SCHENCK B: 1588
SCHENKER JG: 3729-3730
SCHENKMAN J: 1125
SCHER J: 3731
SCHERK G: 368
SCHERRER JR: 912
SCHIANTARELLI P: 3259
SCHIEFER W: 2267
SCHIFF GM: 2445
SCHILL J: 3297
SCHILLER AL: 3329
SCHILLINGER E: 1330, 3732
SCHILLMOLLER U: 2222
SCHIMKE E: 692
SCHIMKE RN: 3733, 4447
SCHIMMELPFENNIG W: 3734-3735
SCHIMPF A: 3736
SCHIMPFF RM: 3737
SCHINDELER J: 3738
SCHINDLER AE: 1241, 4420
SCHINDLER WJ: 2829
SCHINDLMAYR R: 3719
SCHINGNITZ G: 4069
SCHIRAZI M: 284, 3739
SCHJERVEN L: 3740
SCHLAGEL CA: 3741
SCHLEBUSCH H: 253
SCHLEIERMACHER E: 3742
SCHLESINGER MJ: 2034
SCHLEUSENER H: 31-32, 2483, 4534
SCHLEYER M: 1265, 3282, 3743
SCHLEYER-SAUNDERS E: 3744
SCHLIACK V: 3779
SCHLOSSERBERGER HG: 1742
SCHLUTER FJ: 2774
SCHMALZL F: 2590
SCHMID KO: 3745
SCHMIDEK H: 881
SCHMIDT DE: 3747
SCHMIDT H: 3746, 4066
SCHMIDT HJ: 1654
SCHMIDT J: 930
SCHMIDT JP: 1369
SCHMIDT MJ: 3747
SCHMIDT PK: 920
SCHMIDT UJ: 1530, 2437
SCHMIDT W: 3742
SCHMIDT-GAYK H: 3748-3749
SCHMIDT-HERMES HJ: 59
SCHMIDTSDORF G: 3750
SCHMIEDEK P: 3928
SCHMUTZLER W: 3751
SCHNABEL C: 4621-4622
SCHNABEL R: 3333
SCHNECK G: 3752
SCHNEDL W: 553
SCHNEIDER AB: 1018
SCHNEIDER B: 3753
SCHNEIDER C: 2864
SCHNEIDER D: 3793
SCHNEIDER EG: 2130
SCHNEIDER G: 3734-3735
SCHNEIDER GT: 713
SCHNEIDER HA: 3754, 4053
SCHNEIDER HP: 3755, 4735
SCHNEIDER M: 2689
SCHNEIDER R: 822
SCHNEIDER V: 1706
SCHNEIDER W: 4249
SCHNEIDER WH: 3756
SCHNEIDERMAN N: 1218
SCHOENFELD RI: 3757
SCHOENTAL R: 3758
SCHOFFLING K: 326-327, 894-895, 3022, 3792, 4346
SCHOLLER R: 3759, 4240
SCHOLTEN MB: 3897
SCHOLTES G: 3760
SCHOLZ DA: 3761
SCHONBAUM E: 4296
SCHONBERG D: 339, 3762
SCHONDORF H: 3536
SCHONHOFER P: 253
SCHONHOFER PS: 936
SCHONSTEDT E: 1547
SCHOOLEY JC: 2522
SCHOOLMAN M: 3363
SCHOR RA: 3763
SCHOTLAND DL: 4168
SCHOUGAARD H: 3764
SCHRAER H: 3765
SCHRAER R: 3765
SCHRAMM E: 1734
SCHRECK CB: 3766
SCHREIBER B: 3767
SCHREIBER SS: 3586
SCHREIBER U: 3768
SCHREIBER V: 3364, 3769-3770, 3911, 4046
SCHREIBMAN PH: 3006
SCHREML W: 1514
SCHREYER P: 590-591
SCHRIEFERS H: 1346-1347
SCHRODER G: 383
SCHRODER KE: 3420
SCHRODER M: 2672
SCHROEDER PC: 3771
SCHROEDES KE: 3282
SCHRUB JC: 4608
SCHUBERT J: 3772
SCHUBERT WK: 2445
SCHUH M: 2203
SCHULER D: 945
SCHULLEROVA M: 1993
SCHULMAN H: 3650
SCHULMAN J: 2290
SCHULSTER D: 3773
SCHULTZ G: 3774
SCHULTZ J: 1556
SCHULTZ K: 3774
SCHULTZ LH: 3111-3112
SCHULTZ RB: 3200
SCHULTZ SG: 3000
SCHULZ A: 889, 3280, 3775
SCHULZ B: 2142, 3776
SCHULZ F: 3475-3476, 3777
SCHULZ H: 3778, 3791
SCHULZ HJ: 3779
SCHULZ KD: 3193, 4638
SCHULZE W: 3780
SCHULZKE R: 2094
SCHURMANN K: 1520
SCHURZ AR: 3781
SCHUTT-AINE J: 4388
SCHUTZ W: 1720
SCHUTZE G: 3782
SCHWABE U: 1015
SCHWABEL HJ: 1586
SCHWALM H: 823
SCHWANDT P: 2921, 3783
SCHWARTZ A: 3784, 3914
SCHWARTZ IL: 969
SCHWARTZ J: 3785
SCHWARTZ JT: 3786
SCHWARTZ RJ: 3787
SCHWARTZ TB: 255
SCHWARTZ U: 3788
SCHWARTZKOPFF W: 3789
SCHWARZ GA: 446
SCHWARZ J: 3739
SCHWARZ K: 1712

SCHWARZ MI: 447
SCHWARZ R: 1749
SCHWARZ V: 3790
SCHWARZBERG H: 3778, 3791
SCHWARZENBERG L: 2689
SCHWEDES U: 3022, 3792, 4346
SCHWEIZER RT: 281
SCHWENKE H: 3793
SCHWIEGER AC: 3794
SCHWILLE PO: 3795
SCHWINGER E: 4022
SCHWYZER R: 1160, 3796
SCIARRA JJ: 3797
SCIORELLI G: 3504
SCOON V: 3798
SCOTT AP: 3799-3800
SCOTT CI JR: 3801, 4244
SCOTT JT: 836
SCOTT TW: 3802
SCOTT WA: 3803
SCOTT WN: 3681
SCRIBA PC: 2921, 3044, 3804
SCRIPNICHENKO DF: 3805
SCRIVENER R: 779
SCRIVER CR: 1377, 3806
SCRUGGS W: 1063
SEALEY JE: 515
SEAMARK RF: 427
SEARLE CE: 1930
SEARLS AG: 782
SEARS ML: 3007
SEATON A: 1661
SEBUWUFU PH: 3942
SECKER-WALKER RH: 2767
SECORD DC: 3807
SEDEL'NIKOVA EA: 2675, 3808
SEDGWICK EM: 725
SEDLACEK J: 3809
SEDLACZEK L: 3810
SEDLAK J: 4698
SEDLAKOVA A: 39
SEEBER C: 3811
SEEDAT YK: 3812
SEEGER R: 3674
SEELEY RR: 1568, 3813
SEELIGER H: 3814
SEEWALD HJ: 3815
SEFTEL HC: 1908
SEGAL' GM: 648
SEGAL S: 3440
SEGAL SJ: 3816
SEGALOFF A: 3817
SEGAWA Y: 2830
SEGEL IH: 1789
SEGOND G: 3051
SEGRESTAA JM: 747-748
SEHGAL PB: 906
SEHLIN J: 1513
SEIBOLD HR: 3818
SEIDEL A: 3819
SEIDEL D: 401, 3820
SEIDEL G: 2275, 2774
SEIFERT G: 3821
SEIKI K: 3822
SEILER ER: 3823
SEILER KU: 2518, 3824
SEJRSEN P: 3825
SEKERIS CE: 2768
SEKI K: 2581, 3826
SEKI M: 2581, 3826-3828
SEKIGAWA H: 3829
SELBACH H: 3830
SELBY R: 3831
SELL JL: 3832
SELLWOOD RA: 1929
SELLYEI M: 2208
SELYE H: 4165
SEMENENKO MN: 3859
SEMENOVA-TIAN-SHANSKAIA: 3833
SEMENOVSKII AV: 2993
SEMPE M: 3834
SEMUSHIN BV: 269
SENAY LC JR: 3835
SENDA K: 3836
SENESKY D: 254
SENIOR BE: 1375
SENSUI N: 2839
SENYI AF: 3024
SEPPALA M: 1304, 3837
SERBAN AI: 2794
SERBAN AM: 3838
SERENI F: 2614
SERENI LP: 2614
SERISAWA K: 116
SERR DM: 4707
SERRA D: 3129
SERRA GB: 2297
SERRANO-RIOS M: 3839
SETCHELL BP: 4452
SETH HN: 3840
SETH J: 4261
SETO K: 2024
SETOGUCHI M: 2968
SETOGUTI T: 3841
SETTIPANE GA: 3842
SETTNES OP: 3843
SEVER JL: 1112
SEVERINI G: 475
SEVERS WB: 2487
SEWING KF: 3610
SEYBERTH HW: 3748
SEYLER LE JR: 3844
SHABANAH EH: 4472
SHADE RE: 1433
SHAFER AD: 123
SHAFIK A: 3845-3846
SHAH DG: 3406
SHAH DM: 3602
SHAH P: 3254
SHAH RM: 3847
SHAH SS: 3848
SHAH VM: 3848
SHAHRABANI R: 153
SHAIKH AA: 3646, 3849
SHAIKH SA: 3646
SHAINKIN R: 303
SHAKESPEARE RA: 528-529
SHAMUGIIA LA: 3850
SHANFIELD I: 3851
SHANI J: 3852
SHANKLIN DR: 333
SHAO TC: 2411
SHAPIRO F: 2380
SHAPIRO FB: 2251
SHAPIRO FL: 2381
SHAPIRO LR: 2525
SHAPIRO S: 3853
SHAPIRO SL: 3854
SHAPIRO T: 559
SHAPOT VS: 374
SHARMA OP: 3855
SHARMA RK: 3856
SHARMAN DF: 346
SHAROUKHOVA KS: 3857
SHARP GW: 1795, 3168, 3858
SHARPE LG: 4145
SHARPE RM: 665
SHASHKOV VS: 3859
SHAW E: 1379
SHAW GH: 3179
SHAW JE: 3860
SHCHERBATIUK DI: 3861
SHEAR L: 1506
SHEARMAN DJ: 4483
SHEARMAN RP: 3900
SHELBURNE JD: 3862
SHELIAPINA VV: 859
SHELLABARGER CJ: 3863
SHELLEY WB: 3864
SHENKMAN L: 152
SHEON RP: 701
SHEPARD TH: 1955
SHEPPARD H: 3865
SHEPPARD JR: 4459
SHERINS RJ: 1702, 3866
SHERMAN R: 1233
SHERRARD DJ: 899
SHERWOOD LM: 859
SHERWOOD OD: 3867
SHETTY KR: 495
SHEVCHUK IA: 3868
SHEVCHUK VI: 3869
SHEVDE S: 2679
SHIBATA M: 2082
SHIDA K: 1841, 3870, 3877
SHIELDS JB: 2750
SHIELDS RP: 3871
SHIGEI T: 2970
SHIGEMATSU A: 4173
SHIGEMITSU T: 4486
SHIIGAI T: 3872
SHIINO M: 3873
SHIKITA M: 3874-3875
SHILS ME: 56
SHIMA T: 4700
SHIMADA K: 3876
SHIMAMOTO T: 3061
SHIMAZAKI J: 1841, 3870, 3877
SHIMIZU H: 837
SHIMIZU T: 2786, 3878-3879, 4658, 4687
SHIMKIN PM: 3880
SHIMO R: 1251
SHIMODA S: 3881, 4163
SHIMODA Y: 3882
SHIMOMURA Y: 4274
SHIMOSATO S: 3883
SHIMOSATO Y: 4486
SHIMOYAMA M: 3884
SHIMURA T: 4263-4264
SHIMURA Y: 4183
SHIN T: 4196
SHINADA T: 3699, 3885
SHINDAROV L: 3886
SHINOZAKI R: 3870
SHIOMI K: 2837, 3072, 4685-4686
SHIPMAN W: 4407
SHIRAI O: 4176
SHIRAISHI M: 2138
SHIRAIWA Y: 1263, 2250
SHIRE JG: 3887
SHIRLEY A: 546, 3888
SHIRLEY IM: 1366
SHIRLEY L: 3216
SHIRODKAR MV: 906
SHIRRON C: 1400
SHISHIBA Y: 3879, 4687
SHIVAS AA: 2807
SHIZUME K: 3879
SHKLAR G: 622
SHOBAT DN: 3889
SHODA T: 3890
SHODZHALILOV SHSH: 4307
SHOJI S: 4660
SHOLITON LE: 4536
SHOPSIN B: 3891
SHORT RE: 3413
SHORTER RG: 4496
SHOTEMOR SH: 3892
SHOTSU A: 3893
SHOUMURA-SAKURAI S: 1832
SHRIEFER K: 2034
SHTUN' FA: 3894
SHUBIN H: 3028
SHUKLA KP: 3895
SHUKLA RG: 3417
SHUKUYA R: 2945
SHULKES AA: 770
SHULMAN JJ: 3896
SHUMAN DA: 3897
SHUMILINA AI: 3898
SHURYGIN DIA: 3899
SHURYGINA EA: 3184
SHUSTER S: 4243
SHUTT DA: 3900
SHVACHKIN IUP: 1842-1843
SHYAMALA G: 3901
SICA V: 3902-3903
SICILIANO R: 549
SIDDHIVARN N: 3019
SIDDLE K: 3904
SIDRANSKY H: 3687
SIEBER P: 90
SIEBERS JW: 3905
SIEBOLD R: 383
SIEGEL HI: 2388
SIEGEL R: 739
SIEGENTHALER W: 258-259, 3062, 4402-4403
SIEGLER AM: 3906
SIERADZKI J: 4161
SIERON G: 3907
SIES H: 2276
SIGEL A: 3795
SIGGERS DC: 437
SIGGINS GR: 1707
SIGURDSSON G: 4618
SIGVARDT KA: 4586
SILBER I: 1649
SILBERGELD S: 3908
SILBERMANN M: 3909
SILCOX DC: 3910

SILINI G: 771
SILINK K: 3769, 3911
SILINK K: 3912
SILINSKY EM: 1761
SILLO-SEIDL G: 3913
SILLS M: 3914
SILNY W: 3915
SILTZBACH LE: 4056
SILVA E: 732
SILVA OL: 3916-3917
SILVER D: 3375
SILVER MJ: 2147
SILVERBERG DS: 3918
SILVERMAN AJ: 3919
SILVERMAN EM: 3920
SILVERMAN R: 3921
SILVERS WK: 3922
SIM MK: 3923
SIMARD-DUQUESNE N: 3924
SIMESEN MG: 3764
SIMIONESCO N: 2794
SIMIONESCU S: 3925
SIMMER HH: 826
SIMMONS CJ: 867
SIMMONS WH: 3926
SIMON EJ: 3927
SIMON HB: 4612
SIMON J: 1107
SIMON LN: 3897
SIMON M: 3231
SIMON NM: 886
SIMON O: 3928
SIMON-HOLTORF G: 1584
SIMONE JV: 148
SIMONIN R: 3929-3930
SIMONINI N: 2610
SIMPSON JG: 3931
SIMPSON W: 3932
SINADINOVIC J: 3933
SINCA F: 1159
SINCLAIR DJ: 1271
SINCLAIR JD: 3934
SINCLAIR JG: 3935
SINGER FR: 270
SINGER L: 2764-2765
SINGER MA: 3936
SINGH AK: 3937-3938
SINGH B: 3939
SINGH D: 3940
SINGH H: 2652
SINGH M: 1502
SINGH P: 3941
SINGH RK: 3937-3938
SINGH U: 3942
SINGH UB: 4009
SINGHAL RL: 3943
SINHA AK: 3944
SINHA DP: 198
SINHA T: 3524
SINHAMAHAPATRA S: 2093
SINNIAH R: 3945-3946
SINSHEIMER JE: 884
SIPERSTEIN MD: 3947
SIPULA D: 2324
SIRAKI CM: 2578
SIREK A: 3948
SIREK OV: 3948
SIRIAN S: 4338
SIRO B: 3949
SIRO-BRIGIANI G: 4710
SIROIS P: 769
SIROL J: 3950
SIS RF: 3971
SISSON GA: 4129
SITARSKA E: 1378
SITTNIKOW K: 3095
SIVALINGAM PM: 3144
SIVKOV II: 2257
SIXMA JJ: 3951
SJOBERG NO: 3159
SJOQVIST F: 3415
SKARIN AT: 4121
SKARNES RC: 1571
SKEBEL'SKAIA IUB: 3952
SKIBO L: 1882
SKINNER C: 1271
SKLAN D: 4721
SKLOVSKA M: 3334
SKLOVSKY A: 3220, 3953
SKOLNICK P: 3954
SKORKOVSKY B: 3955-3956
SKOROKHOD VI: 2596
SKOSEY JL: 3957
SKRABALO Z: 1596
SKRIABIN GK: 2349
SKVORTSOVA NB: 3958
SLABY A: 3959
SLAGA TJ: 3960
SLANINA P: 3961-3962
SLATER P: 2950
SLEGERS JF: 3963
SLIWOWSKI A: 3964
SLOB A: 1013
SLOBODA AE: 3328
SLOMIC A: 3965
SLOTKIN TA: 3966-3967
SLULLITEL J: 3714
SLUPCZYNSKI S: 3968
SLUYSER M: 3969
SLY RM: 3970
SLYWKA J: 1801
SMALLWOOD JE: 3971
SMART JL: 3972
SMEENK G: 3327
SMEJKAL V: 3582, 4235
SMELLIE RM: 2128
SMETS W: 1886
SMIALOWSKI A: 3973
SMID J: 2710
SMIDT D: 1046, 3139-3141
SMIDT KP: 3974
SMIESKO V: 4002
SMILLER RR: 3184
SMILLIE LB: 1961
SMILOVICI W: 2498
SMIRNOV NP: 271
SMIRNOVA AP: 1843
SMIRNOVA IO: 3857
SMIT PJ: 1780
SMITH AP: 3975
SMITH BG: 3976
SMITH DJ: 2926
SMITH EJ: 1145
SMITH ER: 3977
SMITH FG: 901
SMITH GW: 5, 3978
SMITH ID: 3900
SMITH JB: 2147
SMITH JE: 3979
SMITH MD: 180
SMITH PA: 1091, 2346, 3980
SMITH RB: 3981
SMITH RL: 4605
SMITH S: 3982
SMITH VT: 1017
SMITH WG: 3983
SMITH WT: 1930
SMOCZYNSKI M: 3984
SMOGOR W: 2688
SMOLIK S: 1222
SMRZ J: 3169
SMYTHE DB: 1856
SMYTHIES JR: 3985
SNART RS: 322, 3986
SNEED GA: 1492
SNELL K: 3987
SNIDER DE: 3199
SNIDER RH: 3917
SNIGUROWICZ J: 2008
SNYDER DL: 3988
SNYDER F: 371
SNYDER PJ: 3989-3990
SNYDER SH: 199, 1569
SOBEL BE: 1639
SOBEL JD: 3991
SOBLE AG: 1335
SOD-MORIAH UA: 262
SODERLING TR: 4469
SODTKE U: 1889
SOFERMAN N: 4704
SOFIA RD: 3992
SOJI T: 4684
SOJO-ARANDA I: 755
SOKABE H: 3993
SOKOL RJ: 3994
SOKOLOV EG: 3273
SOLAYA M: 3995
SOLBACH WG: 4556
SOLIMAN FA: 3996
SOLO AJ: 3997
SOLOFF MS: 3998
SOLOMON B: 3803
SOLOMON F: 2853
SOLOMON J: 3999
SOLOMON N: 3019
SOLOWIEJCZYK M: 4000
SOLTESZ MB: 1059
SOMA H: 4001
SOMASUNDARAM K: 623
SOMFAI S: 1275
SOMLYO AP: 4002
SOMLYO AV: 4002
SOMMER E: 3775
SOMMER H: 4003
SOMMERVILLE IF: 4696
SONDACK DL: 4004
SONDERGAARD J: 4005
SONKA J: 1115-1116, 1681, 4006-4008
SONNENBLICK EH: 4041
SONNICHSEN N: 1598
SOO VA: 3863
SORDAHL LA: 3784
SORENSEN VW: 4009
SORIA C: 748
SORIA J: 748, 4717-4718
SORIA M: 4010
SORKIN E: 4599
SOSNIK H: 4011
SOSOVEC V: 4012
SOTOMA T: 2011
SOUCHARD M: 4354
SOUDEK D: 4013
SOULE HD: 484
SOULES DK: 2028
SOULILOU JP: 761
SOUMAR J: 364, 3582, 3912
SOUTH MA: 246
SOUTHREN AL: 52
SOUVATZOGLOU A: 4014-4015
SPADA A: 1102-1103
SPAHN GJ: 3388
SPAHR A: 3995, 4016
SPANGENBERG V: 4017
SPANGLER DB: 2827
SPATH JA JR: 4018
SPAZIANI E: 4585-4586
SPEAR GS: 2995
SPECTOR S: 299, 4019
SPEDERS H: 400
SPEER VC: 2404
SPEISER B: 4020
SPELLACY WN: 4021
SPERLING H: 4022
SPEROFF L: 2323, 4023-4024, 4743-4744
SPEVAK AM: 3381
SPIEGELMAN M: 4025
SPIELMAN A: 1510
SPIELMAN W: 1433
SPIES A: 1444
SPIES HG: 3036, 4026-4027
SPILMAN CH: 4028-4029
SPIRO TG: 4198
SPITZ I: 2314, 3753
SPITZER S: 977
SPIVAK JL: 2827
SPONA J: 3756, 4030
SPRIGGS AI: 386
SPROVIERI M: 567-569
SPYCHALSKI E: 2225
SQUATRITO S: 3331
SRAMKOVA O: 2631
SRAMKOVA J: 2632-2633
SRIBYATTA B: 746
SRIMAL RC: 4031
SRIVASTAVA AK: 4032
SRIVASTAVA KC: 4033
SRIVASTAVA RN: 3593
STABENFELDT GH: 4034
STACEY R: 758
STACY BD: 4461
STADTLER F: 4035-4036
STAGNARA P: 4387
STAHL A: 913, 2185, 4037
STAHL GL: 868
STAHL NL: 4038
STAHL P: 4039
STAHL U: 4040
STAHNKE N: 889
STALDER G: 1029
STAM AC JR: 4041

STAMFORD IF: 289
STAMM O: 1351
STAMP TC: 900, 4042
STANBURY SW: 1703, 2516, 4043
STANCER HC: 1302
STANCU C: 3925
STANKIEWICZ A: 2225
STANKLER L: 4044
STANKUSHEVA P: 4734
STANLEY AJ: 677
STANOSEK J: 1641
STANTON RE: 4045
STARIKOVA ON: 4362
STARK E: 19
STARKA L: 2897, 4046-4047
STAROSTIN LN: 2046
STARR JL: 2057
STARZEL TE: 3340
STARZL TE: 4048
STAS J: 4006-4008, 4049
STATKOV PR: 3616
STAUB JF: 2798
STAUCH GW: 4050
STAUCH M: 2496
STAUFFER M: 4051
STAUROVSKY L: 463-464
STAVROU D: 1488
STECHER VJ: 4599
STEELE MW: 4052
STEELMAN SL: 483
STEENBOCK H: 3754, 4053
STEFFENSEN DM: 4054
STEGINK LD: 1152
STEIGLEDER GK: 4055
STEIN E: 4056
STEIN JJ: 4057
STEIN KF: 4058
STEIN RS: 4059
STEIN W: 4056
STEIN-WERBLOWSKY R: 4060
STEINBERG D: 4061
STEINER AL: 4062-4063
STEINERT HR: 4064
STEINGASS U: 1520
STEINITZ R: 4065
STEINS P: 4066
STEINSCHNEIDER R: 4067
STELL PM: 4068
STENZEL KH: 858-859
STENZEL L: 4069
STEPANOV VS: 4708
STEPHAN FK: 4070
STEPHENS A: 3491
STEPHENSON J: 3888
STEPHENSON P: 2916
STERBA R: 4071
STERLING K: 4072
STERN H: 3437
STERN J: 4073
STERN JM: 4074
STERN LZ: 4075
STERN WC: 4076
STERNADEL Z: 4077
STERNER W: 3722
STEVENS W: 1482
STEVENSON CS: 1744
STEVENSON PM: 4078
STEVENSON RD: 4079
STEWARD DJ: 4080
STEWART B 2982
STEWART BH 4081
STEWART DJ: 4013
STEWART JC: 1366
STEWART JT: 4082
STEWART RD: 3974
STEWART SF 4083
STIBRAL K 2226
STIEGLITZ R 4084
STIEL JN 4085
STILLER KJ 3528
STILLIONS MC: 3073
STILLMAN I: 1634
STIMACZ E 2209
STIMMEL B 4056
STITCH SR 3595
STITES DP: 4493
STITZEL RE: 4527
STJARNE L 4086-4087
STOBBE H 4084
STOBER I 3609
STOCK JE: 4088
STOCKIGT JR: 4089
STOECKEL ME: 4090
STOENESCU D: 840
STOFFER SS: 4091
STOICULESCU P: 3016
STOILJKOVIC C: 4092
STOJANOV S: 4093
STOJANOVIC ID: 1946
STOJANOW G: 2199
STOLBACH LL: 1818
STOLL BA: 4094
STOLL D: 4095
STOLL R: 4095
STOLL W: 127
STOLTZ M: 4096
STOLZENBURG-RAMOS A: 2730
STOLZNER W: 3078-3079, 4097
STON J: 486
STONE LS: 1320
STONEBRIDGE JB: 1468
STONER HB: 4098
STOOKEY GK: 4099, 4614
STOREY E: 2737
STOREY G: 488
STORM WF: 1534
STOUGHTON RB: 4100
STOWSAND D: 4505
STRADA SJ: 4508
STRAKOVA A: 3003
STRAKOVA M: 4007
STRAND R: 2290
STRANDHOY JW: 2130
STRAUBE W: 59
STRAUCH G: 4101
STRAUSS RD: 4102
STRAUSS RJ: 4102
STRECKE J: 3333
STREDA A: 4235
STREHLER BL: 96
STREWLER GJ: 4103
STREY A: 4292
STRICH-MOUGENOT C: 748
STRIFE JL: 3085
STRIPP B: 1356
STROBAND HW: 4232
STROM TB: 4104
STRONG CR: 4105
STRONG JA: 4106
STRUNGARU A: 1343
STRUPPE A: 35
STRYCKMANS P: 4107
STUBBS SS: 4108
STUCKEY JH: 4102
STULC J: 4141
STULL JW: 4109
STUMBO WG: 4110
STUTEVILLE OH: 3182
STUTINSKY F: 4090
STUTZMAN L: 4111
SUAREZ ALVAREZ JR: 4112
SUAREZ-KURTZ G: 4113-4114
SUC JM: 731
SUCHECKI T: 2620
SUDA M: 4115
SUDAKOV KV: 4116
SUDRE Y: 4117
SUEMATSU H: 4118
SUETSUGU N: 3162
SUFI SB: 4119
SUFRIN G: 4120
SUGARBAKER PH: 4121
SUGARMAN GI: 4122
SUGAWARA N: 4123
SUGISHITA M: 1850
SUGIYAMA S: 2181
SUGRUE MF: 4124
SUHLER A: 4125
SUKI WN: 4126
SULLIVAN A: 4127
SULLIVAN J: 539
SULMAN FG: 1325, 4732
SUMATHY V: 4128
SUMIDA C: 3208
SUMMERS GW: 4129
SUMMERS RJ: 367
SUNAGAWA H: 1846
SUNDARALINGAM M: 680
SUNDARAM K: 4130
SUNDERLAND AJ: 2346
SUNDICK RS: 4131
SUNDLER F: 3158
SUNDQVIST KG: 4132
SUNDSFJORD JA 4133
SUNG LC: 605
SUPEK Z: 866
SUPRUN H: 2616
SURANA RB: 4134
SUREAU C: 4135
SURWILO BO: 4136
SUSHIDA K: 4137
SUTHERLAND EW: 3774
SUTHERLAND HW: 2681
SUTHERLAND RM: 4550
SUTTIE JW: 4138
SUTTON RA: 1021
SUWANIK R: 4202
SUZUKI K: 1614, 4139
SUZUKI S: 1738, 4140
SUZUKI T: 2834
SVEJCAR J: 3325
SVIHOVEC J: 4141
SVIRSKY-FEIN A: 4142
SVITNEVA AS: 4143
SWAHN A: 1019
SWAIN MC: 4476
SWANK RT: 4144
SWANSON LW: 4145
SWARTZ TJ: 1298
SWARTZ TL: 3998
SWEET F: 121
SWEETMAN AJ: 1727
SWEETMAN BJ: 4146
SWENSEN SR: 4147
SWEZEY RL: 4148
SWIDERSKI G: 4149
SWIECICKI M: 1278
SWINEHART JM: 4150
SWITZER P: 4151
SWYER GI: 4152
SWYNGHEDAUW B: 312
SYKORA J: 1097
SYLLABA J: 4153
SYLVEST J: 2889
SYME G: 2393-2394
SYMEONIDIS A: 2043
SYMONDS EM: 1422
SYMONS AM: 4154
SZABADI E: 443-444
SZABO A: 2208
SZABO J: 1059
SZABO S: 2207, 4165
SZABO T: 2302
SZACKI J: 4155
SZAFARCZYK A: 457
SZAJNER-MILART I: 4156
SZALAY GC: 4157
SZAMATOWICZ J: 2224
SZAMATOWICZ M: 2224
SZAZ KF: 618
SZCZYGIEL B: 4077
SZCZYGIELSKI A: 2191
SZEGO CM: 4158
SZEMERE P: 1408
SZENDRO P: 2461
SZENTIRMAY Z: 1275
SZENTIVANYI M: 810
SZEP I: 4395
SZIDAT L: 4159
SZIJJ I: 2326
SZMIGIEL C: 2248
SZOTS F: 3965
SZUCS Z: 4160
SZUMERA B: 2721
SZUTOWICZ A: 2840
SZWARC B: 2604
SZYBINSKI Z: 4161

T

TABACCHI MH: 4162
TABAKOFF B: 4335
TABEI A: 3881, 4163
TABIB A: 2319
TABOLIN VA: 4164
TABOULET J: 2900
TACHE A: 2794
TACHE J: 4165
TACHE Y: 4165
TACHIBANA T: 4675

TACQUET A: 989
TADA M: 4001
TADANO T: 4166
TADOKORO I: 1614
TAFT R: 463
TAFURI WL: 2741
TAGUCHI F: 3029
TAICHMAN NS: 4296
TAIT JF: 51
TAIT SA: 51
TAJIRI M: 3162
TAKADA K: 4167
TAKAGI A: 4168
TAKAGI S: 4680-4681
TAKAGI T: 4169
TAKAHASHI H: 2963
TAKAHASHI I: 2669
TAKAHASHI K: 4170
TAKAHASHI M: 1902, 2211, 4174
TAKAHASHI N: 4176
TAKAHASHI S: 4171-4173
TAKAHASHI T: 4174
TAKAMORI M: 4175
TAKANO T: 3061
TAKASAKI M: 4176
TAKASUGI K: 122
TAKATANI O: 4177
TAKAYAMA H: 1814
TAKAYASU H: 4178
TAKAYASU S: 20
TAKEBE K: 4179
TAKEDA H: 4189
TAKEDA M: 4180
TAKEDA R: 4181
TAKENOUCHI T: 1253-1256
TAKEUCHI H: 4182
TAKEUCHI K: 4183
TAKEUCHI M: 4184
TAKEUCHI S: 3893, 4185
TAKEUCHI T: 1257, 4186
TAKEYOSHI S: 3083
TAKI T: 4187
TAKIGUCHI T: 2097
TAKIZAWA H: 1603
TALJEDAL IB: 1513
TALLEY RW: 4188
TALWAR GP: 2236
TAMAKI N: 4189
TAMAOKI B: 3060, 4139
TAMAYO L: 732
TAMBURINO G: 4190
TAMIR I: 591
TAMM J: 4191
TAMURA M: 2250
TAMURA S: 4192
TAMURA T: 2838
TAN KK: 4193
TAN L: 4194
TANABE Y: 2964
TANAKA A: 2698, 4195
TANAKA G: 4323
TANAKA J: 2197
TANAKA K: 3107
TANAKA Y: 2272, 4196-4197
TANDON AK: 3937-3938
TANG SC: 152
TANG SP: 4198
TANGHE W: 4367
TANIGUCHI H: 2663
TANIOKA Y: 4199
TANK ES: 1238
TANNEN RL: 4200
TANNER JM: 4201
TANSY MF: 3011
TANTICHAREON C: 4202
TARAZI RC: 456
TARDY ME JR: 4203
TARKKONEN H: 2299
TARMURE C: 2051
TARTAGLIONE R: 4492
TARTARA A: 3704
TARTULIER M: 379
TASCA C: 840
TASCA C: 3838
TASHJIAN AH JR: 2392
TASHIMA CK: 4204
TASHJIAN AR JR: 846
TASHJIAN AH JR: 1309, 1688, 4205, 4421
TATEISHI J: 3081, 4206
TATEISHI R: 1735
TATEIWA M: 3150-3152, 3640-3642
TATSUMI N: 1739, 4207
TAUBERT HD: 2253, 3536, 4208
TAUBERT W: 4209
TAURELLE R: 4210
TAVES D: 3019
TAXAY EP: 4211
TAY CK: 639
TAYA K: 4192, 4212
TAYLOR A: 4213
TAYLOR BA: 4214
TAYLOR CB: 1700
TAYLOR DB: 4215
TAYLOR DM: 763
TAYLOR ES: 417
TAYLOR JR: 1125
TAYLOR RW: 4216
TAYLOR S: 686
TAYLOR TR: 44
TAYLOR WA: 4217
TAYMOR M: 1744
TAYOT J: 4236
TAZAKI H: 4303
TCHERAKIAN: 3196
TEA NT: 4240
TEASDALE T: 24
TEBECIS AK: 4218
TEESLINK CR: 4038
TEEUW AH: 4219
TEICHMANN W: 4220
TEILLET F: 842
TEILLET MA: 2357
TEJADA F: 4221
TEKERLEKOV P: 3886
TELANG BV: 4222
TELFER WH: 4620
TELFORD IR: 4147
TELFORD J: 2807
TELLER W: 1121
TELLER WM: 1725
TELLEZ H: 234, 4223
TELLEZ HURTADO R: 613
TEMPO B: 4224
TENCKHOFF H: 768
TENHUNEN A: 29
TENORIO CANCINO J: 613
TENTA LT: 4203
TEO SK: 4225-4226
TEO TS: 4227
TEOH ES: 4228
TEOH PC: 4229
TEPPERMAN HM: 4503
TEPPERMAN J: 4503
TER-SARKISIAN AO: 4419
TERAYAMA Y: 2250
TERESHCHENKO OF: 4230
TERHORST B: 4231
TERLOU M: 4232
TERMAN SA: 3603
TERNBERG JL: 1504
TERRAGNO NA: 2489
TERRANOVA T: 3191
TERRENCE CF: 4233
TERRIBILE V: 4260
TERROINE T: 1437
TERTOOLEN JF: 795
TERUI K: 4123
TERVIT HR: 4234
TESAREK B: 4235
TESSER GI: 1160
TESTARD R: 1107
TESTART J: 4236
THALASSO M: 260-261
THALY KG: 4255
THAN KA: 4237
THAPLIYAL JP: 625
THARAUD D: 2900
THATCHER WW: 13, 1511
THEARLE RJ: 2479
THEBAULT J: 4238
THELEMANN W: 1487, 4239
THERKELSEN AJ: 3021
THEROUX P: 2702
THESINGH CW: 978
THEUER D: 3734-3735
THEVENET M: 1427
THI L: 2797
THIBERT RJ: 2028
THIBIER M: 4240
THIELE RM: 138
THIMONIER J: 2313
THION C: 4241
THOA NB: 1557
THODY AJ: 4242-4243
THOMAS AL: 624
THOMAS C: 1682
THOMAS GH: 3801, 4244
THOMAS K: 4245
THOMAS M: 4246
THOMAS ML: 4247
THOMAS RJ: 1912
THOMAS RO: 54
THOMAS RP: 652
THOMAS SJ: 4583
THOMPSON A: 4587
THOMPSON EB: 2450
THOMPSON EN: 104
THOMPSON JC: 257
THOMPSON MJ: 1279
THOMPSON RB: 4248
THOMSEN AC: 197
THORBECKE GJ: 2534
THORBURN GD: 817, 4249, 4461
THOREN C: 4250
THORNEYCROFT IH: 746
THORPE WR: 4251
THURMER J: 4252
TIBALDI GP: 4224
TICHOMIROVA NP: 4253
TICLETE V: 55
TIFFANY TO: 4254
TIKARE SK: 4255
TIKHOMIROVA OB: 2349
TIKHONOVA EP: 3550
TIKKANEN MJ: 29, 4256
TILDEN RL: 4257
TILLEMENT JP: 4238
TILLSON SA: 1237
TIMMERMAN H: 2337
TIMPL R: 4096
TINELLI FG: 2684
TIPTAFT EM: 1932
TIRONE P: 3259
TISCHER W: 4581
TISHLER S: 862
TJALVE H: 3961
TKACHEVA GA: 4258
TOBE T: 2699
TOCCAFONDI RS: 4119
TOCCI AA: 2153-2154
TOCH R: 408
TOCHILIN VI: 4259
TOCHINO Y: 2698
TODARO GJ: 2419
TODESCO S: 108, 4260
TOFT AD: 1822, 4261
TOFT D: 4262
TOGNACCINI D: 58
TOJO S: 4263-4264
TOJYO S: 4265
TOKER C: 286
TOKUDA S: 586-587
TOKUMITSU S: 1846
TOKUOMI H: 2071
TOLBERT ME: 4266
TOLCKMITT W: 4017
TOLEDO-PEREYRA LH: 4267
TOLINO A: 2684
TOLLOCZKO T: 4268
TOLSDORFF P: 4269
TOMAR K: 923
TOMAZIC V: 3564
TOMITA A: 4270
TOMITA K: 1691
TOMITA T: 4271
TOMKINS GM: 429, 843, 1674-1675, 2220
TOMLINSON CW: 4272
TOMLINSON RV: 1907, 2311
TOMMASELLI A: 1453
TOMODA Y: 1825-1826
TOMSOVA Z: 4007
TONGE K: 4247
TONGE SR: 1460, 4273
TONOOKA N: 4274
TOPPOZADA M: 4275
TOPPS JH: 1016
TORCHIA DA: 4276
TORGERSEN O: 1561
TORGOV IV: 648
TORIBE H: 2272

TORIKAI T: 2836
TORJESEN P: 1593
TORJESEN PA: 3666, 4277
TORMEY P: 942
TOROK J: 4278
TORRESANI J: 4279
TORSNEY PJ: 4280
TORTI FM: 1449
TOSI M: 2464
TOST H: 2209
TOTH E: 961
TOTHILL P: 4483
TOTOKI T: 4281
TOTZEN R: 2482
TOUBLANC JE: 161
TOUCHSTONE JC: 4621-4622
TOUITOU Y: 4101
TOUNTAS C: 2763
TOURNEMINE C: 3434
TOURNIAIRE A: 379
TOURY C: 2723
TOURY R: 4282
TOUSSIS D: 3251
TOUZE J: 4283
TOVERUD SU: 4284
TOWART R: 1355
TOWNSEND CM JR: 762
TOWNSLEY JD: 4285
TOYAMA K: 2903
TOYOKURA Y: 1850, 4660
TRACHEWSKY D: 4286-4287
TRAEGER A: 4288
TRAIKOV H: 346
TRANULIS C: 1666
TRANZER JP: 852, 3492
TRAUBLE H: 4289
TRAUT EF: 4290
TRAUTWEIN A: 460
TRAVAGLINI P: 1101-1103, 3005
TRAVIS J: 3067
TRAVIS LB: 295
TREDGER JM: 532
TREIP CS: 4291
TREJO-BAYONA R: 887
TRETHEWIE ER: 2656
TRICOMI V: 4472
TRIEB G: 3814
TRIESCHNIGG AC: 3951
TRIGGLE DJ: 626-627, 1874
TRIPP L: 937
TRNKA L: 2925
TROLLDENIER H: 4292
TRUFFERT J: 1319
TRUMP BF: 3862
TRZECIAK HI: 4293
TSAFRIRI A: 2025, 4294-4295, 4735
TSAI CC: 4296
TSAI HC: 4297-4298
TSAI JS: 3683
TSAREVA ES: 2070
TSCHOPE W: 4299
TSIEN WH: 3865
TSITLANADZE VG: 4300
TSONG YY: 4130
TSUCHIDA S: 1253
TSUGANE R: 3696
TSUJII T: 2247
TSUJIMURA T: 3034
TSUKADA M: 4199
TSUKAGOSHI H: 4660
TSUKAHARA Y: 4301
TSUKIMOTO I: 4675
TSURU H: 2970
TSUSHIMA T: 4302
TSUYA A: 4303
TSUYUZAKI K: 4274
TSVETKOVA V: 4304
TUCCI JR: 1973
TUCHWEBER B: 1303, 2207
TUCK JR: 4305
TUCKER HA: 2186
TUCKER VL: 4447
TUERCK DG: 4306
TULCHINSKY D: 664
TULIAGANOV PD: 4307
TULLOCH BR: 1232, 4308
TULLOH M: 1010
TUMANOVA SIU: 3370
TUME RK: 4309
TUN CHOT S: 3622, 4618
TUNBRIDGE RD: 50
TUNBRIDGE WM: 1544
TUNG KS: 2860
TUOHIMAA P: 3816
TUOMISTO J: 4310
TURA S: 2331-2332
TURGANBAEV ZH: 4311
TURIAF J: 4312
TURKER RK: 4313
TURKEVICH MM: 4393
TURKINGTON RW: 2561, 4314
TURLEJSKA-STELMASIAK E: 4315
TURNBULL AC: 2031
TURNBULL DI: 174
TURNER C: 4628
TURNER CE: 4316
TURNER P: 3286
TURPAEV TM: 548
TURPIN G: 1319
TUSQUES J: 2364
TUTANKHAMUN: 4317, 4519
TUUTERI L: 3260
TW: 142
TYACK AJ: 4318
TYLEN U: 4319
TYLER FH: 4539
TYLER HR: 2568
TYLER MJ: 3534
TYREY L: 1093, 2235

U

UCHI S: 4320
UCHIDA K: 4321-4322
UCHIKOV P: 91
UCHIMURA H: 2947
UCHIYAMA M: 4323
UDUPA KN: 3937-3938
UEBERBERG H: 3814
UEDA G: 3097
UEDA J: 4
UEMURA-ISHIKAWA Y: 2698
UESAKA I: 2016
UFERMANN K: 4324
UGOLEV AM: 3958
UHER L: 32
UHTHOFF HK: 4325
ULAN RA: 3918
ULICK S: 4326
ULLBERG S: 3962
ULLMANN A: 3759
ULLMANN SL: 4327
ULLRICH KJ: 4328
ULLRICK WC: 298
ULMER WT: 1828-1829
ULRICH C: 1239
ULRICH H: 4636
ULUTIN ON: 4329
UMALI T: 2952
UMBACH W: 2100
UMEGAKI K: 2247
UMEHARA C: 4330
UMEMURA K: 2172
UMEYAMA K: 4331
UMMINGER BL: 4332
UMSAWASDI T: 4333
UNBEHAUN V: 2222, 4334
UNDERWOOD L: 3498
UNGAR A: 195
UNGAR F: 4335
UNGER GF: 4336
UNGER H: 3778, 3791
UNGER J DE B: 4336
UNGER WG: 289
UNGHER J: 4337-4338
UNGLAUB W: 4339
UNTERHARNSCHEIDT FJ: 101
UNZELMAN RF: 4340
UPPINGTON J: 4341
UPTON AR: 4342
UPTON GV: 4343
URANO E: 3870
URBAN E: 4695
URBANIAK SJ: 4344
URBANSKI K: 3374
URBINA C: 1163
URCA I: 14
URETSKY NJ: 3757
URIEL J: 4345
USADEL KH: 3022, 3792, 4346
USUI T: 4347
USZYCKA-KARCZ M: 609
UTESHEVA ZF: 1843
UTHGENANNT H: 2091
UTHNE K: 4348
UTIAN WH: 4349
UTIDA S: 3993
UTIGER RD: 226, 3989-3990
UTTENTHAL LO: 3294
UWASE Y: 2159
UZUNOV P: 4350
UZUNOVA A: 4351

V

VAALA SS: 3919
VACCA LL: 2427-2429
VAERNET K: 4352
VAGUE J: 4353
VAILLE C: 4354
VAINSEL M: 4355
VAISHNAVA H: 4356
VAKIL DV: 4357
VALCKE JC: 466, 1216
VALCURONE G: 614
VAL'DMAN AV: 4358
VALE W: 1497, 3513
VALENCIA MADERA I: 70
VALENZUELA CY: 2989
VALERI CR: 4359
VALERO A: 3991
VALK WL: 841
VALLET B: 4360
VALLON JJ: 3514
VALLOTTON MB: 4101
VALOTAIRE Y: 4361
VALOVICOVA E: 3479
VALTONEN T: 1796
VALUEVA TK: 4362
VAN AS M: 1908
VANAT IM: 4363
VANAT SV: 4363
VANCE K: 3363
VANCE VK: 4364-4365
VANDAELE R: 4366
VAN DEN BERGHE H: 4367
VANDENHENDE J: 1276
VAN DEN SCHRIECK HG: 4368
VANDERHEYDEN JD: 18
VAN DER KEMP JW: 3554
VAN DER MOLEN HJ: 3554
VAN DER SCHUEREN G: 4566
VAN DER WALT JJ: 4369
VAN DE VORST A: 4370
VANDE WIELE RL: 4481
VAN DOORN EJ: 4371
VAN DYK HJ: 4372
VANE JR: 1138
VAN EXTER C: 4245
VAN EYGEN M: 4367
VAN GEMUND JJ: 2901
VANHA-PERTTULA T: 3407, 4373
VAN HARREVELD A: 166
VAN HERLE A: 4643
VAN HERLE AJ: 863
VAN MIEGHEM W: 1572
VAN ORDEN DE: 4374
VAN PETTEN LE: 2558
VAN SCOTT EJ: 4375
VAN WINKLE W JR: 679
VAN WYK J: 3498
VAPAATALO H: 1622
VAPTZAROVA KI: 4376
VARA P: 3837
VARELA MR: 65
VARGA K: 1183
VARGA L: 4377
VARGA M: 4378
VARGAFTIG BB: 4379
VARKARAKIS MJ: 2086, 4380
VARLEY KG: 4381
VARNAVIDES LA: 4479
VARRONE S: 4382
VARTAPETOV BA: 4383
VARTAPETOVA TA: 2818
VASIL'CHUK IUM: 4384
VASIN MV: 3859
VASIUKOVA EA: 4385
VASS L: 2208
VASSAL F DE: 2689

AUTHOR INDEX

VASSAL J: 1906
VASSALLI P: 1266
VASSAR HB: 3992
VASSILEV G: 3886
VAUGHAN ED JR: 514, 4386
VAUZELLE C: 4387
VAZQUEZ AM: 4388
VAZQUEZ E: 70
VEATH ML: 3071
VECSEI P: 1241, 1376, 4389
VEECH RL: 2524
VELASCO ME: 4390
VELAZQUEZ JG: 1640
VENDRELY C: 1004
VENKATESAN R: 4587
VENZMER G: 4391
VERA-ROMAN JM: 4392
VERBA AV: 4393
VERBECK B: 4394
VERBENKO EV: 3552
VERDY M: 1307
VERECZKEY G: 2302
VERES I: 4395
VERGROESEN AJ: 393
VERLIAC F: 4396
VERMA KC: 4397
VERMES I: 3627
VERMEULEN A: 1040-1041, 4398
VERNE J: 4399
VERNEY E: 3687
VERNON-ROBERTS B: 1901, 4400
VERRESEN H: 4367
VERZOSA MS: 148
VESSEY MP: 4401
VESTFRID MA: 982, 3291
VETTER W: 258-259, 3062, 4402-4403
VETULANI J: 3448, 4404-4405
VIALLI DM: 4406
VICHIDO I: 2469
VICK JA: 4407
VICKERS C: 1916
VICKERS CF: 4408
VICKERY VR: 1184
VICTOR SJ: 239
VIDAL NA: 1132
VIGAS M: 3003
VIGNERI R: 3331
VIGNON G: 2330, 4409
VIHKO R: 3611
VILA-PORCILE E: 3108-3109
VILCHEZ-MARTINEZ JA: 774
VILJANEN M: 2281
VILKOVA LA: 4410
VILLAND J: 2109
VILLANUEVA-GASCA A: 3539
VILLEE DB: 4411
VILLELA GG: 4412
VILLENEUVE A: 4413
VILLORIA LOPEZ J: 4414
VINCENT F: 1100
VINCENT MM: 1112
VINCZE I: 2781
VINES FS: 3639
VINKS PA: 35
VINOGRADOVA VL: 4705
VINSON GP: 4415
VIRION A: 3228
VIRUTAMASEN P: 4462
VISCO L: 982
VISCO RJ: 4416
VISEK WJ: 4457
VISESSUWAN S: 2996
VISSER AS: 4417
VISWANATH K: 113
VITAL C: 3541, 4418
VITALI R: 474
VITRY L: 1904
VITTEK J: 52
VITYE B: 2378
VIVANCO F: 3839
VLACHAKIS ND: 882
VLADUTIU O: 3564
VLADYKA LA: 3892
VLAHAKIS G: 1670
VLASENKO SP: 4419
VLASSIS G: 4420
VLIET G VAN: 933
VOEGELIN MR: 3064
VOELKEL EF: 4205, 4421
VOELTER W: 3399, 4422, 4720
VOGEL E: 4423
VOGEL JJ: 4424
VOGEL P: 4425
VOGEL W: 3905
VOGT RF: 3376
VOIGT KD: 256, 2438, 3746, 4066
VOIGT KH: 1123, 2316, 3743
VOINA S: 3498
VOIROL M: 1292
VOISIN GA: 2591
VOJTA M: 3299, 4426
VOLCANI R: 4721
VOLICER L: 4427
VOLK BW: 4428
VOLKOV LA: 4429
VOLLE RL: 4430
VOLLMER CA: 1336
VOLLRATH L: 1158
VOLNOHRADSKY R: 4431
VOLPE R: 1111
VOLPE R: 2927
VON DER MARK K: 4432
VON LAWZEWITSCH I: 4433
VORONIN LL: 4434
VORONKA GSH: 4435
VOROPAEV MM: 4436
VOROSHILOVA SG: 4437
VOSBERG H: 1765
VOSTAL JJ: 4438
VOUROS P: 2784
VOZELJ M: 612
VRABLIKOVA M: 1115-1116
VRBA M: 4439
VRBOVA H: 4006
VRIES A DE: 2817
VUKOVICH K: 3720
VYDELINGUM N: 1232, 4308
VYVODA OS: 4440

W

WACHENDORFER G: 4441
WACHHOLZ DE: 4442
WACHTEL JS: 451
WADA JA: 741-742, 4443
WADA M: 1986
WADA T: 1985
WADA Y: 2687
WADA-OKADA S: 1694
WADDELL WJ: 4444
WADDELL WR: 4445
WADE GN: 4738
WADE H: 4446
WADE-EVANS T: 2935
WADLINGTON WB: 4447
WAGATSUMA T: 1714
WAGNER E: 4448
WAGNER H: 1765, 3589
WAGNER HN JR: 601
WAGNER K: 951, 3734-3735
WAGNER RK: 4449
WAHI RS: 3937-3938
WAHLROOS O: 30
WAHLSTROM RC: 4442
WAHNER HW: 2859
WAIBEL PE: 4668
WAIBL H: 4450
WAIN D: 23
WAITE MA: 4451
WAITES GM: 4452
WAKABAYASHI K: 4321, 4453
WAKADE AR: 4454
WAKASUGI F: 4281
WAKAYAMA Y: 4455
WAKELING AE: 4456-4457
WALDECK B: 4458
WALDMAN AA: 1536
WALKER A: 3522
WALKER AR: 3495
WALKER DG: 2934, 3987
WALKER J: 1362
WALKER JE: 4459
WALKER JL: 3306
WALKER JM: 241
WALKER KE: 1699
WALKER RF: 4460
WALKER RJ: 2346, 3980
WALKER RS: 3994
WALLACE AL: 4461
WALLACE HW: 115
WALLACE JE: 380
WALLACH EE: 4462
WALLACH G: 2550
WALLEN K: 4463
WALLGREN A: 4464
WALLING MW: 1118, 4465-4466
WALLNER HJ: 4467
WALLOSCHEK C: 1547
WALSH CH: 4468
WALSH DA: 4469
WALSH JH: 1824
WALSH RN: 4470
WALTER C: 4471
WALTER D: 8
WALTER R: 969
WALTMAN R: 4472
WALTON JN: 4473
WALTON RJ: 2028
WALTZER I: 1380
WAMPLER RS: 4474
WANG CC: 408, 1379
WANG CM: 4475
WANG DY: 4476
WANG HM: 4194
WANG JH: 4227
WANGENSTEEN SL: 4477
WANNEMACHER RW JR: 4478
WARBURTON D: 2987
WARBURTON FE: 2987
WARD H: 4479
WARD IL: 4480
WARE F: 526
WARM K: 2754
WARMOLTS JR: 1065
WARREN JC: 121, 395
WARREN MP: 4481
WARSAVSKY A: 939
WARSHAW JB: 1606
WARTER JM: 3544
WARTER S: 3544
WARTON CM: 4482
WARWICK RR: 4483
WASCHULZIK G: 2091
WASHINGTON CL: 2558
WASHINGTON S: 4500
WASSEN A: 9
WASSERMAN O: 3824
WASSERMANN GF: 1284
WATANABE H: 1253, 4484-4485
WATANABE S: 3681, 4206, 4486
WATATANI H: 4487
WATERHOUSE C: 2725
WATERS MN: 4188
WATHEN R: 2380-2381
WATSON JD: 1147
WATSON JG: 4488
WATSON JT: 4146
WATTEZ C: 4489
WATTS C: 557
WAWRYK R: 4490
WAYNER MJ: 4491-4492
WEBB DR: 4493
WEBB KE JR: 1186
WEBER A: 4494
WEBER AL: 408
WEBER B: 1589, 3252
WEBER U: 4495
WEBSTER D: 1892
WECHSLER N: 1011
WEDELL E: 4200
WEDGWOOD RJ: 129
WEED JC: 713
WEEDON DD: 4496
WEEKE A: 2317
WEEKS JR: 2583, 4497
WEG JG: 3914
WEGLICKI WB: 4041
WEGNER G: 2437
WEHINGER H: 4498
WEI E: 4499
WEIBECKER L: 3727
WEICK RF: 2003
WEIGHTMAN D: 1544
WEIL MH: 3028
WEILL J: 2312
WEINBERGER MH: 2037
WEINBREN K: 4500
WEINER R: 2689
WEINER WJ: 2103
WEINMAN DF: 4501

AUTHOR INDEX

WEINSHENKER NM: 4502
WEINSTOCK CL: 2193
WEIR BJ: 1809
WEIS AS: 4503
WEIS JS: 4504
WEISBECKER L: 3728, 4505
WEISE HC: 445, 1444, 4506
WEISE VK: 1557
WEISENBERGER H: 3660
WEISER K: 3346
WEISGERBER C: 842
WEISMAN RL: 4507
WEISS B: 4350, 4508
WEISS G: 4509
WEISS M: 4510
WEISS MJ: 305, 1175, 3328
WEISSENBACHER ER: 4511
WEISSMAN IL: 4512
WEISSMANN G: 4742
WEISWEILER P: 2921
WEISZ J: 4513
WEITGASSER H: 4514
WEITZMAN JJ: 3540
WEITZNER S: 4515-4516
WELAJ P: 937
WELCH JP: 2452
WELCH KM: 4517
WELCH MJ: 2767
WELCH RA: 4518
WELDON VV: 1504
WELLER JL: 2104
WELLER M: 4317, 4519-4520
WELLMAN MR: 4521
WELLMANN KF: 4428
WELLS H: 1225
WELLS PW: 1099
WELSCH B: 4522
WELTI H: 4523
WEN CP: 4524
WEN HL: 4525
WENBERG GM: 4526
WENDER P 775
WENDLBERGER F: 1711
WENGER GR: 4527
WENGER ME: 4528
WENGER R: 4529
WENGER TL: 810
WENIG C: 4530
WENNER R: 4377
WENNMALM A: 1959
WENTLING DG: 1525
WENTZ AC: 278, 4531-4533
WENZEL KW: 4534
WEPSIC JG: 3373
WERAKSO B: 4625
WERDER H: 1351
WERDER K VON: 4015
WERF-MESSING B VAN DER 4535
WERGEDAL J: 4051
WERK EE JR 4536
WERMUT W: 2840
WERNER S: 4537
WERNER SC 3597
WERNER W: 4084
WERNITSCH W: 2047
WERRINGLOER J: 1303
WERTHAMER S 4538
WEST CD: 4539
WEST GB 3653
WEST SA: 44
VON WESTARP C: 1111
WESTER PO: 1019
WESTERFELD WW 3617
WESTERGAARD M: 4540
WESTERHAUSEN M 1332
WESTERHOLM B 4541
WESTON WL 4542
WESTPHAL U: 4543
WETTEMANN RP 473
WETTSTEIN D VON 4540
WETTSTEIN R: 3519
WEZEMAN FH 4544
WHANG CW 3568
WHANGER PD 4545
WHEELOCK JV 788
WHITAKER AN: 4546
WHITE A: 2036
WHITE IG 4547
WHITE JJ 3085
WHITEGIVER ER 1241
WHITEHAIR CK: 1833, 3871
WHITEHEAD S: 4548
WHITEHOUSE BJ: 4415
WHITELAW AG: 4549
WHITING FM: 4109
WHITNEY RB: 4550
WHITSETT JM: 3269
WHITTAKER JA: 1095
WHITTLE BJ: 2592
WHORTON E: 389
WHYBREW WD: 2884
WHYLEY GA: 4479
WICKENHAUSER J: 3398
WIDE L: 2521, 4551
WIDHOLM O: 3837, 4552
WIDMANN WD: 4553
WIECHERT R: 1713
WIED GL: 333
WIEDEMANN HR: 4554
WIEDERSCHAIN GY: 4555
WIEGELMANN W: 327, 2115, 4556
WIELAND H: 401
WIELAND O: 4557
WIELAND RG: 4558-4559
WIERCIAK Z: 4560
WIGGAN G: 3865
WIGZELL H: 4561
WIKMAN-COFFELT J: 2678
WIKVALL K: 355
WILBER JA: 4562
WILCOX CJ: 13, 1511
WILCOX CS: 4563
WILCZEK H: 4564
WILDENTHAL K: 4565
WILDIERS J: 4566
WILDMEISTER W: 4567
WILDS JH 697
WILDT L: 2408, 4568
WILK F: 4569
WILKINSON CF: 4669
WILKINSON EJ: 4570
WILKINSON JR: 4615
WILKINSON R: 259
WILKON B: 2560
WILKS JW: 2804, 4571
WILLE G: 2230
WILLEBERG P: 4572
WILLERS JM: 2044
WILLIAMS A: 619
WILLIAMS BA: 1559
WILLIAMS C: 4573
WILLIAMS CM: 481
WILLIAMS DA: 1661
WILLIAMS EO: 1892
WILLIAMS G: 4574
WILLIAMS GH: 552
WILLIAMS KI: 4575
WILLIAMS M: 3443
WILLIAMS ME: 721
WILLIAMS MH JR: 4576
WILLIAMS PB: 4577
WILLIAMS R: 820, 867
WILLIAMS RH: 1914, 2336
WILLIAMS RT: 4605
WILLIAMS S: 2655
WILLIAMSON HO: 2692-2694
WILLIG RP: 383, 4578
WILLIGAN DA: 2558
WILLIS AL: 4579-4580
WILLIS LR: 2130
WILLNOW U: 4581
WILLS MR: 1893
WILMSHURST EG: 1422
WILSON C: 1058
WILSON DE: 1063, 4582
WILSON DT: 3155
WILSON DW: 4583
WILSON G: 2030, 2118
WILSON GR: 4584
WILSON JD: 2865
WILSON MC: 3427
WILSON MJ: 4585-4586
WILSON R: 4587
WILSON RE: 4121
WILSON RS: 2571
WILSON WP: 2982
WILSON WW: 4588
WINAND RJ: 4589
WINCH J: 820
WINCH MA: 1577
WINFIELD C 619
WINFIELD CG: 813
WINGATE MB 4590
WINGET C: 1394
WINIKOFF D 2603
WINKELMANN RK: 4591
WINKELMANN W 1618
WINN WC: 2933
WINOCUR G: 493
WINTER C: 4592
WINTER R: 4593
WINTERTON WR 1899
WIQVIST N 4275
WIRTH FP: 4594
WISE L: 4595
WISE MB: 1186
WISE RA: 128
WISER WL: 2884
WISHART J: 4596
WISNIEWSKI L: 4597
WISNIEWSKI M: 4598
WISSLER JH: 4599
WISWEDEL K: 3204
WITHAM AC: 2801
WITKUM P 3858
WITTLIFF JL: 485, 1295-1296, 1678
WITWICKI T: 4600
WLODARSKI K: 4601
WLODAWER P: 4602
WOCIAL B: 4603
WOEBER KA: 4604
WOJDANI A: 153
WOJTOWICZ M: 3915
WOLD JS: 4605
WOLF H: 4606-4607
WOLF LM: 4608
WOLF R: 1782
WOLF RC: 2152
WOLF RH: 3818
WOLFE J: 4609
WOLFENSTEIN CE: 3679
WOLFF E DE: 3995
WOLFF HP: 1554
WOLFF J: 2867
WOLFF ME: 2009
WOLFF SM: 4610-4612
WOLINSKY H: 4613
WOLLENBERGER A: 2223, 3780
WOLMAN SR: 558
WOLSIEFFER JR. 4614
WONG DT: 4615
WONG PY: 821
WOOD A: 148
WOOD DC: 2389
WOOD DD: 2891
WOOD DW: 4616
WOOD JE: 1416
WOOD MB: 4617
WOODHEAD JS: 1668
WOODHOUSE NJ: 4618
WOODRUFF P: 4619
WOODRUFF RI: 4620
WOODS NF: 1108
WOODS R: 1658
WOODS TF: 535
WOOLNER LB: 2999, 3761
WORMSTRAND A: 3122
WORTMANN W: 4621-4622
WORWOOD M: 1726
WOSKO I: 4623
WOWERN N VON: 4624
WOZNIAK W: 4625
WRANGE O: 356
WRIGHT D: 923
WRIGHT GD: 860
WRIGHT JA: 4626
WRIGHT JW: 4627
WRIGHT KH: 4462
WRIGHT P: 4628
WROBEL J: 4629
WROBEL S: 4630
WROZ M: 3374
WU FC: 4631
WU FM: 2324
WU JT: 4632
WU PH: 4633
WULFERT P: 3776
WULFF K: 2177
WUNDERER H: 4634-4635
WURGLER FE: 533, 4636

WURM A: 2258
WURTMAN RJ: 1797, 2529, 3324, 4421, 4637
WUSTENBERG B: 4638
WUTTKE W: 947, 4639-4640
WUYTACK FC: 2255
WYBORNY LE: 3784
WYKLE RL: 371
WYLER R: 2139
WYNGAARDEN JB: 1721
WYNN CH: 2811
WYNN V: 2677
WYNNE JW: 4641
WYRWICKA W: 4642

X

XHONGA FA: 4643

Y

YABUMOTO E: 4323
YACHI H: 4684
YADLEY RA: 669, 4644-4645
YAGINUMA N: 3144
YAKATA M: 4646
YAKSH TL: 4647
YAKSTA-SAUERLAND BA: 4648
YALOW RS: 3921, 4649
YAMACHI M: 4680
YAMADA K: 1284, 4650
YAMADA S: 4651-4653
YAMADA T: 3119-3120, 3145, 3697-3698
YAMAGUCHI A: 2944
YAMAGUCHI K: 4177
YAMAGUCHI T: 2159, 3647-3648
YAMAGUCHI Y: 3090
YAMAMOTO H: 4671
YAMAMOTO K: 4, 4654, 4661
YAMAMOTO M: 3648, 4655
YAMAMOTO T: 1614, 3084, 4656
YAMAMURA Y: 4271
YAMANAKA K: 1803
YAMASAWA S: 3061
YAMASHINA K: 2699
YAMASHITA K: 1146, 2786, 3878, 4657-4658
YAMAUCHI K: 4659
YAMAZAKI T: 2245
YAMAZATO K: 2072
YANAGIZAWA N: 4660
YANAI R: 4661-4662
YANAIHARA N: 4663
YANASE M: 4664
YANAURA S: 4665
YANG CC: 1767
YANG HF: 4666-4667
YANG HS: 4668
YANG NS: 2377
YANG RS: 4669
YANG SL: 3922
YANG WH: 3650, 4670
YANI R: 2946
YANNONE ME: 3603
YANO I: 4671
YANO Y: 4672
YAOI Y: 3838
YARBROUGH GG: 2303
YARDLEY J: 3513
YASIN R: 4673
YASUDA Y: 4674
YASUMASU I: 2065
YASUSHINA K: 2957
YATA J: 4675
YATVIN MB: 2845
YECKLEY JA: 4542
YERSHOVA A: 1835
YLIKORKALA O: 4676
YLOSTALO P: 1881
YOKOMI Y: 4677
YOKOTA M: 2149-2151
YOKOTA T: 4678
YOKOYAMA M: 4679, 4684
YOKOYAMA T: 2133
YOSHIDA H: 2015
YOSHIDA K: 3648
YOSHIDA M: 1892, 4001
YOSHIDA T: 4680-4682
YOSHIHARA T: 2581
YOSHII T: 1849
YOSHIKAWA M: 1251
YOSHIMURA F: 4683-4684
YOSHIMURA G: 2197
YOSHIMURA M: 2837, 3072, 4685-4686
YOSHIMURA S: 3879, 4687
YOSHINARE S: 3097
YOSHIOKA I: 4688
YOSIZAWA Z: 1061
YOTSUYANAGI T: 4689
YOUNG A: 2572
YOUNG CK: 1671
YOUNG DB: 2535
YOUNG ET: 1091
YOUNG HB: 4690
YOUNG I: 46
YOUNG J: 3368
YOUNG JA: 2444
YOUNG JR: 3932, 4691
YOUNG M: 1672, 1685
YOUNG R: 3348
YOUNG RB: 3851
YOUNG RJ: 3015, 3931
YOUNGLAI EV: 2014, 4692-4693
YOUNGLAI EV: 4694
YOUNOSZAI MK: 4695
YOUSSEFNEJADIAN E: 4696
YU FL: 4697
YU MY: 4698
YU SC: 4699
YUDA Y: 4281
YUKIMURA Y: 3069
YUNIS EJ: 1548
YUSA T: 4700

Z

ZACCARIA M: 149
ZACCONE G: 580
ZACHMANN M: 1160, 4701
ZADOR G: 2441
ZADVORNOVA VP: 3547
ZAFFIRI O: 4702
ZAGER RF: 4703
ZAGORSKI K: 4623
ZAHAVI J: 4704
ZAICHENKO IUM: 2004
ZAIMIS E: 4127
ZAITSEVA NS: 4705
ZAKARIJA M: 4706
ZAKI K: 3996
ZAKUT H: 4707
ZALDIVAR GUERRA A: 2985
ZALIKIN GA: 4708
ZALIN R: 4709
ZAMBONI P: 4710
ZAMELLO J: 4711
ZAMRAZIL V: 4712
ZANARTU J: 4513
ZANDER J: 3609
ZANELLA J JR: 4713
ZANELLI G: 4714
ZANELLI JM: 600, 4715
ZANOTTI L: 4406
ZAPPELLA M: 4716
ZARATE A: 3295, 4717-4718
ZARETSKAIA II: 2349
ZARINS CK: 181
ZARYCKI EP: 167
ZAUMSEIL J: 4288
ZBAR B: 676
ZBROZYNA AW: 738
ZDEBSKA E: 2721
ZEBROWSKI EJ: 4719
ZECH K: 4720
ZELIGER Y: 4721
ZELIS R: 2678
ZELLER FJ: 4722
ZELLER J: 4723
ZELLNER DC: 901
ZEMBRZUSKA E: 4625
ZEMJANIS R: 1350
ZENZEROV VS: 4724
ZEPF S: 4505
ZEUTHEN E: 3020
ZHAROV EI KERTSMAN GI: 4725
ZHENODAROVA SM: 2675, 3808
ZHIKHAREVA AI: 4726
ZHURAVLEV BV: 4116
ZIEGER B: 691, 3079
ZIEGER G: 4727
ZIEGER M: 692
ZIEGLER R: 1244, 1758, 2814, 4738
ZIELKE E: 4728
ZIELSKE F: 1554
ZIETKOWSKA C: 2117
ZIEVE PD: 4221
ZILLMANN R: 964
ZIMMERMAN EF: 93
ZIMMERMANN H: 4556
ZIMMERMANN HB: 930
ZIMMERMANN S: 232
ZINGALES BS: 2748
ZINGG E: 2375
ZINICOLA N: 4714
ZINK HA: 4729
ZIRINIS P: 4379
ZIS AP: 1142
ZITTOUN R: 851, 4730-4731
ZIV G: 4732
ZIVKOVIC B: 4733
ZOELLER JH JR: 3378
ZOGRAFSKI STR: 4734
ZOLOTH SR: 1020
ZONIS S: 2771
ZOR U: 4295, 4735
ZOR'KIN AA: 4736
ZORN EM: 4558-4559
ZOTOV IUA: 2641
ZOUMNOULAKIS D: 4737
ZSCHOCHE E: 3815
ZUBAY G: 3456
ZUCKER I: 4070, 4738
ZUCKER IR: 2093
ZUCKERMAN BM: 4739
ZUMOFF B: 4740
ZUMPE N: 4741
ZURBRUGG RP: 418-419
ZURIER RB: 4742
ZUSMAN RM: 4743-4744
ZVEZDINA ND: 548
ZWAAN A DE: 1723
ZWICKER H: 1311
ZWIETEN PA VAN: 4745
ZYCH L: 3810
ZYCHLINSKI J VON: 3333

☆U.S. GOVERNMENT PRINTING OFFICE: 1974-543-946/4

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here ..., enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here ... enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A–03
BETHESDA, MARYLAND 20014

Individual copies should be purchased from the Superintendent of Documents.

UNIVERSITY OF ILLINOIS-URBANA
3 0112 061406317